

VITAL  
STATISTICS

*of the*

UNITED  
STATES

1968

UNITED STATES OF AMERICA  
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
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IN WITNESS WHEREOF, I have hereunto set my hand and caused the seal of the Department of Health, Education, and Welfare to be affixed on this

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*Clara E. Hayward*

Director, Office of Information  
National Center for Health Statistics  
Health Services and Mental Health  
Administration  
Public Health Service

VOLUME II - SECTION 5

*Life Tables*



U.S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE

HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

NATIONAL CENTER FOR HEALTH STATISTICS

VITAL STATISTICS OF THE UNITED STATES, 1968  
VOLUME II-SECTION 5

*Life Tables*

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HEALTH, EDUCATION, AND WELFARE  
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NATIONAL CENTER FOR HEALTH STATISTICS

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| 1968 only-----                                     | 1  | 2  | 3  | 4   |                |                |
| Specified years and 1968-----                      |    |    |    |     | 5 <sup>2</sup> |                |
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| Proportion of dying ( ${}_nq_x$ )-----             | 1  | 2  |    |     |                |                |
| Number surviving ( $l_x$ )-----                    | 1  | 2  | 3  |     | 5              |                |
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| Total population-----                              | 1  |    | 3  | 4   |                | 6              |

<sup>1</sup>Entire United States for 1929-68; death-registration States for 1900-1928.

<sup>2</sup>Entire United States for specified years from 1929 to 1968; death-registration States for specified years from 1900 to 1921.

<sup>3</sup>New Jersey did not require the reporting of color or race in 1962 and 1963.

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## 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 1968 assumes a hypothetical cohort subject throughout its lifetime to the age-specific mortality rates prevailing for the actual population in 1968. 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 post-censal 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 provides reasonably accurate data on current trends in expectation of life and survivorship. Abridged life tables for 1945 to 1952 were

constructed by the Greville method;<sup>1</sup> since 1953, a modified method has been employed.<sup>2</sup> 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 1957, abridged life tables have been calculated for total males and total females, regardless of color. Starting with 1959, additional abridged life tables have been published 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  $e_x$  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 U.S. Bureau of the Census and on the estimated number of deaths derived from the "Current Mortality Sample" (CMS). The CMS consists of one-tenth of the death certificates filed in the vital statistics registration offices (50 States and the cities of Washington, D.C., Baltimore, New Orleans, and New York). The sample is taken by selecting one certificate out of every 10 death certificates received between two dates a month apart.

### Life table values for 1968

The two basic sources of data used in the preparation of the abridged U.S. life tables for 1968 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.

*Expectation of life.*—Perhaps the best known of the life table statistics are the estimates of expectation of life ( $e_x$ ),

<sup>1</sup>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.

<sup>2</sup>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.

<sup>3</sup>U.S. Bureau of the Census: Estimates of the population of the United States, by age, color, and sex, July 1, 1968. *Current Population Reports*, Series P-25, No. 416. Washington, D.C., 1969.

that is, the average remaining lifetime in years, for persons who have attained a given age ( $x$ ). Values of expectation of life at specified ages in 1968 are shown for the total U.S. population and for total males and females in table 5-1 and for the total white and "all other" populations (male and female) in table 5-2. In addition, values of expectation of life at single years of age, by color and sex, are shown in table 5-4.

The expectation of life at birth ( $e_0$ ) is the most widely used of the expectation of life values. This measure represents the average number of years that the members of the life table cohort may expect to live at the time of birth. In other words, it is the average age at death of the life table cohort. Based on the mortality experience of the population during 1968, the expectation of life at birth is 67.5 years for white males, 74.9 for white females, 60.1 for all other males, and 67.5 for all other females. These values reflect the higher mortality of males over females and of those in the all other category over those in the white category. Expectation of life at birth is 7.4 years longer for females than for males for both color groups.

Expectation of life at birth is strongly affected by the relatively large number of deaths occurring during the first year of life. In comparing the mortality experience of two (or more) populations, it is sometimes preferable to consider expectation of life at age 1 ( $e_1$ ) since this measure is not affected by the infant mortality rate. Indeed, as shown in tables 5-1 and 5-2, ( $e_1$ ) is higher than ( $e_0$ ) in all population groups; those persons who survived the hazards of infancy at their first birthday exhibit an increase in the average number of years of life remaining over the number expected when they were 1 year younger. The 1968 values of expectation of life at age 1 are 68.0 years for white males, 75.1 for white females, 61.4 for all other males, and 68.7 for all other females. The increase in expectation of life at age 1 over that at age 0 is substantial for males and females of the all other category (1.3 and 1.2 years, respectively) but considerably smaller for white males and females (0.5 year and 0.2 year, respectively); this reflects the higher infant mortality experience by the other than white population.

Values of expectation of life for single years of age are presented in table 5-4. It may be of interest for certain purposes, for example, to examine average remaining lifetime at ages 21, 62, and 65. These ages may be regarded as representing, respectively, the attainment of adulthood, the minimum retirement age prescribed by the Social Security Act, and the normal retirement age. The 1968 values of expectation of life for age 21 are 49.0 for white males, 55.7 for white females, 42.8 for all other males, and 49.6 years for all other females. Corresponding values for age 62 are 14.6, 18.7, 13.5, and 16.7 years; for age 65 they are 12.8, 16.4, 12.1, and 15.1 years.

The concept "expectation of life" is misleading if it implies the notion of forecasting. It is important to understand that expectation of life values forecast average remaining lifetime only for the hypothetical cohort of the life table.

Forecasts of expectation of life in 1968 for any actual population must take into consideration not only mortality experience in 1968 but also mortality experience in subsequent calendar years.

*Median length of life.*—Another possible standard for comparing longevity among different populations is provided by the median length of life at birth, or "probable lifetime," which is the age at which exactly half of the members of the original life table cohort have died. In other words, it is the median age at death of the life table cohort. For the 1968 abridged life tables, which start with cohorts of 100,000 live births, the median length of life at birth is the age at which there remain exactly 50,000 survivors. Readily computed from the  $l_x$  values in table 5-3, median length of life at birth, on the basis of the 1968 mortality rates, is 71.2 years for white males, 79.0 years for white females, 63.9 for all other males, and 70.3 for all other females. In computing median length of life at birth, it is assumed that deaths are evenly distributed within the age interval containing the median age.

A comparison of these "probable lifetime" measures with those for expectation of life at birth shows that the former exceed the latter for each population group. Thus median length of life at birth for white males in 1968 is 3.7 years longer than expectation of life at birth; for white females, 4.1 years; for all other males, 3.8; and for all other females, 2.8. These differences are in large part brought about by the relatively high toll of mortality to the cohort during the first year of life.

*Survivors to specified ages.*—Another value which can be readily determined from the life table is the number (or percentage) of persons in the original cohort surviving to a specified age. The  $l_x$  columns in tables 5-1 to 5-3 contain such data. Thus on the basis of the 1968 life tables, the percentage of white males in a cohort of 100,000 live births surviving to age 1 is 97.8; white females, 98.4; all other males, 96.2; and all other females, 96.9. At age 21 respective percentages are 96.1, 97.4, 93.7, and 95.5, and at age 65 respective percentages are 65.4, 81.1, 47.5, and 63.2.

## Trends and comparisons

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

Table 5-5 shows expectation of life values ( $e_x$ ) at specified ages as well as number of survivors ( $l_x$ ) to specified ages for selected years during the period 1900 to 1968. Although life table values for periods prior to the 1929-31 life tables are not strictly comparable with those for later periods, certain trends may be noted.

Life expectancy at birth for 1968 was 70.2 years, 0.3 year below that for 1967. An examination of the values by color and sex shows that the life expectancy at birth decreased for each of the four color-sex groups. The decrease was 0.3 year for white males, 0.2 year for white females, 1.0 year for all other males, and 0.7 year for all other females.

In the 1900-1902 life tables the expectation of life at birth for white females was 16.0 years greater than for all other females, while that for white males was 15.7 years greater than for all other males. In the 1968 life tables, the difference was 7.4 years for both sexes.

In making comparisons between 1900-1902 life table values and current figures, it should be kept in mind that the former data were based on the death-registration States only. The values shown in the 1900-1902 life tables are probably not totally reflective of the entire population. This is particularly true in the case of the all other group because the mortality data covered mainly the urban Northeast and excluded the majority of the all other group living in the Southern States. Therefore complete comparability between 1900-1902 values and current values does not exist.

Females in both color groups during the period 1900 to 1968 have had greater increases in expectation of life at birth than have males. In the 1900-1902 life tables expectation of life at birth for the white female was 2.9 years longer than for the white male; for all other females it was 2.5 years in excess of that for all other males. Comparable figures for the 1968 life tables are 7.4 years for both color groups.

For all color-sex groups, expectation of life values between 1900 and 1968 have increased not only at age 0 but also at every successive age. An inspection of table 5-5 shows that increases are generally greatest for the younger elements of the population; but the recent values even at relatively older ages are substantially higher than in 1900-1902. The increase in expectation of life at age 20 from 1900 to the present is 7.7 years for white males, 12.9 for white females, 8.5 for all other males, and 13.6 for all other females. For the same population groups, respective increases at age 65 are 1.3, 4.2, 1.7, and 3.7 years.

Trends in survivorship may also be determined by an examination of the proportion of persons in the original cohort who survive to specified ages. Between 1900 and 1968, the proportion of the life table cohort reaching age 65 has increased by 67 percent for white males, 85 percent for white females, 150 percent for all other males, and 188 percent for all other females. It is apparent that the greater

relative mortality improvement has occurred in the all other group. Although mortality rates for this group are still substantially higher than those for white persons, comparatively greater strides have been made in the reduction of mortality rates for all other persons.

