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VOLUME II - SECTION 5

Life Tables

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Guide to tables in Section 5

	Table: 5	-1	-2	-3	-4	-5
	Page: 5	-8	-11	-12	-13	-15
Years:						
1900-1977						5[1]
1977 only		1	2	3		
Specified years and 1977					4[2]	
Type of entry:						
Proportion of dying ($_nq_x$)		1				
Number surviving (l_x)		1	2		4	
Number dying ($_nd_x$)		1				
Stationary population ($_nL_x$ and T_x)		1				
Average remaining lifetime ($\mathring{e}_x$)		1		3	4	
Average length of life ($\mathring{e}_0$)						5
Characteristics:						
Age by:						
Single years			2	3		
5-year intervals		1			4	
Sex-color specific		1	2	3	4	5
Sex specific		1	2	3		5
Color specific		1	2	3		5
Total population		1	2	3		5

[1]Entire United States for 1929-77; death-registration States for 1900-1928.
[2]Entire United States for specified years from 1929 to 1977; death-registration States for specified years from 1900 to 1921.

Section 5. Life tables

SECTION 5. LIFE TABLES

The mortality 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 during consecutive calendar years, the generation life table reflects the mortality experience of a cohort from birth until no lives remain in the group.

The better known current life table may, by 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 mortality rates observed for an actual population during a particular period. Thus, for example, a current life table for 1977 assumes a hypothetical cohort subject throughout its lifetime to the age-specific mortality rates prevailing for the actual population in 1977. The current life table may thus be characterized as rendering a "snapshot" of current mortality experience. In this section the term "life table" refers to the current life table only and not to the generation life table.

The life table program

There are three series of life tables prepared in the National Center for Health Statistics—complete, provisional abridged, and final abridged life tables. The complete life tables for the U.S. population contain life table values for single years of age and are based on decennial census data and deaths for a 3-year period about the census year and have been prepared since 1900. The provisional abridged life tables contain values by 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 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 population and the methods for constructing abridged life tables permit the preparation of abridged life tables which provide 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.[1] Methodology developed by Greville was used in constructing life tables for 1945 to 1952. Since 1953 a modified method has been employed.[2] U.S. life tables for the decennial period 1969-71 are used as the standard table in constructing the 1977 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, regardless of color. Starting with 1951 additional abridged life tables have been calculated for the total white and "all other" population, regardless of sex.

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 $\overset{\circ}{e}_x$ 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 has been responsible for the introduction of a third series, provisional abridged life tables. Starting with 1958 provisional abridged life tables have been published, for the total population only, in the "Annual Summary for the United States," *Monthly Vital Statistics Report.* Values in these life tables are based on population estimates provided by the Bureau of the Census and on the estimated number of deaths derived from the "Current Mortality Sample" (CMS). The CMS consists of one-tenth of

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[1]National Office of Vital Statistics: Method of constructing the abridged life tables for the United States, 1949, by T. N. E. Greville. *Vital Statistics-Special Reports,* Vol. 33, No. 15. Public Health Service. Washington, D.C., 1953.

[2]National Center for Health Statistics: Comparison of two methods of constructing abridged life tables by reference to a "standard" table, by M. G. Sirken. *Vital and Health Statistics.* PHS Pub. No. 1000-Series 2-No. 4. Public Health Service. Washington. U.S. Government Printing Office, 1966.

the death certificates filed in the vital statistics registration offices (50 States and the cities of Washington, D.C., and New York). The sample is taken by selecting 1 certificate out of every 10 death certificates received between two dates a month apart.

Life table values

The data used to prepare the abridged U.S. life tables for 1977 are the final mortality statistics and the midyear estimates of the population by age, color, and sex prepared by the U.S. Bureau of the Census. Selected life table values for 1900-1902, 1959-61, 1969-71, and 1977 are shown in tables 5-A and 5-B.

Expectation of life.—The most frequently used life table statistic is the expectation of life ($\mathring{e}_x$), i.e., the average remaining lifetime in years for persons who have attained a given age (x). Expectation of life and other life table values at specified ages in 1977 are shown for the total population and by color and sex in table 5-1. In addition, expectations of life at single years of age, by color and sex, are shown in table 5-3.

Life expectancy at birth for 1977 for the total population was 73.2 years, which represents the average number of years that the members of the life table cohort may expect to live at the time of birth (table 5-A).

Survivors to specified ages.—Another way of assessing longevity of the life table cohort is by determining the proportion of it that survives to specified ages. The l_x column provides the data for computing the proportion. For instance, for the total population, 75,595 out of the original life table cohort of 100,000 (or 75.6 percent) were alive at exact age 65 in 1977 (table 5-B).

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 1977 the median age at death for the total population was 76.8 years (table 5-B).

Table 5-A. Expectation of life at selected ages, by color and sex: Death-registration States, 1900-1902, and United States, 1959-61, 1969-71, and 1977

Life table value and age	Total	White		All other	
		Male	Female	Male	Female
Expectation of life:					
At birth					
1977	73.2	70.0	77.7	64.6	73.1
1969-71	70.75	67.94	75.49	60.98	69.05
1959-61	69.89	67.55	74.19	61.48	66.47
1900-1902[1]	49.24	48.23	51.08	32.54	35.04
At age 1 year					
1977	73.2	70.0	77.6	65.2	73.6
1969-71	71.19	68.33	75.66	62.13	70.01
1959-61	70.75	68.34	74.68	63.50	68.10
1900-1902[1]	55.20	54.61	56.39	42.46	43.54
At age 20 years					
1977	54.9	51.9	59.1	47.2	55.2
1969-71	53.00	50.22	57.24	44.37	51.85
1959-61	52.58	50.25	56.29	45.78	50.07
1900-1902[1]	42.79	42.19	43.77	35.11	36.89
At age 65 years					
1977	16.3	13.9	18.4	14.0	17.8
1969-71	15.00	13.02	16.93	12.87	15.99
1959-61	14.39	12.97	15.88	12.84	15.12
1900-1902[1]	11.86	11.51	12.23	10.38	11.38

[1]For 1900-1902 figures for "All other male" and "All other female" include only the black population, which comprised 95 percent or more of the "All other" population.

Table 5-B. Percent surviving from birth to selected ages, and median age at death, by color and sex: Death-registration States, 1900-1902, and United States, 1959-61, 1969-71, and 1977

Life table value and age	Total	White		All other	
		Male	Female	Male	Female
Percent surviving from birth:					
To age 1 year					
1977	98.6	98.6	98.9	97.6	98.0
1969-71	98.0	98.0	98.5	96.6	97.2
1959-61	97.4	97.4	98.0	95.3	96.2
1900-1902[1]	87.6	86.7	88.9	74.7	78.5
To age 20 years					
1977	97.5	97.2	98.2	96.0	97.1
1969-71	96.7	96.5	97.6	94.3	95.9
1959-61	96.1	95.9	97.1	93.1	94.7
1900-1902[1]	77.2	76.4	79.0	56.7	59.1
To age 65 years					
1977	75.6	70.7	83.8	55.8	72.7
1969-71	71.9	66.3	81.6	49.6	66.1
1959-61	71.1	65.8	80.7	51.4	60.8
1900-1902[1]	40.9	39.2	43.8	19.0	22.0
Median age at death					
1977	76.8	73.5	81.1	68.1	75.8
1969-71	74.9	71.5	79.5	64.8	72.8
1959-61	74.3	71.4	78.5	65.6	70.6
1900-1902[1]	58.4	57.2	60.6	29.8	34.3

[1]For 1900-1902 figures for "All other male" and "All other female" include only the black population, which comprised 95 percent or more of the "All other" population.

Trends and comparisons

In 1977 among the four color-sex groups white females had the highest life expectancy at birth (77.7 years), followed by females other than white (73.1 years), white males (70.0 years), and males other than white (64.6 years) (table 5-A). This same rank order was maintained by the color-sex groups for the expectation of life at ages 1, 20, and 65 years, except that the expectation of life for males other than white at age 65 (14.0 years) was greater than that for white males (13.9 years).

Trends in the expectation of life are shown in tables 5-A, 5-4, and 5-5. Table 5-4 shows the expectation of life and the number of cohort survivors at specified ages for the four color-sex groups around the census years since 1900 and for 1977. Table 5-5 shows expectations of life at birth for single calendar years since 1900. Many of the figures shown in this table were estimated (see Technical Appendix).

