

U.S. Decennial Life Tables for 2009–2011, United States Life Tables

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This report was revised on October 1, 2020, to correct probabilities of death for age group 0–1 in Tables 1–18 that were affected by a programming error. Neither the errors nor corrections affect any other life table functions or values.

Abstract

Objectives—This report presents period life tables for the United States, based on age-specific death rates for the period 2009–2011. These tables are the most recent in a 110-year series of decennial life tables for the United States.

Methods—This report presents complete life tables for the United States by race, Hispanic origin, and sex, based on age-specific death rates during 2009–2011. This is the first set of life tables by Hispanic origin presented in the U.S. decennial life table series. Data used to prepare these life tables include population estimates based on the 2010 decennial census; deaths occurring in the United States to U.S. residents in the 3 years 2009 through 2011; counts of U.S. resident births in the years 2007 through 2011; and population and death counts from the Medicare program for years 2009 through 2011. The methodology used to estimate life tables for the Hispanic population is based on the method first implemented with the 2006 annual U.S. life tables by Hispanic origin. The methodology used to estimate the life tables for all other groups is based on the method first implemented with the 2008 annual U.S. life tables.

Results—During 2009–2011, life expectancy at birth was 78.60 years for the total U.S. population, representing an increase of 29.36 years from a life expectancy of 49.24 years in 1900. Between 1900 and 2010, life expectancy increased by 42.88 years for black females (from 35.04 to 77.92), by 39.21 years for black males (from 32.54 to 71.75), by 30.15 years for white females (from 51.08 to 81.23), and by 28.26 years for white males (from 48.23 to 76.49). During 2009–2011, Hispanic females had the highest life expectancy at birth (84.05), followed by non-Hispanic white females (81.06), Hispanic males (78.83), non-Hispanic black females (77.62), non-Hispanic white males (76.30), and non-Hispanic black males (71.41).

Keywords: life expectancy • survival • death rates • Hispanic origin • race • National Vital Statistics System

Introduction

The 2009–2011 life tables presented in this report are the 12th in the decennial series of life tables for the United States that dates back to the beginning of the 20th century. The reporting of deaths at the national level began in 1900 with 10 states and the District of Columbia. As the quality of the reporting improved, states were added to the death-registration area. Beginning with 1929–1931, the decennial life tables were produced using data for the conterminous United States. Alaska and Hawaii were included beginning with the 1959–1961 decennial life tables.

Life tables by Hispanic origin are presented for the first time in the decennial life table series for the period 2009–2011. Several reasons explain why decennial life tables by Hispanic origin were not produced earlier. First, coverage of the Hispanic population in the U.S. vital statistics mortality data was incomplete until 1997. Second, evaluation studies conducted in the 1990s revealed that decedents of Hispanic origin were misclassified, leading to significant underestimation of Hispanic mortality. Lastly, age misstatement in vital and census data at ages 80 and over resulted in substantial underestimation of mortality at these ages. The solution to this problem is the use of Medicare data, which is considered to be of high quality because proof of age is required upon enrollment. However, Medicare data for groups other than the white and black populations are of poor quality and unreliable. A methodology was developed to address the latter two problems, and the first U.S. life tables by Hispanic origin were produced for the 2006 annual U.S. life tables.

Life tables for each decennial period are based on population data from the decennial census and reported deaths for the 3-year period surrounding the census year (the census year is the middle year in all but the first in the series, where deaths for 1900–1902 were used because death reports for 1899 were not collected [1]). The decennial life tables differ in one major way from the life tables prepared and published annually in *National Vital Statistics Reports*. The annual tables are based on deaths in a single year and, except for census years, on



postcensal population estimates rather than on the data from a decennial census.

There are two types of life tables—the cohort (or generation) life table and the period (or current) life table. The cohort life table provides a longitudinal perspective in that it follows the mortality experience of an actual cohort; for example, all persons born in the year 1945, from the moment of birth through consecutive ages in successive years. Based on age-specific death rates observed during consecutive years, the cohort life table reflects the mortality experience of a cohort from birth until no lives remain in the group. To prepare a single complete cohort life table requires data over many years. It is usually not feasible to construct cohort life tables entirely based on observed data for real cohorts due to data unavailability or incompleteness (2–4).

Unlike the cohort life table, the period life table does not represent the mortality experience of an actual birth cohort. Rather, the period life table presents what would happen to a hypothetical cohort if it experienced throughout its entire life the mortality conditions of a particular period in time. For example, the period life tables for 2009–2011 assume that a hypothetical birth cohort will be subject throughout its lifetime to the age-specific death rates prevailing for the actual population during 2009–2011. The period life table may be characterized as rendering a “snapshot” of current mortality experience and shows the long-range implications of a set of age-specific death rates that prevailed at a given point in time. The life tables presented in this report are period life tables based on age-specific death rates for the period 2009–2011.