There has been an increasing interest in data on average length of life ( $e_0$ ) for single calendar years prior to the initiation of the annual abridged life table series in 1945. In order to meet these needs, the estimated figures given in table 5-6 were computed.<sup>4</sup> From these estimates, average annual increases in expectation of life at birth may be computed. Since the turn of the century the total population has, on the average, each year added 0.34 year to its expectation of life at birth. During the same period, white males have added 0.31 year per annum; white females, 0.39; all other males, 0.41; and all other females, 0.50. Such annual increases have not, however, been evenly distributed over the period since 1900. Average annual increases during 1958 to 1968 are, for example, less marked than those for 1948 to 1958. Average annual increases in expectation of life at birth for 1948 to 1958 were 0.19 year for white males, 0.29 for white females, 0.29 for all other males, and 0.33 for all other females. For 1958 to 1968, the average annual increase was 0.01 and 0.10 for white males and females, respectively. There was an average annual decrease for all other males of 0.09 year, while for all other females there was an increase of 0.17 year.

### Technical appendix

*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 the race 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 Negro.

*Standard table.*—U.S. life tables for the decennial period 1959-61 are used as the standard table in constructing the 1968 abridged life tables.

<sup>4</sup>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 0.0108—out of every 1,000 males alive and exactly 20 years old at the beginning of the period 11 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, 97,549 will complete the first year of life and enter the second; 97,181 will begin the sixth year; 95,927 will reach age 20; and 12,836 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, 2,451 die in the first year of life, 368 in the succeeding 4 years, 1,036 in the 5-year period between exact ages 20 and 25, and 12,836 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 in-

terval 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 477,078. 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 477,078 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 4,722,391 persons who have passed their 20th birthday. The population at all ages 0 and above (in other words, the total population of the stationary community) would be 6,660,561.

**Column 7—Average remaining lifetime ( $e'_x$ ).**—The average remaining lifetime (also called expectation of life) at any given age is the average number of years remaining to be lived by those surviving to that age on the basis of a given set of age-specific rates of dying. 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 477,078 for males in the age interval 20-25 is the total number of years lived between the 20th and 25th birthdays by the 95,927 (column 3) who reached the 20th birthday out of 100,000 males born alive. The corresponding figure (4,722,391) in column 6 is the total number of years lived after attaining age 20 by the 95,927 reaching that age. This number of years divided by the number of persons (4,722,391 divided by 95,927) gives 49.2 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 in table 5-2 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.

## SECTION 5 - LIFE TABLES

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Table 5-1. Abridged Life Tables for Total, Male, and Female Population: United States, 1968

| Age interval<br><br>Period of life between two exact ages stated in years<br><br>(1) | Proportion dying<br><br>Proportion of persons alive at beginning of age interval dying during interval<br><br>(2) | Of 100,000 born alive                                 |   | Stationary population          |   | Average remaining lifetime  |
|--|---|---|---|--------------------------------|---|---|
|  |   | Number living at beginning of age interval<br><br>(3) | Number dying during age interval<br><br>(4) | In the age interval<br><br>(5) | In this and all subsequent age intervals<br><br>(6) | Average number of years of life remaining at beginning of age interval<br><br>(7) |
| $x$ to $x+n$   | $nq_x$  | $l_x$   | $n^d_x$                                     | $n^L_x$                        | $T_x$   | $e_x$   |
| <b>TOTAL</b>   |   |   |   |                                |   |   |
| 0-1  | 0.0218  | 100,000   | 2,177                                       | 98,062                         | 7,017,338   | 70.2  |
| 1-5  | .0034   | 97,823  | 337   | 390,485                        | 6,919,276   | 70.7  |
| 5-10   | .0022   | 97,486  | 211   | 485,860                        | 6,528,791   | 67.0  |
| 10-15  | .0021   | 97,275  | 203   | 485,917                        | 6,041,931   | 62.1  |
| 15-20  | .0054   | 97,072  | 527   | 484,151                        | 5,556,014   | 57.2  |
| 20-25  | .0071   | 96,545  | 687   | 481,039                        | 5,071,863   | 52.5  |
| 25-30  | .0071   | 95,858  | 680   | 477,614                        | 4,590,824   | 47.9  |
| 30-35  | .0087   | 95,178  | 827   | 473,918                        | 4,113,210   | 43.2  |
| 35-40  | .0126   | 94,351  | 1,187                                       | 468,984                        | 3,639,292   | 38.6  |
| 40-45  | .0190   | 93,164  | 1,772                                       | 461,706                        | 3,170,308   | 34.0  |
| 45-50  | .0292   | 91,392  | 2,671                                       | 450,769                        | 2,708,602   | 29.6  |
| 50-55  | .0450   | 88,721  | 3,989                                       | 434,222                        | 2,257,833   | 25.4  |
| 55-60  | .0678   | 84,732  | 5,745                                       | 410,090                        | 1,823,611   | 21.5  |
| 60-65  | .1005   | 78,987  | 7,937                                       | 376,047                        | 1,413,521   | 17.9  |
| 65-70  | .1461   | 71,050  | 10,382                                      | 330,279                        | 1,037,474   | 14.6  |
| 70-75  | .2134   | 60,668  | 12,944                                      | 271,915                        | 707,195   | 11.7  |
| 75-80  | .2913   | 47,724  | 13,903                                      | 204,453                        | 435,280   | 9.1   |
| 80-85  | .4076   | 33,821  | 13,784                                      | 133,946                        | 230,827   | 6.8   |
| 85 and over  | 1.0000  | 20,037  | 20,037                                      | 96,881                         | 96,881  | 4.8   |
| <b>MALE</b>  |   |   |   |                                |   |   |
| 0-1  | .0245   | 100,000   | 2,451                                       | 97,805                         | 6,660,561   | 66.6  |
| 1-5  | .0038   | 97,549  | 368   | 389,319                        | 6,562,756   | 67.3  |
| 5-10   | .0025   | 97,181  | 246   | 485,248                        | 6,173,437   | 63.5  |
| 10-15  | .0027   | 96,935  | 257   | 484,112                        | 5,688,189   | 58.7  |
| 15-20  | .0078   | 96,678  | 751   | 481,686                        | 5,204,077   | 53.8  |
| 20-25  | .0108   | 95,927  | 1,036                                       | 477,078                        | 4,722,391   | 49.2  |
| 25-30  | .0099   | 94,891  | 943   | 472,092                        | 4,245,313   | 44.7  |
| 30-35  | .0114   | 93,948  | 1,069                                       | 467,176                        | 3,773,221   | 40.2  |
| 35-40  | .0159   | 92,879  | 1,475                                       | 460,955                        | 3,306,045   | 35.6  |
| 40-45  | .0241   | 91,404  | 2,201                                       | 451,925                        | 2,845,090   | 31.1  |
| 45-50  | .0377   | 89,203  | 3,363                                       | 438,249                        | 2,393,165   | 26.8  |
| 50-55  | .0596   | 85,840  | 5,112                                       | 417,188                        | 1,954,916   | 22.8  |
| 55-60  | .0916   | 80,728  | 7,396                                       | 386,109                        | 1,537,728   | 19.0  |
| 60-65  | .1366   | 75,332  | 10,021                                      | 342,649                        | 1,151,619   | 15.7  |
| 65-70  | .1930   | 65,311  | 12,216                                      | 286,774                        | 808,970   | 12.8  |
| 70-75  | .2784   | 51,095  | 14,222                                      | 220,314                        | 522,196   | 10.2  |
| 75-80  | .3557   | 36,873  | 13,115                                      | 151,497                        | 301,882   | 8.2   |
| 80-85  | .4597   | 23,758  | 10,922                                      | 90,429                         | 150,385   | 6.3   |
| 85 and over  | 1.0000  | 12,836  | 12,836                                      | 59,956                         | 59,956  | 4.7   |
| <b>FEMALE</b>  |   |   |   |                                |   |   |
| 0-1  | .0189   | 100,000   | 1,890                                       | 98,332                         | 7,395,249   | 74.0  |
| 1-5  | .0031   | 98,110  | 305   | 391,702                        | 7,296,917   | 74.4  |
| 5-10   | .0018   | 97,805  | 175   | 488,545                        | 6,905,215   | 70.6  |
| 10-15  | .0015   | 97,630  | 148   | 487,799                        | 6,416,670   | 65.7  |
| 15-20  | .0030   | 97,482  | 296   | 486,717                        | 5,928,871   | 60.8  |
| 20-25  | .0037   | 97,186  | 357   | 485,067                        | 5,442,154   | 56.0  |
| 25-30  | .0043   | 96,829  | 419   | 483,144                        | 4,957,087   | 51.2  |
| 30-35  | .0061   | 96,410  | 588   | 480,662                        | 4,473,943   | 46.4  |
| 35-40  | .0094   | 95,822  | 902   | 477,001                        | 3,993,281   | 41.7  |
| 40-45  | .0142   | 94,920  | 1,349                                       | 471,450                        | 3,516,280   | 37.0  |
| 45-50  | .0212   | 93,571  | 1,988                                       | 463,209                        | 3,044,830   | 32.5  |
| 50-55  | .0311   | 91,583  | 2,852                                       | 451,179                        | 2,581,621   | 28.2  |
| 55-60  | .0454   | 88,731  | 4,028                                       | 434,195                        | 2,130,442   | 24.0  |
| 60-65  | .0672   | 84,705  | 5,696                                       | 410,099                        | 1,696,247   | 20.0  |
| 65-70  | .1051   | 79,007  | 8,303                                       | 375,423                        | 1,286,148   | 16.3  |
| 70-75  | .1611   | 70,704  | 11,391                                      | 326,474                        | 910,725   | 12.9  |
| 75-80  | .2424   | 59,313  | 14,379                                      | 261,976                        | 584,251   | 9.9   |
| 80-85  | .3702   | 44,934  | 16,637                                      | 182,916                        | 322,275   | 7.2   |
| 85 and over  | 1.0000  | 28,297  | 28,297                                      | 139,359                        | 139,359   | 4.9   |