Between 1969-71 and 1977 the increase in years in the life expectancy at birth for each of the four color-sex groups was greater than the corresponding change between 1959-61 and 1969-71. Among the color-sex groups females other than white had the greatest increase (4.1 years) between 1969-71 and 1977, followed by males other than white, white females, and white males. For the four color-sex groups, the change in the life expectancy at birth (in years) based on life expectancies rounded to one decimal place was as follows:

Period	White		All other	
	Male	Female	Male	Female
1969-71 to 1977	2.1	2.2	3.6	4.1
1959-61 to 1969-71	0.4	1.3	-0.5	2.5

For 1977 the percent surviving from birth to age 65 years was greatest for white females (83.8 percent), followed by females other than white (72.7 percent), white males (70.7 percent), and males other than white (55.8 percent) (table 5-B).

Between 1969-71 and 1977 the increase in the percent surviving to age 65 years for each of the four color-sex groups was greater than the corresponding change between 1959-61 and 1969-71. Among the color-sex groups females other than white had the greatest increase (6.6 percentage points) between 1969-71 and 1977, followed by males other than white, white males, and white females. The change in the percent surviving to age 65 years was as follows:

Period	White		All other	
	Male	Female	Male	Female
1969-71 to 1977	4.4	2.2	6.2	6.6
1959-61 to 1969-71	0.5	0.9	-1.8	5.3

For 1977 white females had the highest median age at death (81.1 years), followed by females other than white (75.8 years), white males (73.5 years), and males other than white (68.1 years) (table 5-B).

The increase in the median age at death for each of the four color-sex groups was greater between 1969-71 and 1977 than the corresponding change in median age between 1959-61 and 1969-71. Among the color-sex groups males other than white had the greatest increase (3.3 years) between 1969-71 and 1977, followed by females other than white, white males, and white females. The increase in the median age at death (in years) was as follows:

Period	White		All other	
	Male	Female	Male	Female
1969-71 to 1977	2.0	1.6	3.3	3.0
1959-61 to 1969-71	0.1	1.0	-0.8	2.2

Technical appendix

The geographic areas covered in life tables prior to 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 5-4). Data for each year shown in table 5-5 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, 1961-73.—Life table values for 1961-69 are based on revised intercensal estimates of the populations for those years and were

constructed using the 1959-61 U.S. decennial life tables as the standard tables. Life table values for 1970-73 have been revised by using the 1969-71 decennial life tables as the standard tables. Previous 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.

New Jersey data, 1962-64.—The life tables for 1962 and 1963 for the six population groups involving color do not include data from the State of New Jersey. This State omitted the item on color or 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, color, 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, the "race not stated" deaths were allocated to white or 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 average length of life ($\mathring{e}_x$) for single calendar years prior to the initiation of the annual abridged life table series in 1945. The figures in table 5-5 for the following years, and color and sex groups were estimated to meet these needs.[3]

Years	*Color and sex groups*	*Years*	*Color and sex groups*
1900-1945	Total	1900-1944	White female
1900-1947	Male	1900-1950	All other
1900-1947	Female	1900-1944	All other male
1900-1950	White	1900-1944	All other female
1900-1944	White male		

[3]For estimating procedure, see National Office of Vital Statistics, "Estimated Average Length of Life in the Death-Registration States," by T. N. E. Greville and G. A. Carlson. *Vital Statistics-Special Reports,* Vol. 33, No. 9. Public Health Service. Washington, D.C., 1951.

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" means the 5-year interval between the 20th birthday and the 25th.

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 0.0101—out of every 1,000 males alive and exactly 20 years old at the beginning of the period about 10 will die before reaching their 25th birthday. In orther words, the $_nq_x$ values represent *probabilities* that persons who are alive at the beginning of a specific age interval will die before reaching the beginning of the next age interval. The "proportion dying" column forms the basis of the life table; the life table is so constructed that all other columns are derived from it.

Column 3—Number surviving (l_x).—This column shows the number of persons, starting with a cohort of 100,000 live births, who survive to the exact age marking the beginning of each age interval. The l_x values are computed from the $_nq_x$ values, which are successively applied to the remainder of the original 100,000 persons still alive at the beginning of each age interval. Thus out of 100,000 male babies born alive, 98,414 will complete the first year of life and enter the second; 98,117 will begin the sixth year; 96,985 will reach age 20; and 16,403 will live to age 85.

Column 4—Number dying ($_nd_x$).—This column shows the number dying in each successive age interval out of 100,000 live births. Out of 100,000 males born alive, 1,586 die in the first year of life, 297 in the succeeding 4 years, 975 in the 5-year period between exact ages 20 and 25, and 16,403 die after reaching age 85. Each figure in column 4 is the difference between two successive figures in column 3.

Columns 5 and 6—Stationary population ($_nL_x$ and T_x).—Suppose that a group of 100,000 individuals like that assumed in columns 3 and 4 is born every year and that the proportions dying in each such group in each age interval throughout the lives of the members are exactly those shown in column 2. If there were no migration and if the births were evenly distributed over the calendar year, the survivors of these births would make up what is called a stationary population—stationary because in such a population the number of persons living in any given age group would never change. When an individual left the group, either by death or by growing older and entering the next higher age group, his place would immediately be taken by someone 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 which 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 is 482,517. 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 482,517 persons between exact ages 20 and 25.

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 4,974,627 persons who have passed their 20th birthday. The male population at all ages 0 and above (in other words, the total male population of the stationary community) would be 6,932,304.

Column 7—Average remaining lifetime ($\mathring{e}_x$).—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. In order 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 482,517 for males in the age interval 20-25 is the total number of years lived between the 20th and 25th birthdays by the 96,985 (column 3) who reached the 20th birthday out of 100,000 males born alive. The corresponding figure (4,974,627) in col-

umn 6 is the total number of years lived after attaining age 20 by the 96,985 reaching that age. This number of years divided by the number of persons (4,974,627 divided by 96,985) gives 51.3 years as the average remaining lifetime of males at age 20.

Care must be exercised in drawing conclusions from the figures in column 7. Thus in observing that the average remaining lifetime of white persons is greater than for those in the all other category, one should not conclude that the oldest ages reached by white persons necessarily exceed those attained by the most long-lived of the all other group. The difference in the average length of life results from the fact that a greater proportion of all other persons die before reaching old age. For example, the number surviving to age 65 out of 100,000 born alive is far greater among white persons than among all other persons; yet the average length of life remaining at age 65 is nearly the same for both groups.