This report is the first of a series of reports containing life tables for 2009–2011 and other information related to the decennial life-table program. Also included in the series are a methodological report that details the methods used to estimate the national life tables, a report on national life tables analyzed by major groups of causes of death, and a report containing life tables for individual states and the District of Columbia, including a description of the methods used to estimate individual state life tables.

Data and Methods

The data used to prepare the U.S. decennial life tables for 2009–2011 include (1) deaths occurring in the United States to residents of the United States in the 3-year period 2009–2011 classified by age at death; (2) age-specific population estimates for census year 2010; (3) reported number of births for each of the years 2007 through 2011; and (4) single-year population and death counts for ages 66 to 100 from the Medicare program of the Centers for Medicare and Medicaid Services for the years 2009 through 2011.

The population data used to estimate the life tables shown in this report were produced under a collaborative agreement with the U.S. Census Bureau. Reflecting the 1997 Office of Management and Budget (OMB) guidelines on race and ethnicity reporting (5), the 2010 Census included an option for individuals to report more than one race and provided for the reporting of Asian persons separately from Native Hawaiian or Other Pacific Islander persons. Consequently, death certificate data by race

for states that had not implemented the 1997 OMB standards are incompatible with the population data collected in the 2010 Census (the denominators for the rates). To produce death rates for 2009–2011, it was necessary to bridge the reported population data for multiple-race persons back to single-race categories. Additionally, the 2010 Census counts were modified for consistency with the 1977 OMB race categories, that is, to report the data for Asian persons and Native Hawaiian or Other Pacific Islander persons as a combined category (Asian or Pacific Islander) (6). The procedures used to produce the bridged populations are described elsewhere (7).

Data adjustments were necessary prior to the construction of the life tables. According to standard practice, deaths for which age was not stated were allocated proportionally among the various age groups. Similarly, graduation techniques were used to eliminate irregularities arising from random variation and problems with age reporting in vital statistics and census data. Beer’s minimized fifth-difference procedure was used to interpolate single-year-of-age number of deaths and population counts from 5-year age intervals (2). Life tables for the Hispanic, non-Hispanic white, and non-Hispanic black populations are based on death rates that have been adjusted for race and ethnicity misclassification on death certificates using classification ratios (adjustment factors) (8). For the Hispanic population, death rates for the population aged 80 and over are based on statistical modeling (9). For the total, white, black, non-Hispanic white, and non-Hispanic black populations, death rates for ages 66–110 are based on blending and modeling death rates from vital statistics data (registered deaths and census population estimates) and Medicare death rates (10).

These life tables are based on a complete count of resident deaths in the United States during the 3 years 2009, 2010, and 2011. As such, they are not subject to sampling error. However, even complete counts may be considered as one of a large series of possible outcomes that could have occurred under the same circumstances. This type of variation is known as random error. Readers should note that the standard errors shown in this report reflect only this random error. Other errors, such as misreporting age on death certificates or in the census, are not reflected in these standard errors.

The probabilities of dying and the expectation of life presented in the report are “point” estimates and so, do not indicate how accurate they are. Therefore, standard errors of these two estimates are also presented. These can be used to develop confidence intervals within which the parameters are believed to lie. Standard errors of the probability of dying and of life expectancy contain six and three decimal places, respectively, and are shown in [Tables 19](#) and [20](#). In computing confidence intervals, the limits are rounded to the same number of decimal places that the variable has in the life table.

To obtain a confidence interval around a point estimate, one would add and subtract from the point estimate the product of the standard z value corresponding to the desired confidence probability and the standard error of the point estimate. For example, a 95% confidence interval for the probability that a black male will die before reaching age 60 is $0.016506 - (1.96 \cdot 0.000169)$ and $0.016506 + (1.96 \cdot 0.000169)$ (see

Tables 8 and 19). The resulting 95% confidence interval ranges from 0.016175 to 0.016837. Likewise, to obtain a 95% confidence interval around the life expectancy of a 59-year-old black male, one would add and subtract the product of the standard z value (1.96) and the standard error of the point estimate (0.015) (Table 20) from life expectancy at age 59 (19.86 years). The 95% confidence interval in this case ranges from 19.83 to 19.89 years. The standard errors and confidence intervals are relatively small because of the large number of deaths in the combined 3 data years 2009–2011.

Expectation of life

The most frequently used life table statistic is life expectancy (e_x), which is the average number of years of life remaining for persons who have attained a given age (x). Life expectancy and other life table values for each age during the 2009–2011 period are shown for the total population by race, Hispanic origin, and sex in Tables 1–18.