SECTION 5 - LIFE TABLES

Table 5-2. Abridged Life Tables by Color and Sex: United States, 1968

| Age interval  | Proportion dying | Of 100,000 born alive                      |                                  | Stationary population |  | Average remaining lifetime | Age interval      | Proportion dying | Of 100,000 born alive                      |                                  | Stationary population |  | Average remaining lifetime |
|---------------|------------------|--|----------------------------------|-----------------------|--|----------------------------|-------------------|------------------|--|----------------------------------|-----------------------|--|----------------------------|
|               |                  | Number living at beginning of age interval | Number dying during age interval | In the age interval   | In this and all subsequent age intervals |                            |                   |                  | Number living at beginning of age interval | Number dying during age interval | In the age interval   | In this and all subsequent age intervals |                            |
| (1)           | (2)              | (3)  | (4)                              | (5)                   | (6)                                      | (7)                        | (1)               | (2)              | (3)  | (4)                              | (5)                   | (6)                                      | (7)                        |
| x to x+n      | $nq_x$           | $l_x$                                      | $n^d_x$                          | $nL_x$                | $T_x$                                    | $e_x$                      | x to x+n          | $nq_x$           | $l_x$                                      | $n^d_x$                          | $nL_x$                | $T_x$                                    | $e_x$                      |
| WHITE         |                  |  |                                  |                       |  |                            | ALL OTHER         |                  |  |                                  |                       |  |                            |
| 0-1           | 0.0192           | 100,000                                    | 1,919                            | 98,266                | 7,110,424                                | 71.1                       | 0-1               | 0.0345           | 100,000                                    | 3,451                            | 97,055                | 6,373,079                                | 63.7                       |
| 1-5           | .0030            | 98,081                                     | 299                              | 391,617               | 7,012,158                                | 71.5                       | 1-5               | .0055            | 96,549                                     | 527                              | 384,882               | 6,276,024                                | 65.0                       |
| 5-10          | .0020            | 97,782                                     | 199                              | 488,375               | 6,820,541                                | 67.7                       | 5-10              | .0029            | 96,022                                     | 276                              | 479,354               | 5,891,142                                | 61.4                       |
| 10-15         | .0019            | 97,583                                     | 190                              | 487,487               | 6,132,166                                | 62.8                       | 10-15             | .0030            | 95,746                                     | 283                              | 478,087               | 5,411,788                                | 56.5                       |
| 15-20         | .0051            | 97,393                                     | 499                              | 485,815               | 5,644,679                                | 58.0                       | 15-20             | .0074            | 95,463                                     | 703                              | 475,738               | 4,933,701                                | 51.7                       |
| 20-25         | .0064            | 96,894                                     | 619                              | 482,937               | 5,158,864                                | 53.2                       | 20-25             | .0123            | 94,760                                     | 1,163                            | 471,047               | 4,457,863                                | 47.0                       |
| 25-30         | .0059            | 96,275                                     | 569                              | 479,961               | 4,675,927                                | 48.6                       | 25-30             | .0159            | 93,597                                     | 1,492                            | 464,411               | 3,986,916                                | 42.6                       |
| 30-35         | .0069            | 95,706                                     | 663                              | 476,950               | 4,195,966                                | 43.8                       | 30-35             | .0217            | 92,105                                     | 1,996                            | 455,780               | 3,522,505                                | 38.2                       |
| 35-40         | .0103            | 95,043                                     | 982                              | 472,934               | 3,719,016                                | 39.1                       | 35-40             | .0294            | 90,109                                     | 2,650                            | 444,300               | 3,062,725                                | 34.0                       |
| 40-45         | .0163            | 94,061                                     | 1,534                            | 466,769               | 3,246,082                                | 34.5                       | 40-45             | .0411            | 87,459                                     | 3,592                            | 428,744               | 2,622,425                                | 30.0                       |
| 45-50         | .0262            | 92,527                                     | 2,421                            | 457,047               | 2,779,313                                | 30.0                       | 45-50             | .0559            | 83,867                                     | 4,665                            | 408,283               | 2,193,681                                | 26.2                       |
| 50-55         | .0416            | 90,106                                     | 3,744                            | 441,741               | 2,322,266                                | 25.8                       | 50-55             | .0762            | 79,182                                     | 6,034                            | 381,586               | 1,785,398                                | 22.5                       |
| 55-60         | .0635            | 86,362                                     | 5,484                            | 418,902               | 1,880,525                                | 21.8                       | 55-60             | .1085            | 73,148                                     | 7,935                            | 346,809               | 1,403,812                                | 19.2                       |
| 60-65         | .0953            | 80,878                                     | 7,705                            | 386,133               | 1,461,623                                | 18.1                       | 60-65             | .1528            | 65,213                                     | 9,966                            | 301,676               | 1,057,203                                | 16.2                       |
| 65-70         | .1384            | 73,173                                     | 10,124                           | 341,609               | 1,075,490                                | 14.7                       | 65-70             | .2284            | 55,247                                     | 12,621                           | 244,985               | 755,527                                  | 13.7                       |
| 70-75         | .2074            | 63,049                                     | 13,076                           | 285,621               | 733,881                                  | 11.6                       | 70-75             | .2867            | 42,626                                     | 12,219                           | 182,322               | 510,542                                  | 12.0                       |
| 75-80         | .2919            | 49,973                                     | 14,586                           | 214,083               | 450,260                                  | 9.0                        | 75-80             | .2835            | 30,407                                     | 8,619                            | 130,263               | 328,220                                  | 10.8                       |
| 80-85         | .4133            | 35,387                                     | 14,625                           | 139,628               | 236,177                                  | 6.7                        | 80-85             | .3330            | 21,788                                     | 7,255                            | 90,377                | 197,957                                  | 9.1                        |
| 85 and over   | 1.0000           | 20,762                                     | 20,762                           | 96,549                | 96,549                                   | 4.7                        | 85 and over       | 1.0000           | 14,533                                     | 14,533                           | 107,580               | 107,580                                  | 7.4                        |
| WHITE, MALE   |                  |  |                                  |                       |  |                            | ALL OTHER, MALE   |                  |  |                                  |                       |  |                            |
| 0-1           | 0.0219           | 100,000                                    | 2,186                            | 98,016                | 6,754,209                                | 67.5                       | 0-1               | 0.0378           | 100,000                                    | 3,778                            | 96,750                | 6,006,398                                | 60.1                       |
| 1-5           | .0033            | 97,814                                     | 326                              | 390,494               | 6,656,193                                | 68.0                       | 1-5               | .0060            | 96,222                                     | 576                              | 383,447               | 5,909,648                                | 61.4                       |
| 5-10          | .0024            | 97,488                                     | 232                              | 486,822               | 6,265,699                                | 64.3                       | 5-10              | .0034            | 95,646                                     | 322                              | 477,364               | 5,526,201                                | 57.8                       |
| 10-15         | .0025            | 97,256                                     | 239                              | 485,758               | 5,778,877                                | 59.4                       | 10-15             | .0038            | 95,324                                     | 364                              | 475,808               | 5,048,837                                | 53.0                       |
| 15-20         | .0073            | 97,017                                     | 710                              | 483,469               | 5,293,119                                | 54.6                       | 15-20             | .0107            | 94,960                                     | 1,015                            | 472,538               | 4,573,029                                | 48.2                       |
| 20-25         | .0098            | 96,307                                     | 943                              | 479,189               | 4,809,650                                | 49.9                       | 20-25             | .0182            | 93,945                                     | 1,706                            | 465,670               | 4,100,491                                | 43.6                       |
| 25-30         | .0083            | 95,364                                     | 794                              | 474,815               | 4,330,461                                | 45.4                       | 25-30             | .0225            | 92,239                                     | 2,077                            | 456,152               | 3,678,621                                | 39.4                       |
| 30-35         | .0091            | 94,570                                     | 860                              | 470,790               | 3,855,646                                | 40.8                       | 30-35             | .0293            | 90,162                                     | 2,642                            | 444,470               | 3,174,869                                | 35.3                       |
| 35-40         | .0151            | 93,710                                     | 1,252                            | 465,691               | 3,384,856                                | 36.1                       | 35-40             | .0380            | 87,520                                     | 3,322                            | 429,747               | 2,734,199                                | 31.2                       |
| 40-45         | .0208            | 92,478                                     | 1,927                            | 457,959               | 2,919,165                                | 31.6                       | 40-45             | .0521            | 84,198                                     | 4,387                            | 410,541               | 2,304,452                                | 27.4                       |
| 45-50         | .0341            | 90,551                                     | 3,089                            | 445,656               | 2,461,206                                | 27.2                       | 45-50             | .0701            | 79,811                                     | 5,591                            | 385,837               | 1,893,911                                | 23.7                       |
| 50-55         | .0557            | 87,465                                     | 4,976                            | 425,885               | 2,015,550                                | 23.0                       | 50-55             | .0956            | 74,220                                     | 7,092                            | 354,203               | 1,508,074                                | 20.3                       |
| 55-60         | .0872            | 82,587                                     | 7,199                            | 395,926               | 1,589,665                                | 19.2                       | 55-60             | .1344            | 67,128                                     | 9,023                            | 315,793               | 1,153,871                                | 17.2                       |
| 60-65         | .1320            | 75,589                                     | 9,949                            | 353,163               | 1,193,739                                | 15.8                       | 60-65             | .1850            | 58,105                                     | 10,633                           | 264,584               | 840,078                                  | 14.5                       |
| 65-70         | .1864            | 65,440                                     | 12,197                           | 297,539               | 840,576                                  | 12.8                       | 65-70             | .2605            | 47,472                                     | 12,368                           | 206,593               | 575,494                                  | 12.1                       |
| 70-75         | .2722            | 53,243                                     | 14,494                           | 230,485               | 543,037                                  | 10.2                       | 70-75             | .3524            | 35,104                                     | 12,370                           | 143,923               | 368,901                                  | 10.5                       |
| 75-80         | .3571            | 38,749                                     | 13,835                           | 159,109               | 312,542                                  | 8.1                        | 75-80             | .3393            | 22,734                                     | 7,713                            | 93,993                | 224,978                                  | 9.9                        |
| 80-85         | .4675            | 24,814                                     | 11,646                           | 94,307                | 153,433                                  | 6.2                        | 80-85             | .3869            | 15,021                                     | 5,512                            | 60,881                | 130,985                                  | 8.7                        |
| 85 and over   | 1.0000           | 13,268                                     | 13,268                           | 59,126                | 59,126                                   | 4.5                        | 85 and over       | 1.0000           | 9,509                                      | 9,509                            | 70,104                | 70,104                                   | 7.4                        |
| WHITE, FEMALE |                  |  |                                  |                       |  |                            | ALL OTHER, FEMALE |                  |  |                                  |                       |  |                            |
| 0-1           | 0.0164           | 100,000                                    | 1,637                            | 98,531                | 7,488,111                                | 74.9                       | 0-1               | 0.0311           | 100,000                                    | 3,114                            | 97,389                | 6,753,955                                | 67.5                       |
| 1-5           | .0027            | 98,363                                     | 270                              | 392,806               | 7,389,580                                | 75.1                       | 1-5               | .0049            | 96,886                                     | 476                              | 386,361               | 6,656,596                                | 68.7                       |
| 5-10          | .0017            | 98,093                                     | 165                              | 490,015               | 6,996,774                                | 71.3                       | 5-10              | .0024            | 96,410                                     | 229                              | 481,410               | 6,270,225                                | 65.0                       |
| 10-15         | .0014            | 97,928                                     | 139                              | 489,310               | 6,506,759                                | 66.4                       | 10-15             | .0021            | 96,181                                     | 202                              | 480,432               | 5,788,815                                | 60.2                       |
| 15-20         | .0029            | 97,789                                     | 281                              | 488,281               | 6,017,449                                | 61.5                       | 15-20             | .0041            | 95,979                                     | 390                              | 479,017               | 5,308,383                                | 55.3                       |
| 20-25         | .0032            | 97,508                                     | 314                              | 486,773               | 5,529,168                                | 56.7                       | 20-25             | .0069            | 95,589                                     | 660                              | 476,399               | 4,829,366                                | 50.5                       |
| 25-30         | .0035            | 97,194                                     | 344                              | 485,143               | 5,042,395                                | 51.9                       | 25-30             | .0100            | 94,929                                     | 948                              | 472,422               | 4,352,967                                | 45.9                       |
| 30-35         | .0048            | 96,850                                     | 465                              | 483,154               | 4,557,252                                | 47.1                       | 30-35             | .0151            | 93,981                                     | 1,417                            | 466,573               | 3,880,545                                | 41.3                       |
| 35-40         | .0076            | 96,385                                     | 731                              | 480,224               | 4,074,098                                | 42.3                       | 35-40             | .0222            | 92,564                                     | 2,055                            | 457,991               | 3,415,972                                | 36.9                       |
| 40-45         | .0119            | 95,654                                     | 1,141                            | 475,624               | 3,583,874                                | 37.9                       | 40-45             | .0317            | 90,509                                     | 2,866                            | 445,721               | 2,955,981                                | 32.7                       |
| 45-50         | .0186            | 94,515                                     | 1,762                            | 468,460               | 3,118,250                                | 33.0                       | 45-50             | .0432            | 87,643                                     | 3,790                            | 429,285               | 2,510,260                                | 28.6                       |
| 50-55         | .0280            | 92,751                                     | 2,589                            | 457,623               | 2,649,790                                | 28.6                       | 50-55             | .0589            | 83,853                                     | 4,970                            | 407,593               | 2,080,975                                | 24.8                       |
| 55-60         | .0412            | 90,152                                     | 3,715                            | 442,080               | 2,192,167                                | 24.3                       | 55-60             | .0846            | 78,918                                     | 6,675                            | 378,573               | 1,673,362                                | 21.2                       |
| 60-65         | .0616            | 86,437                                     | 5,323                            | 419,749               | 1,750,087                                | 20.2                       | 60-65             | .1245            | 72,243                                     | 8,996                            | 339,115               | 1,294,809                                | 17.9                       |
| 65-70         | .0965            | 81,114                                     | 7,828                            | 387,198               | 1,350,338                                | 16.4                       | 65-70             | .1987            | 63,247                                     | 12,569                           | 285,280               | 955,694                                  | 15.1                       |
| 70-75         | .1554            | 73,286                                     | 11,392                           | 339,521               | 943,140                                  | 12.9                       | 70-75             | .2327            | 50,678                                     | 11,794                           | 274,049               | 670,434                                  | 13.2                       |
| 75-80         | .2426            | 61,894                                     | 15,013                           | 273,446               | 605,619                                  | 9.8                        | 75-80             | .2406            | 38,884                                     | 9,354                            | 171,039               | 446,385                                  | 11.5                       |
| 80-85         | .3749            | 46,881                                     | 17,578                           | 190,304               | 330,173                                  | 7.0                        | 80-85             | .3054            | 29,530                                     | 9,020                            | 124,764               | 275,346                                  | 9.3                        |
| 85 and over   | 1.0000           | 29,303                                     | 29,303                           | 139,869               | 139,869                                  | 4.8                        | 85 and over       | 1.0000           | 20,510                                     | 20,510                           | 150,582               | 150,582                                  | 7.3                        |

