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# Vital Statistics

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# United States, 1988

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# LIFE · TABLES



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Volume II, Section 6

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# Section 6. Life Tables

The life table program -----	1
Life table values -----	1
Trends and comparisons-----	2
Technical appendix -----	4
Population bases for computing life tables -----	4
Explanation of the columns of the life table -----	4
References -----	5
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, 1987, and 1988 -----	2
B. 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, and 1987 to 1988 -----	3
C. Differences in life expectancy 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, and 1988 -----	3
D. 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, 1987, and 1988 -----	3
Tables	
6-1. Abridged life tables by race and sex: United States, 1988 -----	6
6-2. Number of survivors at single years of age, out of 100,000 born alive, by race and sex: United States, 1988 -----	10
6-3. Expectation of life at single years of age, by race and sex: United States, 1988-----	11
6-4. Life table values, by race and sex: Death-registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1988-----	12
6-5. Estimated average length of life in years, by race and sex: Death-registration States, 1900-28, and United States, 1929-88 -----	18

# Guide to tables in section 6

	TABLE: 6	-1	-2	-3	-4	-5
	PAGE:	6	10	11	12	18
<b>Years:</b>						
1900-1988 -----						15
1988 only -----	1	2	3			
Specified years and 1988 -----				24		
<b>Type of entry:</b>						
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 ( $\dot{e}_x$ ) -----	1		3	4		
Average length of life ( $\dot{e}_o$ ) -----						5
<b>Characteristics:</b>						
<b>Age by:</b>						
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	

<sup>1</sup>Entire United States for 1929-88; death-registration States for 1900-28.

<sup>2</sup>Entire United States for specified years from 1929 to 1988; 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 1988 assumes a hypothetical cohort subject throughout its lifetime to the age-specific death rates prevailing for the actual population in 1988. The current life table may thus be characterized as rendering a “snapshot” of current mortality experience, and shows the long-range implications of a set of age-specific death rates that prevailed in a given year. In this section the term “life table” refers only to the current life table and not to the generation life table.

## THE LIFE TABLE PROGRAM

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

In response to a growing number of requests for postcensal life table values, a series of abridged life tables was initiated in 1945. Available annually since that year, the abridged life tables are based on deaths occurring during the calendar year

and on midyear postcensal population estimates provided by the U.S. Bureau of the Census. Refinements in both the techniques for estimating the population and the methods for constructing abridged life tables permit these tables to be prepared in a way that provides reasonably accurate data on current trends in expectation of life and survivorship. Beginning with 1945, abridged life tables have been constructed by reference to a standard table (3). Methodology developed by Greville was used in constructing life tables for 1945–52. Since 1953 a modified method has been employed (4). U.S. decennial life tables for the period 1979–81 are used as the standard table in constructing the 1988 abridged life tables.

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

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

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

## LIFE TABLE VALUES

The data used to prepare the abridged U.S. life tables for 1988 are the final mortality statistics and the midyear estimates of the population by age, race, and sex prepared by the U.S. Bureau of the Census. Selected life table values for 1900–1902, 1959–61, 1969–71, 1979–81, 1987, and 1988 are shown in tables A and D.

## TRENDS AND COMPARISONS

*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 1988 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 1988 for the total population was 74.9 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, 79,123 of the original 1988 life table cohort of 100,000 (79.1 percent) were alive at exact age 65 (tables D 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 1988 the median age at death for the total population was 78.6 years (table D).

In 1988, life expectancy in the United States was 74.9 years, 0.1 years below the highest life expectancy recorded in 1987. Among the four race-sex groups (white males and females, black males and females), white females had the highest life expectancy at birth, 78.9 years; followed by black females, 73.4 years; white males, 72.3 years; and black males, 64.9 years (table A). The same order in life expectancy was maintained by each of the four race-sex groups at ages 1, 20, and 65 years.

Between 1987 and 1988, life expectancy increased for only one of the four race-sex groups (table B), namely, white males, by 0.1 years. Life expectancy remained unchanged for white females, and it decreased for black males and females by 0.3 and 0.2 years, respectively, between 1987 and 1988. For these two groups, life expectancy has dropped to the lowest levels since 1981 (table 6-5).

Since the beginning of the century through the mid-1980's, the average number of years added annually to life expectancy was greater than the annual changes observed for each of the years from 1984 through 1988 for each of the race-sex groups (table B). Since 1984, life expectancy increased each year for white males; for white females, it increased for 2

Table A. Expectation of life at selected ages, by race and sex: Death-registration States, 1900–1902, and United States, 1959–61, 1969–71, 1979–81, 1987, and 1988

Life table value, period, and age	Total	White		All other			
		Male	Female	Total		Black	
				Male	Female	Male	Female
Expectation of life							
At birth:							
1988 -----	74.9	72.3	78.9	67.1	75.1	64.9	73.4
1987 -----	75.0	72.2	78.9	67.3	75.2	65.2	73.6
1979–81 -----	73.88	70.82	78.22	65.63	74.00	64.10	72.88
1969–71 -----	70.75	67.94	75.49	60.98	69.05	60.00	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:							
1988 -----	74.7	72.0	78.5	67.3	75.1	65.2	73.6
1987 -----	74.7	71.9	78.5	67.4	75.3	65.5	73.8
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:							
1988 -----	56.3	53.6	59.9	49.1	56.7	47.0	55.1
1987 -----	56.3	53.6	59.9	49.2	56.7	47.3	55.3
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:							
1988 -----	16.9	14.9	18.7	14.3	17.8	13.4	16.9
1987 -----	16.9	14.9	18.8	14.3	17.8	13.5	17.1
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

SECTION 6 — LIFE TABLES— PAGE 3

**Table B. 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, and 1987 to 1988**

Period	White		Black	
	Male	Female	Male	Female
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	-0.1	-
1984 to 1985 -----	+0.1	-	-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 C. Differences in life expectancy 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, and 1988**

Period	Female-Male		White-Black	
	White	Black	Male	Female
1988 -----	6.6	8.5	7.4	5.5
1987 -----	6.7	8.4	7.0	5.3
1986 -----	6.8	8.3	6.8	5.3
1985 -----	6.8	8.2	6.6	5.2
1984 -----	6.9	8.1	6.2	5.0
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

of the 4 years; for black females, for only 1 of the 4 years; and for black males, life expectancy decreased for 3 of the 4 years, and remained unchanged for 1 year.

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 C). For the white population the difference between males and females increased from 2.9 years in 1900-1902 to 7.6 years in 1969-71; the difference narrowed to 6.8 years in 1985, 6.7 years in 1987, and 6.6 years in 1988. For the black population, the difference increased from 2.5 years in 1900-1902 to 8.8 in 1979-81; narrowed to 8.1 years in 1984 and has steadily increased to 8.5 years in 1988.

Life expectancy differences between the races have generally narrowed since the beginning of the century (table C), though they began widening in 1985. In 1984, white males had a life expectancy that was 6.2 years greater than that of black males, compared with a difference of 7.4 years in 1988. For women the race difference in life expectancy increased from 5.0 years in 1984 to 5.5 years in 1988 (table C).

In 1988, among the four race-sex groups, the percent surviving from birth to age 65 years for white females was 85.9; white males, 75.4; black females, 74.9; and black males, 57.9. Median age at death in 1988 for white females was 82.3 years; black females, 77.4; white males, 75.8; and black males, 68.8 (table D).

**Table D. 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, 1987, and 1988**

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:							
1988 -----	99.0	99.0	99.3	98.4	98.6	98.1	98.4
1987 -----	99.0	99.0	99.2	98.3	98.6	98.0	98.4
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:							
1988 -----	98.1	98.0	98.7	97.0	97.8	96.5	97.6
1987 -----	98.1	98.0	98.7	97.0	97.9	96.6	97.6
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:							
1988 -----	79.1	75.4	85.9	62.6	77.8	57.9	74.9
1987 -----	79.0	75.1	85.9	62.9	77.9	58.4	75.1
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:							
1988 -----	78.6	75.8	82.3	71.0	79.1	68.8	77.4
1987 -----	78.6	75.6	82.3	71.1	79.1	68.9	77.5
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



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, 1961–82*—Life table values for 1961–69 and 1971–79 are based on revised intercensal estimates of the populations for those years and were constructed using the U.S. decennial life tables for 1959–61 and 1969–71, respectively, as the standard tables. Life table values for 1970–73 have also been revised using the 1969–71 decennial life tables as the standard tables. Previously published abridged life tables for 1970–73 were constructed using the 1959–61 decennial life tables as the standard tables because the 1969–71 decennial life tables were not yet available.

The 1979–81 decennial life tables were used as the standard life tables for the 1983–88 life tables as well as for revised life table values for 1980–82 shown in this section.

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

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

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

Years	Race and Sex
1900–45	Total
1900–47	Male
1900–47	Female
1900–50	White
1900–44	White male

Years	Race and Sex
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 1988 life table values are estimated as of July 1, 1988, and are based on the 1980 census levels (6). The 1980 census counts by race were modified to be consistent with Office of Management and Budget categories and historical categories for death data. For a detailed discussion of modification procedures, see U.S. Bureau of the Census (7).

Population estimates used to compute death rates for 1984–88 incorporate new estimation procedures for net migration and net undocumented immigration. Death rates for 1988 are comparable with those for 1984–87 but are not strictly comparable with those for previous years. For additional details, see the Technical Appendix in *Vital Statistics of the United States, 1984* (Vol. II, Mortality, Part A), and U.S. Bureau of the Census (8).

EXPLANATION OF THE COLUMNS OF THE LIFE TABLE

*Column 1—Age interval ( $x$  to  $x+n$ )*—The age interval shown in column 1 is the interval between the two exact ages indicated. For instance, “20–25 years” 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 0.0087: Of every 1,000 males alive and exactly 20 years of age at the beginning of the period, about 9 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 of 100,000 male babies born alive, 98,896 will complete the first year of life and enter the second; 98,676 will

begin the sixth year; 97,758 will reach age 20 years; and 20,638 will live to age 85 years.

*Column 4—Number dying ( $d_x$ )*—This column shows the number dying in each successive age interval out of 100,000 live births. Of 100,000 males born alive, 1,104 will die in the first year of life, 220 in the succeeding 4 years, 854 in the 5-year period between exact ages 20 and 25 years, and 20,638 after reaching age 85 years. Each figure in column 4 is the difference between two successive figures in column 3.

*Columns 5 and 6—Stationary population ( $L_x$  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 486,701. This means that in a stationary population of males supported by 100,000 annual births and with the proportions dying in each age group always in accordance with column 2, a census taken on any date would show 486,701 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 above illustration, column 6 shows that there would be at any given moment a total of 5,180,208 males 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 7,150,218.

*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 486,701 for males in the age interval 20–25 years is the total number of years lived between the 20th and 25th birthdays by the 97,758 (column 3) who reached the 20th birthday out of 100,000 males born alive. The corresponding figure 5,180,208 in column 6 is the total number of years lived after attaining age 20 by the 97,758 reaching that age. This number of years divided by the number of persons (5,180,208 divided by 97,758) gives 53.0 years as the average remaining lifetime of males at age 20.