Life expectancy at birth (e_0) for the 2009–2011 period for the total population was 78.60 years. This represents the average number of years that the members of the hypothetical life table cohort can expect to live at the time of birth (Table 1).

Survivors to specified ages

Another way of assessing the longevity of the period life table cohort is by determining the proportion that survives to specified ages. The l_x column of the life table provides the data for computing this proportion. To illustrate, 57,081 persons out of the original 2009–2011 hypothetical life table cohort of 100,000 (or 57.1%) were alive at exact age 80 (Table 1). In other words, the probability that a person will survive from birth to age 80, given 2009–2011 age-specific mortality, is 57.1%. Probabilities of survival can be calculated at any age by dividing the number of survivors at the terminal age by the number at the beginning age. For example, to calculate the probability of surviving from age 20 to age 85, one would divide the number of survivors at age 85 (41,400) by the number of survivors at age 20 (98,899), which results in a 41.9% probability of survival.

Explanation of life table columns

Column 1. Age (x to $x + n$)—Shows the age interval between the two exact ages indicated. For instance, 7–28 days refers to the 21-day interval between the exact ages of 7 days and 28 days, and 43–44 years refers to the 1-year interval between ages 43 and 44. In the life tables in this report, the age interval is always 1 year, except in the case of subdivisions of the first year of life (Table 1).

Column 2. Probability of dying (${}_nq_x$)—Shows the probability of dying between the beginning of an age interval and before reaching the end of that age interval. For example, for black females, the probability of dying before completing the first day of life is 0.004638 (Table 9). In other words, for every 1,000 black females born, 4.64 will die within the first day of life.

Column 3. Number surviving (l_x)—Shows the number of persons from the original hypothetical cohort of 100,000 live

births who survive to 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. Consequently, out of 100,000 babies born alive, 99,748 will complete the first day of life, 99,217 will reach age 10, 98,899 will reach age 20, and 41,400 will live to age 85 (Table 1).

Column 4. Number dying (${}_nd_x$)—Shows the number dying in each successive age interval out of the original 100,000 live births. For example, out of 100,000 black females born alive, 464 will die in the first day of life, 47 between ages 20 and 21, and 31 after reaching age 109 (Table 9).

Column 5. Person-years lived (${}_nL_x$)—Shows the number of person-years lived by the hypothetical life table cohort within an age interval x to $x + n$. Each figure in column 5 represents the total time lived between two indicated ages by all those reaching the earlier age. For example, the figure 98,464 for black females in the age interval 20–21 is the total number of years lived between ages 20 and 21 by the 98,488 black females (column 3) who reached age 20 out of 100,000 black females born alive (Table 9).

Column 6. Total number of person-years lived (T_x)—Shows the total number of person-years that would be lived after the beginning of the age interval x to $x + n$ by the hypothetical life table cohort. For example, the figure 5,817,219 is the total number of years lived after reaching age 20 by the 98,488 black females reaching that age (Table 9).

Column 7. Expectation of life (e_x)—The expectation of life at any given age is the average number of years remaining to be lived by those surviving to that age, based on a given set of age-specific rates of dying. It is calculated by dividing the total person-years that would be lived beyond age x by the number of persons who survived to that age interval (T_x / l_x). Thus, the average remaining lifetime for black females who reach age 20 is 59.07 years (5,817,219 divided by 98,488) (Table 9).

Results

Life expectancy in the United States

Tables 1–18 show complete life tables for the United States by race, Hispanic origin, and sex for the period 2009–2011. Life expectancy at birth for 2009–2011 represents the average number of years that a group of infants would live if the infants were to experience throughout life the age-specific death rates prevailing during 2009–2011. During this period, life expectancy at birth was 78.60 years for the total population, 76.13 for males, and 80.98 for females; 78.88 for the total white population, 76.49 for white males, and 81.23 for white females; 74.99 for the total black population, 71.75 for black males, and 77.92 for black females; 81.59 for the total Hispanic population, 78.83 for Hispanic males, and 84.05 for Hispanic females; 78.71 for the total non-Hispanic white population, 76.30 for non-Hispanic white males, and 81.06 for non-Hispanic white females; and 74.65 for the total non-Hispanic black population, 71.41 for non-Hispanic black males, and 77.62 for non-Hispanic black females (Figure 1).

A sex gap favoring females in all decennial periods since 1900–1902 has been observed (Table 21). From 1900–1902 through 1969–1971, the female advantage increased from 2.82 years to 7.60 and has been declining since. The increasing gap during these years is attributed to increases in male mortality due to ischemic heart disease and lung cancer, both of which increased largely as the result of men’s early and widespread adoption of cigarette smoking (11,12). Since 1969–1971, the gap in favor of females has narrowed from 7.60 years to 4.85 in 2009–2011, reflecting proportionately greater increases in lung cancer mortality for women than for men and proportionately larger decreases in heart disease mortality among men (11,12).

