Vital Statistics of the United States, 1991

LIFE - TABLES



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

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TABLE: 6	-1	-2	-3	-4	<i>–</i> 5
PAGE:	7	11	12	13	19
ears:	1				
1900–1991					¹ 5
1991 only	1	2	3		
Specified years and 1991			24		
ype of entry:					
Proportion dying $(_nq_{\times})$	1				
Number surviving (I _x)	1	2		4	
Number dying (_n d _x)	1				
Stationary population ($_{n}L_{x}$ and T_{x})	1				
Average remaining lifetime $(\mathring{e}_{\mathbf{x}})$	1		3	4	
Average length of life (\mathring{e}_{o})					5
Characteristics:					
Age by:					
Single years	· [2	3		
5-year intervals	. 1			4	
Race-specific	. 1	2	3	4	5
Sex-race specific	. 1	2	3	4	5
Sex-specific	. 1	2	3	4	5
Total population	. 1	2	3	4	5

¹Entire United States for 1929–91; death-registration States for 1900–28.

²Entire United States for specified years from 1929 to 1991; 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 1991 assumes a hypothetical cohort subject throughout its lifetime to the age-specific death rates prevailing for the actual population in 1991. 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

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5-year age groups and are based on a 10-percent sample of deaths. The final abridged life tables (referred to in this section as "abridged life tables") also contain values by 5-year age groups but are based on a complete count of all reported deaths.

In response to a growing number of requests for postcensal life table values, a series of abridged life tables was initiated in 1945. Available annually since that year, the abridged life tables are based on deaths occurring during the calendar year and on midyear postcensal population estimates provided by the U.S. Bureau of the Census. Refinements in both the techniques for estimating the population and the methods for constructing abridged life tables permit these tables to be prepared in a way that provides reasonably accurate data on current trends in expectation of life and survivorship. Beginning with 1945, abridged life tables have been constructed by reference to a standard table (3). Methodology developed by Greville was used in constructing life tables for 1945-52. Since 1953 a modified method has been employed (4). U.S. life tables for the decennial period 1979-81 are used as the standard table in constructing the 1991 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 $l_{\rm x}$ and $e_{\rm x}$ values by single years of age interpolated from the abridged life tables have been published since 1960.

The demand for information regarding up-to-date life table values was responsible for the introduction of a third series, provisional abridged life tables. Beginning with 1958, provisional abridged life tables have been published, for the total population only, in the "Annual Summary of Births, Marriages, Divorces, and Deaths, United States," Monthly Vital Statistics Report; unpublished provisional life table data by race and sex are also produced annually. Values in these life tables are based on population estimates provided by the U.S. Bureau of the Census and on the estimated number of deaths derived from the Current Mortality Sample (CMS). The CMS consists of onetenth 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.

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, 1990, and 1991

					All d	other	
		White -		Total		Black	
Life table value, period, and age	Total	Male	Female	Male	Female	Male	Female
Expectation of life						-	
At birth:							
1991	75.5	72.9	79.6	67.3	75.5	64.6	73.8
1990	75.4	72.7	79.4	67.0	75.2	64.5	73.6
1979–81	73.88	70.82	78.22	65.63	74.00	64.10	73.88
1969–71	70.75	67.94	75.49	60.98	69.05	69.00	68.32
1959–61	69.89	67.55	74.19	61.48	66.47		
1900–1902	49.24	48.23	51.08			32.54	35.04
At age 1 year:							
1991	75.2	72.5	79.1	67.4	75.5	64.9	73.9
1990	75.1	72.3	78.9	67.2	75.3	65.8	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:							
1991	56.8	54.1	60.4	49.3	57.0	46.9	55.4
1990	56.6	54.0	60.3	49.0	56.8	46.7	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:							
1991	17.4	15.4	19.2	14.3	17.9	13.4	17.2
1990	17.2	15.2	19.1	14.0	17.8	13.2	17.2
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

Life table values

The data used to prepare the abridged U.S. life tables for 1991 are the final mortality statistics and the July 1, 1991, population estimates 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, 1990, and 1991 are shown in tables A and B.

Expectation of life—The most frequently used life table statistic is life expectancy (e_x), which is the average number of years of life remaining for persons who have attained a given age (x). Life expectancy and other life table values at specified ages in 1991 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 1991 for the total population was 75.5 years. This represents the average number of years that the members of the life table cohort may expect to live at the time of birth (tables A and 6-1).

Survivors to specified ages—Another way of assessing the longevity of the life table cohort is by determining the proportion who survive to specified ages. The lx column provides the data for computing the proportion. For instance, for the total

population, 79,784 out of the original 1991 life table cohort of 100,000 (or 79.8 percent) were alive at exact age 65 (tables B and 6-2).

Median length of life—In addition to determining the proportion alive at a specified age, one can also compute the median age at death, the age at which exactly half the cohort (50,000 persons) still remain alive and half have died. For example, in 1991 the median age at death for the total population was 79.2 years (table B).

Trends and comparisons

In 1991 the life expectancy at birth reached a record high of 75.5 years. This continued the general upward trend in life expectancy in the United States.

The expectation of life at birth for 1991 represents the average number of years that a group of infants born in 1991 would expect to live if the infants were to experience throughout their life the age-specific death rates prevailing in 1991. In 1991 life expectancy at birth for females was 78.9 years compared with 72.0 years for males; both figures represent increases over 1990. The difference in life expectancy between the sexes was 6.9 years in 1991, smaller than the difference of

Table B. Percent surviving from birth to selected ages, and median age at death, by race and sex: Death-registration States, 1900–1902, and United States, 1959–61, 1969–71, 1979–81, 1990, and 1991

					All other					
		V	Vhite	7	Total	E	Black			
Life table value, period, and age	Total	Male	Female	Male	Female	Male	Female			
Percent surviving from birth										
o age 1 year:										
1991	99.1	99.2	99.4	98.3	98.6	98.1	98.4			
1990	99.1	99.1	99.3	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			
o age 20 years:										
1991	98.3	98.2	98.8	96.7	97.9	96.2	97.7			
1990	98.2	98.1	98.8	96.8	97.9	96.3	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			
o age 65 years:										
1991	79.8	76.3	86.5	63.4	78.8	57.5	75.5			
1990	79.6	76.0	86.4	62.7	78.3	57.1	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			
ledian age at death:										
1991	79.2	76.4	82.9	71.2	79.5	68.5	77.7			
1990	79.0	76.2	82.8	70.9	79.3	68.3	77.6			
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					
19001902	58.4	57.2	60.6			29.8	34.3			

7.0 years in 1990. Historically, the difference in life expectancy between the sexes has narrowed since 1979, in contrast to widening from 1900 to 1972. The difference was 6.8 years in 1989 compared with 7.1 years in 1984, 7.8 years in 1975, 7.7 years and 7.8 years throughout the period 1972–79, 6.5 years in 1960, and 2.0 years in 1900.

Between 1990 and 1991, life expectancy for the white population increased from 76.1 years to a record high of 76.3 years, and for the black population from 69.1 years to 69.3 years. Although the difference in life expectancy between the black and white population narrowed from 7.6 years in 1970 to 5.7 years in 1982, it increased to 7.1 years in 1989 before declining to 7.0 years in 1990 and 1991.

Among the four race-sex groups (white males and females; black males and females), white females continued to have the highest life expectancy at birth (79.6 years), followed by black females (73.8 years), white males (72.9 years), and black males (64.6 years) (table A). Between 1990 and 1991, life expectancy increased for black males (from 64.5 years in 1990 to 64.6 years in 1991) and for black females (from 73.6 years in 1990 to 73.8 years in 1991). Between 1984 and 1989, life expectancy for black males declined every year and, although life expectancy for black males increased between 1990 and 1991, it is still 0.7 years below the peak life expectancy of 65.3 years attained in 1984. Before 1988, life expectancy for black females fluctuated,

but life expectancy for black females increased from 1988 to 1991. Between 1985 and 1991, life expectancy at birth increased each year for white males; for white females, it increased for 5 of the 6 years; for black females, for 3 of the 6 years; and for black males, for only 2 of the 6 years (table C). Overall, the largest gain in life expectancy between 1980 and 1991 was for white males (2.2 years), followed by white females (1.5 years), black females (1.3 years), and black males (0.8 years).

The 1991 life table can be used to compare life expectancies at any age from birth onward. For example, a person who has reached age 65 years may look forward to living to an older age, on the average, than one who has reached 50 years. On the basis of mortality experienced in 1991, a person aged 50 years could expect to live an average of 29.2 more years for a total of 79.2 years, and a person aged 65 years could expect to live an average of 17.4 more years for a total of 82.4 years (table A).

Life expectancy differences between males and females widened for many years after the beginning of the century, but recently the differences have narrowed for the white population and have widened for the black population (table D). For the white population the difference between males and females increased from 2.9 years in 1900–1902 to 7.6 years by 1969–71; the difference has narrowed to 6.7 years for 1988–91. For the black population, the difference increased from 2.5 years in

Table C. Average annual change in life expectancy at birth in years by race and sex: United States, 1900–1902 to 1969–71, 1969–71 to 1979–81, 1979–81 to 1984, 1984 to 1985, 1985 to 1986, 1986 to 1987, 1987 to 1988, 1988 to 1989, 1989 to 1990, and 1990 to 1991

	V	Vhite	Black	
Period	Male	Female	Male	Female
990 to 1991	+0.2	+0.2	+0.1	+0.2
989 to 1990 ¹	+0.2	+0.2	+0.2	+0.3
988 to 1989 ¹	+0.3	+0.3	-0.1	+0.1
987 to 1988 ¹	+0.1	-	-0.3	-0.2
986 to 1987 ¹	+0.2	+0.1	-0.1	_
985 to 1986 ¹	+0.1	+0.1	-0.2	_
984 to 1985 ¹	_	_	-0.3	-0.2
979–81 to 1984 ¹	+0.3	+0.1	+0.4	+0.2
69–71 to 1979–81	+0.3	+0.3	+0.4	+0.5
900–1902 to 1969–71	+0.3	+0.4	+0.4	+0.5

¹ Life table values for 1981-89 are revised and, therefore, may differ from those published in Vital Statistics of the United States, 1989 Life Tables, Volume II, Section 6 and earlier years.

1900–1902 to 8.8 years by 1979–81; it narrowed to 8.3 years by 1984, and increased to 9.2 years in 1991.

Technical appendix

The geographic areas covered in life tables before 1929–31 were limited to the death-registration areas. Life tables for 1900–1902 and 1909–11 were constructed using mortality data from the 1900 death-registration States (10 States and the District of Columbia) and for 1919–21 from the 1920 death-registration States (34 States and the District of Columbia). The tables for 1929–31 through 1958 cover the conterminous United States. Decennial life table values for the 3-year period 1959–61 were derived from data which include both Alaska and Hawaii for each year (table 6-4). Data for each year shown in table 6-5 include Alaska beginning in 1959 and Hawaii beginning in 1960. However, it is not believed that the inclusion of these two States materially affects life table values.

Revised life table values, 1961–89—Life table values for 1960–69, 1970–79, and 1980–89 are constructed using the U.S. decennial life tables for 1959–61, 1969–71, and 1979–81, respectively, as the standard tables. The life table values for 1981–89 appearing in this publication are based on revised intercensal estimates of the populations for those years. As a result, the life table values for 1981–89 may differ from the life table values for those years published in Vital Statistics of the United States for 1989 and earlier years.

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

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

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

Years		Race and sex
1900-45		Total
190047	••••••	Male
1900-47		Female
1900-50		White
1900-44		White male
1900-44		White female
1900–50		All other
1900-44		All other male
1900-44		All other female

Population bases for computing life tables

The population used for computing life table values in this section (furnished by the U.S. Bureau of the Census) represents the resident population of the United States. The populations used for computing the 1991 life table values are based on the July 1, 1991, population estimates that are consistent with the 1990 census (6). The 1990 census counts by race and age were modified. Race was modified to be consistent with the Office of Management and Budget categories and historical categories for mortality data. The modification procedures for race and age are described in the census report (7).

Life table values in this report for 1981-89 are based on revised populations that are consistent with the 1990 census level (6). They are, therefore, not comparable with rates published in the previous years.

Explanation of the columns of the life table

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

Table D. Differences in life expectancy at birth between males and females by race; and between white and black persons by sex: Death-registration States, 1900–1902, and United States, 1959–61, 1969–71, 1979–81, 1984, 1985, 1986, 1987, 1988, 1989, 1990, and 1991

	Femal	e-Male	White-Black		
Period	White	Black	Male	Female	
91	6.7	9.2	8.3	5.8	
90	6.7	9.1	8.2	5.8	
891	6.7	9.0	8.2	5.9	
881	6.7	8.8	7.8	5.7	
871	6.8	8.7	7.4	5.5	
861	6.9	8.6	7.1	5.4	
851	6.9	8.4	6.8	5.3	
841	6.9	8.3	6.5	5.1	
79–81	7.40	8.78	6.72	5.34	
69–71	7.55	8.32	7.94	7.17	
59–61	6.64				
00–1902	2.85	2.50	15.69	16.04	

¹Life table values for 1981-89 are revised and, therefore, may differ from those published in Vital Statistics of the United States, 1989 Life Tables, Volume II, Section 6 and earlier years.

Column 2—Proportion dying $(_nq_x)$ —This column shows the proportion of the cohort who are alive at the beginning of an indicated age interval and who will die before reaching the end of that age interval. For example, for males in the age interval 20–25, the proportion dying is 0.00825: Out of every 1,000 males alive and exactly 20 years of age at the beginning of the period, about 8 will die before reaching their 25th birthday. In other words, the $_nq_x$ values represent probabilities that persons who are alive at the beginning of a specific age interval will die before reaching the beginning of the next age interval. The "proportion dying" column forms the basis of the life table. The life table is so constructed that all other columns are derived from it.