## SYMBOLS

Data not available	-----	----
Category not applicable	-----	...
Quantity zero	-----	-
Quantity more than zero but less than 0.05	-----	0.0
Quantity more than zero but less than 500 where numbers are rounded to thousands	-----	Z
Figure does not meet standards of reliability or precision	-----	*

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SECTION 6 - LIFE TABLES - PAGE 6

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1988

Age interval  Period of life between two exact ages stated in years, race, and sex  (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval  (2)	Number living at beginning of age interval  (3)	Number dying during age interval  (4)	In the age interval  (5)	In this and all subsequent age intervals  (6)	Average number of years of life remaining at beginning of age interval  (7)
$x$ to $x + n$	$nq_x$	$l_x$	$n^d_x$	$nL_x$	$T_x$	$e_x$
<b>ALL RACES</b>						
0-1 .....	0.0100	100,000	999	99,147	7,494,642	74.9
1-5 .....	.0020	99,001	198	395,540	7,395,495	74.7
5-10 .....	.0012	98,803	120	493,688	6,999,955	70.8
10-15 .....	.0014	98,683	134	493,155	6,506,267	65.9
15-20 .....	.0044	98,549	431	491,767	6,013,112	61.0
20-25 .....	.0058	98,118	565	489,206	5,521,345	56.3
25-30 .....	.0061	97,553	596	486,274	5,032,139	51.6
30-35 .....	.0074	96,957	717	483,035	4,545,865	46.9
35-40 .....	.0096	96,240	924	479,021	4,062,830	42.2
40-45 .....	.0126	95,316	1,204	473,785	3,583,809	37.6
45-50 .....	.0189	94,112	1,777	466,443	3,110,024	33.0
50-55 .....	.0300	92,335	2,766	455,194	2,643,581	28.6
55-60 .....	.0473	89,569	4,238	437,859	2,188,387	24.4
60-65 .....	.0728	85,331	6,208	411,976	1,750,528	20.5
65-70 .....	.1055	79,123	8,344	375,656	1,338,552	16.9
70-75 .....	.1568	70,779	11,096	327,120	962,896	13.6
75-80 .....	.2288	59,683	13,654	265,113	635,776	10.7
80-85 .....	.3445	46,029	15,858	190,715	370,663	8.1
85 and over .....	1.0000	30,171	30,171	179,948	179,948	6.0
<b>MALE</b>						
0-1 .....	.0110	100,000	1,104	99,055	7,150,218	71.5
1-5 .....	.0022	98,896	220	395,074	7,051,163	71.3
5-10 .....	.0014	98,676	138	493,003	6,656,089	67.5
10-15 .....	.0017	98,538	165	492,389	6,163,086	62.5
15-20 .....	.0062	98,373	615	490,489	5,670,697	57.6
20-25 .....	.0087	97,758	854	486,701	5,180,208	53.0
25-30 .....	.0089	96,904	865	482,334	4,693,507	48.4
30-35 .....	.0107	96,039	1,024	477,665	4,211,173	43.8
35-40 .....	.0134	95,015	1,276	472,046	3,733,508	39.3
40-45 .....	.0170	93,739	1,592	464,990	3,261,462	34.8
45-50 .....	.0245	92,147	2,261	455,503	2,796,472	30.3
50-55 .....	.0385	89,886	3,457	441,337	2,340,969	26.0
55-60 .....	.0610	86,429	5,273	419,704	1,899,632	22.0
60-65 .....	.0941	81,156	7,639	387,669	1,479,928	18.2
65-70 .....	.1360	73,517	9,996	343,533	1,092,259	14.9
70-75 .....	.2022	63,521	12,842	286,233	748,726	11.8
75-80 .....	.2931	50,679	14,852	216,396	462,493	9.1
80-85 .....	.4239	35,827	15,189	140,288	246,097	6.9
85 and over .....	1.0000	20,638	20,638	105,809	105,809	5.1
<b>FEMALE</b>						
0-1 .....	.0089	100,000	890	99,243	7,831,495	78.3
1-5 .....	.0018	99,110	175	396,021	7,732,252	78.0
5-10 .....	.0010	98,935	101	494,400	7,336,231	74.2
10-15 .....	.0010	98,834	100	493,954	6,841,831	69.2
15-20 .....	.0024	98,734	240	493,108	6,347,877	64.3
20-25 .....	.0028	98,494	272	491,802	5,854,769	59.4
25-30 .....	.0033	98,222	321	490,324	5,362,967	54.6
30-35 .....	.0041	97,901	405	488,539	4,872,643	49.8
35-40 .....	.0058	97,496	567	486,163	4,384,104	45.0
40-45 .....	.0084	96,929	817	482,754	3,897,941	40.2
45-50 .....	.0135	96,112	1,293	477,562	3,415,187	35.5
50-55 .....	.0219	94,819	2,077	469,225	2,937,625	31.0
55-60 .....	.0347	92,742	3,217	456,141	2,468,400	26.6
60-65 .....	.0537	89,525	4,810	436,300	2,012,259	22.5
65-70 .....	.0793	84,715	6,716	407,664	1,575,959	18.6
70-75 .....	.1210	77,999	9,435	367,619	1,168,295	15.0
75-80 .....	.1843	68,564	12,640	312,711	800,676	11.7
80-85 .....	.2981	55,924	16,671	239,106	487,965	8.7
85 and over .....	1.0000	39,253	39,253	248,859	248,859	6.3

SECTION 6 - LIFE TABLES - PAGE 7

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1988—Con.

Age interval  Period of life between two exact ages stated in years, race, and sex  (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval  (2)	Number living at beginning of age interval  (3)	Number dying during age interval  (4)	In the age interval  (5)	In this and all subsequent age intervals  (6)	Average number of years of life remaining at beginning of age interval  (7)
$x$ to $x+n$	$nq_x$	$l_x$	$n^d_x$	$nL_x$	$T_x$	$e_x$
<b>WHITE</b>						
0-1 .....	0.0085	100,000	854	99,272	7,563,071	75.6
1-5 .....	.0018	99,146	179	396,165	7,463,799	75.3
5-10 .....	.0011	98,967	109	494,539	7,067,634	71.4
10-15 .....	.0013	98,858	126	494,050	6,573,095	66.5
15-20 .....	.0042	98,732	417	492,711	6,079,045	61.6
20-25 .....	.0052	98,315	512	490,311	5,586,334	56.8
25-30 .....	.0053	97,803	520	487,701	5,096,023	52.1
30-35 .....	.0063	97,283	611	484,921	4,608,322	47.4
35-40 .....	.0080	96,672	776	481,532	4,123,401	42.7
40-45 .....	.0110	95,896	1,055	477,037	3,641,869	38.0
45-50 .....	.0168	94,841	1,594	470,532	3,164,832	33.4
50-55 .....	.0273	93,247	2,550	460,286	2,694,300	28.9
55-60 .....	.0445	90,697	4,038	444,006	2,234,014	24.6
60-65 .....	.0695	86,659	6,020	419,106	1,790,008	20.7
65-70 .....	.1023	80,639	8,249	383,518	1,370,902	17.0
70-75 .....	.1543	72,390	11,168	335,059	987,384	13.6
75-80 .....	.2268	61,222	13,887	272,316	652,325	10.7
80-85 .....	.3427	47,335	16,224	196,381	280,009	8.0
85 and over .....	1.0000	31,111	31,111	183,628	183,628	5.9
<b>WHITE, MALE</b>						
0-1 .....	.0095	100,000	955	99,186	7,227,803	72.3
1-5 .....	.0020	99,045	199	395,720	7,128,617	72.0
5-10 .....	.0013	98,846	126	493,886	6,732,897	68.1
10-15 .....	.0016	98,720	159	493,316	6,239,011	63.2
15-20 .....	.0060	98,561	587	491,485	5,745,695	58.3
20-25 .....	.0079	97,974	773	487,963	5,254,210	53.6
25-30 .....	.0078	97,201	758	484,073	4,766,247	49.0
30-35 .....	.0091	96,443	877	480,044	4,282,174	44.4
35-40 .....	.0112	95,566	1,074	475,283	3,802,130	39.8
40-45 .....	.0147	94,492	1,393	469,233	3,326,847	35.2
45-50 .....	.0217	93,099	2,020	460,850	2,857,614	30.7
50-55 .....	.0350	91,079	3,186	447,972	2,396,764	26.3
55-60 .....	.0575	87,893	5,058	427,585	1,948,792	22.2
60-65 .....	.0903	82,835	7,480	396,506	1,521,207	18.4
65-70 .....	.1324	75,355	9,974	352,848	1,124,701	14.9
70-75 .....	.1998	65,381	13,065	295,057	771,853	11.8
75-80 .....	.2917	52,316	15,259	223,619	476,796	9.1
80-85 .....	.4232	37,057	15,682	145,175	253,177	6.8
85 and over .....	1.0000	21,375	21,375	108,002	108,002	5.1
<b>WHITE, FEMALE</b>						
0-1 .....	.0075	100,000	747	99,363	7,890,715	78.9
1-5 .....	.0016	99,253	158	396,632	7,791,352	78.5
5-10 .....	.0009	99,095	92	495,226	7,394,720	74.6
10-15 .....	.0009	99,003	91	494,822	6,899,484	69.7
15-20 .....	.0024	98,912	239	494,000	6,404,672	64.8
20-25 .....	.0025	98,673	246	492,755	5,910,672	59.9
25-30 .....	.0028	98,427	272	491,466	5,417,917	55.0
30-35 .....	.0034	98,155	334	489,978	4,926,451	50.2
35-40 .....	.0048	97,821	470	488,011	4,436,473	45.4
40-45 .....	.0073	97,351	712	485,110	3,948,462	40.6
45-50 .....	.0120	96,639	1,163	480,509	3,463,352	35.8
50-55 .....	.0200	95,476	1,906	472,928	2,982,843	31.2
55-60 .....	.0323	93,570	3,027	460,750	2,509,915	26.8
60-65 .....	.0507	90,543	4,594	441,931	2,049,165	22.6
65-70 .....	.0763	85,949	6,559	414,254	1,607,234	18.7
70-75 .....	.1182	79,390	9,385	374,756	1,192,980	15.0
75-80 .....	.1820	70,005	12,742	319,782	818,224	11.7
80-85 .....	.2960	57,263	16,949	245,202	498,442	8.7
85 and over .....	1.0000	40,314	40,314	253,240	253,240	6.3

SECTION 6 - LIFE TABLES - PAGE 8

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1988—Con.

Age interval  Period of life between two exact ages stated in years, race, and sex  (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval  (2)	Number living at beginning of age interval  (3)	Number dying during age interval  (4)	In the age interval  (5)	In this and all subsequent age intervals  (6)	Average number of years of life remaining at beginning of age interval  (7)
$x$ to $x + n$	$nq_x$	$l_x$	$n^d_x$	$nL_x$	$T_x$	$e_x$
<b>ALL OTHER</b>						
0-1 .....	0.0152	100,000	1,517	98,703	7,118,710	71.2
1-5 .....	.0028	98,483	273	393,292	7,020,007	71.3
5-10 .....	.0017	98,210	163	490,599	6,626,715	67.5
10-15 .....	.0017	98,047	164	489,892	6,136,116	62.6
15-20 .....	.0050	97,883	490	488,326	5,646,224	57.7
20-25 .....	.0083	97,393	812	485,050	5,157,898	53.0
25-30 .....	.0102	96,581	981	480,523	4,672,848	48.4
30-35 .....	.0134	95,600	1,278	474,915	4,192,325	43.9
35-40 .....	.0183	94,322	1,725	467,532	3,717,410	39.4
40-45 .....	.0230	92,597	2,133	457,975	3,249,878	35.1
45-50 .....	.0318	90,464	2,881	445,555	2,791,903	30.9
50-55 .....	.0462	87,583	4,045	428,311	2,346,348	26.8
55-60 .....	.0660	83,538	5,515	404,468	1,918,037	23.0
60-65 .....	.0974	78,023	7,596	371,756	1,513,569	19.4
65-70 .....	.1306	70,427	9,194	329,715	1,141,813	16.2
70-75 .....	.1783	61,233	10,919	279,385	812,098	13.3
75-80 .....	.2462	50,314	12,390	220,743	532,713	10.6
80-85 .....	.3634	37,924	13,781	154,917	311,970	8.2
85 and over .....	1.0000	24,143	24,143	157,053	157,053	6.5
<b>ALL OTHER, MALE</b>						
0-1 .....	.0164	100,000	1,635	98,591	6,714,484	67.1
1-5 .....	.0031	98,365	301	392,764	6,615,893	67.3
5-10 .....	.0019	98,064	189	489,799	6,223,129	63.5
10-15 .....	.0020	97,875	191	488,993	5,733,330	58.6
15-20 .....	.0075	97,684	733	486,815	5,244,337	53.7
20-25 .....	.0128	96,951	1,246	481,829	4,757,522	49.1
25-30 .....	.0150	95,705	1,435	475,027	4,275,693	44.7
30-35 .....	.0195	94,270	1,840	466,873	3,800,666	40.3
35-40 .....	.0266	92,430	2,460	456,280	3,333,793	36.1
40-45 .....	.0324	89,970	2,919	442,958	2,877,513	32.0
45-50 .....	.0437	87,051	3,805	426,302	2,434,555	28.0
50-55 .....	.0617	83,246	5,132	403,998	2,008,253	24.1
55-60 .....	.0856	78,114	6,685	374,423	1,604,255	20.5
60-65 .....	.1239	71,429	8,849	335,609	1,229,832	17.2
65-70 .....	.1655	62,580	10,355	287,368	894,223	14.3
70-75 .....	.2234	52,225	11,666	232,107	606,855	11.6
75-80 .....	.3042	40,559	12,338	171,663	374,748	9.2
80-85 .....	.4315	28,221	12,178	109,922	203,085	7.2
85 and over .....	1.0000	16,043	16,043	93,163	93,163	5.8
<b>ALL OTHER, FEMALE</b>						
0-1 .....	.0139	100,000	1,395	98,619	7,507,913	75.1
1-5 .....	.0025	98,605	245	393,835	7,409,094	75.1
5-10 .....	.0014	98,360	136	491,424	7,015,259	71.3
10-15 .....	.0014	98,224	136	490,814	6,523,835	66.4
15-20 .....	.0024	98,088	240	489,889	6,033,021	61.5
20-25 .....	.0040	97,848	391	488,317	5,543,132	56.7
25-30 .....	.0057	97,457	556	485,954	5,054,815	51.9
30-35 .....	.0078	96,901	753	482,719	4,568,861	47.1
35-40 .....	.0111	96,148	1,065	478,262	4,086,142	42.5
40-45 .....	.0150	95,083	1,429	472,086	3,607,880	37.9
45-50 .....	.0218	93,654	2,040	463,498	3,135,794	33.5
50-55 .....	.0332	91,614	3,042	450,872	2,672,296	29.2
55-60 .....	.0496	88,572	4,392	432,418	2,221,424	25.1
60-65 .....	.0753	84,180	6,340	405,716	1,789,006	21.3
65-70 .....	.1022	77,840	7,956	370,034	1,383,290	17.8
70-75 .....	.1444	69,884	10,090	325,044	1,013,256	14.5
75-80 .....	.2058	59,794	12,307	268,777	688,212	11.5
80-85 .....	.3223	47,487	15,306	199,434	419,435	8.8
85 and over .....	1.0000	32,181	32,181	220,001	220,001	6.8

SECTION 6 - LIFE TABLES - PAGE 9

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1988—Con.