Table 5-1. Abridged Life Tables by Color and Sex: United States, 1977

AGE INTERVAL	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED IN YEARS	PROPORTION OF PERSONS ALIVE AT BEGINNING OF AGE INTERVAL DYING DURING INTERVAL	NUMBER LIVING AT BEGINNING OF AGE INTERVAL	NUMBER DYING DURING AGE INTERVAL	IN THE AGE INTERVAL	IN THIS AND ALL SUBSEQUENT AGE INTERVALS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF AGE INTERVAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to x+n	${}_nq_x$	l_x	${}_nd_x$	${}_nL_x$	T_x	$\mathring{e}_x$
TOTAL						
0-1	0.0142	100,000	1,421	98,751	7,316,270	73.2
1-5	.0027	98,579	268	393,693	7,217,519	73.2
5-10	.0017	98,311	167	491,106	6,823,826	69.4
10-15	.0018	98,144	173	490,355	6,332,720	64.5
15-20	.0051	97,971	499	488,723	5,842,365	59.6
20-25	.0067	97,472	650	485,756	5,353,642	54.9
25-30	.0066	96,822	637	482,517	4,867,886	50.3
30-35	.0070	96,185	677	479,306	4,385,369	45.6
35-40	.0097	95,508	928	475,369	3,906,063	40.9
40-45	.0151	94,580	1,428	469,565	3,430,694	36.3
45-50	.0239	93,152	2,222	460,552	2,961,129	31.8
50-55	.0372	90,930	3,379	446,727	2,500,577	27.5
55-60	.0555	87,551	4,861	426,258	2,053,850	23.5
60-65	.0858	82,690	7,095	396,531	1,627,592	19.7
65-70	.1173	75,595	8,868	356,669	1,231,061	16.3
70-75	.1764	66,727	11,768	305,147	874,392	13.1
75-80	.2647	54,959	14,550	238,929	569,245	10.4
80-85	.3612	40,409	14,596	164,964	330,316	8.2
85 AND OVER	1.0000	25,813	25,813	165,352	165,352	6.4
MALE						
0-1	0.0159	100,000	1,586	98,606	6,932,304	69.3
1-5	.0030	98,414	297	392,973	6,833,698	69.4
5-10	.0020	98,117	200	490,052	6,440,725	65.6
10-15	.0022	97,917	217	489,147	5,950,673	60.8
15-20	.0073	97,700	715	486,899	5,461,526	55.9
20-25	.0101	96,985	975	482,517	4,974,627	51.3
25-30	.0096	96,010	926	477,698	4,492,110	46.8
30-35	.0096	95,084	916	473,209	4,014,412	42.2
35-40	.0129	94,168	1,213	467,993	3,541,203	37.6
40-45	.0195	92,955	1,808	460,555	3,073,210	33.1
45-50	.0309	91,147	2,813	449,157	2,612,655	28.7
50-55	.0489	88,334	4,318	431,574	2,163,498	24.5
55-60	.0737	84,016	6,190	405,439	1,731,924	20.6
60-65	.1151	77,826	8,959	367,653	1,326,485	17.0
65-70	.1605	68,867	11,052	317,470	958,832	13.9
70-75	.2354	57,815	13,612	255,493	641,362	11.1
75-80	.3384	44,203	14,957	183,233	385,869	8.7
80-85	.4391	29,246	12,843	112,755	202,636	6.9
85 AND OVER	1.0000	16,403	16,403	89,881	89,881	5.5
FEMALE						
0-1	0.0125	100,000	1,248	98,902	7,709,081	77.1
1-5	.0024	98,752	238	394,448	7,610,179	77.1
5-10	.0014	98,514	134	492,207	7,215,731	73.2
10-15	.0013	98,380	126	491,617	6,723,524	68.3
15-20	.0028	98,254	277	490,625	6,231,907	63.4
20-25	.0033	97,977	321	489,096	5,741,282	58.6
25-30	.0036	97,656	349	487,436	5,252,186	53.8
30-35	.0045	97,307	438	485,508	4,764,750	49.0
35-40	.0067	96,869	650	482,831	4,279,242	44.2
40-45	.0110	96,219	1,054	478,630	3,796,411	39.5
45-50	.0172	95,165	1,633	471,983	3,317,781	34.9
50-55	.0262	93,532	2,447	461,889	2,845,798	30.4
55-60	.0386	91,085	3,517	447,094	2,383,909	26.2
60-65	.0593	87,568	5,191	425,571	1,936,815	22.1
65-70	.0815	82,377	6,717	396,042	1,511,244	18.3
70-75	.1303	75,660	9,855	354,983	1,115,202	14.7
75-80	.2136	65,805	14,054	295,213	760,219	11.6
80-85	.3136	51,751	16,229	218,391	465,006	9.0
85 AND OVER	1.0000	35,522	35,522	246,615	246,615	6.9

Table 5-1. Abridged Life Tables by Color and Sex: United States, 1977—Con.

AGE INTERVAL	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED IN YEARS	PROPORTION OF PERSONS ALIVE AT BEGINNING OF AGE INTERVAL DYING DURING INTERVAL	NUMBER LIVING AT BEGINNING OF AGE INTERVAL	NUMBER DYING DURING AGE INTERVAL	IN THE AGE INTERVAL	IN THIS AND ALL SUBSEQUENT AGE INTERVALS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF AGE INTERVAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+n$	${}_nq_x$	l_x	${}_nd_x$	${}_nL_x$	T_x	$\mathring{e}_x$
WHITE						
0-1	0.0124	100,000	1,241	98,906	7,383,537	73.8
1-5	.0025	98,759	244	394,475	7,284,631	73.8
5-10	.0016	98,515	159	492,150	6,890,156	69.9
10-15	.0017	98,356	167	491,427	6,398,006	65.0
15-20	.0051	98,189	499	489,804	5,906,579	60.2
20-25	.0062	97,690	609	486,932	5,416,775	55.4
25-30	.0057	97,081	554	484,010	4,929,843	50.8
30-35	.0061	96,527	584	481,238	4,445,833	46.1
35-40	.0083	95,943	795	477,869	3,964,595	41.3
40-45	.0131	95,148	1,248	472,850	3,486,726	36.6
45-50	.0215	93,900	2,022	464,789	3,013,876	32.1
50-55	.0343	91,878	3,149	452,045	2,549,087	27.7
55-60	.0522	88,729	4,630	432,735	2,097,042	23.6
60-65	.0821	84,099	6,905	404,067	1,664,307	19.8
65-70	.1152	77,194	8,891	364,675	1,260,240	16.3
70-75	.1713	68,303	11,702	313,287	895,565	13.1
75-80	.2604	56,601	14,740	246,780	582,278	10.3
80-85	.3658	41,861	15,312	170,449	335,498	8.0
85 AND OVER	1.0000	26,549	26,549	165,049	165,049	6.2
WHITE, MALE						
0-1	0.0140	100,000	1,398	98,765	7,003,529	70.0
1-5	.0028	98,602	272	393,788	6,904,764	70.0
5-10	.0019	98,330	189	491,149	6,510,976	66.2
10-15	.0021	98,141	209	490,283	6,019,827	61.3
15-20	.0073	97,932	717	488,044	5,529,544	56.5
20-25	.0095	97,215	920	483,785	5,041,500	51.9
25-30	.0083	96,295	801	479,426	4,557,715	47.3
30-35	.0082	95,494	782	475,582	4,078,289	42.7
35-40	.0109	94,712	1,032	471,159	3,602,707	38.0
40-45	.0168	93,680	1,575	464,756	3,131,548	33.4
45-50	.0279	92,105	2,570	454,553	2,666,792	29.0
50-55	.0454	89,535	4,063	438,228	2,212,239	24.7
55-60	.0698	85,472	5,962	413,317	1,774,011	20.8
60-65	.1110	79,510	8,823	376,456	1,360,694	17.1
65-70	.1589	70,687	11,235	326,184	984,238	13.9
70-75	.2320	59,452	13,796	263,294	658,054	11.1
75-80	.3367	45,656	15,374	189,524	394,760	8.6
80-85	.4462	30,282	13,512	116,212	205,236	6.8
85 AND OVER	1.0000	16,770	16,770	89,024	89,024	5.3
WHITE, FEMALE						
0-1	0.0107	100,000	1,075	99,056	7,773,831	77.7
1-5	.0022	98,925	215	395,201	7,674,775	77.6
5-10	.0013	98,710	126	493,210	7,279,574	73.7
10-15	.0013	98,584	123	492,641	6,786,364	68.8
15-20	.0028	98,461	271	491,670	6,293,723	63.9
20-25	.0030	98,190	292	490,227	5,802,053	59.1
25-30	.0031	97,898	300	488,762	5,311,826	54.3
30-35	.0039	97,598	382	487,092	4,823,064	49.4
35-40	.0057	97,216	559	484,785	4,335,972	44.6
40-45	.0095	96,657	918	481,156	3,851,187	39.8
45-50	.0154	95,739	1,470	475,254	3,370,031	35.2
50-55	.0237	94,269	2,238	466,090	2,894,777	30.7
55-60	.0357	92,031	3,286	452,393	2,428,687	26.4
60-65	.0557	88,745	4,948	432,056	1,976,294	22.3
65-70	.0787	83,797	6,596	403,510	1,544,238	18.4
70-75	.1242	77,201	9,589	363,453	1,140,728	14.8
75-80	.2077	67,612	14,046	304,398	777,275	11.5
80-85	.3168	53,566	16,970	225,681	472,877	8.8
85 AND OVER	1.0000	36,596	36,596	247,196	247,196	6.8

Table 5-1. Abridged Life Tables by Color and Sex: United States, 1977—Con.