## SECTION 5 - LIFE TABLES

5-9

Table 5-3. Number of Survivors at Single Years of Age, Out of 100,000 Born Alive, by Color and Sex: United States, 1968

| 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   | 97,823     | 97,549  | 98,110  | 98,081     | 97,814  | 98,363  | 96,549     | 96,222  | 96,886  |
| 2   | 97,689     | 97,408  | 97,984  | 97,966     | 97,693  | 98,255  | 96,324     | 95,983  | 96,776  |
| 3   | 97,605     | 97,315  | 97,909  | 97,891     | 97,611  | 98,187  | 96,194     | 95,836  | 96,563  |
| 4   | 97,540     | 97,243  | 97,851  | 97,832     | 97,546  | 98,136  | 96,096     | 95,728  | 96,475  |
| 5   | 97,486     | 97,181  | 97,805  | 97,782     | 97,488  | 98,093  | 96,022     | 95,646  | 96,410  |
| 6   | 97,425     | 97,101  | 97,760  | 97,724     | 97,412  | 98,051  | 95,941     | 95,543  | 96,349  |
| 7   | 97,375     | 97,041  | 97,721  | 97,677     | 97,356  | 98,014  | 95,877     | 95,467  | 96,298  |
| 8   | 97,335     | 96,997  | 97,687  | 97,639     | 97,314  | 97,981  | 95,826     | 95,410  | 96,254  |
| 9   | 97,303     | 96,963  | 97,657  | 97,609     | 97,282  | 97,953  | 95,784     | 95,365  | 96,216  |
| 10  | 97,275     | 96,935  | 97,630  | 97,583     | 97,256  | 97,928  | 95,746     | 95,324  | 96,181  |
| 11  | 97,248     | 96,906  | 97,605  | 97,558     | 97,230  | 97,905  | 95,707     | 95,281  | 96,147  |
| 12  | 97,219     | 96,871  | 97,580  | 97,531     | 97,199  | 97,882  | 95,664     | 95,229  | 96,112  |
| 13  | 97,182     | 96,825  | 97,553  | 97,497     | 97,156  | 97,856  | 95,611     | 95,161  | 96,073  |
| 14  | 97,134     | 96,762  | 97,521  | 97,452     | 97,097  | 97,826  | 95,545     | 95,073  | 96,029  |
| 15  | 97,072     | 96,678  | 97,482  | 97,393     | 97,017  | 97,789  | 95,463     | 94,960  | 95,979  |
| 16  | 96,993     | 96,569  | 97,435  | 97,318     | 96,914  | 97,744  | 95,362     | 94,818  | 95,921  |
| 17  | 96,898     | 96,436  | 97,380  | 97,227     | 96,788  | 97,691  | 95,241     | 94,646  | 95,853  |
| 18  | 96,789     | 96,282  | 97,318  | 97,125     | 96,641  | 97,632  | 95,100     | 94,442  | 95,775  |
| 19  | 96,670     | 96,111  | 97,253  | 97,011     | 96,479  | 97,570  | 94,939     | 94,208  | 95,687  |
| 20  | 96,545     | 95,927  | 97,186  | 96,894     | 96,307  | 97,508  | 94,760     | 93,945  | 95,589  |
| 21  | 96,414     | 95,751  | 97,118  | 96,775     | 96,125  | 97,446  | 94,581     | 93,652  | 95,479  |
| 22  | 96,277     | 95,523  | 97,048  | 96,648     | 95,933  | 97,384  | 94,342     | 93,328  | 95,358  |
| 23  | 96,137     | 95,309  | 96,977  | 96,522     | 95,738  | 97,321  | 94,106     | 92,980  | 95,225  |
| 24  | 95,996     | 95,096  | 96,904  | 96,397     | 95,546  | 97,258  | 93,857     | 92,615  | 95,082  |
| 25  | 95,858     | 94,891  | 96,829  | 96,275     | 95,364  | 97,194  | 93,597     | 92,239  | 94,929  |
| 26  | 95,722     | 94,695  | 96,752  | 96,158     | 95,193  | 97,129  | 93,327     | 91,854  | 94,766  |
| 27  | 95,588     | 94,506  | 96,673  | 96,045     | 95,032  | 97,063  | 93,046     | 91,457  | 94,592  |
| 28  | 95,455     | 94,322  | 96,590  | 95,933     | 94,877  | 96,995  | 92,751     | 91,046  | 94,405  |
| 29  | 95,319     | 94,137  | 96,503  | 95,821     | 94,725  | 96,924  | 92,438     | 90,616  | 94,202  |
| 30  | 95,178     | 93,948  | 96,410  | 95,706     | 94,570  | 96,850  | 92,105     | 90,162  | 93,981  |
| 31  | 95,030     | 93,752  | 96,310  | 95,587     | 94,412  | 96,771  | 91,751     | 89,683  | 93,741  |
| 32  | 94,875     | 93,550  | 96,203  | 95,463     | 94,250  | 96,686  | 91,375     | 89,178  | 93,480  |
| 33  | 94,712     | 93,339  | 96,087  | 95,333     | 94,081  | 96,594  | 90,976     | 88,649  | 93,198  |
| 34  | 94,538     | 93,116  | 95,960  | 95,194     | 93,902  | 96,494  | 90,554     | 88,096  | 92,893  |
| 35  | 94,351     | 92,879  | 95,822  | 95,045     | 93,710  | 96,385  | 90,109     | 87,520  | 92,564  |
| 36  | 94,149     | 92,626  | 95,671  | 94,879     | 93,503  | 96,265  | 89,639     | 86,920  | 92,210  |
| 37  | 93,931     | 92,354  | 95,506  | 94,700     | 93,278  | 96,132  | 89,142     | 86,293  | 91,829  |
| 38  | 93,695     | 92,061  | 95,326  | 94,505     | 93,034  | 95,987  | 88,616     | 85,634  | 91,420  |
| 39  | 93,440     | 91,745  | 95,131  | 94,293     | 92,768  | 95,828  | 88,066     | 84,937  | 90,980  |
| 40  | 93,164     | 91,404  | 94,920  | 94,061     | 92,478  | 95,654  | 87,459     | 84,198  | 90,509  |
| 41  | 92,865     | 91,034  | 94,691  | 93,808     | 92,161  | 95,465  | 86,822     | 83,413  | 90,005  |
| 42  | 92,541     | 90,632  | 94,443  | 93,530     | 91,813  | 95,258  | 86,144     | 82,581  | 89,466  |
| 43  | 92,189     | 90,195  | 94,175  | 93,226     | 91,431  | 95,032  | 85,426     | 81,703  | 88,893  |
| 44  | 91,807     | 89,720  | 93,885  | 92,893     | 91,012  | 94,784  | 84,667     | 80,779  | 88,285  |
| 45  | 91,392     | 89,203  | 93,571  | 92,527     | 90,551  | 94,513  | 83,867     | 79,811  | 87,643  |
| 46  | 90,942     | 88,641  | 93,231  | 92,126     | 90,045  | 94,224  | 83,024     | 78,797  | 86,964  |
| 47  | 90,453     | 88,029  | 92,864  | 91,688     | 89,489  | 93,894  | 82,135     | 77,733  | 86,248  |
| 48  | 89,923     | 87,362  | 92,468  | 91,208     | 88,877  | 93,543  | 81,199     | 76,617  | 85,488  |
| 49  | 89,347     | 86,634  | 92,042  | 90,682     | 88,204  | 93,163  | 80,215     | 75,447  | 84,691  |
| 50  | 88,721     | 85,840  | 91,585  | 90,106     | 87,463  | 92,751  | 79,182     | 74,220  | 83,853  |
| 51  | 88,042     | 84,976  | 91,090  | 89,476     | 86,649  | 92,306  | 78,098     | 72,936  | 82,972  |
| 52  | 87,307     | 84,038  | 90,560  | 88,790     | 85,759  | 91,825  | 76,961     | 71,592  | 82,044  |
| 53  | 86,513     | 83,020  | 89,992  | 88,044     | 84,788  | 91,307  | 75,762     | 70,182  | 81,064  |
| 54  | 85,656     | 81,918  | 89,383  | 87,236     | 83,732  | 90,750  | 74,493     | 68,696  | 80,024  |
| 55  | 84,732     | 80,728  | 88,731  | 86,362     | 82,587  | 90,152  | 73,148     | 67,128  | 78,918  |
| 56  | 83,738     | 79,447  | 88,032  | 85,420     | 81,351  | 89,510  | 71,721     | 65,475  | 77,739  |
| 57  | 82,671     | 78,073  | 87,292  | 84,406     | 80,020  | 88,821  | 70,211     | 63,739  | 76,484  |
| 58  | 81,527     | 76,599  | 86,479  | 83,315     | 78,588  | 88,081  | 68,620     | 61,926  | 75,150  |
| 59  | 80,300     | 75,020  | 85,621  | 82,140     | 77,046  | 87,288  | 66,954     | 60,046  | 73,737  |
| 60  | 78,987     | 73,332  | 84,703  | 80,878     | 75,389  | 86,437  | 65,213     | 58,105  | 72,243  |
| 61  | 77,586     | 71,532  | 83,723  | 79,523     | 73,612  | 85,525  | 63,406     | 56,111  | 70,677  |
| 62  | 76,094     | 69,623  | 82,675  | 78,074     | 71,719  | 84,544  | 61,530     | 54,062  | 69,033  |
| 63  | 74,508     | 67,610  | 81,548  | 76,532     | 69,718  | 83,498  | 59,563     | 51,948  | 67,275  |
| 64  | 72,827     | 65,504  | 80,329  | 74,898     | 67,622  | 82,347  | 57,474     | 49,754  | 65,356  |
| 65  | 71,050     | 63,311  | 79,007  | 73,173     | 65,440  | 81,114  | 55,247     | 47,472  | 63,247  |
| 66  | 69,179     | 61,042  | 77,577  | 71,360     | 63,184  | 79,783  | 52,881     | 45,111  | 60,938  |
| 67  | 67,214     | 58,699  | 76,037  | 69,456     | 60,852  | 78,349  | 50,398     | 42,686  | 58,458  |
| 68  | 65,146     | 56,270  | 74,381  | 67,447     | 58,431  | 76,798  | 47,832     | 40,204  | 55,869  |
| 69  | 62,966     | 53,738  | 72,604  | 65,315     | 55,898  | 75,114  | 45,226     | 37,672  | 53,265  |
| 70  | 60,668     | 51,095  | 70,704  | 63,049     | 53,243  | 73,286  | 42,626     | 35,104  | 50,678  |
| 71  | 58,252     | 48,340  | 68,678  | 60,647     | 50,465  | 71,309  | 40,035     | 32,496  | 48,163  |
| 72  | 55,727     | 45,495  | 66,526  | 58,119     | 47,585  | 69,183  | 37,465     | 29,873  | 45,705  |
| 73  | 53,114     | 42,601  | 64,247  | 55,483     | 44,640  | 66,906  | 34,969     | 27,312  | 43,227  |
| 74  | 50,439     | 39,713  | 61,842  | 52,761     | 41,681  | 64,476  | 32,602     | 24,909  | 41,050  |
| 75  | 47,724     | 36,873  | 59,313  | 49,973     | 38,749  | 61,894  | 30,407     | 22,734  | 38,884  |
| 76  | 44,981     | 34,105  | 56,662  | 47,133     | 35,866  | 59,163  | 28,297     | 20,810  | 36,833  |
| 77  | 42,217     | 31,414  | 53,893  | 44,249     | 33,042  | 56,288  | 26,250     | 19,122  | 34,889  |
| 78  | 39,434     | 28,796  | 51,011  | 41,325     | 30,275  | 53,277  | 24,870     | 17,627  | 33,058  |
| 79  | 36,634     | 26,245  | 48,023  | 38,368     | 27,564  | 50,138  | 23,291     | 16,275  | 31,260  |
| 80  | 33,821     | 23,758  | 44,934  | 35,387     | 24,914  | 46,881  | 21,788     | 15,021  | 29,530  |
| 81  | 31,004     | 21,342  | 41,753  | 32,395     | 22,335  | 43,519  | 20,331     | 13,851  | 27,821  |
| 82  | 28,196     | 19,012  | 38,489  | 29,411     | 19,847  | 40,064  | 18,894     | 12,684  | 26,100  |
| 83  | 25,416     | 16,794  | 35,151  | 26,458     | 17,480  | 36,532  | 17,458     | 11,574  | 24,334  |
| 84  | 22,687     | 14,721  | 31,750  | 23,564     | 15,271  | 32,939  | 16,007     | 10,508  | 22,484  |
| 85  | 20,037     | 12,836  | 28,297  | 20,762     | 13,268  | 29,303  | 14,533     | 9,509   | 20,510  |

SECTION 5 - LIFE TABLES

Table 5-4. Expectation of Life at Single Years of Age, by Color and Sex: United States, 1968