Column 3—Number surviving (l_x) —This column shows the number of persons, starting with a cohort of 100,000 live births, who survive to the exact age marking the beginning of each age interval. The l_x values are computed from the ${}_nq_x$ values, which are successively applied to the remainder of the original 100,000 persons still alive at the beginning of each age interval. Thus out of 100,000 male babies born alive, 99,002 will complete the first year of life and enter the second; 8,799 will begin the sixth year; 97,887 will reach age 20; and 22,646 will live to age 85.

Column 4—Number dying $(_nd_x)$ —This column shows the number dying in each successive age interval out of 100,000 live births. Out of 100,000 males born alive, 998 will die in the first year of life; 203 in the succeeding 4 years; 808 in the 5-year period between exact ages 20 and 25, and 22,646 will die after reaching age 85. Each figure in column 4 is the difference between two successive figures in column 3.

Columns 5 and 6—Stationary population ($_{\rm n}L_{\rm x}$ and $T_{\rm x}$)—Suppose that a group of 100,000 individuals like that assumed in columns 3 and 4 is born every year and that the proportions dying in each such group in each age interval throughout the lives of the members are exactly those shown in column 2. If there were no migration and if the births were evenly distributed over the calendar year, the survivors of these births would make up what is called a stationary population—stationary because in such a population the number of persons living in any given age group would never change. When individuals left the group, either by death or by growing

older and entering the next higher age group, their places would immediately be taken by persons entering from the next lower age group. Thus a census taken at any time in such a stationary community would always show the same total population and the same numerical distribution of that population among the various age groups. In such a stationary population supported by 100,000 annual births, column 3 shows the number of persons who, each year, reach the birthday that marks the beginning of the age interval indicated in column 1, and column 4 shows the number of persons who die each year in the indicated age interval.

Column 5 shows the number of persons in the stationary population in the indicated age interval. For example, the figure given for males in the age interval 20–25 years is 487,459. This means that in a stationary population of males supported by 100,000 annual births and with proportions dying in each age group always in accordance with column 2, a census taken on any date would show 487,459 persons between exact ages 20 and 25 years.

Column 6 shows the total number of persons in the stationary population (column 5) in the indicated age interval and all subsequent age intervals. For example, in the stationary population of males referred to in the last illustration, column 6 shows that there would be at any given moment a total of 5,231,352 persons who have passed their 20th birthday. The male population at all ages 0 and above (the total male population of the stationary community) would be 7,203,968.

Column 7—Average remaining lifetime ($^{\circ}e_x$)—The average remaining lifetime (also called expectation of life) at any given age is the average number of years remaining to be lived by those surviving to that age on the basis of a given set of age-specific rates of dying. To arrive at this value, it is first necessary to observe that the figures in column 5 of the life table can also be interpreted in terms of a single life table cohort without introducing the concept of the stationary population. From this point of view, each figure in column 5 represents the total time (in years) lived between two indicated birthdays by all those reaching the earlier birthday among the survivors of a cohort of 100,000 live births. Thus the figure 487,459 for males in the age interval 20–25 is the total number of years lived

between the 20th and 25th birthdays by the 97,887 (column 3) who reached the 20th birthday out of 100,000 males born alive. The corresponding figure 5,231,352 in column 6 is the total number of years lived after attaining age 20 by the 97,887 reaching that age. This number of years divided by the number of persons (5,231,352 divided by 97,887) gives 53.4 years as the average remaining lifetime of males at age 20.

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Symbols Used in Tables	
Data not available	
Category not applicable	
Quantity zero	_
Quantity more than zero but less than 0.05	0.0
Figure does not meet standards of reliability or precision (estimate is based on fewer than 20 events in numerator or denominator)	*

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1991 (Page 1 of 4)

15-20			(Page i	01 4)			
Debathwere the counts agrees Committee Committee	Age interval	Proportion dying	Of 100,000) born alive	Stationary	Average remaining lifetime	
ALL PACES O-1	between two exact ages	alive at beginning of age interval dying	beginning of age	Number dying during age interval	In the age interval	subsequent age	years of life remaining at beginning of
ALL PACES 0-1	(1)	(2)	(3)	(4)	(5)	(6)	(7)
0.000000000000000000000000000000000000	x to x + n	nqx	I _X	ndx	n ^L x	τ _x	e _X
1-10	ALL RACES						
1-10	0-1		100,000	893	99,240	7,553,121	75.5
10-15	5-10	.00187	99,107 98,922			7,453,881	75.2 71.3
28-90	10-15	.00127	98,815	125	493,832	6,563,567	66.4
28-90	15-20	.00442	98,690	436	492,461	6,069,735	61.5
Section Sect	25-30	.00550	98,254 97,714	540 599	489,947 487,071	5,577,274 5.087.327	56.8 52.1
40-46	30-35	.00768	97,115	746	483,754	4,600,256	47.4
45-50	35-40	.00992	96,369	956	479,590	4,116,502	42.7
50-55	40-45		95,413 94,206	1,207	4/4,263 466,917	3,636,912 3,162,649	38.1 33.6
60-95	50-55	.02836	92,431	2,621	456,014	2,695,732	29.2
65-70	55-60		89,810	4,076	439,446	2,239,718	24.9
70-75	65-70	.10184	85,734 79,784	8,125	379,485	1,385,671	17.4
80-85	70-75	.14927	71,659	10,697	332,483	1,006,186	14:0
1,0000 32,496 32,496 200,686 200,686 6.2	75-80	.21599	60,962	13,167		673,703	11.1
MALE 0.00988	80-85		47,795 32,498	15,297 32,498	200,940 200,068	401,008 200,068	8.4 6.2
0-1						,	
1-5		00000	400.000	000	00.440	7.000.000	70.0
5-10	1-5	.00205	99,002	203	395,538	7,104,820	72.0 71.8
15-20	5-10		98,799 98,877	122	493,662	6,709,282	
20-25			-		•		
30-35	20-25	.00825 i	97,887	808	487,459	5,231,352	53.4
35-40	25-30 30-35	.00909		882 1 074	483,166 478,332	4,743,893 4,260,727	48.9 44.3
1,0000 1,00000 1,00000 1,00000 1,00000 1,00000 1,000		1					
50-55 0,9615 89,907 3,250 441,927 2,989,156 26,6 55-60 0,05793 86,657 5,020 421,441 1,947,229 22,5 65-70 0,9898 81,637 7,297 300,884 1,525,788 18.7 65-70 1,9246 64,523 12,418 292,279 766,826 12.2 76-80 2,7612 52,105 14,387 224,885 494,547 9.5 30-951 3,39961 37,718 15,072 150,042 269,862 7.2 85 and over 1,00000 22,646 22,646 119,820 19,820 7.85,269 FEMALE 0-1 0,0783 100,000 733 99,396 7,982,225 78.9 7-5 0,0002 99,050 91 485,002 7,396,221 74.7 10-15 0,0003 90,000 733 99,368 7,792,689 78.5 10-15 0,0003 90,000 783 99,396	40-45	.01722	93,787	1,615	465,177	3,309,951	35.3
55-60 0.5793 86,657 5,020 421,441 1,947,229 22.5 60-85 0.9938 81,637 7,297 390,884 1,525,788 18.7 70-75 1.3205 74,340 9,817 348,078 1,134,904 15.3 70-75 1.9246 64,523 12,418 292,279 786,826 12.2 70-75 1.9246 64,523 12,418 292,279 786,826 12.2 80-85 2.7612 52,105 14,387 224,885 494,547 9.5 80-85 3.98961 37,718 15,072 150,042 286,862 7.2 85 and over 1.00000 22,646 119,820 119,820 5.3 FEMALE 0-1 0.0783 100,000 763 99,336 7,892,025 78.9 1-5 0.0168 99,217 167 396,488 7,792,689 76.5 10-15 0.0090 99,559 89 494,603 6,901,219	45-50 50-55	.02457	92,172	2,265 3,250	455,618 441 927	2,844,774 2,389,156	30.9 26.6
60-65 0,8938 81,697 7,297 390,884 1,525,788 18,7 65-70 13205 74,340 9,817 348,078 1,134,904 152,3 70-75 13246 64,523 12,418 292,279 786,826 122 75-80 27612 52,105 14,387 224,885 494,547 9,5 80-85 39961 37,718 15,0042 269,862 7.2 85 and over 1,00000 22,646 22,648 119,820 119,820 53 FEMALE 0-1 0,00783 100,000 783 99,336 7,892,025 78,9 5-10 0,0168 99,217 167 396,488 7,792,689 78,5 5-10 0,0092 99,050 91 495,002 7,396,221 74,7 10-15 0,0093 98,959 89 494,603 6,901,219 69,7 15-20 0,0226 96,877 233 493,804 6,406,616 64,8 20-25 0,0262 96,637 258 492,552		1			-		
70-75	60-65	08938	81,637	7,297	390,884	1,525,788	18.7
75-80	70-75	.13205 .192 4 6	74,340 64,523		348,078 292,279	1,134,904 786,826	15.3 12.2
80-45	75-80	27612	-	14 387		494 547	9.5
FEMALE 0-1	80-85	39961	37,718	15,072	150,042	269,862	7.2
0-1 .00783 100,000 783 99,336 7,892,025 78.9 1-5 .00168 99,217 167 396,488 7,792,689 76.5 5-10 .00092 99,050 91 495,002 7,396,221 74.7 10-15 .00090 98,959 89 494,603 6,901,219 69.7 15-20 .00236 98,870 233 493,804 6,406,616 64.8 20-25 .00262 98,637 258 492,552 5,912,812 59.9 25-30 .00214 96,379 309 491,138 5,420,260 55.1 30-35 .00314 96,379 309 491,138 5,420,260 55.1 35-40 .00584 97,653 570 486,941 4,439,766 45.5 40-45 .00818 97,083 794 483,577 3,952,825 40.7 45-50 .001330 96,289 1,281 478,475 3,469,248 36.0		1.0000	22,040	22,040	119,020	119,020	5.3
1-5 00168 99,217 167 396,488 7,792,689 76.5 5-10 00092 99,050 91 495,002 7,396,221 74.7 10-15 00090 98,959 89 494,603 6,901,219 69.7 15-20 00236 96,870 233 493,804 6,406,616 64.8 20-25 00262 96,837 258 492,552 5,912,812 59.9 25-30 00314 99,379 309 491,138 5,420,260 55.1 30-35 00425 98,070 417 489,356 4,925,122 50.3 35-40 00584 97,653 570 486,941 4,439,766 45.5 40-45 0.0818 97,083 794 483,577 3,952,825 40.7 45-50 0.01330 96,289 1,281 478,475 3,469,248 36.0 50-55 0.02095 95,008 1,990 470,374 2,990,773 31.5 55-60 0.0371 93,018 3,136 457,712 2,520,399 27.1 60-65 0.0569 85,249 6,538 410,756 1,624,185 19.1 70-75 0.7669 85,2						į	
10-15 .00090 98,959 89 494,603 6,901,219 69.7 15-20 .00236 98,870 233 493,804 6,406,616 64.8 20-25 .00262 98,637 258 492,552 5,912,812 59.9 25-30 .00314 98,379 309 491,138 5,402,660 55.1 30-35 .00425 98,070 417 489,356 4,929,122 50.3 35-40 .00584 97,653 570 486,941 4,439,766 45.5 40-45 .00818 97,083 794 483,577 3,952,825 40.7 45-50 .01330 96,289 1,281 478,475 3,469,248 36.0 50-55 .02095 95,008 1,990 470,374 2,990,773 31.5 55-60 .0371 93,018 3,136 457,712 2,520,399 22.1 66-70 .07669 85,249 6,538 410,756 1,624,185 19.1		.00783	100,000	783	99,336	7,892,025	78.9
15-20 00236 98,870 233 493,804 6,406,616 64.8 20-25 00262 98,637 258 492,552 5,912,812 59.9 25-30 00314 98,379 309 491,138 5,420,260 55.1 30-35 00425 98,070 417 489,356 4,929,122 50.3 35-40 0.0584 97,653 570 486,941 4,439,766 45.5 40-45 0.0818 97,083 794 483,577 3,952,825 40.7 45-50 0.01330 96,289 1,281 478,475 3,469,248 36.0 50-55 0.02095 95,008 1,990 470,374 2,990,773 31.5 55-60 0.03371 93,018 3,136 457,712 2,520,399 27.1 60-65 0.05154 89,882 4,633 436,502 2,062,687 22.9 65-70 0.7669 85,249 6,538 410,756 1,624,185 19.1	5-10	.00092	99,050	91	495,002	7,396,221	74.7
25-30 .00314 96,379 309 491,138 5,420,260 55.1 30-35 .00425 96,070 417 489,356 4,929,122 50.3 35-40 .00584 97,653 570 486,941 4,439,766 45.5 40-45 .00818 97,083 794 483,577 3,952,825 40.7 45-50 .01330 96,289 1,281 478,475 3,469,248 36.0 50-55 .02395 95,008 1,990 470,374 2,990,773 31.5 55-60 .03371 93,018 3,136 457,712 2,520,399 27.1 60-65 .05154 89,882 4,633 438,502 2,062,687 22.9 65-70 .07669 85,249 6,538 410,756 1,624,185 19.1 70-75 .11533 78,711 9,093 371,990 1,213,429 15.4 80-85 .27364 57,486 15,730 249,203 522,247 9,1 <td>10-15</td> <td>.00090</td> <td>98,959</td> <td>89</td> <td>494,603</td> <td>6,901,219</td> <td>69.7</td>	10-15	.00090	98,959	89	494,603	6,901,219	69.7
25-30 .00314 96,379 309 491,138 5,420,260 55.1 30-35 .00425 96,070 417 489,356 4,929,122 50.3 35-40 .00584 97,653 570 486,941 4,439,766 45.5 40-45 .00818 97,083 794 483,577 3,952,825 40.7 45-50 .01330 96,289 1,281 478,475 3,469,248 36.0 50-55 .02395 95,008 1,990 470,374 2,990,773 31.5 55-60 .03371 93,018 3,136 457,712 2,520,399 27.1 60-65 .05154 89,882 4,633 438,502 2,062,687 22.9 65-70 .07669 85,249 6,538 410,756 1,624,185 19.1 70-75 .11533 78,711 9,093 371,990 1,213,429 15.4 80-85 .27364 57,486 15,730 249,203 522,247 9,1 <td>15-20</td> <td></td> <td>98,870</td> <td>233</td> <td>493,804</td> <td>6,406,616</td> <td>64.8</td>	15-20		98,870	233	493,804	6,406,616	64.8
30-35	25-30	.00314	98,379	309	491,138	5,420,260	55.1
50-55 .02095 95,008 1,990 470,374 2,990,773 31.5 55-60 .03371 93,018 3,136 457,712 2,520,399 27.1 60-65 .05154 89,882 4,833 438,502 2,062,687 22.9 .07669 85,249 6,538 410,756 1,624,185 19.1 70-75 .11553 78,711 9,093 371,990 1,213,429 15.4 75-80 .17427 69,618 12,132 319,192 841,439 12.1 80-85 .27364 57,486 15,730 249,203 522,247 9.1	30-35	.00425	98,070	417	489,356	4,929,122	50.3
50-55 .02095 95,008 1,990 470,374 2,990,773 31,5 55-60 .03371 93,018 3,136 457,712 2,520,399 27,1 60-65 .05154 89,882 4,833 438,502 2,062,687 22,9 65-70 .07669 85,249 6,538 410,756 1,624,185 19,1 70-75 .11553 78,711 9,093 371,990 1,213,429 15,4 75-80 .17427 69,618 12,132 319,192 841,439 12,1 80-85 .27364 57,486 15,730 249,203 522,247 9,1	35-40		97,653	570	486,941	4,439,766	
50-55 .02095 95,008 1,990 470,374 2,990,773 31,5 55-60 .03371 93,018 3,136 457,712 2,520,399 27,1 60-65 .05154 89,882 4,833 438,502 2,062,687 22,9 65-70 .07669 85,249 6,538 410,756 1,624,185 19,1 70-75 .11553 78,711 9,093 371,990 1,213,429 15,4 75-80 .17427 69,618 12,132 319,192 841,439 12,1 80-85 .27364 57,486 15,730 249,203 522,247 9,1	45-50	.01330	96,289	1,281	478,475	3,469,248	36.0
60-65 0.5154 89,882 4,833 439,502 2,062,687 22,9 65-70 0.7669 85,249 6,538 410,756 1,624,185 19.1 70-75 1.1553 78,711 9,093 371,990 1,213,429 15.4 75-80 1.7427 69,618 12,132 319,192 841,439 12.1 80-85 27364 57,486 15,730 249,203 522,247 9.1	50-55	.02095	95,008	1,990	470,374	2,990,773	31.5
65-70	55-60		93,018	3,136	457,712	2,520,399	27.1
70-75	65-70	.07669	85,249	6.538	410,756	1,624,185	19.1
80-85	70-75	.11553	78,711	9,093	371,990	1,213,429	15.4
85 and over	75-80	.17427	69,618	12,132	319,192	841,439	12.1
<u> </u>	85 and over	1.00000	57,486 41,756	15,/30 41,756	249,203 273,044	522,247 273,044	9.1 6.5
		L			-		