AGE INTERVAL	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED IN YEARS	PROPORTION OF PERSONS ALIVE AT BEGINNING OF AGE INTERVAL DYING DURING INTERVAL	NUMBER LIVING AT BEGINNING OF AGE INTERVAL	NUMBER DYING DURING AGE INTERVAL	IN THE AGE INTERVAL	IN THIS AND ALL SUBSEQUENT AGE INTERVALS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF AGE INTERVAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+n$	${}_nq_x$	l_x	${}_nd_x$	${}_nL_x$	T_x	$\mathring{e}_x$
ALL OTHER						
0-1	0.0219	100,000	2,185	98,090	6,883,793	68.8
1-5	.0038	97,815	371	390,372	6,785,703	69.4
5-10	.0022	97,444	210	486,643	6,395,331	65.6
10-15	.0021	97,234	200	485,747	5,908,688	60.8
15-20	.0052	97,034	508	484,055	5,422,941	55.9
20-25	.0092	96,526	890	480,513	4,938,886	51.2
25-30	.0123	95,636	1,176	475,300	4,458,373	46.6
30-35	.0139	94,460	1,314	469,160	3,983,073	42.2
35-40	.0195	93,146	1,815	461,424	3,513,913	37.7
40-45	.0286	91,331	2,614	450,426	3,052,489	33.4
45-50	.0409	88,717	3,628	434,913	2,602,063	29.3
50-55	.0606	85,089	5,152	413,078	2,167,150	25.5
55-60	.0853	79,937	6,815	383,219	1,754,072	21.9
60-65	.1207	73,122	8,824	344,170	1,370,853	18.7
65-70	.1350	64,298	8,681	300,197	1,026,683	16.0
70-75	.2297	55,617	12,777	246,368	726,486	13.1
75-80	.3125	42,840	13,387	180,015	480,118	11.2
80-85	.3096	29,453	9,118	123,643	300,103	10.2
85 AND OVER	1.0000	20,335	20,335	176,460	176,460	8.7
ALL OTHER, MALE						
0-1	0.0239	100,000	2,391	97,926	6,464,504	64.6
1-5	.0042	97,609	409	389,469	6,366,578	65.2
5-10	.0026	97,200	251	485,318	5,977,109	61.5
10-15	.0027	96,949	263	484,211	5,491,791	56.6
15-20	.0073	96,686	707	481,905	5,007,580	51.8
20-25	.0138	95,979	1,327	476,750	4,525,675	47.2
25-30	.0189	94,652	1,793	468,808	4,048,925	42.8
30-35	.0206	92,859	1,911	459,676	3,580,117	38.6
35-40	.0277	90,948	2,518	448,724	3,120,441	34.3
40-45	.0389	88,430	3,441	433,903	2,671,717	30.2
45-50	.0537	84,989	4,563	413,989	2,237,814	26.3
50-55	.0783	80,426	6,296	386,969	1,823,825	22.7
55-60	.1095	74,130	8,117	350,910	1,436,856	19.4
60-65	.1553	66,013	10,254	304,924	1,085,946	16.5
65-70	.1737	55,759	9,686	254,830	781,022	14.0
70-75	.2692	46,073	12,402	199,266	526,192	11.4
75-80	.3541	33,671	11,924	137,466	326,926	9.7
80-85	.3640	21,747	7,915	87,868	189,460	8.7
85 AND OVER	1.0000	13,832	13,832	101,592	101,592	7.3
ALL OTHER, FEMALE						
0-1	0.0197	100,000	1,973	98,260	7,312,778	73.1
1-5	.0034	98,027	332	391,303	7,214,518	73.6
5-10	.0017	97,695	168	488,007	6,823,215	69.8
10-15	.0014	97,527	137	487,330	6,335,208	65.0
15-20	.0032	97,390	307	486,261	5,847,878	60.0
20-25	.0050	97,083	482	484,272	5,361,617	55.2
25-30	.0066	96,601	636	481,492	4,877,345	50.5
30-35	.0083	95,965	793	477,971	4,395,853	45.8
35-40	.0127	95,172	1,212	473,015	3,917,882	41.2
40-45	.0200	93,960	1,882	465,340	3,444,867	36.7
45-50	.0296	92,078	2,729	453,890	2,979,527	32.4
50-55	.0448	89,349	4,007	437,149	2,525,637	28.3
55-60	.0635	85,342	5,422	413,696	2,088,488	24.5
60-65	.0907	79,920	7,252	382,179	1,674,792	21.0
65-70	.1036	72,668	7,526	345,050	1,292,613	17.8
70-75	.1956	65,142	12,741	294,377	947,563	14.5
75-80	.2787	52,401	14,605	225,229	653,186	12.5
80-85	.2711	37,796	10,246	162,860	427,957	11.3
85 AND OVER	1.0000	27,550	27,550	265,097	265,097	9.6

Table 5-2. Number of Survivors at Single Years of Age, Out of 100,000 Born Alive, by Color and Sex: United States, 1977