The 2009–2011 life table may be used to compare life expectancy at any age from birth onward. Based on mortality experienced during 2009–2011, a person aged 65 could expect to live an average of 19.11 more years for a total of 84.11 years; a person aged 85 could expect to live an additional 6.52 years on average, for a total of 91.52 years; and a person aged 100 could expect to live an additional 2.26 years (Table 1).

Life expectancy by race

Life expectancy for the white population has been greater than that of the black population in every decade since 1900–1902. During 1900–1902, life expectancy at birth for the white population was 15.8 years greater than that of the black population (Table 21). As of 2009–2011, that advantage had

narrowed to 3.89 years. This is the smallest white advantage recorded to date and represents the largest decline in the advantage over a decade since the decline between 1939–1941 and 1949–1951. Among the four race–sex groups during 2009–2011, white females had the highest life expectancy at birth (81.23 years), followed by black females (77.92), white males (76.49), and black males (71.75). Between 2009–2011 and 1999–2001 (the previous decennial period), life expectancy at birth increased 3.67 years for black males, 2.80 years for black females, 1.75 years for white males, and 1.26 years for white females.

Between 1900–1902 and 2009–2011, black females and males experienced the greatest increases in life expectancy at birth (Figure 2). Over the 11 decades, life expectancy increased by 42.88 years for black females (from 35.04 to 77.92), 39.21 years for black males (from 32.54 to 71.75), 30.15 years for white females (from 51.08 to 81.23), and 28.26 years for white males (from 48.23 to 76.49).

Survivorship in the United States

Table 22 shows trends in survivorship from 1900–1902 through 2009–2011. During the latter period, 99.4% of all infants born in the United States survived the first year of life. In contrast, only 87.6% of infants born during 1900–1902 survived the first year. Approximately 57.1% of the 2009–2011 life table cohort survived to age 80, and about 1.9% survived to age 100.