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1991—Con. (Page 2 of 4)

		(гауо г	01 -7)			
Age interval	e interval Proportion dying Of 100,000 born alive Stationary population					
Period of life between two exact ages stated in years, race, and sex	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age Intervals	Average remaining lifetime Average number of years of life remaining at beginning of age interval
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to x + n	nqx	ı _x	n ^d x	n ^L x	T _X	e e _x
WHITE						
0-1		100,000	728 164	99,382	7,629,437 7,530,055	76.3
1-5	.00165 .00099	99,272 99,108	164 98	396,704 495,273	7,530,055 7,133,351	76.3 75.9 72.0 67.0
10-15	.00119	99,010	118	494,825	6,638,078	67.0
15-20	.00400 .00476	98,892 98,496	396 469	493,558 491,322	6,143,253 5,649,695	62.1 57.4
25-30	.00524 .00662	98,027 97,513	514 646	488,836 485,986	5,158,373 4,669,537	52.6 47.9
35-40	.00844	-		•		
40-45	.01098	96,867 96,049	818 1,055	482,408 477,802	4,183,551 3,701,143	43.2 38.5
45-50 50-55	.01687 .02582	94,994 93,391	1,603 2,411	471,276 461,331	3,223,341 2,752,065	33.9 29.5
55-60	.04240	90,980	3,858	445,844	2,290,734	25.2
60-65 65-70	.06630 .09834	87,122 81,346	5,776 8,000	421,996 387,647	1,844,890 1,422,894	21.2 17.5
70-75	.14604	73,346	10,711	340,940	1,035,247	14.1
75-80 80-85	.21379 .31827	62,635 49,244	13,391 15,673	280,588 207,295	694,307 413,719	11.1 8.4
85 and over	1.00000	33,571	33,571	206,424	206,424	6.1
WHITE, MALE						
0-11-5	.00824 .00180	100,000 99,176	824 179	99,301 396,290	7,293,053 7,193,752	72.9 72.5
5-10	.00113 .00151	98,997 98,885	112 149	494,679 494,159	6,797,462 6,302,783	68.7 63.7
15-20	.00557	98,736	550		5,808,624	58.8
20-25	.00709	98,186 97,490	696	492,443 489,213	5,316,181	54.1
25-30 30-35	.00777 .00971	96,733	757 939	485,521 481,340	4,826,968 4,341,447	49.5 44.9
35-40	.01204	95,794	1,153	476,236	3,860,107	40.3
40-45	.01496 .02189	94,641 93,225	1,416 2,041	469,924 461,431	3,383,871 2,913,947	35.8 31.3
50-55	.03285	91,184	2,995	448,942	2,452,516	26.9
55-60	.05399 .08553	88,189 83,428	4,761 7,136	429,763 400,284	2,003,574 1,573,811	22.7 18.9
65-70 70-75	.12784 .18888	76,292 66,539	9,753 12,568	358,063 302,058	1,173,527 815,464	15.4 12.3
75-80	.27403	53,971	14,790	233,060	513,406	9.5
80-85 and over	.39834 1.00000	39,181 23,574	15,607 23,574	155,987 124,359	280,346 124,359	9.5 7.2 5.3
WHITE, FEMALE				,,===	,	
0-1	.00628	100,000	628	99 467	7,955,726	79.6
1-5 5-10	.00149 .00085	99,372 99,224	628 148 84	99,467 397,132 495,893	7,856,259 7,459,127	79.1 75.2
10-15	.00086	99,140	85	495,520	6,963,234	70.2
15-20	.00233	99,055	231	494,733	6,467,714	65.3
20-25 25-30	.00231 .00264	98,824 98,596	228 260	493,554 492,340	5,972,981 5,479,427	60.4 55.6
30-35	.00349	98,336	343	490,861	4,987,087	50.7
35-4040-45	.00483 .00701	97,993 97,520	473 684	488,864 486,020	4,496,226 4,007,362	45.9 41.1
45-5050-55	.01193 .01902	96,836 95,681	1,155 1,820	481,513 474,153	3,521,342 3,039,829	36.4 31.8
55-60	.03146	93,861	2,953	462,379	2,565,676	27.3
60-65 65-70	.04880 .07353	90,908 86,472	4,436 6,358	444,127 417,344	2,103,297 1,659,170	23.1 19.2
70-75	.11229	80,114	8,996	379,296	1,241,826	15.5
75-80	.17175	71,118	12,215	326,598	862,530	12.1
80-85	.27176	58,903	16,007	255,687	535,932	9.1

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1991—Con. (Page 3 of 4)

(Page 3 of 4)									
Age interval	Proportion dying	Of 100,000) born alive	Stationary	Average remaining lifetime				
Period of life between two exact ages stated in years, race, and sex	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	in this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval			
(1)	(2)	(3)	(4)	(5)	(6)	(7)			
x to x + n	n ^q x	/ _x	n ^d x	n ^L x	T _X	ê _X			
ALL OTHER						74.5			
0-1 1-5 5-10 10-15	0.01509 .00267 .00143 .00159	100,000 98,491 98,228 96,088	1,509 263 140 158	98,709 393,347 490,753 490,113	7,145,577 7,046,868 6,653,521 6,162,768	71.5 71.5 67.7 62.8			
15-20	.00611 .00872 .01025 .01299	97,932 97,334 96,485 95,496	598 849 989 1,240	488,332 484,668 480,024 474,487	5,672,655 5,184,323 4,699,655 4,219,631	57.9 53.3 48.7 44.2			
35-40	.01734 .02202 .03068 .04380	94,256 92,622 90,582 87,803	1,634 2,040 2,779 3,846	467,417 458,319 446,384 429,883	3,745,144 3,277,727 2,819,408 2,373,024	39.7 35.4 31.1 27.0			
55-60 60-65 65-70 70-75	.06453 .09181 .12937 .17737	83,957 78,539 71,328 62,100	5,418 7,211 9,228 11,015	406,795 375,266 334,137 283,485	1,943,141 1,536,346 1,161,080 826,943	23.1 19.6 16.3 13.3			
75-80	.23652 .33874 1.00000	51,085 39,002 25,790	12,083 13,212 25,790	225,362 161,740 156,356	543,458 318,096 156,356	10.6 8.2 6.1			
ALL OTHER, MALE					a = ==	07.0			
0-1	.00296 .00164	100,000 98,346 98,055 97,894	1,654 291 161 205	98,573 392,711 489,831 489,060	6,726,489 6,627,916 6,235,205 5,745,374	67.3 67.4 63.6 58.7			
15-20	.01354	97,689 96,741 95,431 93,952	948 1,310 1,479 1,770	486,370 480,628 473,550 465,453	5,256,314 4,769,944 4,289,316 3,815,766	53.8 49.3 44.9 40.6			
35-40	.03081 .04179	92,182 89,890 87,120 83,479	2,292 2,770 3,841 4,803	455,441 442,910 427,033 405,947	3,350,313 2,894,872 2,451,962 2,024,929	36.3 32.2 28.1 24.3			
55-60 80-65 85-70	.11958	78,676 71,960 63,355 52,774	6,716 8,605 10,581 11,901	377,158 338,858 290,686 234,268	1,618,982 1,241,824 902,966 612,280	20.6 17.3 14.3 11.6			
75-80	.29614 .41200 1.00000	40,873 28,769 16,916	12,104 11,853 16,916	173,823 113,494 90,695	378,012 204,189 90,695	9.2 7:1 5.4			
ALL OTHER, FEMALE		400.000	4.050	00.050	7,548,067	75.5			
0-1 1-5 5-10 10-15	.01358 .00238 .00121 .00106	100,000 98,642 98,407 98,288	1,358 235 119 104	98,850 394,007 491,706 491,206	7,349,007 7,449,217 7,055,210 6,563,504	75.5 75.5 71.7 66.8			
15-20	.00243 .00396 .00536 .00772	98,184 97,945 97,557 97,034	239 388 523 749	490,372 488,809 486,533 483,394	6,072,298 5,581,926 5,093,117 4,606,584	61.8 57.0 52.2 47.5			
35-40	.01070 .01434 .02107 .03202	96,285 95,255 93,889 91,911	1,030 1,366 1,978 2,943	479,028 473,092 464,818 452,591	4,123,190 3,644,162 3,171,070 2,706,252	42.8 38.3 33.8 29.4			
55-60 60-65 65-70 70-75	.04736 .07010 .10057 .14303	88,968 84,754 78,813 70,887	4,214 5,941 7,926 10,139	434,821 409,541 374,971 329,941	2,253,661 1,818,840 1,409,299 1,034,328	25.3 21.5 17.9 14.6			
75-80	.19722 .29284 1.00000	60,748 48,767 34,486	11,981 14,281 34,486	274,346 208,379 221,662	704,387 430,041 221,662	11.6 8.8 6.4			

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1991—Con. (Page 4 of 4)