AGE	TOTAL			WHITE			ALL OTHER		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,579	98,414	98,752	98,759	98,602	98,925	97,815	97,609	98,027
2	98,487	98,312	98,671	98,675	98,507	98,852	97,692	97,476	97,916
3	98,415	98,233	98,607	98,610	98,435	98,794	97,592	97,367	97,826
4	98,358	98,170	98,556	98,558	98,378	98,748	97,511	97,276	97,753
5	98,311	98,117	98,514	98,515	98,330	98,710	97,444	97,200	97,695
6	98,270	98,069	98,479	98,477	98,286	98,678	97,388	97,136	97,648
7	98,233	98,025	98,450	98,442	98,245	98,650	97,341	97,081	97,610
8	98,200	97,984	98,424	98,410	98,206	98,626	97,301	97,032	97,578
9	98,170	97,948	98,401	98,381	98,171	98,604	97,266	96,989	97,551
10	98,144	97,917	98,380	98,356	98,141	98,584	97,234	96,949	97,527
11	98,120	97,890	98,360	98,334	98,116	98,565	97,204	96,911	97,505
12	98,096	97,863	98,340	98,312	98,091	98,546	97,172	96,870	97,482
13	98,067	97,828	98,317	98,284	98,058	98,524	97,136	96,823	97,457
14	98,027	97,776	98,289	98,245	98,007	98,496	97,091	96,763	97,427
15	97,971	97,700	98,254	98,189	97,932	98,461	97,034	96,686	97,390
16	97,898	97,598	98,210	98,115	97,829	98,417	96,963	96,590	97,345
17	97,808	97,471	98,158	98,024	97,700	98,366	96,877	96,473	97,291
18	97,704	97,323	98,100	97,919	97,550	98,309	96,776	96,333	97,229
19	97,591	97,159	98,039	97,806	97,387	98,249	96,659	96,169	97,159
20	97,472	96,985	97,977	97,690	97,215	98,190	96,526	95,979	97,083
21	97,348	96,801	97,915	97,570	97,036	98,131	96,377	95,763	97,000
22	97,219	96,607	97,851	97,447	96,850	98,072	96,213	95,520	96,910
23	97,087	96,407	97,787	97,323	96,661	98,014	96,034	95,253	96,813
24	96,954	96,207	97,722	97,200	96,475	97,956	95,841	94,963	96,710
25	96,822	96,010	97,656	97,081	96,295	97,898	95,636	94,652	96,601
26	96,692	95,817	97,589	96,965	96,123	97,840	95,418	94,320	96,485
27	96,564	95,628	97,521	96,853	95,958	97,782	95,188	93,967	96,362
28	96,437	95,444	97,452	96,744	95,800	97,723	94,949	93,600	96,234
29	96,311	95,263	97,381	96,636	95,646	97,662	94,705	93,229	96,101
30	96,185	95,084	97,307	96,527	95,494	97,598	94,460	92,859	95,965
31	96,057	94,907	97,230	96,417	95,343	97,531	94,214	92,492	95,824
32	95,928	94,730	97,148	96,305	95,192	97,460	93,965	92,126	95,678
33	95,795	94,551	97,061	96,190	95,038	97,384	93,708	91,753	95,523
34	95,656	94,365	96,969	96,070	94,879	97,303	93,437	91,363	95,355
35	95,508	94,168	96,869	95,943	94,712	97,216	93,146	90,948	95,172
36	95,350	93,958	96,761	95,808	94,534	97,123	92,834	90,505	94,971
37	95,180	93,734	96,644	95,663	94,344	97,022	92,499	90,034	94,752
38	94,996	93,493	96,516	95,506	94,139	96,912	92,138	89,533	94,512
39	94,797	93,234	96,375	95,335	93,918	96,791	91,750	88,999	94,249
40	94,580	92,955	96,219	95,148	93,680	96,657	91,331	88,430	93,960
41	94,343	92,653	96,046	94,944	93,421	96,508	90,879	87,822	93,643
42	94,084	92,324	95,855	94,720	93,138	96,343	90,392	87,173	93,296
43	93,801	91,966	95,645	94,473	92,827	96,161	89,869	86,484	92,920
44	93,491	91,575	95,416	94,201	92,484	95,960	89,311	85,756	92,514
45	93,152	91,147	95,165	93,900	92,105	95,739	88,717	84,989	92,078
46	92,782	90,680	94,892	93,568	91,686	95,496	88,086	84,182	91,612
47	92,378	90,170	94,594	93,203	91,224	95,229	87,415	83,331	91,112
48	91,937	89,613	94,269	92,802	90,715	94,936	86,697	82,428	90,572
49	91,455	89,002	93,916	92,361	90,153	94,617	85,924	81,462	89,986
50	90,930	88,334	93,532	91,878	89,535	94,269	85,089	80,426	89,349
51	90,356	87,603	93,115	91,349	88,854	93,890	84,189	79,314	88,657
52	89,732	86,805	92,662	90,770	88,108	93,478	83,222	78,126	87,909
53	89,057	85,941	92,173	90,141	87,295	93,031	82,190	76,864	87,106
54	88,330	85,012	91,648	89,461	86,417	92,549	81,095	75,531	86,250
55	87,551	84,016	91,085	88,729	85,472	92,031	79,937	74,130	85,342
56	86,720	82,954	90,484	87,945	84,460	91,475	78,723	72,668	84,386
57	85,831	81,821	89,842	87,103	83,374	90,878	77,449	71,143	83,380
58	84,873	80,601	89,149	86,191	82,199	90,230	76,102	69,538	82,310
59	83,830	79,274	88,394	85,193	80,916	89,522	74,663	67,832	81,160
60	82,690	77,826	87,568	84,099	79,510	88,745	73,122	66,013	79,920
61	81,445	76,250	86,663	82,900	77,975	87,892	71,461	64,066	78,572
62	80,097	74,549	85,679	81,599	76,313	86,962	69,692	62,006	77,122
63	78,660	72,738	84,627	80,205	74,535	85,962	67,865	59,888	75,617
64	77,155	70,839	83,523	78,733	72,656	84,905	66,052	57,789	74,119
65	75,595	68,867	82,377	77,194	70,687	83,797	64,298	55,759	72,668
66	73,984	66,830	81,188	75,590	68,634	82,636	62,632	53,829	71,289
67	72,313	64,722	79,944	73,912	66,493	81,412	61,025	51,975	69,950
68	70,563	62,530	78,625	72,149	64,256	80,110	59,393	50,126	68,559
69	68,707	60,232	77,204	70,284	61,911	78,712	57,618	48,182	66,986
70	66,727	57,815	75,660	68,303	59,452	77,201	55,617	46,073	65,142
71	64,623	55,284	73,989	66,209	56,886	75,576	53,372	43,784	63,009
72	62,401	52,652	72,189	64,004	54,223	73,831	50,921	41,351	60,623
73	60,053	49,923	70,239	61,676	51,463	71,940	48,306	38,814	58,021
74	57,573	47,103	68,116	59,210	48,605	69,874	45,593	36,237	55,262
75	54,959	44,203	65,805	56,601	45,656	67,612	42,840	33,671	52,401
76	52,220	41,240	63,306	53,853	42,631	65,149	40,085	31,149	49,480
77	49,371	38,235	60,630	50,981	39,551	62,493	37,350	28,687	46,528
78	46,435	35,214	57,796	48,007	36,445	59,663	34,651	26,291	43,572
79	43,438	32,207	54,828	44,958	33,344	56,680	32,008	23,971	40,646
80	40,409	29,246	51,751	41,861	30,282	53,566	29,453	21,747	37,796
81	37,376	26,365	48,589	38,742	27,292	50,340	27,034	19,654	35,086
82	34,369	23,600	45,365	35,627	24,410	47,018	24,819	17,741	32,597
83	31,418	20,990	42,100	32,541	21,672	43,614	22,892	16,076	30,430
84	28,555	18,577	38,813	29,507	19,113	40,138	21,357	14,740	28,702
85	25,813	16,403	35,522	26,549	16,770	36,596	20,335	13,832	27,550

Table 5-3. Expectation of Life at Single Years of Age, by Color and Sex: United States, 1977