Age interval  Period of life between two exact ages stated in years, race, and sex  (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval  (2)	Number living at beginning of age interval  (3)	Number dying during age interval  (4)	In the age interval  (5)	In this and all subsequent age intervals  (6)	Average number of years of life remaining at beginning of age interval  (7)
$x$ to $x + n$	$nq_x$	$l_x$	$n^d_x$	$nL_x$	$T_x$	$e_x$
<b>BLACK</b>						
0-1 .....	0.0177	100,000	1,775	98,470	6,921,562	69.2
1-5 .....	.0031	98,225	303	392,189	6,823,092	69.5
5-10 .....	.0018	97,922	176	489,122	6,430,903	65.7
10-15 .....	.0018	97,746	177	488,354	5,941,781	60.8
15-20 .....	.0054	97,569	523	486,687	5,453,427	55.9
20-25 .....	.0092	97,046	893	483,140	4,966,740	51.2
25-30 .....	.0117	96,153	1,122	478,061	4,483,600	46.6
30-35 .....	.0159	95,031	1,515	471,510	4,005,539	42.1
35-40 .....	.0222	93,516	2,079	462,860	3,534,029	37.8
40-45 .....	.0282	91,437	2,582	451,111	3,071,169	33.6
45-50 .....	.0378	88,855	3,359	436,367	2,620,058	29.5
50-55 .....	.0537	85,496	4,587	416,556	2,183,691	25.5
55-60 .....	.0753	80,909	6,090	389,898	1,767,135	21.8
60-65 .....	.1100	74,819	8,229	354,124	1,377,237	18.4
65-70 .....	.1459	66,590	9,716	309,181	1,023,113	15.4
70-75 .....	.1972	56,874	11,218	256,761	713,932	12.6
75-80 .....	.2705	45,656	12,350	197,435	457,171	10.0
80-85 .....	.3947	33,306	13,146	133,282	259,736	7.8
85 and over .....	1.0000	20,160	20,160	126,454	126,454	6.3
<b>BLACK, MALE</b>						
0-1 .....	.0192	100,000	1,919	98,339	6,480,983	64.9
1-5 .....	.0035	98,081	339	391,539	6,392,644	65.2
5-10 .....	.0021	97,742	205	488,142	6,001,105	61.4
10-15 .....	.0021	97,537	204	487,268	5,512,963	56.5
15-20 .....	.0082	97,333	799	484,921	5,025,695	51.6
20-25 .....	.0143	96,534	1,384	479,443	4,540,774	47.0
25-30 .....	.0174	95,150	1,651	471,753	4,061,331	42.7
30-35 .....	.0236	93,499	2,206	462,149	3,589,578	38.4
35-40 .....	.0328	91,293	2,996	449,305	3,127,429	34.3
40-45 .....	.0402	88,297	3,552	433,076	2,678,124	30.3
45-50 .....	.0529	84,745	4,485	413,121	2,245,048	26.5
50-55 .....	.0728	80,260	5,839	387,329	1,831,927	22.8
55-60 .....	.0967	74,421	7,198	354,657	1,444,598	19.4
60-65 .....	.1386	67,223	9,318	313,332	1,089,941	16.2
65-70 .....	.1844	57,905	10,675	263,112	776,609	13.4
70-75 .....	.2474	47,230	11,683	206,956	513,497	10.9
75-80 .....	.3369	35,547	11,975	147,324	306,541	8.6
80-85 .....	.4657	23,572	10,978	89,562	159,217	6.8
85 and over .....	1.0000	12,594	12,594	69,655	69,655	5.5
<b>BLACK, FEMALE</b>						
0-1 .....	.0163	100,000	1,626	98,605	7,338,608	73.4
1-5 .....	.0027	98,374	266	392,857	7,240,003	73.6
5-10 .....	.0015	98,108	146	490,132	6,847,146	69.8
10-15 .....	.0015	97,962	147	489,476	6,357,014	64.9
15-20 .....	.0025	97,815	242	488,524	5,867,538	60.0
20-25 .....	.0044	97,573	431	486,855	5,379,014	55.1
25-30 .....	.0065	97,142	632	484,207	4,892,159	50.4
30-35 .....	.0091	96,510	882	480,463	4,407,952	45.7
35-40 .....	.0132	95,628	1,265	475,190	3,927,489	41.1
40-45 .....	.0192	94,393	1,717	467,813	3,452,299	36.6
45-50 .....	.0253	92,646	2,342	457,745	2,984,486	32.2
50-55 .....	.0380	90,304	3,429	443,392	2,526,741	28.0
55-60 .....	.0570	86,875	4,949	422,580	2,083,349	24.0
60-65 .....	.0858	81,926	7,026	392,735	1,660,769	20.3
65-70 .....	.1151	74,900	8,619	353,680	1,268,034	16.9
70-75 .....	.1602	66,281	10,617	305,678	914,354	13.8
75-80 .....	.2260	55,664	12,581	247,371	608,676	10.9
80-85 .....	.3522	43,083	15,174	177,604	361,905	8.4
85 and over .....	1.0000	27,909	27,909	183,701	183,701	6.6

SECTION 6 - LIFE TABLES - PAGE 10

Table 6-2. Number of Survivors at Single Years of Age, Out of 100,000 Born Alive, by Race and Sex: United States, 1988

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	99,001	98,896	99,110	99,146	99,045	99,253	98,483	98,365	98,605	98,225	98,081	98,374
2	98,331	98,817	99,050	99,082	98,972	99,198	98,391	98,263	98,524	98,123	97,966	98,287
3	98,378	98,758	99,003	99,034	98,919	99,156	98,318	98,183	98,458	98,042	97,876	98,215
4	98,837	98,713	98,966	98,997	98,879	99,122	98,259	98,118	98,404	97,976	97,803	98,156
5	98,803	98,676	98,935	98,967	98,846	99,095	98,210	98,064	98,360	97,922	97,742	98,108
6	98,774	98,643	98,909	98,941	98,817	99,072	98,168	98,016	98,324	97,876	97,689	98,069
7	98,747	98,612	98,887	98,917	98,789	99,051	98,132	97,973	98,294	97,837	97,642	98,037
8	98,723	98,584	98,867	98,895	98,763	99,033	98,100	97,935	98,269	97,803	97,601	98,010
9	98,702	98,559	98,850	98,875	98,740	99,017	98,072	97,902	98,246	97,773	97,566	97,986
10	98,683	98,538	98,834	98,858	98,720	99,003	98,047	97,875	98,224	97,746	97,537	97,962
11	98,666	98,520	98,819	98,843	98,703	98,990	98,024	97,852	98,202	97,722	97,513	97,937
12	98,649	98,502	98,804	98,828	98,685	98,977	98,001	97,830	98,176	97,697	97,490	97,910
13	98,627	98,476	98,786	98,808	98,661	98,962	97,973	97,800	98,151	97,666	97,459	97,881
14	98,595	98,435	98,763	98,777	98,621	98,941	97,935	97,754	98,121	97,625	97,409	97,849
15	98,549	98,373	98,734	98,732	98,561	98,912	97,883	97,684	98,088	97,569	97,333	97,815
16	98,487	98,287	98,696	98,671	98,477	98,875	97,815	97,587	98,050	97,497	97,228	97,777
17	98,409	98,178	98,651	98,595	98,372	98,829	97,732	97,464	98,008	97,408	97,095	97,735
18	98,319	98,050	98,600	98,507	98,249	98,778	97,633	97,316	97,960	97,303	96,934	97,688
19	98,221	97,909	98,547	98,412	98,115	98,725	97,520	97,144	97,907	97,182	96,746	97,634
20	98,118	97,758	98,494	98,315	97,974	98,673	97,393	96,951	97,848	97,046	96,534	97,573
21	98,011	97,598	98,441	98,216	97,827	98,623	97,253	96,734	97,783	96,894	96,296	97,503
22	97,900	97,428	98,388	98,114	97,673	98,574	97,098	96,495	97,711	96,725	96,032	97,425
23	97,785	97,255	98,334	98,011	97,515	98,526	96,932	96,239	97,633	96,543	95,748	97,338
24	97,669	97,079	98,279	97,907	97,357	98,477	96,759	95,974	97,548	96,351	95,452	97,244
25	97,553	96,904	98,222	97,803	97,201	98,427	96,581	95,705	97,457	96,153	95,150	97,142
26	97,437	96,732	98,163	97,700	97,049	98,376	96,399	95,434	97,359	95,949	94,843	97,033
27	97,321	96,563	98,101	97,598	96,900	98,323	96,212	95,159	97,255	95,737	94,530	96,915
28	97,204	96,393	98,037	97,496	96,751	98,269	96,018	94,876	97,144	95,515	94,205	96,789
29	97,083	96,219	97,970	97,391	96,600	98,213	95,815	94,581	97,026	95,281	93,863	96,654
30	96,957	96,039	97,901	97,283	96,443	98,155	95,600	94,270	96,901	95,031	93,499	96,510
31	96,826	95,851	97,829	97,171	96,280	98,095	95,373	93,942	96,769	94,765	93,112	96,357
32	96,690	95,655	97,753	97,054	96,111	98,032	95,134	93,598	96,629	94,483	92,701	96,194
33	96,547	95,451	97,673	96,932	95,936	97,966	94,881	93,233	96,480	94,183	92,264	96,019
34	96,397	95,238	97,587	96,805	95,754	97,896	94,611	92,845	96,320	93,861	91,796	95,831
35	96,240	95,015	97,496	96,672	95,566	97,821	94,322	92,430	96,148	93,516	91,293	95,628
36	96,074	94,781	97,398	96,533	95,370	97,741	94,013	91,985	95,962	93,145	90,753	95,408
37	95,898	94,536	97,292	96,386	95,165	97,654	93,683	91,511	95,762	92,749	90,177	95,172
38	95,712	94,280	97,179	96,231	94,950	97,561	93,335	91,013	95,548	92,300	89,571	94,918
39	95,518	94,014	97,058	96,068	94,726	97,460	92,972	90,498	95,322	91,892	88,942	94,649
40	95,316	93,739	96,929	95,896	94,492	97,351	92,597	89,970	95,083	91,437	88,297	94,363
41	95,104	93,453	96,791	95,714	94,246	97,233	92,209	89,430	94,832	90,965	87,636	94,059
42	94,880	93,154	96,642	95,519	93,986	97,105	91,806	88,673	94,565	90,474	86,955	93,736
43	94,642	92,839	96,481	95,310	93,710	96,964	91,384	88,295	94,281	89,961	86,251	93,393
44	94,387	92,505	96,305	95,085	93,415	96,809	90,938	87,690	93,978	89,422	85,516	93,030
45	94,112	92,147	96,112	94,841	93,039	96,639	90,464	87,051	93,654	88,855	84,745	92,646
46	93,814	91,763	95,900	94,576	92,759	96,451	89,960	86,375	93,306	88,258	83,387	92,239
47	93,491	91,349	95,668	94,288	92,391	96,243	89,424	85,661	92,932	87,629	83,080	91,806
48	93,139	90,901	95,412	93,973	91,992	96,013	88,852	84,905	92,526	86,962	82,199	91,343
49	92,755	90,415	95,130	93,627	91,556	95,758	88,240	84,101	92,090	86,253	81,257	90,844
50	92,335	89,886	94,819	93,247	91,079	95,476	87,583	83,246	91,614	85,496	80,260	90,304
51	91,875	89,309	94,477	92,829	90,556	95,165	86,877	82,335	91,097	84,687	79,204	89,719
52	91,373	88,681	94,101	92,370	89,983	94,822	86,120	81,365	90,536	83,823	78,087	89,086
53	90,824	87,995	93,688	91,865	89,353	94,444	85,311	80,337	89,929	82,905	76,913	88,403
54	90,224	87,246	93,236	91,309	88,659	94,028	84,451	79,253	89,275	81,934	75,690	87,667
55	89,569	86,429	92,742	90,697	87,893	93,570	83,538	78,114	88,572	80,909	74,421	86,875
56	88,856	85,540	92,204	90,025	87,052	93,068	82,572	76,920	87,820	79,831	73,110	86,026
57	88,081	84,575	91,618	89,290	86,132	92,518	81,548	75,667	87,015	78,696	71,751	85,116
58	87,239	83,527	90,979	88,488	85,126	91,917	80,457	74,343	86,147	77,491	70,329	84,137
59	86,324	82,389	90,283	87,612	84,029	91,260	79,285	72,934	85,205	76,202	68,924	83,076
60	85,331	81,156	89,525	86,659	82,835	90,543	78,023	71,429	84,180	74,819	67,223	81,926
61	84,255	79,822	88,701	85,623	81,539	89,761	76,666	69,625	83,068	73,387	65,521	80,681
62	83,094	78,387	87,808	84,502	80,139	88,912	75,217	68,126	81,865	71,760	63,724	79,344
63	81,850	76,854	86,845	83,297	78,639	87,994	73,685	66,342	80,585	70,099	61,845	77,925
64	80,526	75,229	85,814	82,009	77,043	87,007	72,085	64,489	79,240	68,371	59,901	76,440
65	79,123	73,517	84,715	80,639	75,355	85,949	70,427	62,580	77,840	66,590	57,905	74,900
66	77,642	71,720	83,545	79,187	73,577	84,817	68,714	60,619	76,386	64,760	55,864	73,307
67	76,077	69,834	82,299	77,647	71,704	83,606	66,943	58,605	74,873	62,878	53,776	71,658
68	74,419	67,848	80,966	76,009	69,724	82,305	65,110	56,537	73,292	60,940	51,642	69,944
69	72,656	65,747	79,536	74,260	67,620	80,903	63,208	54,411	71,632	58,940	49,460	68,154
70	70,779	63,521	77,999	72,390	65,381	79,390	61,233	52,225	69,884	56,874	47,230	66,281
71	68,784	61,171	76,348	70,395	63,006	77,759	59,183	49,982	68,043	54,743	44,957	64,320
72	66,673	58,704	74,580	68,276	60,503	76,007	57,062	47,688	66,109	52,551	42,648	62,272
73	64,449	56,126	72,694	66,037	57,880	74,131	54,873	45,348	64,086	50,302	40,307	60,143
74	62,117	53,448	70,689	63,684	55,147	72,131	52,622	42,970	61,980	48,002	37,938	57,939
75	59,683	50,679	68,564	61,222	52,316	70,005	50,314	40,559	59,794	45,656	35,547	55,664
76	57,149	47,829	66,315	58,654	49,396	67,749	47,948	38,122	57,527	43,266	33,142	53,317
77	54,516	44,907	63,935	55,980	46,399	65,355	45,529	35,664	55,172	40,895	30,731	50,889
78	51,784	41,924	61,416	53,201	43,335	62,815	43,052	33,190	52,720	38,363	28,025	48,385
79	48,954	38,893	58,748	50,319	40,216	60,121	40,517	30,707	50,161	35,853	25,935	45,784
80	46,029	35,827	55,924	47,335	37,057	57,263	37,924	28,221	47,487	33,306	23,572	43,083
81	43,012	32,742	52,937	44,254	33,875	54,235	35,273	25,739	44,690	30,725	21,428	40,275
82	39,909	29,658	49,781	41,081	30,691	51,031	32,566	23,271	41,764	28,115	18,975	37,355
83	36,728	26,596	46,450	37,826	27,528	47,6						