| Age | Total      |      |        | White      |      |        | All other  |      |        |
|-----|------------|------|--------|------------|------|--------|------------|------|--------|
|     | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 0   | 70.2       | 66.6 | 74.0   | 71.1       | 67.5 | 74.9   | 63.7       | 60.1 | 67.5   |
| 1   | 70.7       | 67.3 | 74.4   | 71.5       | 68.0 | 75.1   | 65.0       | 61.4 | 68.7   |
| 2   | 69.8       | 66.4 | 73.5   | 70.6       | 67.1 | 74.2   | 64.2       | 60.6 | 67.9   |
| 3   | 68.9       | 65.4 | 72.5   | 69.6       | 66.2 | 73.3   | 63.2       | 59.7 | 66.9   |
| 4   | 67.9       | 64.5 | 71.6   | 68.7       | 65.2 | 72.3   | 62.3       | 58.7 | 66.0   |
| 5   | 67.0       | 63.5 | 70.6   | 67.7       | 64.3 | 71.3   | 61.4       | 57.8 | 65.0   |
| 6   | 66.0       | 62.6 | 69.6   | 66.7       | 63.3 | 70.4   | 60.4       | 56.8 | 64.1   |
| 7   | 65.0       | 61.6 | 68.7   | 65.8       | 62.4 | 69.4   | 59.4       | 55.9 | 63.1   |
| 8   | 64.1       | 60.6 | 67.7   | 64.8       | 61.4 | 68.4   | 58.5       | 54.9 | 62.1   |
| 9   | 63.1       | 59.7 | 66.7   | 63.8       | 60.4 | 67.4   | 57.5       | 53.9 | 61.2   |
| 10  | 62.1       | 58.7 | 65.7   | 62.8       | 59.4 | 66.4   | 56.5       | 53.0 | 60.2   |
| 11  | 61.1       | 57.7 | 64.7   | 61.9       | 58.4 | 65.5   | 55.5       | 52.0 | 59.2   |
| 12  | 60.1       | 56.7 | 63.8   | 60.9       | 57.5 | 64.5   | 54.6       | 51.0 | 58.2   |
| 13  | 59.2       | 55.7 | 62.8   | 59.9       | 56.5 | 63.5   | 53.6       | 50.1 | 57.3   |
| 14  | 58.2       | 54.8 | 61.8   | 58.9       | 55.5 | 62.5   | 52.6       | 49.1 | 56.3   |
| 15  | 57.2       | 53.8 | 60.8   | 58.0       | 54.6 | 61.5   | 51.7       | 48.2 | 55.3   |
| 16  | 56.3       | 52.9 | 59.8   | 57.0       | 53.6 | 60.6   | 50.7       | 47.2 | 54.3   |
| 17  | 55.3       | 52.0 | 58.9   | 56.1       | 52.7 | 59.6   | 49.8       | 46.3 | 53.4   |
| 18  | 54.4       | 51.0 | 57.9   | 55.1       | 51.8 | 58.6   | 48.9       | 45.4 | 52.4   |
| 19  | 53.5       | 50.1 | 57.0   | 54.2       | 50.9 | 57.7   | 48.0       | 44.5 | 51.5   |
| 20  | 52.5       | 49.2 | 56.0   | 53.2       | 49.9 | 56.7   | 47.0       | 43.6 | 50.5   |
| 21  | 51.6       | 48.3 | 55.0   | 52.3       | 49.0 | 55.7   | 46.1       | 42.8 | 49.6   |
| 22  | 50.7       | 47.4 | 54.1   | 51.4       | 48.1 | 54.8   | 45.2       | 41.9 | 48.6   |
| 23  | 49.8       | 46.5 | 53.1   | 50.4       | 47.2 | 53.8   | 44.4       | 41.1 | 47.7   |
| 24  | 48.8       | 45.6 | 52.2   | 49.5       | 46.3 | 52.8   | 43.5       | 40.2 | 46.8   |
| 25  | 47.9       | 44.7 | 51.2   | 48.6       | 45.4 | 51.9   | 42.6       | 39.4 | 45.9   |
| 26  | 47.0       | 43.8 | 50.2   | 47.6       | 44.5 | 50.9   | 41.7       | 38.6 | 44.9   |
| 27  | 46.0       | 42.9 | 49.3   | 46.7       | 43.6 | 49.9   | 40.8       | 37.7 | 44.0   |
| 28  | 45.1       | 42.0 | 48.3   | 45.7       | 42.6 | 49.0   | 40.0       | 36.9 | 43.1   |
| 29  | 44.2       | 41.1 | 47.4   | 44.8       | 41.7 | 48.0   | 39.1       | 36.1 | 42.2   |
| 30  | 43.2       | 40.2 | 46.4   | 43.8       | 40.8 | 47.1   | 38.2       | 35.3 | 41.3   |
| 31  | 42.3       | 39.2 | 45.5   | 42.9       | 39.8 | 46.1   | 37.4       | 34.4 | 40.4   |
| 32  | 41.4       | 38.3 | 44.5   | 42.0       | 38.9 | 45.1   | 36.5       | 33.6 | 39.5   |
| 33  | 40.4       | 37.4 | 43.6   | 41.0       | 38.0 | 44.2   | 35.7       | 32.8 | 38.6   |
| 34  | 39.5       | 36.5 | 42.6   | 40.1       | 37.0 | 43.2   | 34.9       | 32.0 | 37.7   |
| 35  | 38.6       | 35.6 | 41.7   | 39.1       | 36.1 | 42.3   | 34.0       | 31.2 | 36.9   |
| 36  | 37.7       | 34.7 | 40.7   | 38.2       | 35.2 | 41.3   | 33.2       | 30.5 | 36.0   |
| 37  | 36.7       | 33.8 | 39.8   | 37.3       | 34.3 | 40.4   | 32.4       | 29.7 | 35.2   |
| 38  | 35.8       | 32.9 | 38.9   | 36.3       | 33.4 | 39.4   | 31.6       | 28.9 | 34.3   |
| 39  | 34.9       | 32.0 | 38.0   | 35.4       | 32.5 | 38.5   | 30.8       | 28.1 | 33.5   |
| 40  | 34.0       | 31.1 | 37.0   | 34.5       | 31.6 | 37.6   | 30.0       | 27.4 | 32.7   |
| 41  | 33.1       | 30.3 | 36.1   | 33.6       | 30.7 | 36.6   | 29.2       | 26.6 | 31.8   |
| 42  | 32.3       | 29.4 | 35.2   | 32.7       | 29.8 | 35.7   | 28.4       | 25.9 | 31.0   |
| 43  | 31.4       | 28.5 | 34.3   | 31.8       | 28.9 | 34.8   | 27.7       | 25.2 | 30.2   |
| 44  | 30.5       | 27.7 | 33.4   | 30.9       | 28.0 | 33.9   | 26.9       | 24.4 | 29.4   |
| 45  | 29.6       | 26.8 | 32.5   | 30.0       | 27.2 | 33.0   | 26.2       | 23.7 | 28.6   |
| 46  | 28.8       | 26.0 | 31.7   | 29.2       | 26.3 | 32.1   | 25.4       | 23.0 | 27.9   |
| 47  | 27.9       | 25.2 | 30.8   | 28.3       | 25.5 | 31.2   | 24.7       | 22.3 | 27.1   |
| 48  | 27.1       | 24.4 | 29.9   | 27.4       | 24.7 | 30.3   | 24.0       | 21.7 | 26.3   |
| 49  | 26.3       | 23.6 | 29.0   | 26.6       | 23.8 | 29.4   | 23.3       | 21.0 | 25.6   |
| 50  | 25.4       | 22.8 | 28.2   | 25.8       | 23.0 | 28.6   | 22.5       | 20.3 | 24.8   |
| 51  | 24.6       | 22.0 | 27.3   | 25.0       | 22.3 | 27.7   | 21.9       | 19.7 | 24.1   |
| 52  | 23.8       | 21.2 | 26.5   | 24.1       | 21.5 | 26.8   | 21.2       | 19.0 | 23.3   |
| 53  | 23.1       | 20.5 | 25.7   | 23.3       | 20.7 | 26.0   | 20.5       | 18.4 | 22.6   |
| 54  | 22.3       | 19.8 | 24.8   | 22.6       | 20.0 | 25.2   | 19.8       | 17.8 | 21.9   |
| 55  | 21.5       | 19.0 | 24.0   | 21.8       | 19.2 | 24.3   | 19.2       | 17.2 | 21.2   |
| 56  | 20.8       | 18.3 | 23.2   | 21.0       | 18.5 | 23.5   | 18.6       | 16.6 | 20.5   |
| 57  | 20.0       | 17.7 | 22.4   | 20.3       | 17.8 | 22.7   | 18.0       | 16.0 | 19.8   |
| 58  | 19.3       | 17.0 | 21.6   | 19.5       | 17.1 | 21.9   | 17.4       | 15.5 | 19.2   |
| 59  | 18.6       | 16.3 | 20.8   | 18.8       | 16.5 | 21.0   | 16.8       | 15.0 | 18.5   |
| 60  | 17.9       | 15.7 | 20.0   | 18.1       | 15.8 | 20.2   | 16.2       | 14.5 | 17.9   |
| 61  | 17.2       | 15.1 | 19.3   | 17.4       | 15.2 | 19.5   | 15.7       | 14.0 | 17.3   |
| 62  | 16.5       | 14.5 | 18.5   | 16.7       | 14.6 | 18.7   | 15.1       | 13.5 | 16.7   |
| 63  | 15.9       | 13.9 | 17.7   | 16.0       | 14.0 | 17.9   | 14.6       | 13.0 | 16.1   |
| 64  | 15.2       | 13.3 | 17.0   | 15.3       | 13.4 | 17.1   | 14.1       | 12.5 | 15.6   |
| 65  | 14.6       | 12.8 | 16.3   | 14.7       | 12.8 | 16.4   | 13.7       | 12.1 | 15.1   |
| 66  | 14.0       | 12.2 | 15.6   | 14.1       | 12.3 | 15.7   | 13.3       | 11.7 | 14.7   |
| 67  | 13.4       | 11.7 | 14.9   | 13.4       | 11.7 | 14.9   | 12.9       | 11.4 | 14.3   |
| 68  | 12.8       | 11.2 | 14.2   | 12.8       | 11.2 | 14.2   | 12.6       | 11.0 | 13.9   |
| 69  | 12.2       | 10.7 | 13.5   | 12.2       | 10.7 | 13.5   | 12.3       | 10.8 | 13.6   |
| 70  | 11.7       | 10.2 | 12.9   | 11.6       | 10.2 | 12.9   | 12.0       | 10.5 | 13.2   |
| 71  | 11.1       | 9.8  | 12.2   | 11.1       | 9.7  | 12.2   | 11.7       | 10.3 | 12.9   |
| 72  | 10.6       | 9.4  | 11.6   | 10.5       | 9.3  | 11.6   | 11.5       | 10.2 | 12.6   |
| 73  | 10.1       | 9.0  | 11.0   | 10.0       | 8.9  | 10.9   | 11.3       | 10.1 | 12.2   |
| 74  | 9.6        | 8.6  | 10.4   | 9.5        | 8.5  | 10.3   | 11.0       | 10.0 | 11.9   |
| 75  | 9.1        | 8.2  | 9.9    | 9.0        | 8.1  | 9.8    | 10.8       | 9.9  | 11.5   |
| 76  | 8.6        | 7.8  | 9.3    | 8.5        | 7.7  | 9.2    | 10.5       | 9.8  | 11.1   |
| 77  | 8.2        | 7.4  | 8.7    | 8.0        | 7.3  | 8.6    | 10.2       | 9.6  | 10.7   |
| 78  | 7.7        | 7.1  | 8.2    | 7.6        | 6.9  | 8.1    | 9.9        | 9.3  | 10.2   |
| 79  | 7.3        | 6.7  | 7.7    | 7.1        | 6.5  | 7.6    | 9.5        | 9.0  | 9.8    |
| 80  | 6.8        | 6.3  | 7.2    | 6.7        | 6.2  | 7.0    | 9.1        | 8.7  | 9.3    |
| 81  | 6.4        | 6.0  | 6.7    | 6.2        | 5.8  | 6.6    | 8.7        | 8.4  | 8.9    |
| 82  | 6.0        | 5.7  | 6.2    | 5.8        | 5.5  | 6.1    | 8.3        | 8.1  | 8.4    |
| 83  | 5.6        | 5.3  | 5.8    | 5.4        | 5.1  | 5.6    | 8.0        | 7.9  | 8.0    |
| 84  | 5.2        | 5.0  | 5.3    | 5.0        | 4.8  | 5.2    | 7.7        | 7.6  | 7.6    |
| 85  | 4.8        | 4.7  | 4.9    | 4.7        | 4.5  | 4.8    | 7.4        | 7.4  | 7.3    |