AGE	TOTAL			WHITE			ALL OTHER		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
0	73.2	69.3	77.1	73.8	70.0	77.7	68.8	64.6	73.1
1	73.2	69.4	77.1	73.8	70.0	77.6	69.4	65.2	73.6
2	72.3	68.5	76.1	72.8	69.1	76.6	68.5	64.3	72.7
3	71.3	67.6	75.2	71.9	68.1	75.7	67.5	63.4	71.7
4	70.4	66.6	74.2	70.9	67.2	74.7	66.6	62.4	70.8
5	69.4	65.6	73.2	69.9	66.2	73.7	65.6	61.5	69.8
6	68.4	64.7	72.3	69.0	65.2	72.8	64.7	60.5	68.9
7	67.5	63.7	71.3	68.0	64.3	71.8	63.7	59.6	67.9
8	66.5	62.7	70.3	67.0	63.3	70.8	62.7	58.6	66.9
9	65.5	61.8	69.3	66.0	62.3	69.8	61.7	57.6	65.9
10	64.5	60.8	68.3	65.0	61.3	68.8	60.8	56.6	65.0
11	63.5	59.8	67.4	64.1	60.4	67.9	59.8	55.7	64.0
12	62.6	58.8	66.4	63.1	59.4	66.9	58.8	54.7	63.0
13	61.6	57.8	65.4	62.1	58.4	65.9	57.8	53.7	62.0
14	60.6	56.9	64.4	61.1	57.4	64.9	56.9	52.8	61.0
15	59.6	55.9	63.4	60.2	56.5	63.9	55.9	51.8	60.0
16	58.7	55.0	62.5	59.2	55.5	62.9	54.9	50.8	59.1
17	57.7	54.0	61.5	58.3	54.6	62.0	54.0	49.9	58.1
18	56.8	53.1	60.5	57.3	53.7	61.0	53.0	49.0	57.1
19	55.9	52.2	59.6	56.4	52.8	60.1	52.1	48.1	56.2
20	54.9	51.3	58.6	55.4	51.9	59.1	51.2	47.2	55.2
21	54.0	50.4	57.6	54.5	51.0	58.1	50.2	46.3	54.3
22	53.1	49.5	56.7	53.6	50.1	57.2	49.3	45.4	53.3
23	52.1	48.6	55.7	52.7	49.1	56.2	48.4	44.5	52.4
24	51.2	47.7	54.7	51.7	48.2	55.2	47.5	43.6	51.4
25	50.3	46.8	53.8	50.8	47.3	54.3	46.6	42.8	50.5
26	49.3	45.9	52.8	49.8	46.4	53.3	45.7	41.9	49.5
27	48.4	45.0	51.9	48.9	45.5	52.3	44.8	41.1	48.6
28	47.5	44.1	50.9	48.0	44.6	51.4	43.9	40.2	47.7
29	46.5	43.1	49.9	47.0	43.6	50.4	43.1	39.4	46.7
30	45.6	42.2	49.0	46.1	42.7	49.4	42.2	38.6	45.8
31	44.7	41.3	48.0	45.1	41.8	48.5	41.3	37.7	44.9
32	43.7	40.4	47.0	44.2	40.8	47.5	40.4	36.9	43.9
33	42.8	39.4	46.1	43.2	39.9	46.5	39.5	36.0	43.0
34	41.8	38.5	45.1	42.3	39.0	45.6	38.6	35.2	42.1
35	40.9	37.6	44.2	41.3	38.0	44.6	37.7	34.3	41.2
36	40.0	36.7	43.2	40.4	37.1	43.6	36.9	33.5	40.3
37	39.0	35.8	42.3	39.4	36.2	42.7	36.0	32.6	39.3
38	38.1	34.9	41.3	38.5	35.3	41.7	35.1	31.8	38.4
39	37.2	34.0	40.4	37.6	34.3	40.8	34.3	31.0	37.5
40	36.3	33.1	39.5	36.6	33.4	39.8	33.4	30.2	36.7
41	35.4	32.2	38.5	35.7	32.5	38.9	32.6	29.4	35.8
42	34.5	31.3	37.6	34.8	31.6	38.0	31.8	28.6	34.9
43	33.6	30.4	36.7	33.9	30.7	37.0	30.9	27.9	34.1
44	32.7	29.5	35.8	33.0	29.8	36.1	30.1	27.1	33.2
45	31.8	28.7	34.9	32.1	29.0	35.2	29.3	26.3	32.4
46	30.9	27.8	34.0	31.2	28.1	34.3	28.5	25.6	31.5
47	30.0	27.0	33.1	30.3	27.2	33.4	27.8	24.8	30.7
48	29.2	26.1	32.2	29.5	26.4	32.5	27.0	24.1	29.9
49	28.3	25.3	31.3	28.6	25.5	31.6	26.2	23.4	29.1
50	27.5	24.5	30.4	27.7	24.7	30.7	25.5	22.7	28.3
51	26.7	23.7	29.6	26.9	23.9	29.8	24.7	22.0	27.5
52	25.9	22.9	28.7	26.1	23.1	29.0	24.0	21.3	26.7
53	25.0	22.1	27.9	25.2	22.3	28.1	23.3	20.7	26.0
54	24.2	21.4	27.0	24.4	21.5	27.2	22.6	20.0	25.2
55	23.5	20.6	26.2	23.6	20.8	26.4	21.9	19.4	24.5
56	22.7	19.9	25.3	22.8	20.0	25.5	21.3	18.8	23.7
57	21.9	19.1	24.5	22.1	19.3	24.7	20.6	18.2	23.0
58	21.2	18.4	23.7	21.3	18.5	23.9	20.0	17.6	22.3
59	20.4	17.7	22.9	20.5	17.8	23.1	19.3	17.0	21.6
60	19.7	17.0	22.1	19.8	17.1	22.3	18.7	16.5	21.0
61	19.0	16.4	21.3	19.1	16.4	21.5	18.2	15.9	20.3
62	18.3	15.7	20.6	18.4	15.8	20.7	17.6	15.4	19.7
63	17.6	15.1	19.8	17.7	15.2	19.9	17.1	15.0	19.1
64	16.9	14.5	19.1	17.0	14.5	19.2	16.5	14.5	18.4
65	16.3	13.9	18.3	16.3	13.9	18.4	16.0	14.0	17.8
66	15.6	13.3	17.6	15.7	13.3	17.7	15.4	13.5	17.1
67	15.0	12.8	16.9	15.0	12.7	16.9	14.8	13.0	16.4
68	14.3	12.2	16.1	14.4	12.2	16.2	14.2	12.4	15.8
69	13.7	11.6	15.4	13.7	11.6	15.5	13.6	11.9	15.1
70	13.1	11.1	14.7	13.1	11.1	14.8	13.1	11.4	14.5
71	12.5	10.6	14.1	12.5	10.5	14.1	12.6	11.0	14.0
72	11.9	10.1	13.4	11.9	10.0	13.4	12.2	10.6	13.6
73	11.4	9.6	12.8	11.4	9.6	12.7	11.8	10.3	13.2
74	10.9	9.2	12.1	10.8	9.1	12.1	11.5	10.0	12.8
75	10.4	8.7	11.6	10.3	8.6	11.5	11.2	9.7	12.5
76	9.9	8.3	11.0	9.8	8.2	10.9	10.9	9.5	12.2
77	9.4	7.9	10.5	9.3	7.8	10.4	10.7	9.2	11.9
78	9.0	7.6	9.9	8.9	7.5	9.8	10.5	9.0	11.7
79	8.6	7.2	9.5	8.4	7.1	9.3	10.3	8.9	11.5
80	8.2	6.9	9.0	8.0	6.8	8.8	10.2	8.7	11.3
81	7.8	6.6	8.5	7.6	6.5	8.4	10.0	8.6	11.1
82	7.4	6.3	8.1	7.2	6.2	7.9	9.9	8.4	10.9
83	7.1	6.1	7.7	6.9	5.9	7.5	9.6	8.2	10.7
84	6.7	5.8	7.3	6.5	5.6	7.1	9.3	7.9	10.2
85	6.4	5.5	6.9	6.2	5.3	6.8	8.7	7.3	9.6

Table 5-4. Life Table Values by Color and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1977

[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. For 1900-1902 to 1929-31, figures for "All other, male" and "All other, female" include only the black population. However, in no case did the black population comprise less than 95 percent of the corresponding "All other" population]