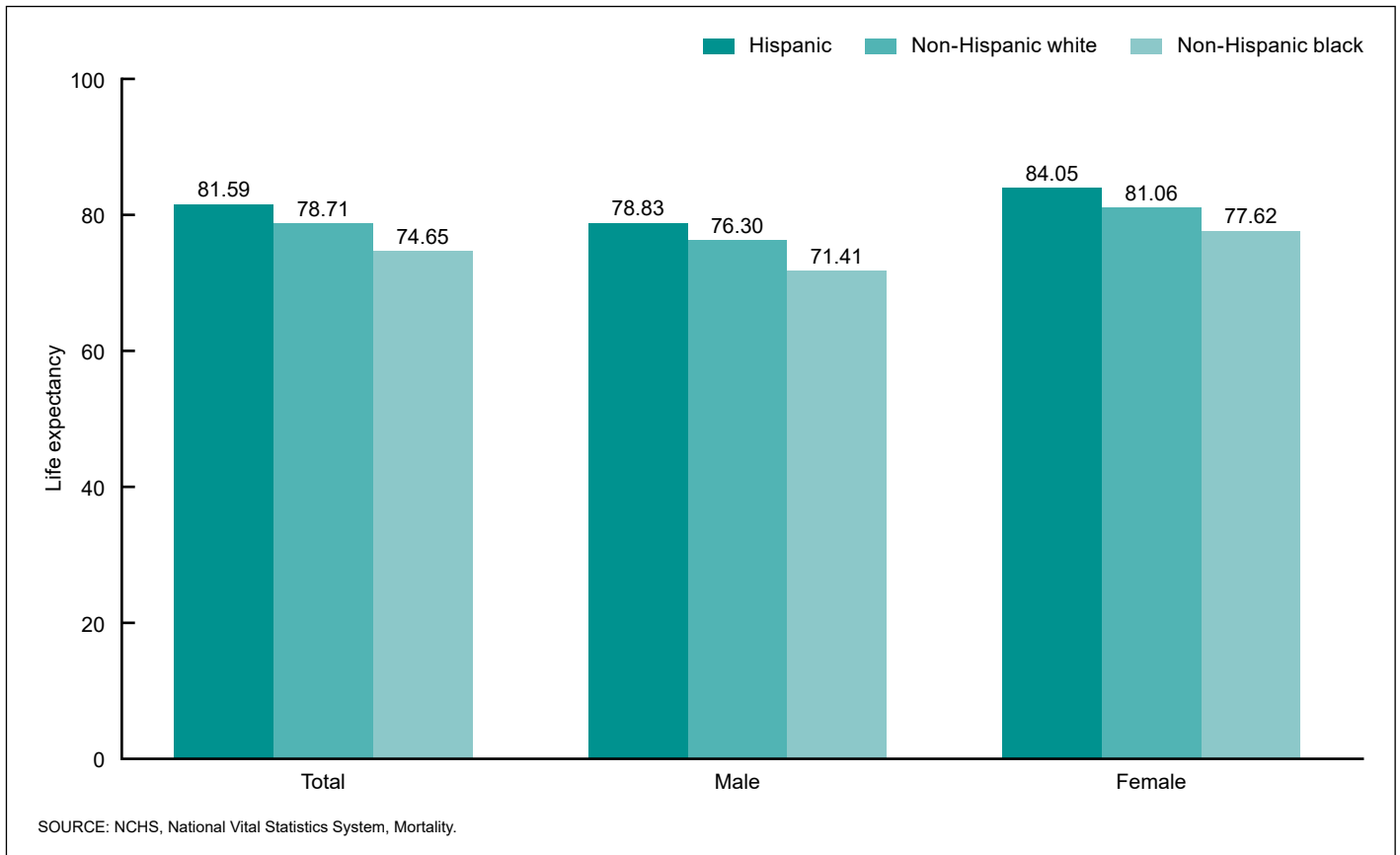


Figure 1. Life expectancy at birth, by Hispanic origin, race, and sex: United States, 2009–2011

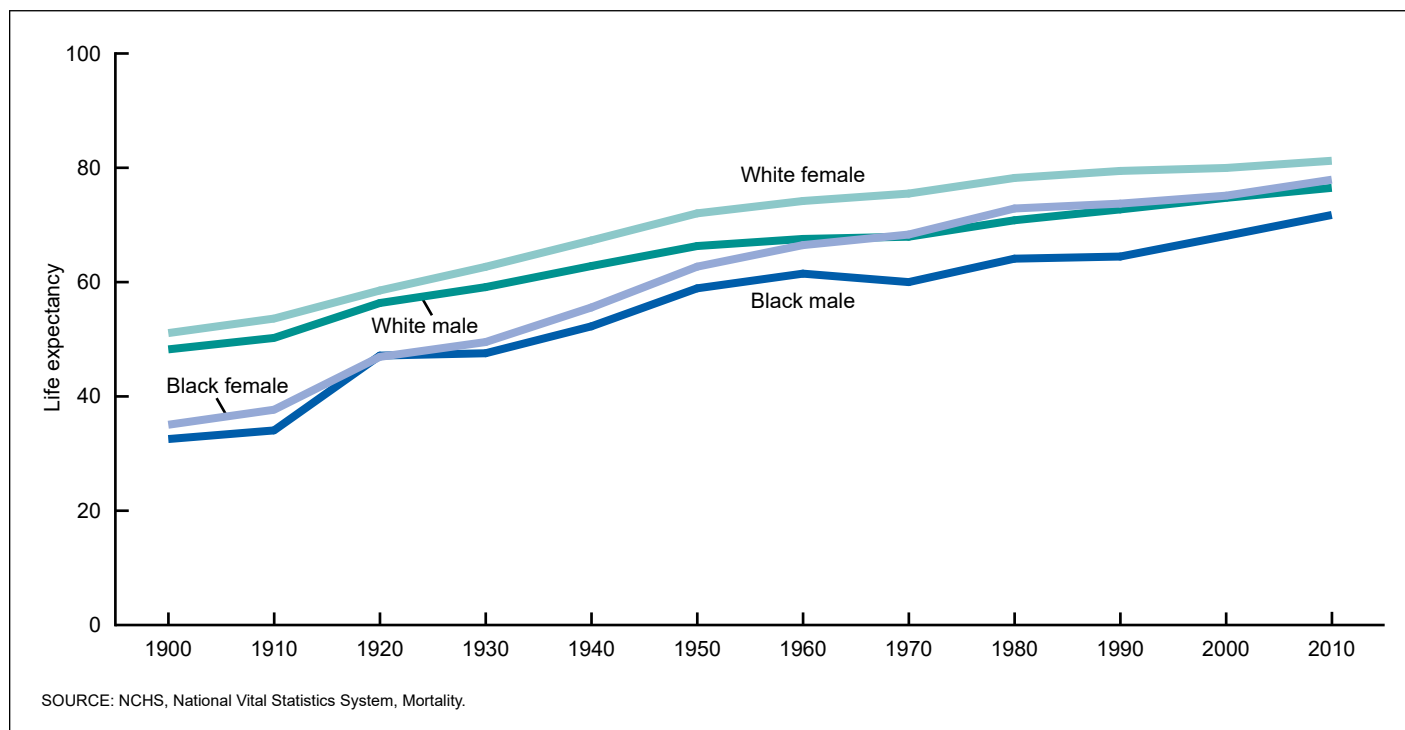


Figure 2. Life expectancy at birth, by race and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011

In contrast, during 1900–1902, only 13.5% survived to age 80, and only 0.03% survived to age 100.