		(Fage 4	· .,			
Age interval	Proportion dying	Of 100,000) born alive	Stationary	population	Average remaining lifetime
Period of life between two exact ages stated in years, race, and sex	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to x + n	n ^q x	/x	nd×	υ۲×	· 7 _X	ê _x
BLACK						
0-1 1-5 5-10 10-15	.00305 .00160	100,000 98,243 97,943 97,786	1,757 300 157 178	98,486 392,268 489,279 488,552	6,925,567 6,827,081 6,434,813 5,945,534	69.3 69.5 65.7 60.8
15-20 20-25 25-30 30-35	.01042 .01235	97,608 96,922 95,912 94,727	686 1,010 1,185 1,519	486,521 482,246 476,704 469,980	5,456,982 4,970,461 4,488,215 4,011,511	55.9 51.3 46.8 42.3
35-40	.02153	93,208	2,007	461,483	3,541,531	38.0
40-45	.02750	91,201	2,508	450,105	3,080,048	33.8
45-50	.03801	88,693	3,371	435,528	2,629,943	29.7
50-55	.05285	85,322	4,509	415,872	2,194,415	25.7
55-60	.07599	80,813	6,141	389,296	1,778,543	22.0
60-65	.10624	74,672	7,933	354,107	1,389,247	18.6
65-70	.14681	66,739	9,798	309,725	1,035,140	15.5
70-75	.19725	56,941	11,232	257,061	725,415	12.7
75-80	.25526	45,709	11,668	199,404	468,354	10.2
	.35779	34,041	12,180	139,400	268,950	7.9
	1.00000	21,861	21,861	129,550	129,550	5.9
BLACK, MALE						
0-1	.01939	100,000	1,939	98,317	6,461,583	64.6
1-5	.00338	98,061	331	391,478	6,363,266	64.9
5-10	.00182	97,730	178	488,157	5,971,788	61.1
10-15	.00240	97,552	234	487,282	5,483,631	56.2
15-20	.01137	97,318	1,107	484,173	4,996,349	51.3
20-25	.01646	96,211	1,584	477,361	4,512,176	46.9
25-30	.01884	94,627	1,783	468,819	4,034,815	42.6
30-35	.02351	92,844	2,183	458,930	3,565,996	38.4
35-40	.03121	90,661	2,830	446,541	3,107,068	34.3
	.03888	87,831	3,415	431,071	2,660,525	30.3
	.05275	84,416	4,453	411,552	2,229,454	26.4
	.07096	79,963	5,674	386,239	1,817,902	22.7
55-60	.10168	74,289	7,554	353,134	1,431,663	19.3
60-65	.13858	66,735	9,248	311,064	1,078,529	16.2
65-70	.18981	57,487	10,912	260,436	767,465	13.4
70-75	.25303	46,575	11,785	203,426	507,029	10.9
75-80	.32367	34,790	11,260	145,355	303,603	8.7
	.44166	23,530	10,392	90,862	158,248	6.7
	1.00000	13,138	13,138	67,386	67,386	5.1
BLACK, FEMALE						
0-1	.01570	100,000	1,570	98,659	7,375,233	73.8
1-5	.00271	98,430	267	393,079	7,276,574	73.9
5-10	.00139	98,163	136	490,435	6,883,495	70.1
10-15	.00120	98,027	118	489,867	6,393,060	65.2
15-20	.00261	97,909	256	488,962	5,903,193	60.3
	.00461	97,653	450	487,211	5,414,231	55.4
	.00642	97,203	624	484,531	4,927,020	50.7
	.00944	96,579	912	480,737	4,442,489	46.0
35-40	.01308	95,667	1,251	475,417	3,961,752	41.4
40-45	.01760	94,416	1,662	468,207	3,486,335	36.9
45-50	.02553	92,754	2,368	458,224	3,018,128	32.5
50-55	.03789	90,386	3,425	443,812	2,559,904	28.3
55-80	.05512	86,961	4,793	423,381	2,116,092	24.3
60-85	.08097	82,168	6,653	394,842	1,692,711	20.6
65-70	.11425	75,515	8,628	356,733	1,297,869	17.2
70-76	.15825	66,887	10,585	308,785	941,136	14.1
75-80	.21215	56,302	11,944	252,128	632,351	11.2
	.31056	44,358	13,776	187,463	380,223	8.6
	1.00000	30,582	30,582	192,760	192,760	6.3

Table 6-2. Number of Survivors at Single Years of Age, Out of 100,000 Born Alive, by Race and Sex: United States, 1991

	All races			White			All other					
Age								Total			Black	
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
0 1 2 3 4 5 6 7 8	100,000 99,107 99,040 98,991 98,953 98,922 98,896 98,872 98,850 98,850 98,831	100,000 99,002 98,926 98,872 98,832 98,799 98,770 98,743 98,718 98,696	100,000 99,217 99,159 99,114 99,079 99,050 99,026 99,006 98,988 98,973	100,000 99,272 99,213 99,169 99,135 99,108 99,084 99,063 99,043 99,025	100,000 99,176 99,110 99,062 99,026 98,997 98,971 98,947 98,924 98,903	100,000 99,372 99,320 99,280 99,249 99,224 99,203 99,184 99,168 99,153	100,000 98,491 98,396 98,325 98,271 98,228 98,192 98,160 98,132 98,108	100,000 98,348 98,236 98,158 98,101 98,055 98,015 97,978 97,944 97,916	100,000 98,642 98,563 98,499 98,448 98,407 98,374 98,374 98,324 98,305	100,000 98,243 98,135 98,054 97,992 97,943 97,902 97,866 97,835 97,808	100,000 98,061 97,936 97,847 97,782 97,730 97,685 97,644 97,607 97,576	100,000 98,430 98,341 98,269 98,210 98,163 98,125 98,094 98,069 98,047
10	98,627 98,547	98,677 98,682 98,646 98,622 96,581 98,517 98,427 98,313 98,180 98,036	98,959 98,947 98,934 98,919 98,898 98,870 98,834 98,790 98,740 98,688	99,010 98,997 98,983 98,964 98,935 98,892 98,833 98,760 98,676 98,587	98,885 98,869 96,853 98,830 98,793 98,736 98,657 98,557 98,557 98,441 98,316	99,140 99,128 99,116 99,102 99,082 99,055 99,019 98,974 98,924 98,873	98,088 98,072 98,055 98,031 97,992 97,832 97,849 97,743 97,618 97,480	97,894 97,878 97,861 97,833 97,779 97,689 97,559 97,391 97,192 96,973	98,288 98,272 98,255 96,236 96,213 98,184 98,107 98,059 98,005	97,786 97,767 97,748 97,721 97,676 97,608 97,513 97,393 97,251 97,092	97,552 97,534 97,515 97,483 97,421 97,318 97,167 96,973 96,742 96,485	98,027 98,008 97,988 97,966 97,940 97,909 97,872 97,828 97,777 97,719
20	98,254 98,150 98,044 97,936 97,814 97,600 97,485 97,367 97,244	97,887 97,734 97,575 97,412 97,247 97,079 96,910 96,739 96,565 96,385	98,637 98,586 98,536 98,485 98,433 98,379 98,323 98,265 98,204 98,139	98,496 98,405 98,312 98,218 98,123 98,027 97,929 97,830 97,729 97,624	96,186 96,053 97,916 97,776 97,634 97,490 97,345 97,199 97,050 96,895	98,824 98,777 98,732 98,687 98,642 98,596 98,548 98,498 98,447 98,393	97,334 97,179 97,015 96,844 96,667 96,485 96,299 96,109 95,913 95,709	96,741 96,499 96,245 95,981 95,709 95,149 94,861 94,567 94,265	97,945 97,879 97,806 97,728 97,655 97,557 97,465 97,368 97,265 97,154	96,922 96,740 96,546 96,341 96,129 95,912 95,691 95,464 95,230 94,985	96,211 95,921 95,614 95,293 94,963 94,963 94,287 93,942 93,589 93,224	97,653 97,578 97,495 97,404 97,303 97,203 97,094 96,979 96,856 96,723
30	97,115 96,980 96,838 96,689 96,533 96,369 96,195 96,012 95,820 95,620	96,197 96,000 95,795 95,581 95,357 95,123 94,877 94,619 94,350 94,072	98,070 97,997 97,919 97,836 97,753 97,553 97,553 97,445 97,331 97,210	97,513 97,396 97,273 97,144 97,009 96,867 96,718 96,561 96,397 96,226	96,733 96,562 96,382 96,194 95,998 95,794 95,581 95,358 95,126 94,887	98,336 98,275 98,211 98,143 96,070 97,993 97,911 97,822 97,727 97,627	95,496 95,273 95,039 94,793 94,532 94,256 93,962 93,650 93,321 92,978	93,952 93,628 93,292 92,942 92,573 92,182 91,766 91,325 90,863 90,384	97,034 96,904 96,765 96,616 96,485 96,285 96,103 95,908 95,701 95,483	94,727 94,455 94,169 93,867 93,547 93,208 92,847 92,463 92,059 91,638	92,844 92,448 92,035 91,602 91,145 90,661 90,147 89,603 89,032 88,440	96,579 96,422 96,252 96,070 95,875 95,667 95,445 95,209 94,958 94,694
40	95,199 94,975	93,787 93,494 93,191 92,873 92,535 92,172 91,781 91,360 90,907 90,423	97,083 96,948 96,804 96,479 96,478 96,079 95,846 95,590 95,311	96,049 95,864 95,670 95,463 95,239 94,994 94,725 94,431 94,110 93,764	94,641 94,387 94,123 93,844 93,525 92,876 92,498 92,090 91,652	97,520 97,406 97,284 97,150 97,002 96,839 96,649 96,209 95,956	92,622 92,254 91,870 91,486 91,038 90,582 90,095 89,576 89,022 88,432	89,890 89,382 88,856 88,308 87,731 87,120 86,471 85,782 85,053 84,286	95,255 95,015 94,761 94,491 94,201 93,889 93,553 93,190 92,798 92,373	91,201 90,747 90,274 89,777 89,252 88,693 88,097 87,463 86,789 86,076	87,831 87,204 86,556 85,880 85,169 84,416 83,616 82,769 81,876 80,940	94,416 94,123 93,813 93,484 93,132 92,754 92,347 91,910 91,440 90,933
50	92,431 91,991 91,516 90,999 90,433 89,810 89,127 88,381 87,569 86,688	89,907 89,356 88,765 88,125 87,425 86,657 85,815 84,896 83,896 82,811	95,008 94,678 94,319 93,926 93,494 93,018 92,494 91,921 91,296 90,617	93,391 92,990 92,556 92,082 91,559 90,980 90,341 89,640 88,872 88,034	91,184 90,682 90,141 89,552 88,904 88,189 87,401 86,537 85,591 84,556	95,681 95,382 95,056 94,696 94,301 93,861 93,373 92,836 92,247 91,605	87,803 87,134 86,421 85,858 84,839 83,957 83,010 81,995 80,912 79,760	83,479 82,632 81,740 80,792 79,774 78,676 77,494 76,228 74,880 73,456	91,911 91,409 90,866 90,279 89,647 88,968 88,240 87,460 86,623 85,722	85,322 84,525 83,682 82,787 81,833 80,813 79,724 78,566 77,338 76,040	79,963 78,944 77,878 76,755 75,562 74,289 72,932 71,493 69,976 68,388	90,386 89,795 89,159 88,475 87,743 86,961 86,127 85,237 84,285 83,264
60	81,138	81,637 80,371 79,010 77,552 75,996 74,340 72,585 70,729 68,769 66,701	89,882 89,087 88,228 87,304 86,312 85,249 84,112 82,897 81,597 80,204	87,122 86,131 85,059 83,905 82,688 81,346 79,939 78,442 76,850 75,153	83,428 82,203 80,877 79,450 77,922 76,292 74,580 72,723 70,778 68,718	90,908 90,152 89,333 88,448 87,495 86,472 85,374 84,197 82,933 81,575	78,539 77,248 75,896 74,448 72,930 71,328 69,843 67,876 66,029 64,103	71,960 70,394 68,755 67,039 65,240 63,355 61,386 59,337 57,214 55,024	84,754 83,715 82,603 81,416 80,153 78,813 77,396 75,899 74,319 72,649	74,672 73,234 71,724 70,140 68,479 66,739 64,922 63,031 61,068 59,037	66,735 65,020 63,242 61,397 59,479 57,487 55,423 53,293 51,104 48,862	82,168 80,995 79,743 78,412 77,003 75,515 73,950 72,307 70,583 68,777
70	71,659 69,729 67,692 65,550 63,306 60,962 58,519 55,979 53,344 50,615	64,523 62,237 59,848 57,359 54,776 52,105 49,354 46,530 43,642 40,701	78,711 77,114 75,409 73,593 71,664 69,618 67,452 65,161 62,740 60,183	73,346 71,427 69,396 67,253 64,999 62,635 60,164 57,587 54,906 52,124	66,539 64,243 61,834 59,316 56,693 53,971 51,157 48,261 45,292 42,261	80,114 78,546 76,867 75,072 73,157 71,118 68,951 66,651 64,213 61,632	62,100 60,021 57,868 55,653 53,389 51,085 48,747 46,373 43,960 41,504	52,774 50,467 48,110 45,715 43,299 40,873 38,446 36,021 33,600 31,182	70,887 69,029 67,077 65,039 62,927 60,748 58,504 56,191 53,802 51,330	56,941 54,781 52,563 50,300 48,011 45,709 43,400 41,083 38,755 36,409	46,575 44,247 41,886 39,510 37,139 34,790 32,472 30,189 27,939 25,720	66,887 64,911 62,853 60,723 58,536 56,302 54,024 51,699 49,318 46,874
80	47,795 44,888 41,898 38,832 35,696 32,498	37,718 34,705 31,676 28,646 25,630 22,646	57,486 54,644 51,653 48,510 45,212 41,756	49,244 46,271 43,210 40,068 36,852 33,571	39,181 36,066 32,931 29,792 26,667 23,574	58,903 56,022 52,984 49,786 46,424 42,896	39,002 36,451 33,851 31,205 28,516 25,790	28,769 26,362 23,967 21,589 19,235 16,916	48,767 46,108 43,350 40,492 37,536 34,486	34,041 31,648 29,230 26,790 24,331 21,861	23,530 21,371 19,245 17,158 15,119 13,138	44,358 41,765 39,090 36,333 33,496 30,582

Table 6-3. Expectation of Life at Single Years of Age, by Race and Sex: United States, 1991