SECTION 6 - LIFE TABLES - PAGE 11

Table 6-3. Expectation of Life at Single Years of Age, by Race and Sex: United States, 1988

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	74.9	71.5	78.3	75.6	72.3	78.9	71.2	67.1	75.1	69.2	64.9	73.4
1	74.7	71.3	78.0	75.3	72.0	78.5	71.3	67.3	75.1	69.5	65.2	73.6
2	73.8	70.4	77.1	74.3	71.0	77.5	70.3	66.3	74.2	68.5	64.3	72.7
3	72.8	69.4	76.1	73.4	70.1	76.6	69.4	65.4	73.2	67.6	63.3	71.7
4	71.8	68.4	75.1	72.4	69.1	75.6	68.4	64.4	72.3	66.6	62.4	70.8
5	70.8	67.5	74.2	71.4	68.1	74.6	67.5	63.5	71.3	65.7	61.4	69.8
6	69.9	66.5	73.2	70.4	67.1	73.6	66.5	62.5	70.3	64.7	60.4	68.8
7	68.9	65.5	72.2	69.4	66.2	72.7	65.5	61.5	69.4	63.7	59.5	67.8
8	67.9	64.5	71.2	68.5	65.2	71.7	64.5	60.5	68.4	62.8	58.5	66.9
9	66.9	63.5	70.2	67.5	64.2	70.7	63.6	59.6	67.4	61.8	57.5	65.9
10	65.9	62.5	69.2	66.5	63.2	69.7	62.6	58.6	66.4	60.8	56.5	64.9
11	64.9	61.6	68.2	65.5	62.2	68.7	61.6	57.6	65.4	59.8	55.5	63.9
12	64.0	60.6	67.2	64.5	61.2	67.7	60.6	56.6	64.4	58.8	54.5	62.9
13	63.0	59.6	66.3	63.5	60.2	66.7	59.6	55.6	63.5	57.8	53.6	61.9
14	62.0	58.6	65.3	62.5	59.3	65.7	58.6	54.6	62.5	56.9	52.6	61.0
15	61.0	57.6	64.3	61.6	58.3	64.8	57.7	53.7	61.5	55.9	51.6	60.0
16	60.1	56.7	63.3	60.6	57.3	63.8	56.7	52.7	60.5	54.9	50.7	59.0
17	59.1	55.8	62.3	59.7	56.4	62.8	55.8	51.8	59.6	54.0	49.8	58.0
18	58.2	54.8	61.4	58.7	55.5	61.8	54.8	50.9	58.6	53.0	48.8	57.1
19	57.2	53.9	60.4	57.8	54.6	60.9	53.9	50.0	57.6	52.1	47.9	56.1
20	56.3	53.0	59.4	56.8	53.6	59.9	53.0	49.1	56.7	51.2	47.0	55.1
21	55.3	52.1	58.5	55.9	52.7	58.9	52.0	48.2	55.7	50.3	46.2	54.2
22	54.4	51.2	57.5	54.9	51.8	58.0	51.1	47.3	54.7	49.3	45.3	53.2
23	53.5	50.3	56.5	54.0	50.9	57.0	50.2	46.4	53.8	48.4	44.4	52.3
24	52.5	49.3	55.6	53.0	50.0	56.0	49.3	45.5	52.8	47.5	43.5	51.3
25	51.6	48.4	54.6	52.1	49.0	55.0	48.4	44.7	51.9	46.6	42.7	50.4
26	50.6	47.5	53.6	51.2	48.1	54.1	47.5	43.8	50.9	45.7	41.8	49.4
27	49.7	46.6	52.7	50.2	47.2	53.1	46.6	42.9	50.0	44.8	41.0	48.5
28	48.8	45.7	51.7	49.3	46.3	52.1	45.7	42.1	49.0	43.9	40.1	47.5
29	47.8	44.8	50.7	48.3	45.3	51.2	44.8	41.2	48.1	43.0	39.2	46.6
30	46.9	43.8	49.8	47.4	44.4	50.2	43.9	40.3	47.1	42.1	38.4	45.7
31	45.9	42.9	48.8	46.4	43.5	49.2	43.0	39.5	46.2	41.3	37.5	44.7
32	45.0	42.0	47.8	45.5	42.6	48.3	42.1	38.6	45.3	40.4	36.7	43.8
33	44.1	41.1	46.9	44.5	41.6	47.3	41.2	37.7	44.3	39.5	35.9	42.9
34	43.1	40.2	45.9	43.6	40.7	46.3	40.3	36.9	43.4	38.6	35.1	42.0
35	42.2	39.3	45.0	42.7	39.8	45.4	39.4	36.1	42.5	37.8	34.3	41.1
36	41.3	38.4	44.0	41.7	38.9	44.4	38.5	35.2	41.6	36.9	33.5	40.2
37	40.4	37.5	43.1	40.8	37.9	43.4	37.7	34.4	40.7	36.1	32.7	39.3
38	39.4	36.6	42.1	39.8	37.0	42.5	36.8	33.6	39.8	35.3	31.9	38.4
39	38.5	35.7	41.2	38.9	36.1	41.5	36.0	32.8	38.8	34.4	31.1	37.5
40	37.6	34.8	40.2	38.0	35.2	40.6	35.1	32.0	37.9	33.6	30.3	36.6
41	36.7	33.9	39.3	37.0	34.3	39.6	34.2	31.2	37.0	32.8	29.6	35.7
42	35.8	33.0	38.3	36.1	33.4	38.7	33.4	30.4	36.1	31.9	28.8	34.8
43	34.9	32.1	37.4	35.2	32.5	37.7	32.5	29.6	35.3	31.1	28.0	33.9
44	33.9	31.2	36.5	34.3	31.6	36.8	31.7	28.8	34.4	30.3	27.2	33.1
45	33.0	30.3	35.5	33.4	30.7	35.8	30.9	28.0	33.5	29.5	26.5	32.2
46	32.1	29.5	34.6	32.5	29.8	34.9	30.0	27.2	32.6	28.7	25.7	31.4
47	31.3	28.6	33.7	31.6	28.9	34.0	29.2	26.4	31.7	27.9	25.0	30.5
48	30.4	27.7	32.8	30.7	28.0	33.1	28.4	25.6	30.9	27.1	24.3	29.7
49	29.5	26.9	31.9	29.8	27.2	32.1	27.6	24.9	30.0	26.3	23.5	28.8
50	28.6	26.0	31.0	28.9	26.3	31.2	26.8	24.1	29.2	25.5	22.8	28.0
51	27.8	25.2	30.1	28.0	25.5	30.3	26.0	23.4	28.3	24.8	22.1	27.2
52	26.9	24.4	29.2	27.2	24.6	29.5	25.2	22.7	27.5	24.0	21.4	26.3
53	26.1	23.6	28.3	26.3	23.8	28.6	24.5	21.9	26.7	23.3	20.8	25.5
54	25.3	22.8	27.5	25.5	23.0	27.7	23.7	21.2	25.9	22.6	20.1	24.8
55	24.4	22.0	26.6	24.6	22.2	26.8	23.0	20.5	25.1	21.8	19.4	24.0
56	23.6	21.2	25.8	23.8	21.4	26.0	22.2	19.8	24.3	21.1	18.8	23.2
57	22.8	20.4	24.9	23.0	20.6	25.1	21.5	19.2	23.5	20.4	18.1	22.5
58	22.0	19.7	24.1	22.2	19.8	24.3	20.8	18.5	22.7	19.7	17.5	21.7
59	21.3	19.0	23.3	21.4	19.1	23.5	20.1	17.9	22.0	19.1	16.8	21.0
60	20.5	18.2	22.5	20.7	18.4	22.6	19.4	17.2	21.3	18.4	16.2	20.3
61	19.8	17.5	21.7	19.9	17.6	21.8	18.7	16.6	20.5	17.8	15.6	19.6
62	19.0	16.8	20.9	19.2	16.9	21.0	18.1	16.0	19.8	17.1	15.0	18.9
63	18.3	16.2	20.1	18.4	16.3	20.2	17.5	15.4	19.1	16.5	14.5	18.2
64	17.6	15.5	19.4	17.7	15.6	19.5	16.8	14.9	18.4	16.0	13.9	17.6
65	16.9	14.9	18.6	17.0	14.9	18.7	16.2	14.3	17.8	15.4	13.4	16.9
66	16.2	14.2	17.9	16.3	14.3	17.9	15.6	13.7	17.1	14.8	12.9	16.3
67	15.6	13.6	17.1	15.6	13.6	17.2	15.0	13.2	16.4	14.2	12.4	15.6
68	14.9	13.0	16.4	14.9	13.0	16.5	14.4	12.7	15.8	13.6	11.9	15.0
69	14.2	12.4	15.7	14.3	12.4	15.7	13.8	12.1	15.1	13.1	11.4	14.4
70	13.6	11.8	15.0	13.6	11.8	15.0	13.3	11.6	14.5	12.6	10.9	13.8
71	13.0	11.2	14.3	13.0	11.2	14.3	12.7	11.1	13.9	12.0	10.4	13.2
72	12.4	10.7	13.6	12.4	10.7	13.7	12.2	10.6	13.3	11.5	9.9	12.6
73	11.8	10.1	13.0	11.8	10.1	13.0	11.6	10.2	12.7	11.0	9.5	12.0
74	11.2	9.6	12.3	11.2	9.6	12.3	11.1	9.7	12.1	10.5	9.0	11.5
75	10.7	9.1	11.7	10.7	9.1	11.7	10.6	9.2	11.5	10.0	8.6	10.9
76	10.1	8.6	11.1	10.1	8.6	11.1	10.1	8.8	10.9	9.5	8.2	10.4
77	9.6	8.2	10.4	9.6	8.2	10.4	9.6	8.4	10.4	9.1	7.8	9.9
78	9.0	7.7	9.9	9.0	7.7	9.8	9.1	8.0	9.9	8.6	7.4	9.4
79	8.5	7.3	9.3	8.5	7.3	9.3	8.7	7.6	9.3	8.2	7.1	8.9
80	8.1	6.9	8.7	8.0	6.8	8.7	8.2	7.2	8.8	7.8	6.8	8.4
81	7.6	6.5	8.2	7.6	6.4	8.2	7.8	6.8	8.4	7.4	6.4	7.9
82	7.1	6.1	7.7	7.1	6.0	7.6	7.4	6.5	7.9	7.1	6.2	7.5
83	6.7	5.7	7.2	6.7	5.7	7.2	7.1	6.2	7.5	6.7	5.9	7.2
84	6.3	5.4	6.7	6.3	5.4	6.7	6.8	6.0	7.1	6.5	5.7	6.8
85	6.0	5.1	6.3	6.0	5.1	6.3	6.5	5.8	6.8	6.3	5.5	6.6