SECTION 5 - LIFE TABLES

Table 5-5. Life Table Values by Color and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1968

[Alaska and Hawaii included for 1959 and 1960. 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" cover only Negroes. However, in no case did the Negro 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 ( $l_x$ ) |         |         |         |         |         |         |         |           | Average number of years of life remaining ( $e_x^o$ ) |      |         |         |         |         |         |         |           |
|------------------------|---|---------|---------|---------|---------|---------|---------|---------|-----------|---|------|---------|---------|---------|---------|---------|---------|-----------|
|                        | 1968  | 1967    | 1959-61 | 1949-51 | 1939-41 | 1929-31 | 1919-21 | 1909-11 | 1900-1902 | 1968  | 1967 | 1959-61 | 1949-51 | 1939-41 | 1929-31 | 1919-21 | 1909-11 | 1900-1902 |
|                        | <b>WHITE, MALE</b>                                      |         |         |         |         |         |         |         |           |   |      |         |         |         |         |         |         |           |
| 0                      | 100,000   | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000   | 67.5  | 67.8 | 67.55   | 66.31   | 62.81   | 59.12   | 56.34   | 50.23   | 48.23     |
| 1                      | 97,814  | 97,768  | 97,408  | 96,931  | 95,188  | 93,768  | 91,975  | 87,674  | 86,655    | 68.0  | 68.3 | 68.34   | 67.41   | 64.98   | 62.04   | 60.24   | 56.26   | 54.61     |
| 5                      | 97,468  | 97,436  | 97,015  | 96,403  | 94,150  | 91,738  | 88,842  | 82,972  | 80,864    | 64.3  | 64.6 | 64.61   | 63.77   | 61.68   | 59.38   | 58.31   | 55.37   | 54.43     |
| 10                     | 97,266  | 97,213  | 96,758  | 96,069  | 93,601  | 90,810  | 87,530  | 81,519  | 79,109    | 59.4  | 59.7 | 59.78   | 58.98   | 57.03   | 54.96   | 54.15   | 51.32   | 50.59     |
| 15                     | 97,017  | 96,976  | 96,503  | 95,728  | 93,089  | 90,074  | 86,546  | 80,549  | 78,037    | 54.6  | 54.9 | 54.93   | 54.18   | 52.35   | 50.39   | 49.74   | 46.91   | 46.25     |
| 20                     | 96,307  | 96,298  | 95,908  | 95,104  | 92,293  | 88,904  | 84,897  | 79,116  | 76,376    | 49.9  | 50.2 | 50.25   | 49.52   | 47.76   | 46.02   | 45.60   | 42.71   | 42.19     |
| 25                     | 95,364  | 95,421  | 95,106  | 94,294  | 91,241  | 87,371  | 83,061  | 77,047  | 73,907    | 45.4  | 45.7 | 45.65   | 44.93   | 43.28   | 41.78   | 41.60   | 38.79   | 38.52     |
| 30                     | 94,570  | 94,656  | 94,401  | 93,489  | 90,092  | 85,707  | 80,888  | 74,810  | 71,219    | 40.8  | 41.0 | 40.97   | 40.29   | 38.80   | 37.54   | 37.65   | 34.87   | 34.88     |
| 35                     | 93,710  | 93,812  | 93,589  | 92,543  | 88,713  | 83,812  | 78,441  | 72,108  | 68,245    | 36.1  | 36.4 | 36.31   | 35.68   | 34.36   | 33.33   | 33.74   | 31.08   | 31.29     |
| 40                     | 92,478  | 92,583  | 92,427  | 91,173  | 86,880  | 81,457  | 75,733  | 68,848  | 64,954    | 31.6  | 31.8 | 31.73   | 31.17   | 30.03   | 29.22   | 29.86   | 27.43   | 27.74     |
| 45                     | 90,551  | 90,692  | 90,533  | 89,002  | 84,285  | 78,345  | 72,696  | 65,115  | 61,369    | 27.2  | 27.4 | 27.34   | 26.87   | 25.87   | 25.28   | 26.00   | 23.86   | 24.21     |
| 50                     | 87,463  | 87,632  | 87,424  | 85,601  | 80,521  | 74,288  | 69,107  | 60,741  | 57,274    | 25.0  | 25.3 | 25.22   | 24.85   | 23.96   | 23.53   | 24.22   | 22.39   | 22.76     |
| 55                     | 82,587  | 82,831  | 82,463  | 80,496  | 75,156  | 68,981  | 64,574  | 55,622  | 52,491    | 19.2  | 19.5 | 19.45   | 19.11   | 18.54   | 17.97   | 18.59   | 17.03   | 17.42     |
| 60                     | 75,399  | 75,692  | 75,485  | 73,172  | 67,787  | 61,933  | 58,498  | 48,987  | 46,452    | 15.8  | 16.1 | 16.01   | 15.76   | 15.05   | 14.72   | 15.25   | 13.98   | 14.35     |
| 65                     | 65,440  | 65,990  | 65,834  | 63,541  | 58,305  | 52,964  | 50,663  | 40,862  | 39,245    | 12.8  | 13.0 | 12.97   | 12.78   | 12.07   | 11.77   | 12.21   | 11.25   | 11.61     |
| 70                     | 53,243  | 53,962  | 53,825  | 51,735  | 46,739  | 41,880  | 40,873  | 31,527  | 30,640    | 10.2  | 10.4 | 10.39   | 10.29   | 9.42    | 9.20    | 9.51    | 8.83    | 9.03      |
| 75                     | 38,749  | 39,716  | 40,207  | 38,104  | 33,404  | 29,471  | 29,205  | 21,585  | 21,387    | 8.1   | 8.2  | 7.92    | 7.77    | 7.02    | 7.30    | 6.75    | 6.84    | 7.00      |
| 80                     | 24,914  | 25,904  | 25,993  | 24,005  | 19,860  | 17,221  | 17,655  | 12,160  | 12,266    | 6.2   | 6.2  | 5.89    | 5.88    | 5.38    | 5.26    | 5.47    | 5.09    | 5.10      |
| 85                     | 13,268  | 13,896  | 13,065  | 12,015  | 9,013   | 7,572   | 8,154   | 5,145   | 5,252     | 4.5   | 4.5  | 4.34    | 4.35    | 4.02    | 3.99    | 4.06    | 3.88    | 3.81      |
| <b>ALL OTHER, MALE</b> |   |         |         |         |         |         |         |         |           |   |      |         |         |         |         |         |         |           |
| 0                      | 100,000   | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000   | 60.1  | 61.1 | 61.48   | 58.91   | 52.33   | 47.55   | 47.14   | 34.05   | 32.54     |
| 1                      | 96,222  | 96,080  | 95,301  | 94,911  | 91,696  | 89,268  | 86,499  | 78,065  | 74,674    | 61.4  | 62.6 | 63.50   | 61.06   | 56.05   | 51.08   | 51.63   | 42.53   | 42.46     |
| 5                      | 95,646  | 95,498  | 94,570  | 94,221  | 90,920  | 88,432  | 85,195  | 76,589  | 74,385    | 57.8  | 59.0 | 59.98   | 57.69   | 53.13   | 48.69   | 50.18   | 44.25   | 45.06     |
| 10                     | 95,324  | 95,184  | 94,234  | 93,885  | 89,211  | 87,311  | 83,768  | 74,570  | 71,750    | 53.0  | 54.2 | 55.19   | 52.96   | 48.54   | 44.27   | 45.99   | 40.65   | 41.90     |