5	All races White					All other						
Age		14-1-	=					Total			Black	
	Both sexes	Male	Female									
0 1 2 3 4 5 6 7 8 8 9 9	75.5 75.2 74.3 73.3 72.3 71.3 69.4 68.4 67.4	72.0 71.8 70.8 69.9 68.9 67.9 66.9 65.9 65.0 64.0	78.9 78.5 77.6 76.6 75.6 74.7 73.7 72.7 71.7	76.3 75.9 74.9 73.0 72.0 71.0 70.0 69.0 68.0	72.9 72.5 71.6 70.6 69.6 68.7 67.7 66.7 65.7 64.7	79.6 79.1 78.1 77.1 76.2 75.2 74.2 73.2 72.2 71.2	71.5 71.5 70.6 69.7 68.7 67.7 66.8 65.8 64.8 63.8	67.3 67.4 66.5 65.5 64.6 63.6 62.6 61.6 59.7	75.5 75.5 74.6 73.6 72.7 71.7 70.7 69.7 68.8 67.8	69.3 69.5 68.6 67.6 66.7 65.7 64.7 63.8 62.8 61.8	64.6 64.9 64.0 63.0 62.1 61.1 60.1 59.2 58.2 57.2	73.8 73.9 73.0 72.0 71.1 70.1 69.2 68.2 67.2 66.2
10	66.4 65.4 64.4 63.5 62.5 61.5 60.5 59.6 58.6 57.7	63.0 62.0 61.0 60.0 59.0 58.1 57.1 56.2 55.3 54.4	69.7 68.7 67.8 66.8 65.8 63.8 62.9 61.9 60.9	67.0 66.1 65.1 64.1 63.1 62.1 61.2 60.2 59.3 58.3	63.7 62.7 61.8 60.8 59.8 57.9 56.9 56.0 55.1	70.2 69.2 68.3 67.3 66.3 65.3 64.3 62.4 61.4	62.8 61.8 60.9 59.9 58.9 57.9 57.0 56.0 55.1 54.2	58.7 57.7 56.7 55.7 54.8 53.8 52.9 52.0 51.1 50.2	66.8 65.8 63.8 62.8 61.8 60.9 59.9 58.9 58.0	60.8 59.8 59.8 57.8 56.9 55.9 55.0 54.0 53.1 52.2	56.2 55.2 54.2 53.3 52.3 51.3 49.5 48.6 47.8	65.2 64.2 63.2 62.3 61.3 60.3 59.3 58.3 57.4 56.4
20	56.8 55.8 54.9 53.9 53.0 52.1 51.1 50.2 49.2 48.3	53.4 52.5 51.6 50.7 49.8 48.9 48.0 47.0 46.1 45.2	59.9 59.0 58.0 57.0 56.1 55.1 53.2 52.2 51.2	57.4 56.4 55.5 54.5 53.6 52.6 51.7 50.7 49.8 48.8	54.1 53.2 52.3 51.4 50.4 49.5 48.6 47.7 46.7 45.8	60.4 59.5 58.5 57.5 56.5 54.6 53.6 52.7 51.7	53.3 52.3 51.4 50.5 49.6 48.7 47.8 46.9 46.0 45.1	49.3 48.4 47.6 46.7 45.8 44.9 44.1 43.2 42.3 41.5	57.0 56.0 55.1 54.1 53.2 52.2 51.3 49.4 48.4	51.3 50.4 49.5 48.6 47.7 46.8 45.9 45.0 44.1 43.2	46.9 45.2 44.3 43.5 42.6 41.8 40.9 40.1 39.2	55.4 54.5 53.5 52.6 51.6 50.7 49.7 48.8 47.9 46.9
30	47.4 46.4 45.5 44.6 43.6 42.7 41.8 40.9 40.0 39.0	44.3 43.4 42.5 41.6 40.7 39.8 38.9 38.0 37.1 36.2	50.3 49.3 48.3 47.4 46.4 45.5 44.5 43.6 42.6 41.7	47.9 46.9 46.0 45.1 44.1 43.2 42.3 41.3 40.4 39.5	44.9 44.0 43.0 42.1 41.2 40.3 39.4 38.5 37.6 36.7	50.7 49.7 48.8 47.8 46.8 45.9 44.9 44.0 43.0 42.0	44.2 43.3 42.4 41.5 40.6 39.7 38.9 38.0 37.1 36.3	40.8 39.8 38.9 38.0 37.2 36.3 35.5 34.7 33.8 33.0	47.5 46.5 45.6 44.7 43.7 42.8 41.9 41.0 40.1 39.2	42.3 41.5 40.6 39.7 38.9 38.0 37.1 36.3 35.4 34.6	38.4 37.6 36.7 35.9 35.1 34.3 33.5 32.7 31.9 31.1	46.0 45.1 44.2 43.2 42.3 41.4 40.5 39.6 38.7 37.8
40	38.1 37.2 36.3 35.4 34.5 33.6 32.7 31.8 30.9 30.0	35.3 34.4 33.5 32.6 31.7 30.9 30.0 29.1 28.3 27.4	40.7 39.8 38.8 37.9 37.0 36.0 35.1 34.2 33.3 32.4	38.5 37.6 36.7 35.8 34.8 33.9 33.0 32.1 31.2 30.3	35.8 34.8 33.9 33.0 32.1 31.3 30.4 29.5 28.6 27.8	41.1 40.1 39.2 38.2 37.3 36.4 35.4 34.5 33.6 32.7	35.4 34.5 33.7 32.8 32.0 31.1 30.3 29.5 28.6 27.8	32.2 31.4 30.6 29.8 28.9 28.1 27.4 26.6 25.8 25.0	38.3 37.4 36.5 35.6 34.7 33.8 32.9 31.2 30.3	33.8 32.9 32.1 31.3 30.5 29.7 28.8 28.1 27.3 26.5	30.3 29.5 28.7 27.9 27.2 26.4 25.7 24.9 24.2 23.5	36.9 36.0 35.2 34.3 33.4 32.5 31.7 30.8 30.0 29.1
50	29.2 28.3 27.4 26.6 25.8 24.9 24.1 23.3 22.5 21.8	26.6 25.7 24.9 24.1 23.3 22.5 21.7 20.9 20.2 19.4	31.5 30.6 29.7 28.8 28.0 27.1 26.2 25.4 24.6 23.8	29.5 28.6 27.7 26.9 26.0 25.2 24.4 23.5 22.7 22.0	26.9 26.0 25.2 24.4 23.5 22.7 21.9 21.1 20.4 19.6	31.8 30.9 30.0 29.1 28.2 27.3 26.5 25.6 24.8 24.0	27.0 26.2 25.4 24.7 23.9 23.1 22.4 21.7 21.0 20.3	24.3 23.5 22.8 22.0 21.3 20.6 19.9 19.2 18.5 17.9	29.4 28.6 27.8 26.9 26.1 25.3 24.5 23.8 23.0 22.2	25.7 25.0 24.2 23.5 22.7 22.0 21.3 20.6 19.9 19.3	22.7 22.0 21.3 20.6 19.9 19.3 18.6 18.0 17.4 16.8	28.3 27.5 26.7 25.9 25.1 24.3 23.6 22.8 22.1 21.3
60	21.0 20.2 19.5 18.8 18.1 17.4 16.7 16.0 15.3	18.7 18.0 17.3 16.6 15.9 15.3 14.6 14.0 13.4 12.8	22.9 22.1 21.4 20.6 19.8 19.1 18.3 17.6 16.8 16.1	21.2 20.4 19.7 18.9 18.2 17.5 16.8 16.1 15.4 14.8	18.9 18.1 17.4 16.7 16.0 15.4 14.7 14.1 13.5 12.9	23.1 22.3 21.5 20.7 20.0 19.2 18.4 17.7 16.9 16.2	19.6 18.9 18.2 17.6 16.3 15.7 15.1 14.5 13.9	17.3 16.6 16.0 15.4 14.3 13.7 13.2 12.6 12.1	21.5 20.7 20.0 19.3 18.6 17.9 16.5 15.9 15.2	18.6 18.0 17.3 16.7 16.1 15.5 14.9 14.4 13.8 13.3	16.2 15.6 15.0 14.4 13.9 13.4 12.8 12.3 11.8	20.6 19.9 19.2 18.5 17.2 16.5 15.9 15.3 14.7
70	14.0 13.4 12.8 12.2 11.6 11.1 10.5 9.9 9.4 8.9	12.2 11.6 11.1 10.5 10.0 9.5 9.0 8.5 8.0 7.6	15.4 14.7 14.0 13.4 12.7 12.1 11.5 10.8 10.2 9.7	14.1 13.5 12.9 12.3 11.7 11.1 10.5 10.0 9.4 8.9	12.3 11.7 11.1 10.6 10.0 9.5 9.0 8.5 8.1 7.6	15.5 14.8 14.1 13.4 12.8 12.1 11.5 10.9 10.3 9.7	13.3 12.8 12.2 11.7 11.2 10.6 10.1 9.6 9.1 8.6	11.6 11.1 10.6 10.2 9.7 9.2 8.8 8.4 7.9 7.5	14.6 14.0 13.4 12.8 12.2 11.6 11.0 10.5 9.9	12.7 12.2 11.7 11.2 10.7 10.2 9.8 9.3 8.8 8.4	10.9 10.4 10.0 9.6 9.1 8.7 8.3 7.9 7.5 7.1	14.1 13.5 12.9 12.3 11.8 11.2 10.7 10.1 9.6 9.1
80	8.4 7.9 7.4 7.0 6.6 6.2	7.2 6.7 6.3 6.0 5.6 5.3	9.1 8.5 8.0 7.5 7.0 6.5	8.4 7.9 7.4 7.0 6.6 6.1	7.2 6.7 6.3 6.0 5.6 5.3	9.1 8.5 8.0 7.5 7.0 6.5	8.2 7.7 7.3 6.8 6.4 6.1	7.1 6.7 6.3 6.0 5.6 5.4	8.8 8.3 7.8 7.3 6.9 6.4	7.9 7.5 7.0 6.6 6.3 5.9	6.7 6.4 6.0 5.7 5.4 5.1	8.6 8.1 7.6 7.1 6.7 6.3

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1991
(Page 1 of 6)

[Alaska and Hawali 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				Numbe	r of survivors ou	t of 100,000 box	n alive (I _X)						
	1991	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902			
ALL RACES 0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000			
1 5	99,107 98,922 99,815 98,690 98,254 97,714 97,115 96,369	98,740 98,495 98,347 98,196 97,741 97,110 96,477 95,808	97,998 97,668 97,661 97,261 96,716 96,000 95,307 94,482	97,407 96,998 96,755 96,551 96,111 95,517 94,905 94,144	97,024 96,482 96,177 95,885 95,366 94,676 93,919 92,978	95,290 94,220 93,735 93,235 92,435 91,335 90,078 88,573	94,028 91,978 91,106 90,385 89,089 87,289 85,302 83,118	92,515 83,389 88,129 87,144 85,441 83,146 80,642 77,961	88,538 83,887 82,458 81,506 80,074 78,046 75,779 73,127	87,552 81,804 80,052 78,963 77,239 74,768 72,043 69,078			
40	95,413 94,206 92,431 89,810 85,734 79,784 71,659 60,962 47,795 32,498	94,926 93,599 91,526 88,348 83,726 77,107 68,248 56,799 43,180 27,960	93,322 91,587 88,972 85,110 79,529 71,933 61,984 49,705 35,285 20,908	93,064 91,378 88,756 84,711 79,067 71,147 60,857 48,170 33,576 18,542	91,648 89,634 86,591 82,176 75,921 67,555 56,987 43,903 29,313 15,785	86,650 84,069 80,487 75,557 68,924 60,366 49,655 36,735 22,883 11,073	80,557 77,343 73,321 68,182 61,563 53,195 42,768 30,789 18,580 8,542	75,114 72,036 68,429 63,947 58,079 50,560 41,090 29,729 18,298 8,683	70,042 68,561 82,460 57,555 51,138 43,193 33,816 23,552 13,712 6,001	65,890 62,436 58,514 53,852 47,946 40,911 32,390 22,960 13,529 6,053			
MALE 0	100,000 99,002 98,799 98,677 98,517 97,079 96,197 95,123	100,000 98,607 98,333 98,160 97,972 97,316 96,361 95,430 94,501	100,000 97,755 97,395 97,151 96,904 96,126 95,040 94,072 92,997	100,000 97,087 96,643 96,375 96,107 95,491 94,631 93,826 92,889	100,000 96,661 96,077 95,726 95,366 94,695 93,791 92,861 91,760	100,000 94,762 93,624 93,054 92,506 91,617 90,385 89,009 87,371	100,000 93,440 91,294 90,346 89,561 88,220 86,359 84,348 82,075	100,000 91,745 88,505 87,184 86,158 84,440 82,252 79,890 77,514	100,000 87,505 82,718 81,249 80,261 78,792 76,675 74,378 71,614	100,000 86,426 80,548 78,775 77,681 75,984 73,472 70,747 67,752			
40 45 50 55 60 65 70 75	93,787 92,172 89,907 86,657 74,340 64,523 52,105 37,718 22,646	93,345 91,649 89,007 84,936 79,012 70,646 59,681 46,272 31,810 18,020	91,541 89,369 86,070 81,139 73,958 64,318 52,296 38,797 24,921 13,168	91,572 89,492 89,499 81,039 73,887 64,177 52,244 38,950 25,300 12,845	90,207 87,819 84,158 78,781 71,246 61,566 49,950 36,758 25,237 11,750	85,246 82,336 78,254 72,627 65,142 55,776 44,588 31,864 18,995 8,693	79,357 75,882 71,518 65,961 58,909 50,154 39,516 27,718 16,172 7,107	74,432 71,244 67,553 62,965 56,917 49,218 39,668 28,316 17,128 7,920	68,297 64,518 60,118 54,970 48,343 40,284 31,023 21,213 11,942 5,059	84,447 60,849 56,736 51,939 45,895 38,736 30,217 21,076 12,084 5,179			
FEMALE 0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000			
1	99,217 99,050 98,959 98,870 98,637 98,379 98,070 97,653	98,880 98,666 98,544 98,432 98,184 97,883 97,551 97,140	98,254 97,955 97,784 97,636 97,331 96,966 96,544 95,966	97,744 97,371 97,173 97,016 96,756 96,418 95,996 95,409	97,406 96,908 96,652 96,431 96,068 95,583 94,933 94,206	95,848 94,848 94,400 94,000 93,293 92,322 91,182 89,810	94,728 92,789 92,008 91,364 90,116 88,328 86,398 84,304	93,383 90,380 89,186 88,247 86,556 84,135 81,463 78,713	89,623 85,117 83,728 82,813 81,418 79,481 77,247 74,719	88,733 83,119 81,390 80,307 78,555 76,119 73,394 70,463			
40	97,083 96,289 95,008 93,018 89,882 85,249 78,711 69,618 57,486 41,756	96,531 95,570 94,060 91,760 88,414 83,520 76,720 67,186 54,372 37,772	95,097 93,793 91,852 89,066 85,139 79,698 71,955 61,107 46,445 29,538	94,560 93,265 91,327 88,451 84,430 78,482 70,100 58,394 43,063 25,269	93,101 91,469 89,075 85,694 80,890 74,119 64,873 52,111 36,486 20,668	88,092 85,856 82,828 78,708 65,523 55,449 42,425 27,524 13,972	81,927 79,041 75,456 70,832 64,795 56,924 46,774 34,600 21,578 10,322	75,907 72,954 69,452 65,099 59,438 52,128 42,741 31,344 19,613 9,515	71,894 68,755 65,001 60,392 54,226 46,438 36,916 26,155 15,682 7,051	67,407 64,121 60,415 55,908 50,155 43,246 34,721 24,994 15,129 7,063			
WHITE	100,000	100,000	100,000	100.000	100,000	100,000							
0	99,272 99,108 99,010 98,892 98,496 98,027 97,513 96,867	98,898 98,675 98,536 98,391 97,339 97,340 96,774 96,192	98,224 97,930 97,733 97,546 97,036 96,406 95,824 95,152	100,000 97,714 97,353 97,131 96,928 96,508 95,965 95,440 94,798	100,000 97,278 96,790 96,502 96,228 95,763 95,169 94,536 93,750	100,000 95,685 94,713 94,228 93,792 93,117 92,213 91,185 89,941		:::		:::			
40	96,049 94,994 93,391 90,880 87,122 81,346 73,346 62,635 49,244 33,571	95,427 94,257 92,384 89,427 85,031 78,585 69,801 58,299 44,409 28,768	94,190 92,681 90,306 86,688 81,323 73,889 63,991 51,586 36,659 21,578	93,870 92,374 89,958 86,173 80,811 73,102 62,834 49,895 34,697 19,017	92,616 90,847 88,110 84,027 78,066 69,850 59,189 45,688 30,438 16,239	88,318 86,069 82,833 78,218 71,785 63,201 52,165 38,610 23,976 11,483							