SECTION 6 - LIFE TABLES - PAGE 12

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1988

[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<sub>x</sub></i> )									
	1988	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>ALL RACES</b>										
0 .....	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1 .....	99,001	98,740	97,998	97,407	97,024	95,290	94,028	92,515	88,538	87,552
5 .....	98,603	98,495	97,668	96,998	96,482	94,220	91,978	83,389	83,887	81,804
10 .....	98,683	98,347	97,460	96,765	96,177	93,710	91,106	88,129	82,458	80,052
15 .....	98,549	98,186	97,261	96,551	95,885	93,235	90,385	87,144	81,506	78,963
20 .....	98,118	97,741	96,716	96,111	95,366	92,435	89,089	85,441	80,074	77,239
25 .....	97,553	97,110	96,000	95,517	94,676	91,335	87,269	83,146	78,046	74,768
30 .....	96,957	96,477	95,307	94,905	93,919	90,078	85,302	80,642	75,779	72,043
35 .....	96,240	95,808	94,482	94,144	92,976	88,573	83,118	77,961	73,127	69,078
40 .....	95,316	94,926	93,322	93,064	91,648	86,650	80,557	75,114	70,042	65,890
45 .....	94,112	93,589	91,587	91,378	89,634	84,069	77,343	72,036	66,561	62,436
50 .....	92,335	91,526	88,972	88,756	86,591	80,487	73,321	68,429	62,660	58,514
55 .....	89,569	88,348	85,110	84,711	82,176	75,557	68,182	63,947	57,555	53,852
60 .....	85,331	83,726	79,529	79,067	75,921	68,924	61,563	58,079	51,138	47,946
65 .....	79,123	77,107	71,933	71,147	67,555	60,366	53,195	50,560	43,194	40,911
70 .....	70,779	68,248	61,984	60,857	56,987	49,655	42,768	41,090	33,816	32,960
75 .....	59,683	56,799	49,705	48,170	43,903	36,735	30,789	29,729	23,552	22,960
80 .....	46,029	43,180	35,285	33,576	29,313	22,883	18,580	18,298	13,712	13,529
85 .....	30,171	27,960	20,908	18,542	15,785	11,073	8,542	8,683	6,001	6,053
<b>MALE</b>										
0 .....	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1 .....	98,896	98,607	97,755	97,087	96,661	94,762	93,440	91,745	87,505	86,426
5 .....	98,676	98,333	97,395	96,643	96,077	93,624	91,294	88,505	82,718	80,548
10 .....	98,538	98,160	97,151	96,375	95,726	93,054	90,346	87,184	81,249	78,775
15 .....	98,373	97,972	96,904	96,107	95,366	92,508	89,561	86,156	80,261	77,681
20 .....	97,758	97,316	96,126	95,491	94,695	91,617	88,220	84,440	78,792	75,984
25 .....	96,904	96,361	95,040	94,631	93,791	90,385	86,359	82,252	76,675	73,472
30 .....	96,039	95,430	94,072	93,826	92,861	89,009	84,346	79,890	74,378	70,747
35 .....	95,015	94,501	92,997	92,889	91,760	87,371	82,075	77,514	71,614	67,572
40 .....	93,739	93,345	91,541	91,572	90,207	85,246	79,357	74,432	68,297	64,447
45 .....	92,147	91,649	89,369	89,492	87,819	82,336	75,882	71,244	64,518	60,849
50 .....	89,886	89,007	86,070	86,199	84,158	78,254	71,518	67,553	60,118	56,736
55 .....	86,429	84,936	81,139	81,039	78,781	72,627	65,981	62,965	54,970	51,939
60 .....	81,156	79,012	73,958	73,887	71,246	65,142	58,909	56,917	48,343	45,895
65 .....	73,517	70,646	64,318	64,177	61,566	55,776	50,154	49,218	40,264	38,736
70 .....	63,521	59,681	52,296	52,244	49,950	44,588	39,516	39,668	31,023	30,217
75 .....	50,679	46,272	38,797	38,950	36,756	31,864	27,718	28,316	21,213	21,076
80 .....	35,827	31,810	24,921	25,300	23,237	18,995	16,172	17,128	11,942	12,084
85 .....	20,638	18,020	13,168	12,845	11,750	8,693	7,107	7,920	5,059	5,179
<b>FEMALE</b>										
0 .....	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1 .....	99,110	98,880	98,254	97,744	97,406	95,848	94,728	93,383	89,623	88,733
5 .....	98,935	98,666	97,955	97,371	96,908	94,848	92,789	90,380	85,117	83,119
10 .....	98,834	98,544	97,784	97,173	96,652	94,402	92,008	89,186	83,728	81,390
15 .....	98,734	98,432	97,636	97,016	96,431	94,000	91,364	88,247	82,813	80,307
20 .....	98,494	98,184	97,331	96,756	96,066	93,293	90,116	86,556	81,418	78,555
25 .....	98,222	97,883	96,966	96,418	95,583	92,322	88,328	84,135	79,481	76,119
30 .....	97,901	97,551	96,544	95,996	94,933	91,182	86,398	81,463	77,247	73,394
35 .....	97,496	97,140	95,966	95,409	94,206	89,810	84,304	78,713	74,719	70,463
40 .....	96,929	96,531	95,097	94,560	93,101	88,092	81,927	75,907	71,894	67,407
45 .....	96,112	95,570	93,793	93,265	91,469	85,856	79,041	72,954	68,755	64,121
50 .....	94,319	94,060	91,852	91,327	89,075	82,828	75,456	69,452	65,001	60,415
55 .....	92,742	91,760	89,066	88,451	85,694	78,708	70,832	65,099	60,392	55,908
60 .....	89,525	88,414	85,139	84,430	80,890	73,093	64,795	59,438	54,226	50,155
65 .....	84,715	83,520	79,698	78,462	74,119	65,523	56,924	52,126	46,438	43,246
70 .....	77,999	76,720	71,955	70,100	64,873	55,449	46,774	42,741	36,916	34,721
75 .....	68,564	67,186	61,107	58,394	52,111	42,425	34,600	31,344	26,155	24,994
80 .....	55,924	54,372	46,445	43,063	36,486	27,524	21,578	19,613	15,682	15,129
85 .....	39,253	37,772	29,538	25,269	20,668	13,972	10,322	9,515	7,051	7,063
<b>WHITE</b>										
0 .....	100,000	100,000	100,000	100,000	100,000	100,000	---	---	---	---
1 .....	99,146	98,898	98,224	97,714	97,278	95,685	---	---	---	---
5 .....	98,967	98,675	97,930	97,353	96,790	94,713	---	---	---	---
10 .....	98,858	98,536	97,733	97,131	96,502	94,228	---	---	---	---
15 .....	98,732	98,391	97,546	96,928	96,228	93,792	---	---	---	---
20 .....	98,315	97,939	97,036	96,508	95,763	93,117	---	---	---	---
25 .....	97,303	97,340	96,406	95,965	95,169	92,213	---	---	---	---
30 .....	97,283	96,774	95,824	95,440	94,536	91,185	---	---	---	---
35 .....	96,672	96,192	95,152	94,798	93,750	89,941	---	---	---	---
40 .....	95,896	95,427	94,190	93,870	92,616	88,318	---	---	---	---
45 .....	94,941	94,257	92,681	92,374	90,847	86,069	---	---	---	---
50 .....	93,247	92,384	90,306	89,958	88,110	82,833	---	---	---	---
55 .....	90,697	89,427	86,688	86,173	84,027	78,218	---	---	---	---
60 .....	86,659	85,031	81,323	80,811	78,066	71,785	---	---	---	---
65 .....	80,639	78,585	73,889	73,102	69,850	63,201	---	---	---	---
70 .....	72,390	69,801	63,991	62,834	59,189	52,165	---	---	---	---
75 .....	61,222	58,299	51,586	49,895	45,688	38,610	---	---	---	---
80 .....	47,335	44,409	36,659	34,697	30,438	23,976	---	---	---	---
85 .....	31,111	28,768	21,578	19,017	16,239	11,483	---	---	---	---

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 1988—Con.