AGE, COLOR, AND SEX	NUMBER OF SURVIVORS OUT OF 100,000 BORN ALIVE (l_x)								
	1977[1]	1969-71[1]	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
WHITE, MALE									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,602	97,994	97,408	96,931	95,188	93,768	91,975	87,674	86,655
5	98,330	97,671	97,015	96,403	94,150	91,738	88,842	82,972	80,864
10	98,141	97,441	96,758	96,069	93,601	90,810	87,530	81,519	79,109
15	97,932	97,208	96,503	95,728	93,089	90,074	86,546	80,549	78,037
20	97,215	96,480	95,908	95,104	92,293	88,904	84,997	79,116	76,376
25	96,295	95,524	95,106	94,294	91,241	87,371	83,061	77,047	73,907
30	95,494	94,716	94,401	93,489	90,092	85,707	80,888	74,810	71,219
35	94,712	93,843	93,589	92,543	88,713	83,812	78,441	72,108	68,245
40	93,680	92,631	92,427	91,173	86,880	81,457	75,733	68,848	64,954
45	92,105	90,725	90,533	89,002	84,285	78,345	72,696	65,115	61,369
50	89,535	87,690	87,424	85,601	80,521	74,288	69,107	60,741	57,274
55	85,472	83,001	82,463	80,496	75,156	68,981	64,574	55,622	52,491
60	79,510	75,969	75,485	73,172	67,787	61,933	58,498	48,987	46,452
65	70,687	66,343	65,834	63,541	58,305	52,964	50,663	40,862	39,245
70	59,452	54,138	53,825	51,735	46,739	41,880	40,873	31,527	30,640
75	45,656	40,324	40,207	38,104	33,404	29,471	29,205	21,585	21,387
80	30,282	25,885	25,993	24,005	19,860	17,221	17,655	12,160	12,266
85	16,770	13,527	13,065	12,015	9,013	7,572	8,154	5,145	5,252
ALL OTHER, MALE									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	97,609	96,592	95,301	94,911	91,696	91,268	89,499	78,065	74,674
5	97,200	96,038	94,570	93,921	89,920	88,412	85,195	68,589	64,385
10	96,949	95,716	94,234	93,453	89,211	87,311	83,768	66,377	61,730
15	96,686	95,385	93,874	92,965	88,417	86,152	82,332	64,478	59,667
20	95,979	94,293	93,108	91,941	86,770	83,621	79,057	61,426	56,733
25	94,652	92,267	91,825	90,285	84,055	79,516	74,540	57,736	53,285
30	92,859	90,106	90,270	88,327	80,865	75,083	70,344	54,073	49,867
35	90,948	87,597	88,331	85,940	77,185	70,049	65,873	49,865	46,541
40	88,430	84,378	85,744	82,832	72,830	64,710	61,353	45,414	42,989
45	84,989	80,163	82,075	78,686	67,514	58,432	56,589	40,563	39,230
50	80,426	74,748	77,239	72,891	60,766	51,748	51,880	35,427	34,766
55	74,130	67,808	70,351	65,122	52,867	44,436	46,581	29,754	29,987
60	66,013	59,396	61,669	55,535	44,370	36,790	40,506	23,750	24,194
65	55,759	49,607	51,392	45,198	35,912	29,314	34,042	17,806	19,015
70	46,073	39,025	39,914	35,018	27,688	21,741	26,923	12,295	13,829
75	33,671	27,789	29,064	25,472	19,765	14,419	18,854	7,494	8,892
80	21,747	17,999	19,994	16,904	12,352	8,239	11,615	3,894	4,831
85	13,832	10,811	11,620	9,898	6,492	3,660	5,605	1,747	2,030
WHITE, FEMALE									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,925	98,468	98,036	97,645	96,211	95,037	93,608	89,774	88,939
5	98,710	98,203	97,709	97,199	95,309	93,216	90,721	85,349	83,426
10	98,584	98,042	97,525	96,960	94,890	92,466	89,564	83,979	81,723
15	98,461	97,902	97,375	96,756	94,534	91,894	88,712	83,093	80,680
20	98,190	97,618	97,135	96,454	93,984	90,939	87,281	81,750	78,978
25	97,898	97,299	96,844	96,072	93,228	89,524	85,163	79,865	76,588
30	97,598	96,945	96,499	95,605	92,320	87,972	82,740	77,676	73,887
35	97,216	96,474	96,026	94,977	91,211	86,248	80,206	75,200	70,971
40	96,657	95,762	95,326	94,080	89,805	84,256	77,624	72,425	67,935
45	95,739	94,649	94,228	92,725	87,920	81,780	74,871	69,341	64,677
50	94,269	92,924	92,522	90,685	85,267	78,572	71,547	65,629	61,005
55	92,031	90,383	89,967	87,699	81,520	74,321	67,323	61,053	56,509
60	88,745	86,726	86,339	83,279	76,200	68,462	61,704	54,900	50,752
65	83,797	81,579	80,739	76,773	68,701	60,499	54,299	47,086	43,806
70	77,201	74,101	72,507	67,545	58,363	49,932	44,638	37,482	35,206
75	67,612	63,290	60,461	54,397	44,685	37,024	32,777	26,569	25,362
80	53,566	48,182	44,676	38,026	28,882	23,053	20,492	15,929	15,349
85	36,596	30,490	26,046	21,348	14,487	10,937	9,909	7,152	7,149
ALL OTHER, FEMALE									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,027	97,235	96,172	95,913	93,318	92,796	91,251	81,493	78,525
5	97,695	96,772	95,543	95,055	91,710	90,185	87,149	72,768	68,056
10	97,527	96,546	95,265	94,679	91,092	89,201	85,607	70,508	65,111
15	97,390	96,353	95,057	94,343	90,363	88,088	83,954	68,218	62,384
20	97,083	95,917	94,660	93,544	88,505	85,078	80,154	64,764	59,053
25	96,601	95,247	94,005	92,336	85,961	81,067	75,359	61,430	55,795
30	95,965	94,370	93,070	90,799	83,147	76,816	70,633	58,281	52,773
35	95,172	93,123	91,670	88,805	79,879	72,192	65,857	54,595	49,567
40	93,960	91,247	89,676	86,052	75,908	67,271	61,130	50,568	46,146
45	92,078	88,608	86,793	82,257	71,061	61,365	56,230	45,947	42,279
50	89,349	84,964	82,979	77,007	64,886	54,920	50,780	40,886	37,681
55	85,342	80,162	77,362	70,196	57,419	47,074	44,742	35,415	33,124
60	79,920	73,984	69,941	61,758	49,102	38,761	37,954	28,908	27,524
65	72,668	66,064	60,825	52,358	40,718	30,852	31,044	22,302	21,995
70	65,142	56,375	51,274	42,612	32,579	23,341	24,107	15,871	16,140
75	52,401	44,841	40,540	32,981	24,668	16,576	17,216	10,657	11,066
80	37,796	33,373	30,315	23,712	17,157	10,822	11,151	6,324	6,708
85	27,550	22,763	19,744	15,550	10,658	6,033	5,972	3,029	3,567

[1] Deaths of nonresidents of the United States were excluded beginning in 1970.

Table 5-4. Life Table Values by Color and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1977—Con.

[See headnote at beginning of table]

AGE, COLOR, AND SEX	AVERAGE NUMBER OF YEARS OF LIFE REMAINING ($\mathring{e}_x$)								
	1977[1]	1969-71[1]	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
WHITE, MALE									
0	70.0	67.94	67.55	66.31	62.81	59.12	56.34	50.23	48.23
1	70.0	68.33	68.34	67.41	64.98	62.04	60.24	56.26	54.61
5	66.2	64.55	64.61	63.77	61.68	59.38	58.31	55.37	54.43
10	61.3	59.69	59.78	58.98	57.03	54.96	54.15	51.32	50.59
15	56.5	54.83	54.93	54.18	52.33	50.39	49.74	46.91	46.25
20	51.9	50.22	50.25	49.52	47.76	46.02	45.60	42.71	42.19
25	47.3	45.70	45.65	44.93	43.28	41.78	41.60	38.79	38.52
30	42.7	41.07	40.97	40.29	38.80	37.54	37.65	34.87	34.88
35	38.0	36.43	36.31	35.68	34.36	33.33	33.74	31.08	31.29
40	33.4	31.87	31.73	31.17	30.03	29.22	29.86	27.43	27.74
45	29.0	27.48	27.34	26.87	25.87	25.28	26.00	23.86	24.21
50	24.7	23.34	23.22	22.83	21.96	21.51	22.22	20.39	20.76
55	20.8	19.51	19.45	19.11	18.34	17.97	18.59	17.03	17.42
60	17.1	16.07	16.01	15.76	15.05	14.72	15.25	13.98	14.35
65	13.9	13.02	12.97	12.75	12.07	11.77	12.21	11.25	11.51
70	11.1	10.38	10.29	10.07	9.42	9.20	9.51	8.83	9.03
75	8.6	8.06	7.92	7.77	7.17	7.02	7.30	6.75	6.84
80	6.8	6.18	5.89	5.88	5.38	5.26	5.47	5.09	5.10
85	5.3	4.63	4.34	4.35	4.02	3.99	4.06	3.88	3.81
ALL OTHER, MALE									
0	64.6	60.98	61.48	58.91	52.33	47.55	47.14	34.05	32.54
1	65.2	62.13	63.50	61.06	56.05	51.08	51.63	42.53	42.46
5	61.5	58.48	59.98	57.69	53.13	48.69	50.18	44.25	45.06
10	56.6	53.67	55.19	52.96	48.54	44.27	45.99	40.65	41.90
15	51.8	48.84	50.39	48.23	43.95	39.83	41.75	36.77	38.26
20	47.2	44.37	45.78	43.73	39.74	35.95	38.36	33.46	35.11
25	42.8	40.29	41.38	39.49	35.94	32.67	35.54	30.44	32.21
30	38.6	36.20	37.05	35.31	32.25	29.45	32.51	27.33	29.25
35	34.3	32.16	32.81	31.21	28.67	26.39	29.54	24.42	26.16
40	30.2	28.29	28.72	27.29	25.23	23.36	26.53	21.57	23.12
45	26.3	24.64	24.89	23.59	22.02	20.59	23.55	18.85	20.09
50	22.7	21.24	21.28	20.25	19.18	17.92	20.47	16.21	17.34
55	19.4	18.14	18.11	17.36	16.67	15.46	17.50	13.82	14.69
60	16.5	15.35	15.29	14.91	14.38	13.15	14.74	11.67	12.62
65	14.0	12.87	12.84	12.75	12.18	10.87	12.07	9.74	10.38
70	11.4	10.68	10.81	10.74	10.06	8.78	9.58	8.00	8.33
75	9.7	8.99	8.93	8.83	8.09	6.99	7.61	6.58	6.60
80	8.7	7.57	6.87	7.07	6.46	5.42	5.83	5.53	5.12
85	7.3	6.04	5.08	5.38	5.08	4.30	4.53	4.48	4.04
WHITE, FEMALE									
0	77.7	75.49	74.19	72.03	67.29	62.67	58.53	53.62	51.08
1	77.6	75.66	74.68	72.77	68.93	64.93	61.51	58.69	56.39
5	73.7	71.86	70.92	69.09	65.57	62.17	59.43	57.67	56.03
10	68.8	66.97	66.05	64.26	60.85	57.65	55.17	53.57	52.15
15	63.9	62.07	61.15	59.39	56.07	53.00	50.67	49.12	47.79
20	59.1	57.24	56.29	54.56	51.38	48.52	46.46	44.88	43.77
25	54.3	52.42	51.45	49.77	46.78	44.25	42.55	40.88	40.05
30	49.4	47.60	46.63	45.00	42.21	39.99	38.72	36.96	36.42
35	44.6	42.82	41.84	40.28	37.70	35.73	34.86	33.09	32.82
40	39.8	38.12	37.13	35.64	33.25	31.52	30.94	29.26	29.17
45	35.2	33.54	32.53	31.12	28.90	27.39	26.98	25.45	25.51
50	30.7	29.11	28.08	26.76	24.72	23.41	23.12	21.74	21.89
55	26.4	24.85	23.81	22.58	20.73	19.60	19.40	18.18	18.43
60	22.3	20.79	19.69	18.64	17.00	16.05	15.93	14.92	15.23
65	18.4	16.93	15.88	15.00	13.56	12.81	12.75	11.97	12.23
70	14.8	13.37	12.38	11.68	10.50	9.98	9.94	9.38	9.59
75	11.5	10.21	9.28	8.87	7.92	7.56	7.62	7.20	7.33
80	8.8	7.59	6.67	6.59	5.88	5.63	5.70	5.35	5.50
85	6.8	5.54	4.66	4.83	4.34	4.24	4.24	4.06	4.10
ALL OTHER, FEMALE									
0	73.1	69.05	66.47	62.70	55.51	49.51	46.92	37.67	35.04
1	73.6	70.01	68.10	64.37	58.47	52.33	50.39	45.15	43.54
5	69.8	66.34	64.54	60.93	55.47	49.81	48.70	46.42	46.04
10	65.0	61.49	59.72	56.17	50.83	45.33	44.54	42.84	43.02
15	60.0	56.60	54.85	51.36	46.22	40.87	40.36	39.18	39.79
20	55.2	51.85	50.07	46.77	42.14	37.22	37.15	36.14	36.89
25	50.5	47.19	45.40	42.35	38.31	33.93	34.35	32.97	33.90
30	45.8	42.61	40.83	38.02	34.52	30.67	31.48	29.61	30.70
35	41.2	38.14	36.41	33.82	30.83	27.47	28.58	26.44	27.52
40	36.7	33.87	32.16	29.82	27.31	24.30	25.60	23.34	24.37
45	32.4	29.80	28.14	26.07	24.00	21.39	22.61	20.43	21.36
50	28.3	25.97	24.31	22.67	21.04	18.60	19.76	17.65	18.67
55	24.5	22.37	20.89	19.62	18.44	16.27	17.09	14.98	15.88
60	21.0	19.02	17.83	16.95	16.14	14.22	14.69	12.78	13.60
65	17.8	15.99	15.12	14.54	13.95	12.24	12.41	10.82	11.38
70	14.5	13.30	12.46	12.29	11.81	10.38	10.25	9.22	9.62
75	12.5	11.06	10.10	10.15	9.80	8.62	8.37	7.55	7.90
80	11.3	9.01	7.66	8.15	8.00	6.90	6.58	6.05	6.48
85	9.6	7.07	5.44	6.15	6.38	5.48	5.22	5.09	5.10