Plotting the percentage surviving by age for the periods 1900–1902, 1949–1951, and 2009–2011 shows an increasingly rectangular survival curve (Figure 3). That is, the survival curve has become increasingly flat in response to progressively lower mortality, particularly at the younger ages, and increasingly vertical at the older ages. The survival curve for 1900–1902 shows a rapid decline in survival in the first few years of life and a relatively steady decline afterwards. In contrast, the survival curve for 2009–2011 is nearly flat until about age 50, after which the decline in survival becomes more rapid. Improvements in survival between 1900–1902 and 1949–1951 occurred at all ages, although the largest improvements were among the younger population. Between 1949–1951 and 2009–2011, improvements occurred primarily for the older population.

Survivorship by race

During 1900–1902, race differences in survival were considerable (Figure 4). Black male and female survival at all ages was substantially lower than white male and female survival. The median age at death for the white population was approximately 60 years compared with slightly over 30 years for the black population. In other words, while one-half of the white population could expect to reach age 60, one-half of the black population died by about age 30. The differences in survival are particularly noticeable at age 10. For the white population, survival was about 80%. In contrast, around 60% of the black population reached age 10. A closer look at survival between ages 0 and 10 years for 1900–1902 shows that nearly 25% of

the black population died in their first year of life compared with about 12% of the white population (13).

By 2009–2011, black survival was still lower overall than white survival (Figure 5). However, the clear separation between the sex-specific survival curves for the white and black populations shown in Figure 4 was no longer apparent. Figure 5 shows that while black male survival still lags behind the other race-sex groups, black female survival exceeds white male survival beginning at age 55. A major reason for improved black survival over the past 110 years is substantially decreased mortality at younger ages. By 2009–2011, black survival at age 10 improved from approximately 60% during 1900–1902 to 98.6%, which was 0.7% lower than survival for the white population at age 10. During this period, survival increased for the white population as well, but the rate of change was greater for the black population.

Survivorship by Hispanic origin

During 2009–2011, 99.5% of Hispanic and non-Hispanic white infants survived the first year of life compared with 98.8% of non-Hispanic black infants (Table 22). Also, 99.1% and 99.0% of the Hispanic and non-Hispanic white populations, respectively, survived to age 20 compared with 98.1% of the non-Hispanic black population. By age 65, the Hispanic population had a distinct survival advantage compared with the other two populations. Overall, 87.7% of the Hispanic population survived to age 65 compared with 84.5% of the non-Hispanic white and 76.5% of the non-Hispanic black populations. The Hispanic survival advantage increases with age so that by age 85, 50.7% of the Hispanic population has survived compared with 41.5%