| 15                     | 94,860  | 94,870  | 93,874  | 93,525  | 88,417  | 86,152  | 82,332  | 72,478  | 69,667    | 48.2  | 49.4 | 50.39   | 48.23   | 43.95   | 39.83   | 41.75   | 36.77   | 38.26     |
| 20                     | 93,945  | 93,982  | 93,108  | 92,759  | 87,305  | 84,621  | 80,577  | 70,573  | 67,753    | 43.6  | 44.8 | 45.78   | 43.73   | 39.74   | 35.95   | 38.36   | 33.46   | 35.11     |
| 25                     | 92,239  | 92,432  | 91,825  | 91,418  | 85,655  | 82,516  | 77,544  | 67,336  | 64,285    | 39.4  | 40.5 | 41.38   | 39.49   | 35.94   | 32.67   | 35.54   | 30.44   | 32.21     |
| 30                     | 90,162  | 90,499  | 90,270  | 89,327  | 83,065  | 79,583  | 74,544  | 64,073  | 61,067    | 35.3  | 36.3 | 37.05   | 35.31   | 32.25   | 29.45   | 32.51   | 27.33   | 29.25     |
| 35                     | 87,520  | 88,080  | 88,331  | 87,140  | 80,493  | 76,785  | 72,049  | 61,875  | 59,451    | 31.2  | 32.2 | 32.81   | 31.21   | 28.67   | 26.39   | 29.54   | 24.42   | 26.16     |
| 40                     | 84,198  | 85,013  | 85,744  | 84,332  | 77,830  | 74,710  | 70,353  | 60,414  | 57,899    | 27.4  | 28.3 | 28.72   | 27.29   | 25.23   | 23.36   | 26.53   | 21.57   | 23.12     |
| 45                     | 79,811  | 80,882  | 82,075  | 80,686  | 74,514  | 71,547  | 67,312  | 58,330  | 55,629    | 23.7  | 24.6 | 24.89   | 23.59   | 22.02   | 20.59   | 23.55   | 18.85   | 20.09     |
| 50                     | 74,220  | 75,675  | 77,239  | 75,891  | 70,766  | 67,846  | 63,627  | 55,347  | 52,766    | 20.3  | 21.1 | 21.28   | 20.25   | 19.18   | 17.92   | 20.47   | 16.21   | 17.34     |
| 55                     | 67,128  | 68,720  | 70,351  | 69,022  | 64,067  | 60,781  | 56,581  | 48,754  | 46,377    | 17.2  | 18.0 | 18.11   | 17.36   | 16.67   | 15.46   | 17.50   | 13.82   | 14.69     |
| 60                     | 58,105  | 59,951  | 61,669  | 60,454  | 56,370  | 53,210  | 49,184  | 41,506  | 39,149    | 14.5  | 15.3 | 15.29   | 14.91   | 14.38   | 13.15   | 14.74   | 11.67   | 12.62     |
| 65                     | 47,472  | 50,180  | 51,392  | 49,952  | 46,912  | 44,342  | 41,042  | 34,042  | 32,102    | 12.1  | 12.7 | 12.84   | 12.75   | 12.18   | 10.87   | 12.07   | 9.74    | 10.38     |
| 70                     | 35,104  | 37,539  | 39,914  | 38,418  | 35,668  | 33,323  | 31,295  | 25,829  | 24,329    | 10.5  | 11.2 | 10.81   | 10.74   | 10.06   | 8.78    | 9.58    | 8.00    | 8.33      |
| 75                     | 22,734  | 25,605  | 28,064  | 26,472  | 23,765  | 22,419  | 21,285  | 17,494  | 16,588    | 9.9   | 10.3 | 9.93    | 9.83    | 9.09    | 7.61    | 8.68    | 6.60    | 6.60      |
| 80                     | 15,021  | 17,348  | 19,994  | 18,904  | 16,352  | 15,239  | 14,615  | 12,394  | 12,266    | 8.7   | 9.0  | 8.67    | 8.67    | 7.87    | 6.46    | 7.53    | 5.53    | 5.12      |
| 85                     | 9,509   | 11,344  | 13,620  | 12,620  | 10,492  | 9,360   | 8,747   | 7,447   | 7,200     | 7.4   | 7.5  | 7.08    | 7.08    | 6.46    | 5.08    | 6.43    | 4.48    | 4.04      |
| <b>WHITE, FEMALE</b>   |   |         |         |         |         |         |         |         |           |   |      |         |         |         |         |         |         |           |
| 0                      | 100,000   | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000   | 74.9  | 75.1 | 74.19   | 72.03   | 67.29   | 62.67   | 58.53   | 53.62   | 51.08     |
| 1                      | 98,363  | 98,318  | 98,036  | 97,645  | 96,211  | 95,037  | 93,608  | 89,774  | 88,339    | 75.1  | 75.3 | 74.68   | 72.77   | 68.93   | 64.13   | 61.51   | 58.69   | 56.39     |
| 5                      | 98,083  | 98,053  | 97,709  | 97,199  | 95,309  | 93,216  | 90,721  | 85,349  | 83,426    | 71.3  | 71.5 | 70.92   | 69.09   | 65.57   | 62.97   | 59.43   | 57.67   | 56.03     |
| 10                     | 97,928  | 97,891  | 97,525  | 96,960  | 94,890  | 92,466  | 89,564  | 83,979  | 81,723    | 66.4  | 66.7 | 66.05   | 64.26   | 60.85   | 57.65   | 55.17   | 53.57   | 52.15     |
| 15                     | 97,789  | 97,754  | 97,375  | 96,758  | 94,534  | 91,894  | 88,712  | 83,093  | 80,680    | 61.5  | 61.7 | 61.15   | 59.39   | 56.07   | 53.00   | 50.67   | 49.12   | 47.79     |
| 20                     | 97,508  | 97,486  | 97,135  | 96,454  | 93,984  | 90,939  | 87,281  | 81,750  | 78,978    | 56.7  | 56.9 | 56.29   | 54.56   | 51.58   | 48.52   | 46.46   | 44.88   | 43.57     |
| 25                     | 97,194  | 97,179  | 96,844  | 96,072  | 93,228  | 89,524  | 85,165  | 79,885  | 76,588    | 51.9  | 52.1 | 51.45   | 49.77   | 46.78   | 44.25   | 42.55   | 40.88   | 40.00     |
| 30                     | 96,850  | 96,841  | 96,499  | 95,605  | 92,220  | 87,972  | 82,740  | 77,676  | 73,887    | 47.1  | 47.2 | 46.63   | 45.00   | 42.21   | 39.99   | 38.72   | 36.96   | 36.42     |
| 35                     | 96,385  | 96,382  | 96,026  | 94,977  | 91,211  | 86,248  | 80,206  | 75,200  | 70,971    | 42.3  | 42.5 | 41.84   | 40.28   | 37.70   | 35.73   | 34.86   | 33.09   | 32.82     |
| 40                     | 95,654  | 95,662  | 95,326  | 94,080  | 89,805  | 84,256  | 77,624  | 72,425  | 67,935    | 37.6  | 37.8 | 37.13   | 35.64   | 33.25   | 31.52   | 30.94   | 29.26   | 29.17     |
| 45                     | 94,513  | 94,550  | 94,228  | 92,725  | 87,920  | 81,780  | 74,871  | 69,341  | 64,677    | 35.0  | 35.2 | 34.53   | 33.12   | 30.90   | 29.39   | 28.98   | 27.45   | 27.51     |
| 50                     | 92,751  | 92,822  | 92,522  | 90,685  | 85,267  | 78,572  | 71,547  | 65,629  | 61,005    | 28.6  | 28.7 | 28.08   | 26.76   | 24.72   | 23.41   | 23.12   | 21.74   | 21.89     |
| 55                     | 90,152  | 90,293  | 89,967  | 87,699  | 81,520  | 74,321  | 67,323  | 61,053  | 56,509    | 24.3  | 24.5 | 23.81   | 22.58   | 20.73   | 19.60   | 19.40   | 18.18   | 18.43     |
| 60                     | 86,437  | 86,647  | 86,339  | 83,279  | 76,200  | 68,462  | 61,704  | 54,900  | 50,752    | 20.2  | 20.4 | 19.69   | 18.64   | 17.00   | 16.05   | 15.93   | 14.92   |           |