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

Age, race, and sex	Average number of years of life remaining ( $e_x$ )									
	1988	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>ALL RACES</b>										
0	74.9	73.88	70.75	69.89	68.07	63.62	59.20	56.40	51.49	49.24
1	74.7	73.82	71.19	70.75	69.16	65.76	61.94	59.94	57.11	55.20
5	70.8	70.00	67.43	67.04	65.54	62.49	59.29	57.99	56.21	54.98
10	65.9	65.10	62.57	62.19	60.74	57.82	54.84	53.79	52.15	51.14
15	61.0	60.19	57.69	57.33	55.91	53.10	50.25	49.37	47.73	46.81
20	56.3	55.46	53.00	52.58	51.20	48.54	45.94	45.30	43.53	42.79
25	51.6	50.81	48.37	47.89	46.56	44.09	41.85	41.47	39.60	39.12
30	46.9	46.12	43.71	43.18	41.91	39.67	37.75	37.68	35.70	35.51
35	42.2	41.43	39.07	38.51	37.31	35.30	33.68	33.89	31.90	31.92
40	37.6	36.79	34.52	33.92	32.81	31.03	29.67	30.08	28.20	28.34
45	33.0	32.27	30.12	29.50	28.49	26.90	25.79	26.25	24.54	24.77
50	28.6	27.94	25.93	25.29	24.40	22.98	22.06	22.50	20.98	21.26
55	24.4	23.85	21.99	21.37	20.57	19.31	18.53	18.90	17.55	17.88
60	20.5	20.02	18.34	17.71	17.04	15.91	15.24	15.54	14.42	14.76
65	16.9	16.51	15.00	14.39	13.83	12.80	12.23	12.47	11.60	11.86
70	13.6	13.32	12.00	11.38	10.92	10.00	9.58	9.74	9.11	9.30
75	10.7	10.48	9.32	8.71	8.40	7.62	7.32	7.49	6.99	7.08
80	8.1	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
<b>MALE</b>										
0	71.5	70.11	67.04	66.80	65.47	61.60	57.71	55.50	49.86	47.88
1	71.3	70.10	67.58	67.80	66.73	64.00	60.75	59.47	55.95	54.35
5	67.5	66.29	63.82	64.10	63.12	60.76	58.14	57.60	55.11	54.22
10	62.5	61.41	58.98	59.27	58.35	56.12	53.75	53.44	51.07	50.39
15	57.6	56.52	54.12	54.43	53.56	51.43	49.18	49.05	46.66	46.06
20	53.0	51.88	49.54	49.77	48.92	46.91	44.88	44.99	42.48	42.03
25	48.4	47.37	45.07	45.19	44.36	42.51	40.79	41.11	38.59	38.38
30	43.8	42.81	40.51	40.56	39.78	38.13	36.71	37.26	34.70	34.76
35	39.3	38.20	35.95	35.94	35.23	33.79	32.65	33.43	30.94	31.19
40	34.8	33.64	31.48	31.42	30.79	29.57	28.68	29.63	27.32	27.65
45	30.3	29.22	27.18	27.09	26.55	25.52	24.87	25.84	23.77	24.14
50	26.0	25.00	23.12	23.02	22.59	21.72	21.25	22.11	20.32	20.70
55	22.0	21.08	19.36	19.32	18.96	18.20	17.79	18.53	16.98	17.38
60	18.2	17.46	15.99	15.94	15.68	14.99	14.52	15.22	13.95	14.33
65	14.9	14.21	12.99	12.95	12.74	12.07	11.72	12.20	11.24	11.50
70	11.8	11.35	10.39	10.33	10.11	9.46	9.18	9.52	8.83	9.02
75	9.1	8.90	8.13	7.99	7.83	7.22	7.02	7.31	6.75	6.84
80	6.9	6.80	6.27	5.95	5.94	5.42	5.27	5.49	5.10	5.11
85	5.1	5.13	4.73	4.39	4.41	4.11	4.02	4.10	3.90	3.82
<b>FEMALE</b>										
0	78.3	77.62	74.64	73.24	70.96	65.89	60.90	57.40	53.24	50.70
1	78.0	77.50	74.97	73.93	71.84	67.73	63.00	60.45	58.37	56.10
5	74.2	73.67	71.19	70.21	68.21	64.43	60.66	58.41	57.39	55.80
10	69.2	68.75	66.31	65.35	63.38	59.73	56.16	54.16	53.31	51.94
15	64.3	63.83	61.41	60.45	58.52	54.97	51.54	49.71	48.87	47.60
20	59.4	58.98	56.59	55.60	53.73	50.37	47.21	45.63	44.66	43.60
25	54.6	54.16	51.80	50.79	48.99	45.87	43.11	41.86	40.69	39.92
30	49.8	49.33	47.01	46.00	44.28	41.41	39.02	38.15	36.79	36.30
35	45.0	44.53	42.28	41.27	39.63	37.01	34.92	34.40	32.95	32.71
40	40.2	39.80	37.64	36.61	35.06	32.68	30.86	30.58	29.15	29.08
45	35.5	35.17	33.13	32.09	30.64	28.46	26.89	26.71	25.36	25.44
50	31.0	30.69	28.77	27.71	26.40	24.40	23.05	22.92	21.67	21.84
55	26.6	26.39	24.59	23.53	22.33	20.54	19.38	19.28	18.13	18.39
60	22.5	22.29	20.60	19.52	18.50	16.92	15.94	15.87	14.90	15.21
65	18.6	18.44	16.83	15.80	14.95	13.57	12.73	12.73	11.96	12.22
70	15.0	14.84	13.35	12.37	11.71	10.56	9.99	9.96	9.38	9.59
75	11.7	11.58	10.26	9.33	8.94	8.01	7.61	7.65	7.20	7.34
80	8.7	8.69	7.68	6.72	6.67	5.99	5.70	5.75	5.37	5.51
85	6.3	6.38	5.63	4.71	4.90	4.47	4.32	4.30	4.08	4.12
<b>WHITE</b>										
0	75.6	74.53	71.62	70.73	69.02	64.92	---	---	---	---
1	75.3	74.35	71.91	71.38	69.95	66.84	---	---	---	---
5	71.4	70.52	68.12	67.64	66.29	63.52	---	---	---	---
10	66.5	65.62	63.26	62.79	61.48	58.83	---	---	---	---
15	61.6	60.71	58.37	57.92	56.65	54.09	---	---	---	---
20	56.8	55.98	53.66	53.16	51.91	49.47	---	---	---	---
25	52.1	51.30	49.00	48.44	47.22	44.92	---	---	---	---
30	47.4	46.59	44.28	43.69	42.52	40.40	---	---	---	---
35	42.7	41.86	39.58	38.97	37.86	35.93	---	---	---	---
40	38.0	37.17	34.95	34.33	33.29	31.54	---	---	---	---
45	33.4	32.60	30.48	29.84	28.88	27.29	---	---	---	---
50	28.9	28.21	26.21	25.57	24.70	23.26	---	---	---	---
55	24.6	24.05	22.19	21.58	20.77	19.47	---	---	---	---
60	20.7	20.16	18.48	17.84	17.15	15.98	---	---	---	---
65	17.0	16.59	15.08	14.44	13.86	12.80	---	---	---	---
70	13.6	13.35	12.01	11.37	10.89	9.96	---	---	---	---
75	10.7	10.47	9.27	8.65	8.34	7.55	---	---	---	---
80	8.0	7.95	7.01	6.33	6.27	5.64	---	---	---	---
85	5.9	5.90	5.19	4.53	4.62	4.20	---	---	---	---

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 1988—Con.

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

Age, race, and sex	Number of survivors out of 100,000 born alive ( <i>l<sub>x</sub></i> )									
	1988	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>WHITE, MALE</b>										
0 .....	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1 .....	99,045	98,769	97,994	97,408	96,931	95,188	93,768	91,975	87,674	86,655
5 .....	98,846	98,519	97,671	97,015	96,403	94,150	91,738	88,842	82,972	80,864
10 .....	98,720	98,357	97,441	96,758	96,069	93,601	90,810	87,530	81,519	79,109
15 .....	98,561	98,176	97,208	96,503	95,728	93,089	90,074	86,546	80,549	78,037
20 .....	97,974	97,525	96,480	95,908	95,104	92,293	88,904	84,997	79,116	76,376
25 .....	97,201	96,616	95,524	95,106	94,294	91,241	87,371	83,061	77,047	73,907
30 .....	96,443	95,763	94,716	94,401	93,489	90,092	85,707	80,888	74,810	71,219
35 .....	95,566	94,960	93,843	93,589	92,543	88,713	83,812	78,441	72,108	68,245
40 .....	94,492	93,964	92,631	92,427	91,173	86,880	81,457	75,733	68,848	64,954
45 .....	93,099	92,494	90,725	90,533	89,002	84,285	78,345	72,696	65,115	61,369
50 .....	91,079	90,105	87,690	87,424	85,601	80,521	74,288	69,107	60,741	57,274
55 .....	87,893	86,303	83,001	82,463	80,496	75,156	68,991	64,574	55,622	52,491
60 .....	82,835	80,625	75,969	75,485	73,172	67,787	61,933	58,498	48,987	46,452
65 .....	75,955	72,393	66,343	65,834	63,541	58,305	52,964	50,663	40,862	39,245
70 .....	65,381	61,384	54,138	53,825	51,735	46,739	41,880	40,873	31,527	30,640
75 .....	52,316	47,712	40,324	40,207	38,104	33,404	29,471	29,205	21,585	21,387
80 .....	37,057	32,788	25,885	25,993	24,005	19,860	17,221	17,655	12,160	12,887
85 .....	21,375	18,538	13,527	13,065	12,015	9,013	7,572	8,154	5,145	5,252
<b>WHITE, FEMALE</b>										
0 .....	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1 .....	99,253	99,035	98,468	98,036	97,645	95,211	93,037	90,608	89,774	88,939
5 .....	99,095	98,841	98,203	97,709	97,199	95,309	93,216	90,721	85,349	83,426
10 .....	99,003	98,725	98,042	97,525	96,960	94,890	92,466	89,564	83,979	81,723
15 .....	98,912	98,618	97,902	97,375	96,756	94,534	91,894	88,712	83,093	80,680
20 .....	98,673	98,374	97,618	97,135	96,454	93,984	90,939	87,281	81,750	78,978
25 .....	98,427	98,093	97,299	96,844	96,072	93,228	89,524	85,163	79,865	76,588
30 .....	98,155	97,802	96,945	96,499	95,605	92,320	87,972	82,740	77,676	73,887
35 .....	97,821	97,445	96,474	96,026	94,977	91,211	86,248	80,206	75,200	70,971
40 .....	97,351	96,913	95,762	95,326	94,080	89,805	84,256	77,624	72,425	67,935
45 .....	96,639	96,065	94,649	94,228	92,725	87,920	81,780	74,871	69,341	64,677
50 .....	95,476	94,710	92,924	92,522	90,685	85,267	78,572	71,547	65,629	61,005
55 .....	93,570	92,594	90,383	89,967	87,699	81,520	74,321	67,323	61,053	56,509
60 .....	90,543	89,451	86,726	86,339	83,279	76,200	68,462	61,704	54,900	50,572
65 .....	85,949	84,764	81,579	80,739	76,773	68,701	60,499	54,299	47,086	43,806
70 .....	79,390	78,139	74,101	72,507	67,545	58,363	49,932	44,638	37,482	35,206
75 .....	70,005	68,712	63,290	60,461	54,397	44,685	37,024	32,777	26,569	25,362
80 .....	57,263	55,770	48,182	44,676	38,026	28,882	23,053	20,492	15,929	15,349
85 .....	40,314	38,774	30,490	26,046	21,348	14,487	10,937	9,909	7,152	7,149
<b>ALL OTHER</b>										
0 .....	100,000	100,000	100,000	100,000	100,000	---	---	---	---	---
1 .....	98,483	98,097	96,909	95,732	95,407	---	---	---	---	---
5 .....	98,210	97,756	96,400	95,051	94,482	---	---	---	---	---
10 .....	98,047	97,568	96,126	94,745	94,060	---	---	---	---	---
15 .....	97,883	97,387	95,864	94,460	93,646	---	---	---	---	---
20 .....	97,393	96,913	95,101	93,880	92,738	---	---	---	---	---
25 .....	96,581	96,107	93,792	92,925	91,321	---	---	---	---	---
30 .....	95,600	95,088	92,309	91,699	89,584	---	---	---	---	---
35 .....	94,322	93,870	90,470	90,046	87,402	---	---	---	---	---
40 .....	92,597	92,245	87,964	87,766	84,478	---	---	---	---	---
45 .....	90,464	89,928	84,575	84,501	80,507	---	---	---	---	---
50 .....	87,583	86,525	80,046	80,172	74,976	---	---	---	---	---
55 .....	83,538	81,732	74,150	73,893	67,660	---	---	---	---	---
60 .....	78,023	75,300	66,775	65,795	58,593	---	---	---	---	---
65 .....	70,427	67,179	57,797	56,038	48,649	---	---	---	---	---
70 .....	61,233	57,635	47,542	45,434	38,616	---	---	---	---	---
75 .....	50,314	46,362	35,987	34,531	28,968	---	---	---	---	---
80 .....	37,924	34,558	25,215	24,815	20,003	---	---	---	---	---
85 .....	24,143	22,279	16,299	15,337	12,433	---	---	---	---	---
<b>ALL OTHER, MALE</b>										
0 .....	100,000	100,000	100,000	100,000	100,000	100,000	---	---	---	---
1 .....	98,365	97,939	96,592	95,301	94,911	91,696	---	---	---	---
5 .....	98,064	97,559	96,038	94,570	93,921	89,920	---	---	---	---
10 .....	97,875	97,337	95,716	94,234	93,453	89,211	---	---	---	---
15 .....	97,684	97,113	95,385	93,874	92,965	88,417	---	---	---	---
20 .....	96,951	96,431	94,293	93,108	91,941	86,770	---	---	---	---
25 .....	95,705	95,200	92,267	91,825	90,285	84,055	---	---	---	---
30 .....	94,270	93,666	90,106	90,270	88,327	80,865	---	---	---	---
35 .....	92,430	91,891	87,597	88,331	85,940	77,185	---	---	---	---
40 .....	89,970	89,645	84,378	85,744	82,832	72,830	---	---	---	---
45 .....	87,051	86,578	80,163	82,075	78,686	67,514	---	---	---	---
50 .....	83,246	82,153	74,748	77,239	72,891	60,766	---	---	---	---
55 .....	78,114	76,019	67,808	70,351	65,122	52,867	---	---	---	---
60 .....	71,429	68,093	59,396	61,669	55,535	44,370	---	---	---	---
65 .....	62,580	58,517	49,607	51,392	45,198	35,912	---	---	---	---
70 .....	52,225	47,796	39,025	39,914	35,018	27,688	---	---	---	---
75 .....	40,559	36,191	27,789	29,064	25,472	19,765	---	---	---	---
80 .....	28,221	24,969	17,999	19,994	16,904	12,352	---	---	---	---
85 .....	16,043	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 1988—Con.