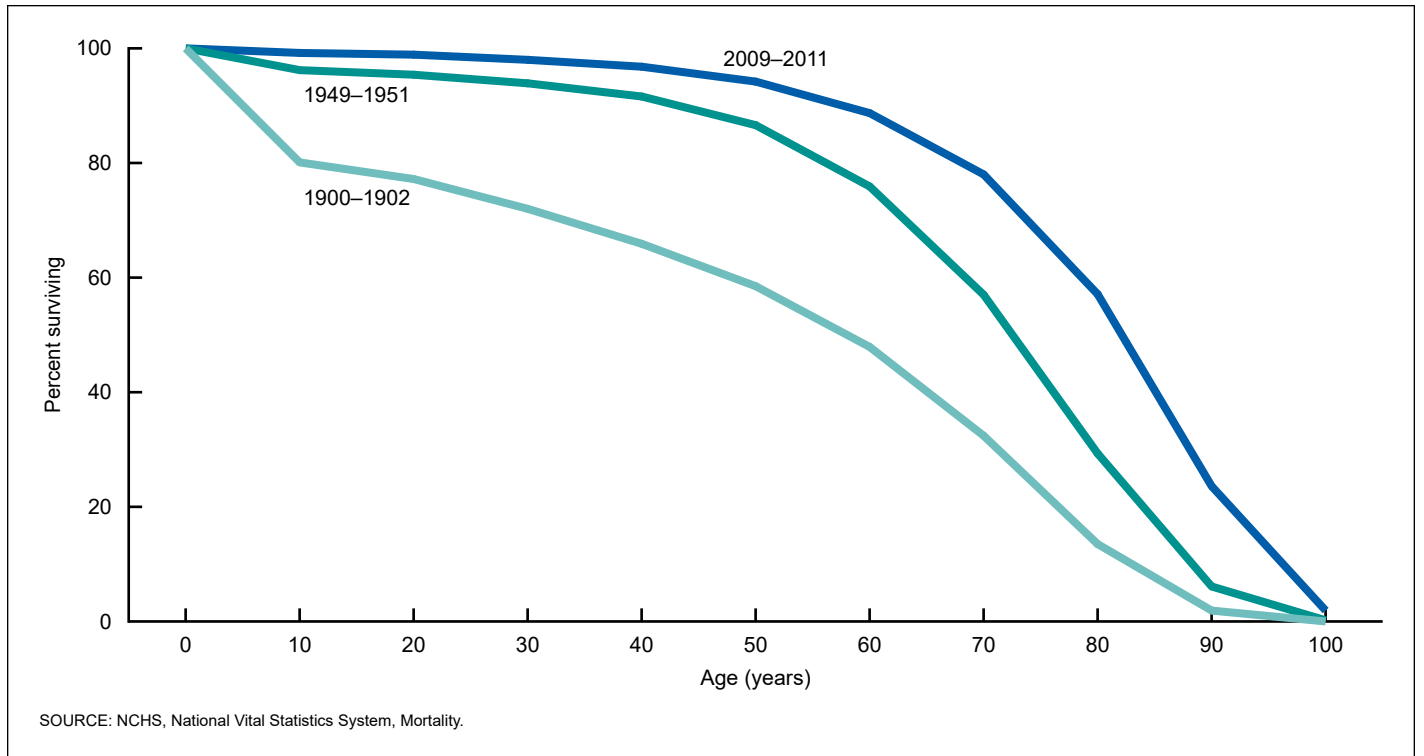


Figure 3. Percent surviving, by age: Death-registration states, 1900-1902, and United States, 1949-1951 and 2009-2011