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1991—Con.
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[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix]

Age, race, and sex	Average number of years of life remaining (ex)											
	1991	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902		
ALL RACES 0 1 5 10 15 20 25 30 35	75.5 75.2 71.3 66.4 61.5 56.8 52.1 47.4 42.7	73.88 73.82 70.00 65.10 60.19 55.46 50.81 46.12 41.43	70.75 71.19 67.43 62.57 57.69 53.00 48.37 43.71 39.07	69.89 70.75 67.04 62.19 57.33 52.58 47.89 43.18 38.51	68.07 69.16 65.54 60.74 55.91 51.20 46.56 41.91 37.31	63.62 65.76 62.49 57.82 53.10 48.54 44.09 39.67 35.30	59.20 61.94 59.29 54.84 50.25 45.94 41.85 37.75 33.68	56.40 59.94 57.99 53.79 49.37 45.30 41.47 37.68 33.89	51.49 57.11 56.21 52.15 47.73 43.53 39.60 35.70 31.90	49.24 55.20 54.98 51.14 46.81 42.79 39.12 35.51 31.92		
40	38.1 33.6 29.2 24.9 21.0 17.4 14.0 11.1 8.4 6.2	36.79 32.27 27.94 23.85 20.02 16.51 13.32 10.48 7.98 5.96	34.52 30.12 25.93 21.99 18.34 15.00 12.00 9.32 7.10 5.28	33.92 29.50 25.29 21.37 17.71 14.39 11.38 8.71 6.39 4.58	32.81 28.49 24.40 20.57 17.04 13.83 10.92 8.40 6.34 4.69	31.03 26.90 22.98 19.31 15.91 12.80 10.00 7.62 5.73	29.67 25.79 22.06 18.53 15.24 12.23 9.58 7.32 5.50 4.19	30.08 26.25 22.50 18.90 15.54 12.47 9.74 7.49 5.63 4.21	28.20 24.54 20.98 17.55 14.42 11.60 9.11 6.99 5.25 4.00	28.34 24.77 21.26 17.88 14.76 11.86 9.30 7.08 5.30 3.96		
0	72.0 71.8 67.9 63.0 58.1 53.4 48.9 44.3 39.8	70.11 70.10 66.29 61.41 56.52 51.88 47.37 42.81 38.20	67.04 67.58 63.82 58.98 54.12 49.54 45.07 40.51 35.95	66.80 67.80 64.10 59.27 54.43 49.77 45.19 40.56 35.94	65.47 66.73 63.12 58.35 53.56 48.92 44.36 39.78 35.23	61.60 64.00 60.76 56.12 51.43 46.91 42.51 38.13 33.79	57.71 60.75 58.14 53.75 49.18 44.88 40.79 36.71 32.65	55.50 59.47 57.60 53.44 49.05 44.99 41.11 37.26 33.43	49.86 55.95 55.11 51.07 46.66 42.48 38.59 34.70 30.94	47.88 54.35 54.22 50.39 46.06 42.03 38.38 34.76 31.19		
40	35.3 30.9 26.6 22.5 18.7 15.3 12.2 9.5 7.2 5.3	33.64 29.22 25.00 21.08 17.46 14.21 11.35 8.90 6.80 5.13	31.48 27.18 23.12 19.36 15.99 10.39 8.13 6.27 4.73	31.42 27.09 23.02 19.32 15.94 12.95 10.33 7.99 5.95 4.39	30.79 26.55 22.59 18.96 15.68 12.74 10.11 7.83 5.94 4.41	29.57 25.52 21.72 18.20 14.99 12.07 9.46 7.22 5.44 4.11	28.68 24.87 21.25 17.79 14.62 11.72 9.18 7.02 5.27 4.02	29.63 25.84 22.11 18.53 15.22 12.20 9.52 7.31 5.49 4.10	27.32 23.77 20.32 16.98 13.95 11.24 8.83 6.75 5.10	27.65 24.14 20.70 17.38 14.33 11.50 9.02 6.84 5.11 3.82		
FEMALE 0	78.9 78.5 74.7 69.7 64.8 59.9 55.1 50.3 45.5	77.62 77.50 73.67 68.75 63.83 58.98 54.16 49.33 44.53	74.64 74.97 71.19 66.31 61.41 56.59 51.80 47.01 42.28	73.24 73.93 70.21 65.35 60.45 55.60 50.79 46.00 41.27	70.96 71.84 68.21 63.38 58.52 53.73 48.99 44.28 39.63	65.89 67.73 64.43 59.73 54.97 50.37 45.87 41.41 37.01	60.90 65.37 60.66 56.16 51.54 47.21 43.11 39.02 34.92	57.40 60.45 58.41 54.16 49.71 45.63 41.86 38.15 34.40	53.24 58.37 57.39 53.31 48.87 44.66 40.69 36.79 32.95	50.70 56.10 55.80 51.94 47.60 43.60 39.92 36.30 32.71		
40 45 50 55 60 65 70 75 80	40.7 36.0 31.5 27.1 22.9 19.1 15.4 12.1 9.1 6.5	39.80 35.17 30.69 26.39 22.29 18.44 14.84 11.58 8.69 6.38	37.64 33.13 28.77 24.59 20.60 16.83 13.35 10.26 7.68 5.63	36.61 32.09 27.71 23.53 19.52 15.80 12.37 9.33 6.72 4.71	35.06 30.64 26.40 22.33 18.50 14.95 11.71 8.94 6.67 4.90	32.68 28.46 24.40 20.54 16.92 13.57 10.56 8.01 5.99 4.47	30.86 26.89 23.05 19.38 15.94 12.78 9.99 7.61 5.70 4.32	30.58 26.71 22.92 19.28 15.87 12.73 9.96 7.65 5.75 4.30	29.15 25.36 21.67 18.13 14.90 11.96 9.38 7.20 5.37 4.08	29.08 25.44 21.84 18.39 15.21 12.22 9.59 7.34 5.51 4.12		
WHITE 0	76.3 75.9 72.0 67.0 62.1 57.4 52.6 47.9 43.2	74.53 74.35 70.52 65.62 60.71 55.98 51.30 46.59 41.86	71.62 71.91 68.12 63.26 58.37 53.66 49.00 44.28 39.58	70.73 71.38 67.64 62.79 57.92 53.16 48.44 43.69 38.97	69.02 69.95 66.29 61.48 56.65 51.91 47.22 42.52 37.86	64.92 66.84 63.52 58.83 54.09 49.47 44.92 40.40 35.93				:::		
40	38.5 33.9 29.5 25.2 21.2 17.5 14.1 11.1 8.4 6.1	37.17 32.60 28.21 24.05 20.16 16.59 13.35 10.47 7.95 5.90	34.95 30.48 26.21 22.19 18.48 15.08 12.01 9.27 7.01 5.19	34.33 29.84 25.57 21.58 17.84 14.44 11.37 8.65 6.33 4.53	33.29 28.88 24.70 20.77 17.15 13.86 10.89 8.34 6.27 4.62	31.54 27.29 23.26 19.47 15.98 12.80 9.96 7.55 5.64 4.20				::: ::: ::: ::: :::		

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1991—Con.
(Page 3 of 6)

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

Age, race, and sex				Numbe	of survivors ou	t of 100,000 bor	nalive (/x)			
	1991	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
WHITE, MALE 01	100,000 99,176 98,997	100,000 98,769 98,519	100,000 97,994 97,671	100,000 97,408 97,015	100,000 96,931 96,403	100,000 95,188 94,150	100,000 93,768 91,738	100,000 91,975 88,842	100,000 87,674 82,972	100,000 86,655 80,864
10	98,885 98,736 98,186 97,490 96,733 95,794	98,357 98,176 97,525 96,616 95,783 94,980	97,441 97,208 96,480 95,524 94,716 93,843	96,758 96,503 95,908 95,106 94,401 93,589	96,069 95,728 95,104 94,294 93,489 92,543	93,601 93,089 92,293 91,241 90,092 88,713	90,810 90,074 88,904 87,371 85,707 83,812	87,530 86,546 84,997 83,061 80,888 78,441	81,519 80,549 79,116 77,047 74,810 72,108	79,109 78,037 76,376 73,907 71,219 68,245
40	94,641 93,225 91,184 88,189 83,428 76,292 66,539 53,971 39,181 23,574	93,984 92,494 90,105 86,303 80,625 72,393 61,384 47,712 32,788 18,538	92,631 90,725 87,690 83,001 75,969 66,343 54,138 40,324 25,885 13,527	92,427 90,533 87,424 82,463 75,485 65,834 53,825 40,207 25,993 13,085	91,173 89,002 85,601 80,496 73,172 63,541 51,735 38,104 24,005 12,015	86,880 84,285 80,521 75,156 67,787 58,305 46,739 33,404 19,860 9,013	81,457 78,345 74,288 68,981 61,933 52,964 41,880 29,471 17,221 7,572	75,733 72,696 69,107 64,574 58,498 50,663 40,873 29,205 17,655 8,154	68,848 65,115 60,741 55,622 48,987 40,862 31,527 21,585 12,160 5,145	64,954 61,369 57,274 52,491 46,452 39,245 30,640 21,387 12,286 5,252
0	100,000 99,372 99,224 99,140 99,055 98,824 98,596 98,336 97,993	100,000 99,035 98,841 98,725 98,618 98,374 98,093 97,802 97,445	100,000 98,468 98,203 98,042 97,902 97,618 97,299 96,945 96,474	100,000 98,036 97,709 97,525 97,375 97,135 96,844 96,499 96,026	100,000 97,645 97,199 96,960 96,756 96,454 96,072 95,605 94,977	100,000 96,211 95,309 94,890 94,534 93,984 93,228 92,320 91,211	100,000 95,037 93,216 92,466 91,894 90,939 89,524 87,972 86,248	100,000 93,608 90,721 89,564 88,712 87,281 85,163 82,740 80,206	100,000 89,774 85,349 83,979 83,093 81,750 79,865 77,676 75,200	100,000 88,939 83,426 81,723 80,680 78,978 76,588 73,887 70,971
40	97,520 96,836 95,681 93,881 90,908 86,472 80,114 71,118 58,903 42,896	96,913 96,065 94,710 92,594 89,451 84,764 78,139 68,712 55,770 38,774	95,762 94,649 92,924 90,383 86,726 81,579 74,101 63,290 48,182 30,490	95,326 94,228 92,522 89,967 86,339 80,739 72,507 60,461 44,676 26,046	94,080 92,725 90,685 87,699 83,279 76,773 67,545 54,397 38,026 21,348	89,805 87,920 85,267 81,520 76,200 68,701 58,363 44,685 28,882	84,256 81,780 78,572 74,321 68,462 60,499 49,932 37,024 23,053 10,937	77,624 74,871 71,547 67,323 61,704 54,299 44,638 32,777 20,492 9,909	72,425 69,341 65,629 61,053 54,900 47,086 37,482 26,569 15,929 7,152	67,935 64,677 61,005 56,509 50,752 43,806 35,206 25,362 15,349 7,149
0	100,000 96,491 98,228 98,088 97,932 97,334 96,485 95,496 94,256	100,000 98,097 97,756 97,568 97,387 96,913 96,107 95,088 93,870	100,000 96,909 96,400 96,126 95,864 95,101 93,792 92,309 90,470	100,000 95,732 95,051 94,745 94,460 93,880 92,925 91,699 90,046	100,000 95,407 94,482 94,060 93,646 92,738 91,321 89,584 87,402					
40	92,622 90,582 87,803 83,957 78,539 71,328 62,100 51,085 39,002 25,790	92,245 89,928 86,525 81,732 75,900 67,179 57,635 46,362 34,558 22,279	87,964 84,575 80,046 74,150 68,775 57,797 47,542 35,987 25,215 16,299	87,766 84,501 80,172 73,893 65,795 56,038 45,434 34,531 24,815 15,337	84,478 80,507 74,976 67,660 58,593 48,649 38,616 28,968 20,003 12,433					
ALL OTHER, MALE 0	100,000 98,346 98,055 97,694 97,689 96,741 95,431 93,952 92,182	100,000 97,939 97,559 97,337 97,113 96,431 95,200 93,666 91,891	100,000 96,592 96,038 95,716 95,385 94,293 92,267 90,106 87,597	100,000 95,301 94,570 94,234 93,108 91,825 90,270 88,331	100,000 94,911 93,921 93,453 92,965 91,941 90,285 88,327 85,940	100,000 91,696 89,920 89,211 88,417 86,770 84,055 80,865 77,185				
40	89,890 87,120 83,479 78,676 71,960 63,355 52,774 40,873 28,769 16,916	89,645 86,578 82,153 76,019 68,093 58,517 47,796 36,191 24,969 14,454	84,378 80,163 74,748 67,808 59,396 49,607 39,025 27,789 17,999	85,744 82,075 77,239 70,351 61,669 51,392 39,914 29,064 19,994 11,620	82,832 78,686 72,891 65,122 55,535 45,198 35,018 25,472 16,904 9,898	72,830 67,514 60,766 52,867 44,370 35,912 27,688 19,765 12,352 6,492				::: ::: ::: :::

Table 6-4. Life Table Values by Flace and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1991—Con.