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

Age, race, and sex	Average number of years of life remaining ( $e_x$ )									
	1988	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>WHITE, MALE</b>										
0	72.3	70.82	67.84	67.55	66.31	62.81	59.12	56.34	50.23	48.23
1	72.0	70.70	68.33	68.34	67.41	64.98	62.04	60.24	56.26	54.61
5	68.1	66.87	64.55	64.61	63.77	61.68	59.38	58.31	55.37	54.43
10	63.2	61.88	59.69	59.78	58.98	57.03	54.96	54.15	51.32	50.59
15	58.3	57.09	54.83	54.93	54.18	52.33	50.39	49.74	46.91	46.25
20	53.6	52.45	50.22	50.25	49.52	47.76	46.02	45.60	42.71	42.19
25	49.0	47.92	45.70	45.65	44.93	43.28	41.78	41.60	38.79	38.52
30	44.4	43.31	41.07	40.97	40.29	38.80	37.54	37.65	34.87	34.88
35	39.8	38.66	36.43	36.31	35.68	34.36	33.33	33.74	31.08	31.29
40	35.2	34.04	31.87	31.73	31.17	30.03	29.22	29.86	27.43	27.74
45	30.7	29.55	27.48	27.34	26.87	25.87	25.28	26.00	23.86	24.21
50	26.3	25.26	23.34	23.22	22.83	21.96	21.51	22.22	20.39	20.76
55	22.2	21.25	19.51	19.45	19.11	18.34	17.97	18.59	17.03	17.42
60	18.4	17.56	16.07	16.01	15.76	15.05	14.72	15.25	13.98	14.35
65	14.9	14.26	13.02	12.97	12.75	12.07	11.77	12.21	11.25	11.51
70	11.8	11.35	10.38	10.29	10.07	9.42	9.20	9.51	8.83	9.03
75	9.1	8.87	8.06	7.92	7.77	7.17	7.02	7.30	6.75	6.84
80	6.8	6.76	6.18	6.09	5.88	5.38	5.26	5.47	5.09	5.10
85	5.1	5.09	4.63	4.34	4.35	4.02	3.99	4.06	3.88	3.81
<b>WHITE, FEMALE</b>										
0	78.9	78.22	75.49	74.19	72.03	67.29	62.67	58.53	53.62	51.08
1	78.5	77.98	75.66	74.68	72.77	68.93	64.93	61.51	58.69	56.39
5	74.6	74.13	71.86	70.92	69.09	65.57	62.17	59.43	57.67	56.03
10	69.7	69.21	66.97	66.05	64.26	60.85	57.65	55.17	53.57	52.15
15	64.8	64.29	62.07	61.15	59.39	56.07	53.00	50.67	49.12	47.79
20	59.9	59.44	57.24	56.29	54.56	51.38	48.52	46.46	44.88	43.77
25	55.0	54.60	52.42	51.45	49.77	46.78	44.25	42.55	40.88	40.05
30	50.2	49.76	47.60	46.63	45.00	42.21	39.99	38.72	36.96	36.42
35	45.4	44.93	42.82	41.84	40.28	37.70	35.73	34.86	33.09	32.82
40	40.6	40.16	38.12	37.13	35.64	33.25	31.52	30.94	29.26	29.17
45	35.8	35.49	33.54	32.53	31.12	28.90	27.39	26.98	25.45	25.51
50	31.2	30.96	29.11	28.08	26.76	24.72	23.41	23.12	21.74	21.89
55	26.8	26.61	24.85	23.81	22.58	20.73	19.60	19.40	18.18	18.43
60	22.6	22.45	20.79	19.69	18.64	17.00	16.05	15.93	14.92	15.23
65	18.7	18.55	16.93	15.88	15.00	13.56	12.81	12.75	11.97	12.23
70	15.0	14.89	13.37	12.38	11.68	10.50	9.98	9.94	9.38	9.59
75	11.7	11.58	10.21	9.28	8.87	7.92	7.56	7.62	7.20	7.33
80	8.7	8.65	7.59	6.67	6.59	5.88	5.63	5.70	5.35	5.50
85	6.3	6.32	5.54	4.66	4.83	4.34	4.24	4.24	4.06	4.10
<b>ALL OTHER</b>										
0	71.2	69.84	64.95	63.91	60.73	---	---	---	---	---
1	71.3	70.19	66.02	65.75	62.65	---	---	---	---	---
5	67.5	66.43	62.36	62.21	59.25	---	---	---	---	---
10	62.6	61.56	57.53	57.41	54.50	---	---	---	---	---
15	57.7	56.67	52.68	52.57	49.73	---	---	---	---	---
20	53.0	51.93	48.08	47.88	45.19	---	---	---	---	---
25	48.4	47.34	43.71	43.35	40.85	---	---	---	---	---
30	43.9	42.82	39.37	38.89	36.59	---	---	---	---	---
35	39.4	38.34	35.12	34.56	32.44	---	---	---	---	---
40	35.1	33.97	31.05	30.39	28.48	---	---	---	---	---
45	30.9	29.78	27.19	26.46	24.75	---	---	---	---	---
50	26.8	25.85	23.58	22.74	21.38	---	---	---	---	---
55	23.0	22.21	20.24	19.45	18.41	---	---	---	---	---
60	19.4	18.88	17.19	16.53	15.87	---	---	---	---	---
65	16.2	15.86	14.47	13.96	13.59	---	---	---	---	---
70	13.3	13.06	12.04	11.63	11.48	---	---	---	---	---
75	10.6	10.61	10.09	9.52	9.48	---	---	---	---	---
80	8.2	8.38	8.36	7.28	7.62	---	---	---	---	---
85	6.5	6.63	6.62	5.27	5.79	---	---	---	---	---
<b>ALL OTHER, MALE</b>										
0	67.1	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	49.1	47.87	44.37	45.78	43.73	39.74	---	---	---	---
25	44.7	43.46	40.29	41.38	39.49	35.94	---	---	---	---
30	40.3	39.13	36.20	37.05	35.31	32.25	---	---	---	---
35	36.1	34.83	32.16	32.81	31.21	28.67	---	---	---	---
40	32.0	30.64	28.29	28.72	27.29	25.23	---	---	---	---
45	28.0	26.63	24.64	24.89	23.59	22.02	---	---	---	---
50	24.1	22.92	21.24	21.28	20.25	19.18	---	---	---	---
55	20.5	19.56	18.14	18.11	17.36	16.67	---	---	---	---
60	17.2	16.54	15.35	15.29	14.91	14.38	---	---	---	---
65	14.3	13.83	12.87	12.84	12.75	12.18	---	---	---	---
70	11.6	11.36	10.68	10.81	10.74	10.06	---	---	---	---
75	9.2	9.20	8.99	8.93	8.83	8.09	---	---	---	---
80	7.2	7.22	7.57	6.87	7.07	6.46	---	---	---	---
85	5.8	5.69	6.04	5.08	5.38	5.08	---	---	---	---

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 1988—Con.

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

Age, race, and sex	Number of survivors out of 100,000 born alive ( <i>l<sub>x</sub></i> )									
	1988	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>ALL OTHER, FEMALE</b>										
0	100,000	100,000	100,000	100,000	100,000	100,000	---	---	---	---
1	98,605	98,261	97,235	96,172	95,913	93,318	---	---	---	---
5	98,360	97,958	96,772	95,543	95,055	91,710	---	---	---	---
10	98,224	97,806	96,546	95,285	94,679	91,092	---	---	---	---
15	98,088	97,669	96,353	95,057	94,343	90,363	---	---	---	---
20	97,848	97,404	95,917	94,660	93,544	88,505	---	---	---	---
25	97,457	96,966	95,247	94,005	92,336	85,961	---	---	---	---
30	96,901	96,441	94,370	93,070	90,799	83,147	---	---	---	---
35	96,148	95,719	93,123	91,670	88,805	79,879	---	---	---	---
40	95,083	94,646	91,247	89,676	86,052	75,908	---	---	---	---
45	93,654	93,009	88,608	86,793	82,257	71,061	---	---	---	---
50	91,614	90,523	84,964	82,979	77,007	64,886	---	---	---	---
55	88,572	86,951	80,162	77,362	70,196	57,419	---	---	---	---
60	84,180	82,000	73,984	69,941	61,758	49,102	---	---	---	---
65	77,840	75,382	66,064	60,825	52,358	40,718	---	---	---	---
70	69,884	67,147	56,375	51,274	42,612	32,579	---	---	---	---
75	59,794	56,499	44,841	40,540	32,981	24,668	---	---	---	---
80	47,487	44,378	33,373	30,315	23,712	17,157	---	---	---	---
85	32,181	30,543	22,763	19,744	15,550	10,658	---	---	---	---
<b>BLACK</b>										
0	100,000	100,000	100,000	---	---	100,000	---	---	---	---
1	98,225	97,885	96,731	---	---	92,584	---	---	---	---
5	97,922	97,522	96,207	---	---	90,983	---	---	---	---
10	97,746	97,322	95,928	---	---	90,339	---	---	---	---
15	97,569	97,134	95,661	---	---	89,591	---	---	---	---
20	97,046	96,652	94,887	---	---	87,839	---	---	---	---
25	96,153	95,804	93,513	---	---	85,210	---	---	---	---
30	95,031	94,680	91,934	---	---	82,194	---	---	---	---
35	93,516	93,288	89,977	---	---	78,683	---	---	---	---
40	91,437	91,439	87,304	---	---	74,466	---	---	---	---
45	88,855	88,834	83,700	---	---	69,284	---	---	---	---
50	85,496	85,044	78,938	---	---	62,702	---	---	---	---
55	80,909	79,816	72,826	---	---	54,846	---	---	---	---
60	74,819	72,913	65,250	---	---	46,318	---	---	---	---
65	66,590	64,391	56,102	---	---	37,838	---	---	---	---
70	56,874	54,617	45,785	---	---	29,654	---	---	---	---
75	45,656	43,274	34,262	---	---	21,798	---	---	---	---
80	33,306	31,711	23,710	---	---	14,408	---	---	---	---
85	20,160	19,939	15,044	---	---	8,326	---	---	---	---
<b>BLACK, MALE</b>										
0	100,000	100,000	100,000	---	---	100,000	100,000	100,000	100,000	100,000
1	98,081	97,703	96,394	---	---	91,772	91,268	89,499	78,065	74,674
5	97,742	97,300	95,826	---	---	90,082	88,412	85,195	68,589	64,385
10	97,537	97,061	95,497	---	---	89,393	87,311	83,768	66,377	61,730
15	97,333	96,826	95,161	---	---	88,610	86,152	82,332	64,478	59,667
20	96,534	96,132	94,053	---	---	86,968	83,621	79,057	61,426	56,733
25	95,150	94,827	91,904	---	---	84,227	79,516	74,540	57,736	53,285
30	93,499	93,125	89,584	---	---	80,979	75,083	70,344	54,073	49,867
35	91,293	91,080	86,885	---	---	77,221	70,049	65,873	49,865	46,541
40	88,297	88,490	83,441	---	---	72,780	64,710	61,353	45,414	42,989
45	84,745	84,997	78,976	---	---	67,346	58,432	56,589	40,563	39,230
50	80,260	80,065	73,282	---	---	60,495	51,748	51,880	35,427	34,766
55	74,421	73,413	66,101	---	---	52,426	44,436	46,581	29,754	29,987
60	67,223	64,980	57,457	---	---	43,833	36,790	40,506	23,750	24,194
65	57,905	55,061	47,485	---	---	35,371	29,314	34,042	17,806	19,015
70	47,230	44,213	36,925	---	---	27,236	21,741	26,923	12,295	13,829
75	35,547	32,717	25,921	---	---	19,456	14,419	18,854	7,494	8,892
80	23,572	22,017	16,560	---	---	12,186	8,239	11,615	3,894	4,831
85	12,594	12,383	9,648	---	---	6,444	3,660	5,605	1,747	2,030
<b>BLACK, FEMALE</b>										
0	100,000	100,000	100,000	---	---	100,000	100,000	100,000	100,000	100,000
1	98,374	98,073	97,076	---	---	93,416	92,796	91,251	81,493	78,525
5	98,108	97,751	96,598	---	---	91,906	90,185	87,149	72,768	68,056
10	97,962	97,590	96,369	---	---	91,308	89,201	85,607	70,508	65,111
15	97,815	97,450	96,172	---	---	90,594	88,088	83,954	68,218	62,384
20	97,573	97,180	95,729	---	---	88,736	85,078	80,154	64,764	59,053
25	97,142	96,754	95,035	---	---	86,198	81,067	75,359	61,430	55,795
30	96,510	96,150	94,114	---	---	83,384	76,816	70,633	58,281	52,773
35	95,628	95,338	92,807	---	---	80,092	72,192	65,857	54,595	49,567
40	94,363	94,137	90,817	---	---	76,084	67,271	61,130	50,568	46,146
45	92,646	92,322	88,001	---	---	71,157	61,365	56,230	45,947	42,279
50	90,304	89,563	84,168	---	---	64,885	54,920	50,780	40,886	37,681
55	86,875	85,653	79,177	---	---	57,314	47,074	44,742	35,415	33,124
60	81,926	80,293	72,820	---	---	48,928	38,761	37,954	28,908	27,524
65	74,900	73,266	64,716	---	---	40,504	30,852	31,044	22,302	21,995
70	66,281	64,729	54,873	---	---	32,354	23,341	24,107	15,871	16,140
75	55,664	53,831	43,193	---	---	24,502	16,576	17,216	10,657	11,066
80	43,083	41,686	31,756	---	---	17,039	10,822	11,151	6,324	6,708
85	27,909	28,004	21,358	---	---	10,622	6,033	5,972	3,029	3,567

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 1988—Con.