[1] Deaths of nonresidents of the United States were excluded beginning in 1970.

Table 5-5. Average Length of Life in Years, by Color and Sex: Death-Registration States, 1900-1928, and United States, 1929-77

[For selected years, life table values shown are estimates; see Technical Appendix]

AREA AND YEAR	TOTAL			WHITE			ALL OTHER		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
UNITED STATES									
1977[1]	73.2	69.3	77.1	73.8	70.0	77.7	68.8	64.6	73.1
1976[1]	72.8	69.0	76.7	73.5	69.7	77.3	68.4	64.2	72.7
1975[1]	72.5	68.7	76.5	73.2	69.4	77.2	67.9	63.6	72.3
1974[1]	71.9	68.1	75.8	72.7	68.9	76.6	67.0	62.9	71.3
1973[1,2]	71.3	67.5	75.2	72.1	68.4	76.1	65.9	61.8	70.1
1972[1,2,3]	71.1	67.4	75.0	72.0	68.2	75.9	65.6	61.4	69.9
1971[1,2]	71.1	67.4	75.0	71.9	68.2	75.8	65.6	61.6	69.7
1970[1,2]	70.8	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4
1969[2]	70.5	66.8	74.4	71.4	67.7	75.3	64.5	60.6	68.6
1968[2]	70.2	66.6	74.1	71.1	67.5	75.0	64.1	60.4	67.9
1967[2]	70.5	67.0	74.3	71.4	67.8	75.2	64.9	61.4	68.5
1966[2]	70.2	66.7	73.9	71.1	67.5	74.8	64.2	60.9	67.6
1965[2]	70.2	66.8	73.8	71.1	67.6	74.8	64.3	61.2	67.6
1964[2]	70.2	66.8	73.7	71.0	67.7	74.7	64.2	61.3	67.3
1963[2,4]	69.9	66.6	73.4	70.8	67.4	74.4	63.7	61.0	66.6
1962[2,4]	70.1	66.9	73.5	70.9	67.7	74.5	64.2	61.6	66.9
1961[2]	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
DEATH-REGISTRATION STATES									
1928	56.8	55.6	58.3	58.4	57.0	60.0	46.3	45.6	47.0
1927	60.4	59.0	62.1	62.0	60.5	63.9	48.2	47.6	48.9
1926	56.7	55.5	58.0	58.2	57.0	59.6	44.6	43.7	45.6
1925	59.0	57.6	60.6	60.7	59.3	62.4	45.7	44.9	46.7
1924	59.7	58.1	61.5	61.4	59.8	63.4	46.6	45.5	47.8
1923	57.2	56.1	58.5	58.3	57.1	59.6	48.3	47.7	48.9
1922	59.6	58.4	61.0	60.4	59.1	61.9	52.4	51.8	53.0
1921	60.8	60.0	61.8	61.8	60.8	62.9	51.5	51.6	51.3
1920	54.1	53.6	54.6	54.9	54.4	55.6	45.3	45.5	45.2
1919	54.7	53.5	56.0	55.8	54.5	57.4	44.5	44.5	44.4
1918	39.1	36.6	42.2	39.8	37.1	43.2	31.1	29.9	32.5
1917	50.9	48.4	54.0	52.0	49.3	55.3	38.8	37.0	40.8
1916	51.7	49.6	54.3	52.5	50.2	55.2	41.3	39.6	43.1
1915	54.5	52.5	56.8	55.1	53.1	57.5	38.9	37.5	40.5
1914	54.2	52.0	56.8	54.9	52.7	57.5	38.9	37.1	40.8
1913	52.5	50.3	55.0	53.0	50.8	55.7	38.4	36.7	40.3
1912	53.5	51.5	55.9	53.9	51.9	56.2	37.9	35.9	40.0
1911	52.6	50.9	54.4	53.0	51.3	54.9	36.4	34.6	38.2
1910	50.0	48.4	51.8	50.3	48.6	52.0	35.6	33.8	37.5
1909	52.1	50.5	53.8	52.5	50.9	54.2	35.7	34.2	37.3
1908	51.1	49.5	52.8	51.5	49.9	53.3	34.9	33.8	36.0
1907	47.6	45.6	49.9	48.1	46.0	50.4	32.5	31.1	34.0
1906	48.7	46.9	50.8	49.3	47.3	51.4	32.9	31.8	33.9
1905	48.7	47.3	50.2	49.1	47.6	50.6	31.3	29.6	33.1
1904	47.6	46.2	49.1	48.0	46.6	49.5	30.8	29.1	32.7
1903	50.5	49.1	52.0	50.9	49.5	52.5	33.1	31.7	34.6
1902	51.5	49.8	53.4	51.9	50.2	53.8	34.6	32.9	36.4
1901	49.1	47.6	50.6	49.4	48.0	51.0	33.7	32.2	35.3
1900	47.3	46.3	48.3	47.6	46.6	48.7	33.0	32.5	33.5

[1]Excludes deaths of nonresidents of the United States.
[2]Figures are revised and, therefore, may differ from those published in volumes of Vital Statistics of the United States, Vol. II, Mortality, Part A, for 1976 and earlier years; see Technical Appendix.
[3]Deaths based on a 50-percent sample.
[4]Figures by color exclude data for residents of New Jersey; see Technical Appendix.