(Page 4 of 6)

[Alaska and Hawaii included beginning in 1959. For deconnial 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]

Average number of years of life remaining (\hat{e}_x) Age, race, and sex 1991 1979-81 1969-71 1959-61 1949-51 1939-41 1929-31 1919-21 1909-11 1900-1902 WHITE, MALE 67.94 68.33 64.55 59.69 54.83 50.22 45.70 41.07 59.12 62.04 59.38 54.96 50.39 46.02 41.78 37.54 70.82 70.70 66.87 61.98 57.09 52.45 47.92 56.34 60.24 58.31 50.23 56.26 55.37 72.9 72.5 68.7 63.7 58.8 54.1 49.5 44.9 40.3 67.55 68.34 64.61 59.78 54.93 50.25 45.65 40.97 36.31 66.31 67.41 63.77 58.98 54.18 49.52 44.93 40.29 35.68 62.81 64.98 61.68 57.03 52.33 47.76 43.28 38.80 34.36 48.23 54.61 54.43 50.59 46.25 42.19 38.52 34.88 31.29 54.15 49.74 45.60 41.60 37.65 33.74 10 15 20 25 51.32 46.91 42.71 38.79 30 35 43 31 34.87 31.08 34.04 29.55 25.26 21.25 35.8 31.3 26.9 22.7 31.73 27.34 23.22 40 45 50 31.87 29.22 25.28 21.51 27.43 23.86 20.39 17.03 31.17 30.03 29.86 27.74 24.21 20.76 17.42 14.35 11.51 9.03 6.84 5.10 3.81 27.48 23.34 19.51 25.87 21.96 18.34 26.00 22.22 18.59 26.87 22.83 19.11 15.76 12.75 10.07 7.77 5.88 4.35 19.45 16.01 12.97 10.29 7.92 5.89 4.34 17.97 14.72 11.77 9.20 7.02 5.26 3.99 55 16.07 13.02 10.38 8.06 6.18 4.63 15.05 12.07 9.42 7.17 5.38 4.02 15.25 12.21 9.51 7.30 5.47 4.06 13.98 11.25 8.83 6.75 5.09 3.88 60 18.9 17.56 15.4 12.3 12.3 9.5 7.2 5.3 14.26 14.26 11.35 8.87 6.76 5.09 65 70 75 80 WHITE, FEMALE 72.03 72.77 69.09 64.26 59.39 54.56 58.53 61.51 59.43 55.17 50.67 74.19 74.68 70.92 66.05 61.15 67.29 68.93 65.57 60.85 62.67 64.93 62.17 57.65 53.62 58.69 57.67 53.57 79.6 79.1 75.2 70.2 65.3 60.4 55.6 50.7 45.9 78.22 77.98 74.13 69.21 64.29 59.44 54.60 49.76 44.93 75.49 75.66 71.86 66.97 62.07 57.24 52.42 47.60 42.82 51.08 56.39 56.03 52.15 47.79 43.77 40.05 36.42 32.82 10 15 53.00 49.12 56.07 51.38 46.78 42.21 37.70 48.52 44.25 39.99 35.73 46.46 42.55 38.72 34.86 44.88 40.88 36.96 33.09 20 25 56.29 51.45 46.63 41.84 49.77 45.00 40.28 30 35 40.16 35.49 30.96 26.61 22.45 18.55 30.94 26.98 23.12 41.1 36.4 31.8 27.3 23.1 19.2 15.5 12.1 9.1 6.5 38.12 37.13 35.64 33.25 31.52 29.26 29.17 25.51 21.89 18.43 15.23 12.23 9.59 7.33 5.50 40 45 50 55 60 65 70 25.45 21.74 18.18 14.92 11.97 33.54 29.11 24.85 20.79 28.90 24.72 20.73 17.00 27.39 23.41 31.12 26.76 32.53 28.08 23.81 19.69 15.88 12.38 9.28 6.67 19.40 15.93 12.75 22.58 18.64 19.60 16.05 13.56 10.50 7.92 5.88 4.34 15.00 11.68 8.87 16.93 12.81 14,89 11,58 8,65 6,32 13.37 10.21 7.59 5.54 9.98 7.56 5.63 4.24 9.94 7.62 5.70 4.24 9.38 7.20 5.35 4.06 75 80 6.59 85 4.66 4.83 ALL OTHER 64.95 66.02 62.36 57.53 63.91 65.75 62.21 57.41 71.5 71.5 67.7 62.8 57.9 53.3 48.7 44.2 39.7 0 69.84 70.19 66.43 61.56 56.67 51.93 47.34 42.82 60.73 62.65 59.25 54.50 ---------10 15 52.68 48.08 43.71 39.37 52.57 47.88 43.35 49.73 45.19 40.85 20 25 30 38.89 36.59 - - -35 35.12 32.44 40 45 31.05 28,48 - - -35.4 33.97 30.39 - - ----26.46 22.74 19.45 16.53 13.96 11.63 9.52 7.28 29.78 25.85 22.21 27.19 23.58 20.24 17.19 14.47 12.04 10.09 24.75 21.38 18.41 15.87 ---... 31.1 27.0 23.1 19.6 16.3 13.3 10.6 8.2 6.1 50 55 60 18.88 13.59 11.48 9.48 7.62 5.79 15.86 13.06 10.61 65 70 75 80 85 8.38 6.63 8.36 6.62 ALL OTHER, MALE 65.63 66.01 62.26 57.40 52.52 47.87 43.46 0 67.3 67.4 63.6 58.7 53.8 49.3 44.9 40.6 36.3 58.91 - - -60.98 61.48 63.50 59.98 55.19 50.39 45.78 41.38 37.05 32.81 52.33 56.05 53.13 48.54 43.95 39.74 35.94 32.25 28.67 - - -62.13 58.48 53.67 48.84 44.37 40.29 36.20 32.16 61.06 57.69 52.96 48.23 43.73 39.49 - - -- - ----10 15 20 25 ---------::: ---39.13 34.83 35.31 31.21 30 35 28.72 24.89 21.28 18.11 15.29 12.84 10.81 40 30.64 26.63 22.92 28.29 24.64 21.24 27.29 23.59 20.25 25.23 22.02 19.18 32.2 28.1 24.3 20.6 17.3 14.3 11.6 9.2 7.1 5.4 45 50 55 - - ----17.36 14.91 12.75 10.74 8.83 7.07 5.38 16.67 14.38 12.18 10.06 ---19.56 18.14 16.54 13.83 15.35 12.87 ---60 65 70 75 80 85 11.36 9.20 7.22 5.69 10.68 8.99 7.57 6.04 8.93 6.87 5.08 8.09 6.46 5.08

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1991—Con.
(Page 5 of 6)

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

Age, race, and sex				Numbe	r of survivors ou	nt of 100,000 box	nalive (1 _x)			
	1991	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL OTHER, FEMALE 0	100,000 98,642 98,407 98,288 98,184 97,945 97,557 97,035 96,285	100,000 98,261 97,958 97,866 97,669 97,404 96,996 96,441 95,719	100,000 97,235 96,772 96,546 96,353 95,917 95,247 94,370 93,123	100,000 96,172 95,543 95,265 95,057 94,005 93,070 91,670	100,000 95,913 95,055 94,679 94,343 93,544 92,336 90,799 88,805	100,000 93,318 91,710 91,092 90,363 88,505 85,961 83,147 79,879		:::	:::	
40	95,255 93,889 91,911 88,968 84,754 78,813 70,887 60,748 48,767 34,486	94,646 93,009 90,523 86,951 82,000 75,382 67,147 56,499 44,378 30,543	91,247 88,608 84,964 80,162 73,984 66,084 56,375 44,841 33,373 22,763	89,676 86,793 82,979 77,362 69,941 60,825 51,274 40,540 30,315 19,744	86,052 82,257 77,007 70,196 61,758 52,358 42,612 32,981 23,712 15,550	75,908 71,061 64,886 57,419 49,102 40,718 32,579 24,668 17,157 10,658		:::	:::	
0	100,000 98,243 97,943 97,786 97,608 96,922 95,912 94,727 93,208	100,000 97,885 97,522 97,322 97,134 96,652 95,804 94,680 93,288	100,000 96,731 96,207 95,928 95,661 94,887 93,513 91,934 89,977	:::		100,000 92,584 90,983 90,339 89,591 87,839 85,210 82,194 78,683		:::	:::	
40	91,201 88,693 85,322 80,813 74,672 66,739 56,941 45,709 34,041 21,861	91,439 88,834 85,044 79,816 72,913 64,391 54,617 43,274 31,711 19,939	87,304 83,700 78,938 72,826 65,250 56,102 45,785 34,282 23,710 15,044	:::		74,466 69,284 62,702 54,846 46,318 37,838 29,654 21,796 14,408 8,326		:::	:::	
BLACK, MALE 0	100,000 98,061 97,751 97,552 97,318 96,211 94,627 92,844 90,661	100,000 97,703 97,300 97,061 96,826 96,132 94,827 93,125 91,080	100,000 96,394 95,862 95,497 95,161 94,053 91,904 89,584 86,885	:::	:::	100,000 91,772 90,062 89,393 88,610 86,968 84,227 80,979 77,221	100,000 91,268 88,412 87,311 96,152 83,621 79,516 75,083 70,049	100,000 89,499 85,195 83,768 82,332 79,057 74,540 70,344 65,873	100,000 78,085 68,589 66,377 64,478 61,426 57,736 54,073 49,865	100,000 74,674 64,385 61,730 59,667 56,733 53,285 49,867 46,541
40	87,831 84,416 79,963 74,289 66,735 57,487 46,575 34,790 23,530 13,138	88,490 84,997 80,065 73,413 64,980 55,061 44,213 32,717 22,017 12,383	83,441 78,976 73,282 66,101 57,457 47,485 36,925 25,921 16,560 9,648	:::	:::	72,780 67,346 60,495 52,426 43,833 35,371 27,236 19,456 12,186 6,444	64,710 58,432 51,748 44,436 36,790 29,314 21,741 14,419 8,239 3,660	61,353 56,589 51,880 46,581 40,506 34,042 26,923 18,854 11,615 5,605	45,414 40,583 35,427 29,754 23,750 17,806 12,295 7,494 3,894 1,747	42,989 39,230 34,766 29,987 24,194 19,015 13,829 8,892 4,831 2,030
BLACK, FEMALE 0	100,000 98,430 98,163 98,027 97,909 97,653 97,203 96,579 95,667	100,000 98,073 97,751 97,590 97,450 97,180 96,754 96,150 95,338	100,000 97,076 96,598 96,369 96,172 95,729 95,035 94,114 92,807			100,000 93,416 91,906 91,308 90,594 88,736 86,198 83,384 80,092	100,000 92,796 90,185 89,201 88,068 85,078 81,067 76,816 72,192	100,000 91,251 87,149 85,607 83,954 80,154 75,359 70,633 65,857	100,000 81,493 72,768 70,508 68,218 64,764 61,430 58,281 54,595	100,000 78,525 68,056 65,111 62,384 59,053 55,795 52,773 49,567
40	94,416 92,754 90,386 86,961 82,168 75,515 66,887 56,302 44,358 30,582	94,137 92,322 89,563 85,653 80,293 73,266 64,729 53,831 41,686 28,004	90,817 88,001 84,168 79,177 72,820 64,716 54,873 43,193 31,756 21,358			76,084 71,157 64,885 57,314 48,928 40,504 32,354 24,502 17,039 10,622	67,271 61,365 54,920 47,074 38,761 30,852 23,341 16,576 10,822 6,033	61,130 56,230 50,780 44,742 37,954 31,044 24,107 17,216 11,151 5,972	50,568 45,947 40,886 35,415 28,908 22,302 15,871 10,657 6,324 3,029	46,146 42,279 37,681 33,124 27,524 21,995 16,140 11,066 6,708 3,567