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

Age, race, and sex	Average number of years of life remaining (e <sub>x</sub> )									
	1988	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>ALL OTHER, FEMALE</b>										
0	75.1	74.00	69.05	68.47	62.70	55.51	---	---	---	---
1	75.1	74.31	70.01	68.10	64.37	58.47	---	---	---	---
5	71.3	70.53	66.34	64.54	60.93	55.47	---	---	---	---
10	66.4	65.64	61.49	59.72	56.17	50.83	---	---	---	---
15	61.5	60.73	56.60	54.85	51.36	46.22	---	---	---	---
20	56.7	55.88	51.85	50.07	46.77	42.14	---	---	---	---
25	51.9	51.11	47.19	45.40	42.35	38.31	---	---	---	---
30	47.1	46.39	42.61	40.83	38.02	34.52	---	---	---	---
35	42.5	41.72	38.14	36.41	33.82	30.83	---	---	---	---
40	37.9	37.16	33.87	32.16	29.82	27.31	---	---	---	---
45	33.5	32.77	29.80	28.14	26.07	24.00	---	---	---	---
50	29.2	28.59	25.97	24.31	22.67	21.04	---	---	---	---
55	25.1	24.66	22.37	20.89	19.62	18.44	---	---	---	---
60	21.3	20.99	19.02	17.83	16.95	16.14	---	---	---	---
65	17.8	17.44	15.99	15.12	14.54	13.95	---	---	---	---
70	14.5	14.44	13.30	12.46	12.29	11.81	---	---	---	---
75	11.5	11.68	11.06	10.10	10.15	9.80	---	---	---	---
80	8.8	9.17	9.01	7.66	7.66	8.00	---	---	---	---
85	6.8	7.19	7.07	5.44	6.15	6.38	---	---	---	---
<b>BLACK</b>										
0	69.2	68.52	64.11	---	---	53.85	---	---	---	---
1	69.5	68.99	65.27	---	---	57.15	---	---	---	---
5	65.7	65.25	61.62	---	---	54.13	---	---	---	---
10	60.8	60.98	56.79	---	---	49.50	---	---	---	---
15	55.9	55.49	51.94	---	---	44.89	---	---	---	---
20	51.2	50.75	47.34	---	---	40.73	---	---	---	---
25	46.6	46.18	43.00	---	---	36.91	---	---	---	---
30	42.1	41.69	38.70	---	---	33.17	---	---	---	---
35	37.8	37.28	34.48	---	---	29.53	---	---	---	---
40	33.6	32.98	30.46	---	---	26.06	---	---	---	---
45	29.5	28.87	26.65	---	---	22.82	---	---	---	---
50	25.5	25.03	23.11	---	---	19.94	---	---	---	---
55	21.8	21.50	19.83	---	---	17.43	---	---	---	---
60	18.4	18.29	16.83	---	---	15.18	---	---	---	---
65	15.4	15.37	14.16	---	---	13.02	---	---	---	---
70	12.6	12.67	11.77	---	---	10.93	---	---	---	---
75	10.0	10.32	9.89	---	---	8.97	---	---	---	---
80	7.8	8.17	8.20	---	---	7.31	---	---	---	---
85	6.3	6.54	6.54	---	---	5.91	---	---	---	---
<b>BLACK, MALE</b>										
0	64.9	64.10	60.00	---	---	52.26	47.55	47.14	34.05	32.54
1	65.2	64.60	61.24	---	---	55.93	51.08	51.63	42.53	42.46
5	61.4	60.86	57.60	---	---	52.95	48.69	50.18	44.25	45.06
10	56.5	56.01	52.79	---	---	48.34	44.27	45.99	40.65	41.90
15	51.6	51.14	47.96	---	---	43.74	39.83	41.75	36.77	38.26
20	47.0	46.48	43.49	---	---	39.52	35.95	38.36	33.46	35.11
25	42.7	42.09	39.45	---	---	35.72	32.67	35.54	30.44	32.21
30	38.4	37.81	35.40	---	---	32.05	29.45	32.51	27.33	29.25
35	34.3	33.60	31.42	---	---	28.48	26.39	29.54	24.42	26.16
40	30.3	29.51	27.61	---	---	25.06	23.36	26.53	21.57	23.12
45	26.5	25.61	24.03	---	---	21.88	20.59	23.55	18.85	20.09
50	22.8	22.03	20.69	---	---	19.06	17.92	20.47	16.21	17.34
55	19.4	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	10.9	10.94	10.40	---	---	10.11	8.78	9.58	8.00	8.33
75	8.6	8.90	8.76	---	---	8.17	6.99	7.61	6.58	6.60
80	6.8	7.03	7.35	---	---	6.58	5.42	5.83	5.53	5.12
85	5.5	5.61	5.92	---	---	5.34	4.30	4.53	4.48	4.04
<b>BLACK, FEMALE</b>										
0	73.4	72.88	68.32	---	---	55.56	49.51	46.92	37.67	35.04
1	73.6	73.31	69.37	---	---	58.46	52.33	50.39	45.15	43.54
5	69.8	69.54	65.70	---	---	55.40	49.81	48.70	46.42	46.04
10	64.9	64.65	60.85	---	---	50.75	45.33	44.54	42.84	43.02
15	60.0	59.74	55.97	---	---	46.13	40.87	40.36	39.18	39.79
20	55.1	54.90	51.22	---	---	42.04	37.22	37.15	36.14	36.89
25	50.4	50.13	46.57	---	---	38.20	33.93	34.35	32.97	33.90
30	45.7	45.43	42.00	---	---	34.40	30.67	31.48	29.61	30.70
35	41.1	40.79	37.56	---	---	30.83	27.47	28.58	26.44	27.52
40	36.6	36.28	33.32	---	---	27.19	24.30	25.60	23.34	24.37
45	32.2	31.94	29.31	---	---	23.89	21.39	22.61	20.43	21.36
50	28.0	27.84	25.52	---	---	20.95	18.60	19.76	17.65	18.67
55	24.0	24.00	21.97	---	---	18.38	16.27	17.09	14.98	15.88
60	20.3	20.42	18.66	---	---	16.10	14.22	14.69	12.78	13.60
65	16.9	17.13	15.67	---	---	13.95	12.24	12.41	10.82	11.38
70	13.8	14.05	13.02	---	---	11.82	10.38	10.25	9.22	9.62
75	10.9	11.37	10.85	---	---	9.81	8.62	8.37	7.55	7.90
80	8.4	8.95	8.87	---	---	8.02	6.90	6.58	6.05	6.48
85	6.6	7.09	7.00	---	---	6.41	5.48	5.22	5.09	5.10

SECTION 6 - LIFE TABLES - PAGE 18

Table 6-5. Estimated Average Length of Life in Years, by Race and Sex: Death-Registration States, 1900-28, and United States, 1929-88

[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 <sup>1</sup>													
1988	74.9	71.5	78.3	75.6	72.3	78.9	71.2	67.1	75.1	69.2	64.9	73.4	
1987	75.0	71.5	78.4	75.6	72.2	78.9	71.3	67.3	75.2	69.4	65.2	73.6	
1986	74.8	71.3	78.3	75.4	72.0	78.8	71.2	67.2	75.1	69.4	65.2	73.5	
1985	74.7	71.2	78.2	75.3	71.9	78.7	71.2	67.2	75.0	69.5	65.3	73.5	
1984	74.7	71.2	78.2	75.3	71.8	78.7	71.3	67.4	75.0	69.7	65.6	73.7	
1983	74.6	71.0	78.1	75.2	71.7	78.7	71.1	67.2	74.9	69.6	65.4	73.6	
1982	74.5	70.9	78.1	75.1	71.5	78.7	71.0	66.8	75.0	69.4	65.1	73.7	
1981	74.2	70.4	77.8	74.8	71.1	78.4	70.3	66.1	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 <sup>2</sup>	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 <sup>3</sup>	69.9	66.6	73.4	70.8	67.4	74.4	63.7	61.0	66.6	---	---	---	
1962 <sup>3</sup>	70.1	66.9	73.5	70.9	67.7	74.5	64.2	61.6	66.9	---	---	---	
1961	70.2	67.1	73.6	71.0	67.8	74.6	64.5	62.0	67.1	---	---	---	
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3	---	---	---	
1959	69.9	66.8	73.2	70.7	67.5	74.2	63.9	61.3	66.5	---	---	---	
1958	69.6	66.6	72.9	70.5	67.4	73.9	63.4	61.0	65.8	---	---	---	
1957	69.5	66.4	72.7	70.3	67.2	73.7	63.0	60.7	65.5	---	---	---	
1956	69.7	66.7	72.9	70.5	67.5	73.9	63.6	61.3	66.1	---	---	---	
1955	69.6	66.7	72.8	70.5	67.4	73.7	63.7	61.4	66.1	---	---	---	
1954	69.6	66.7	72.8	70.5	67.5	73.7	63.4	61.1	65.9	---	---	---	
1953	68.8	66.0	72.0	69.7	66.8	73.0	62.0	59.7	64.5	---	---	---	
1952	68.6	65.8	71.6	69.5	66.6	72.6	61.4	59.1	63.8	---	---	---	
1951	68.4	65.6	71.4	69.3	66.5	72.4	61.2	59.2	63.4	---	---	---	
1950	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9	---	---	---	
1949	68.0	65.2	70.7	68.8	66.2	71.9	60.6	58.9	62.7	---	---	---	
1948	67.2	64.6	69.9	68.0	65.5	71.0	60.0	58.1	62.5	---	---	---	
1947	66.8	64.4	69.7	67.6	65.2	70.5	59.7	57.9	61.9	---	---	---	
1946	66.7	64.4	69.4	67.5	65.1	70.3	59.1	57.5	61.0	---	---	---	
1945	65.9	63.6	67.9	66.8	64.4	69.5	57.7	56.1	59.6	---	---	---	
1944	65.2	63.6	66.8	66.2	64.5	68.4	56.6	55.8	57.7	---	---	---	
1943	63.3	62.4	64.4	64.2	63.2	65.7	55.6	55.4	56.1	---	---	---	
1942	66.2	64.7	67.9	67.3	65.9	69.4	56.6	55.4	58.2	---	---	---	
1941	64.8	63.1	66.8	66.2	64.4	68.5	53.8	52.5	55.3	---	---	---	
1940	62.9	60.8	65.2	64.2	62.1	66.6	53.1	51.5	54.9	---	---	---	
1939	63.7	62.1	65.4	64.9	63.3	66.6	54.5	53.2	56.0	---	---	---	
1938	63.5	61.9	65.3	65.0	63.2	66.8	52.9	51.7	54.3	---	---	---	
1937	60.0	58.0	62.4	61.4	59.3	63.8	50.3	48.3	52.5	---	---	---	
1936	58.5	56.6	60.6	59.8	58.0	61.9	49.0	47.0	51.4	---	---	---	
1935	61.7	59.9	63.9	62.9	61.0	65.0	53.1	51.3	55.2	---	---	---	
1934	61.1	59.3	63.3	62.4	60.5	64.6	51.8	50.2	53.7	---	---	---	
1933	63.3	61.7	65.1	64.3	62.7	66.3	54.7	53.5	56.0	---	---	---	
1932	62.1	61.0	63.5	63.2	62.0	64.5	53.7	52.8	54.6	---	---	---	
1931	61.1	59.4	63.1	62.6	60.8	64.7	50.4	49.5	51.5	---	---	---	
1930	59.7	58.1	61.6	61.4	59.7	63.5	48.1	47.3	49.2	---	---	---	
1929	57.1	55.8	58.7	58.6	57.2	60.3	46.7	45.7	47.8	---	---	---	

**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, 1929-88—Con.**

[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
<b>DEATH-REGISTRATION STATES</b>												
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	---	---	---

<sup>1</sup> Alaska included in 1959 and Hawaii in 1960.  
<sup>2</sup> Deaths based on a 50-percent sample.  
<sup>3</sup> Figures by race exclude data for residents of New Jersey; see Technical Appendix.



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