SECTION 5 - LIFE TABLES

Table 5-6. Estimated Average Length of Life in Years, by Color and Sex: Death-Registration States, 1900-1928, and United States, 1929-68

[Estimates based on life table values shown in table 5-5]

| Area and year             | Total      |      |        | White      |      |        | All other  |      |        |
|---------------------------|------------|------|--------|------------|------|--------|------------|------|--------|
|                           | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| UNITED STATES             |            |      |        |            |      |        |            |      |        |
| 1968                      | 70.2       | 66.6 | 74.0   | 71.1       | 67.5 | 74.9   | 63.7       | 60.1 | 67.5   |
| 1967                      | 70.5       | 67.0 | 74.2   | 71.3       | 67.8 | 75.1   | 64.6       | 61.1 | 68.2   |
| 1966                      | 70.1       | 66.7 | 73.8   | 71.0       | 67.6 | 74.7   | 64.0       | 60.7 | 67.4   |
| 1965                      | 70.2       | 66.8 | 73.7   | 71.0       | 67.6 | 74.7   | 64.1       | 61.1 | 67.4   |
| 1964                      | 70.2       | 66.9 | 73.7   | 71.0       | 67.7 | 74.6   | 64.1       | 61.1 | 67.2   |
| 1963 <sup>1</sup>         | 69.9       | 66.6 | 73.4   | 70.8       | 67.5 | 74.4   | 63.6       | 60.9 | 66.5   |
| 1962 <sup>1</sup>         | 70.0       | 66.8 | 73.4   | 70.9       | 67.6 | 74.4   | 64.1       | 61.5 | 66.8   |
| 1961                      | 70.2       | 67.0 | 73.6   | 71.0       | 67.8 | 74.5   | 64.4       | 61.9 | 67.0   |
| 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 | 66.6   |
| 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   | 67.5       | 65.9 | 69.4   | 56.6       | 55.4 | 58.2   |
| 1941                      | 64.8       | 63.1 | 66.8   | 66.2       | 64.4 | 68.5   | 55.8       | 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   |

<sup>1</sup>Figures by color exclude data for residents of New Jersey; see Technical Appendix.

**FILE**



# VITAL STATISTICS OF THE UNITED STATES, 1968

## VOLUME II—MORTALITY

### PART A

#### Section 1. General Mortality

Summary tables containing crude, age-specific, and age-adjusted death rates; death rates by cause; maternal mortality. Detailed tabulations of deaths by cause for the United States and each State. Data shown by age, sex, color and race, cause of death, and month.

#### Section 2. Infant Mortality

Tabulations of infant deaths and infant mortality rates by age, color, sex, cause of death, and by State. Additional frequency tables by month of death and by population-size groups in metropolitan and nonmetropolitan counties.

#### Section 3. Fetal Mortality

Tabulations of numbers of deaths and ratios by age of mother, legitimacy, geographic areas; fetal death rates by plurality. Numbers of deaths by additional characteristics—month, birth order, attendant, period of gestation, birth weight.

#### Section 4. Accident Mortality

Deaths from motor vehicle accidents by type of vehicle and from nontransport accidents by place of accident. Figures tabulated by age, color, and sex for the United States and by color and sex for each State.

#### Section 5. Life Tables

Separate release

Abridged life tables and interpolated values of the  $l_x$  and  $e_x$  by single years of age for the national population by color and sex.

#### Section 6. Technical Appendix

Text discussion of factors affecting the collection, classification, and interpretation of the mortality statistics published in Volume II. Includes population tables for computing vital rates.

### PART B

#### Section 7. Geographic Detail for Mortality

Total number of deaths, deaths from selected causes, infant deaths, neonatal deaths, fetal deaths, and selected rates and ratios. Tabulations shown by each State, county, specified urban places, metropolitan and nonmetropolitan counties, population-size groups, and standard metropolitan statistical areas.