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1991—Con.
(Page 6 of 6)

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

Age, race, and sex	Average number of years of life remaining $\langle \mathring{\mathbb{G}}_{x} \rangle$											
	1991	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902		
ALL OTHER, FEMALE 01	75.5 75.5 71.7	74.00 74.31 70.53	69.05 70.01 66.34	66.47 68.10 64.54	62.70 64.37 60.93	55.51 58.47 55.47						
10	66.8 61.8 57.0 52.2 47.5 42.8	65.64 60.73 55.88 51.11 46.39 41.72	61.49 56.60 51.85 47.19 42.61 38.14	59.72 54.85 50.07 45.40 40.83 36.41	56.17 51.36 46.77 42.35 38.02 33.62	50.83 46.22 42.14 38.31 34.52 30.83						
40	38.3 33.8 29.4 25.3 21.5 17.9 14.6 11.6 8.8 6.4	37.16 32.77 28.59 24.56 20.99 17.50 14.44 11.58 9.17 7.19	33.87 29.80 25.97 22.37 19.02 15.99 13.30 11.06 9.01 7.07	32.16 28.14 24.31 20.89 17.83 15.12 12.46 10.10 7.66 5.44	29.82 26.07 22.67 19.62 16.95 14.54 12.29 10.15 8.15 6.15	27.31 24.00 21.04 18.44 16.14 13.95 11.81 9.80 8.00 6.38				:::		
0	69.3 69.5 65.7 60.8 55.9 51.3 46.8 42.3 38.0	68.52 68.99 65.25 60.38 55.49 50.75 46.18 41.69 37.28	64.11 65.27 61.62 56.79 51.94 47.34 43.00 38.70 34.48			53.85 57.15 54.13 49.50 44.89 40.73 36.91 33.17 29.53						
40	33.8 29.7 25.7 22.0 18.6 15.5 12.7 10.2 7.9 5.9	32.98 28.97 25.03 21.50 18.29 15.37 12.67 10.32 8.17 6.54	30.46 26.65 23.11 19.83 16.83 14.16 11.77 9.89 8.20 6.54			26.06 22.82 19.94 17.43 15.18 13.02 10.93 8.97 7.31 5.91						
5	64.6 64.9 61.1 56.2 51.3 46.9 42.6 38.4 34.3	64.10 64.30 60.36 56.01 51.14 46.48 42.09 37.81 33.60	60.00 61.24 57.60 52.79 47.96 43.49 39.45 35.40 31.42			52.26 55.93 52.95 48.34 43.74 39.52 35.72 32.05 28.48	47.55 51.08 48.69 44.27 39.83 35.95 32.67 29.45 26.39	47.14 51.63 50.18 45.99 41.75 38.36 35.54 32.51 29.54	34.05 42.53 44.25 40.65 36.77 33.46 30.44 27.33 24.42	32.54 42.46 45.06 41.90 38.26 35.11 32.21 29.25 26.16		
40	30.3 26.4 22.7 19.3 16.2 13.4 10.9 8.7 6.7 5.1	29.51 25.61 22.03 18.79 15.89 10.94 8.90 7.03 5.61	27.61 24.03 20.69 17.66 14.93 12.53 10.40 8.76 7.35 5.92			25.06 21.88 19.06 16.60 14.37 12.21 10.11 8.17 6.58 5.34	23.36 20.59 17.92 15.46 13.15 10.87 8.78 6.99 5.42 4.30	26.53 23.55 20.47 17.50 14.74 12.07 9.58 7.61 5.83 4.53	21.57 18.85 16.21 13.82 11.67 9.74 8.00 6.58 5.53	23.12 20.09 17.34 14.69 12.62 10.38 8.33 6.60 5.12 4.04		
BLACK, FEMALE 0	73.8 73.9 70.1 65.2 60.3 55.4 50.7 46.0 41.4	72.88 73.31 69.54 64.65 59.74 54.90 50.13 45.43 40.79	68.32 69.37 65.70 60.85 55.97 51.22 46.57 42.00 37.56			55.56 58.46 55.40 50.75 46.13 42.04 38.20 34.40 30.83	49.51 52.33 49.81 45.33 40.87 37.22 33.93 30.67 27.47	46.92 50.39 48.70 44.54 40.36 37.15 34.35 31.48 28.58	37.67 45.15 46.42 42.84 39.18 36.14 32.97 29.61 26.44	35.04 43.54 46.04 43.02 39.79 36.89 33.90 30.70 27.52		
40	36.9 32.5 28.3 24.3 20.6 17.2 14.1 11.2 8.6	36.28 31.94 27.84 24.00 20.42 17.13 14.05 11.37 8.95 7.09	33.32 29.31 25.52 21.97 18.66 15.67 13.02 10.85 8.87 7.00		:::	27.19 23.89 20.95 18.38 16.10 13.95 11.82 9.81 8.02 6.41	24.30 21.39 18.60 16.27 14.22 12.24 10.38 8.62 6.90 5.48	25.60 22.61 19.76 17.09 14.69 12.41 10.25 8.37 6.58 5.22	23.34 20.43 17.65 14.98 12.78 10.82 9.22 7.55 6.05 5.09	24.37 21.36 18.67 15.88 13.60 11.38 9.62 7.90 6.48 5.10		

Table 6-5. Estimated Average Length of Life in Years, by Race and Sex: Death-Registration States, 1900-28, and United States, 1929-91
(Page 1 of 2)
[For selected years, life table values shown are estimates; see Technical Appendix. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix.]

		All races			White		All other					
Area and year								Total			Black	
•	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
UNITED STATES 1												
1991	75.5	72.0	78.9	76.3	72.9	79.6	71.5	67.3	75.5	69.3	64.6	73.8
1990	75.4	71.8	78.8	76.1	72.7 72.5	79.4	71.2	67.0	75.2 74.9	69.1	64.5	73.6
1989 *	75.1	71.7	78.5	75.9	72.5 72.2	79.2	70.9	66.7	74.9	68.8	64.3	73.3
1988 * 1987 *	74.9 74.9	71.4 71.4	78.3 78.3	75.6 75.6	72.2 72.1	78.9 78.9	70.8 71.0	'66.7 66.9	74.8 75.0	68.9 69.1	64.4 64.7	73.2 73.4
1986 *	74.7	71.2	78.2	75.4	71.9	78.8	70.9	66.8	74.9	69.1	64.8	73.4 73.4
1985 *	74.7	71.1	78.2	75.3	71.8	78.7	71.0	67.0	74.8	69.3	65.0	73.4
1984 *	74.7	71.1	78.2 78.1	75.3	71.8	78.7	71.1	67.2	74.9	69.5	65.3	73.6 73.5
1983 * 1982 *	74.6 74.5	71.0 70.8	78.1 78.1	75.2 75.1	71.6 71.5	78.7 78.7	70.9 70.9	67.0 66.8	74.7 74.9	69.4 69.4	65.2 65.1	73.5 73.6
1981 *	74.1	70.4	//.8	74.8	71.1	78.4	70.3	66.2	74.4	68.9	64.5	73.6 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 69.6	77.8 77.3	74.6 74.1	70.8 70.4	78.4 78.0	69.8 69.3	65.4 65.0	74.1	68.5	64.0 63.7	72.9
1978 1977	73.5 73.3	69.5	77.2	74.1 74.0	70.4 70.2	77.9	68.9	64.7	73.5 73.2	68.1 67.7	63.4	72.4 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 71.2	67.6 67.4	75.3	72.2 72.0	68.5 68.3	76.1 75.9	66,1 65,7	62.0 61.5	70.3 70.1	65.0 64.7	60.9 60.4	69.3
1972 • 1971	71.1	67.4	75.1 75.0	72.0 72.0	68.3	75.9 75.8	65.6	61.6	69.8	64.6	60.4	69.1 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	l		
1968	70.2	66.6	74.1	71.1	67.5	75.0	64.1	60.4	67.9			
1967 1966	70.5 70.2	67.0 66.7	74.3 73.9	71.4 71.1	67.8 67.5	75.2 74.8	64.9 64.2	61.4 60.9	68.5 67.6	:::		
1965	70.2	66.8	73.8	71.1	67.6	74.8	64.3	61.2	67.6			
1964	70.2	66.8	73.7	71.0	67.7	74.7	64.2	61.3	67,3			
1963 4	69.9	66.6	73.4 73.5	70.8	67.4	74.4	63.7	61.0	66.6			
1962 * 1961	70.1 70.2	66.9 67.1	73.5 73.6	70.9 71.0	67.7 67.8	74.5 74.6	64.2 64.5	61.6 62.0	66.9 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	l ••••		
1958	69.6 69.5	66.6 66.4	72.9 72.7	70.5 70.3	67.4 67.2	73.9 73.7	63.4 63.0	61.0 60.7	65.8 65.5		:::	
1957 1956	69.7	66.7	72.9	70.5 70.5	67.5	73.7	63.6	61.3	66.1	l :::1		
1955	69.6	66.7	72.8	70.5	67.4	73.7	63.7	61.4	66.1	l		
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 1951	68.6 68.4	65.8 65.6	71.6 71.4	69.5 69.3	66.6 66.5	72.6 72.4	61.4 61.2	59.1 59.2	63.8 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 61.9			
1947 1946	66.8 66.7	64.4 64.4	69.7 69.4	67.6 67.5	65.2 65.1	70.5 70.3	59.7 59.1	57.9 57.5	61.0			
1945	65.9	63.6	67.9	66.8	64.4	69.5	I 57.7 I	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 1941	66.2 64.8	64.7 63.1	67.9 66.8	67.3 66.2	65.9 64.4	69.4 68.5	56.6 53.8	55.4 52.5	58.2 55.3		121	
1940	62.9	60.8	65.2	64.2 64.9	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 60.0	61.9 58.0	65.3 62.4	65.0 61.4	63.2 59.3	66.8	52.9 50.3	51.7 48.3	54.3 52.5			
1937 1936	58.5	56.6	60.6	59.8	58.0	63.8 61.9	49.0	48.3 47.0	52.5 51.4	:::	:::	
1935	61.7	59.9	63.9	62.9	61.0	65.0	53.1	51.3	51.4 55.2 53.7			
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 1931	62.1 61.1	61.0 59.4	63.5 63.1	63.2 62.6	62.0 60.8	64.5 64.7	53.7 50.4	52.8 49.5	54.6 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			

Table 6-5. Estimated Average Length of Life in Years, by Race and Sex: Death-Registration States, 1900-28, and United States, 1929-91—Con.

(Page 2 of 2)

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

		All races			White				All c	other		
Area and year		Mada	F1-	D-#-	Mala	Female		Total			Black	
	Both sexes	Male	Male Female		Both sexes Male		Both sexes	Male	Female	Both sexes	Male	Female
DEATH-REGISTRATION STATES												
1928	56.8 60.4 56.7 59.0	55.6 59.0 55.5 57.6	58.3 62.1 58.0 60.6	58.4 62.0 58.2 60.7	57.0 60.5 57.0 59.3	60.0 63.9 59.6 62.4	46.3 48.2 44.6 45.7	45.6 47.6 43.7 44.9	47.0 48.9 45.6 46.7			
1924	59.7 57.2 59.6 60.8 54.1	58.1 56.1 58.4 60.0 53.6	61.5 58.5 61.0 61.8 54.6	61.4 58.3 60.4 61.8 54.9	59.8 57.1 59.1 60.8 54.4	63.4 59.6 61.9 62.9 55.6	46.6 48.3 52.4 51.5 45.3	45.5 47.7 51.8 51.6 45.5	47.8 48.9 53.0 51.3 45.2			
1919	39.1 50.9	53.5 36.6 48.4 49.6 52.5	56.0 42.2 54.0 54.3 56.8	55.8 39.8 52.0 52.5 55.1	54.5 37.1 49.3 50.2 53.1	57.4 43.2 55.3 55.2 57.5	44.5 31.1 38.8 41.3 38.9	44.5 29.9 37.0 39.6 37.5	44.4 32.5 40.8 43.1 40.5			
1914	54.2 52.5 53.5 52.6 50.0	52.0 50.3 51.5 50.9 48.4	56.8 55.0 55.9 54.4 51.8	54.9 53.0 53.9 53.0 50.3	52.7 50.8 51.9 51.3 48.6	57.5 55.7 56.2 54.9 52.0	38.9 38.4 37.9 36.4 35.6	37.1 36.7 35.9 34.6 33.8	40.8 40.3 40.0 38.2 37.5			
1909	52.1 51.1 47.6 48.7 48.7	50.5 49.5 45.6 46.9 47.3	53.8 52.8 49.9 50.8 50.2	52.5 51.5 48.1 49.3 49.1	50.9 49.9 46.0 47.3 47.6	54.2 53.3 50.4 51.4 50.6	35.7 34.9 32.5 32.9 31.3	34.2 33.8 31.1 31.8 29.6	37.3 36.0 34.0 33.9 33.1			
1904 1903 1902 1902 1901	49.1	46.2 49.1 49.8 47.6 46.3	49.1 52.0 53.4 50.6 48.3	48.0 50.9 51.9 49.4 47.6	46.6 49.5 50.2 48.0 46.6	49.5 52.5 53.8 51.0 48.7	30.8 33.1 34.6 33.7 33.0	29.1 31.7 32.9 32.2 32.5	32.7 34.6 36.4 35.3 33.5			



Alaska included in 1959 and Hawaii in 1960.
 Life table values are revised and, therefore, may differ from those published in "Vital Statistics of the United States", Vol. II, Mortality, Part A for 1989 and earlier years; see Technical Appendix.
 Deaths based on a 50-percent sample.
 Figures by race exclude data for residents of New Jersey; see Technical Appendix.

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Division of Data Services
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Centers for Disease Control and Prevention
Public Health Service