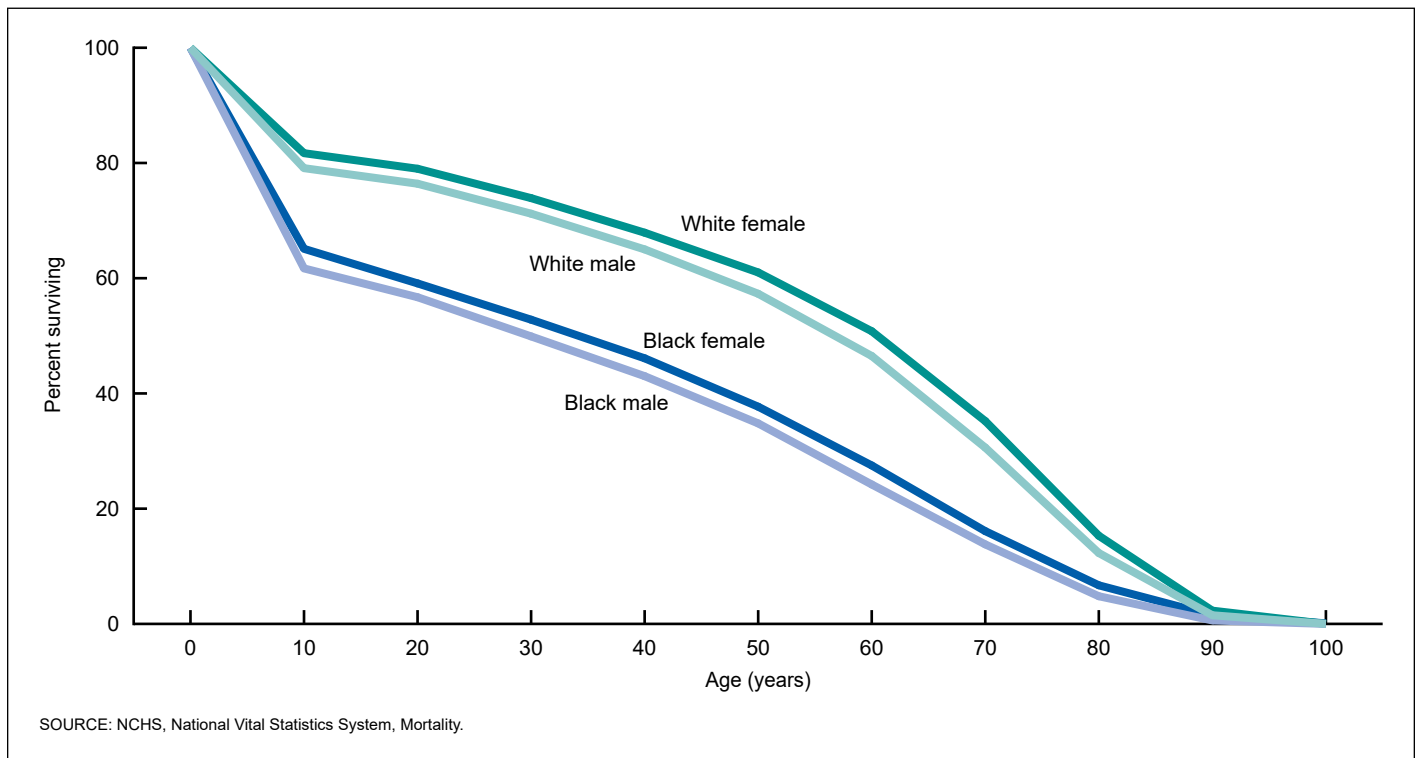


Figure 4. Percent surviving, by race, sex, and age: Death-registration states, 1900-1902

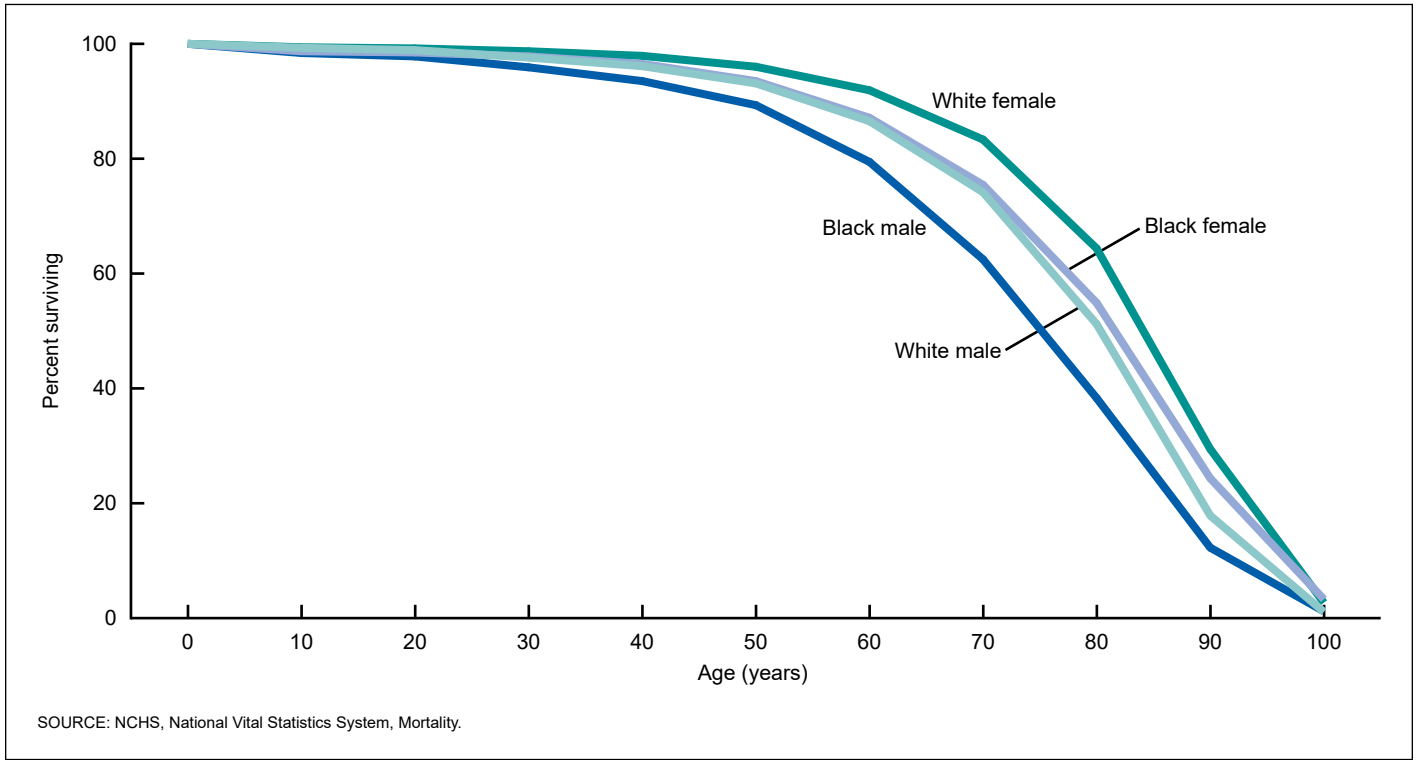


Figure 5. Percent surviving, by race, sex, and age: United States, 2009–2011

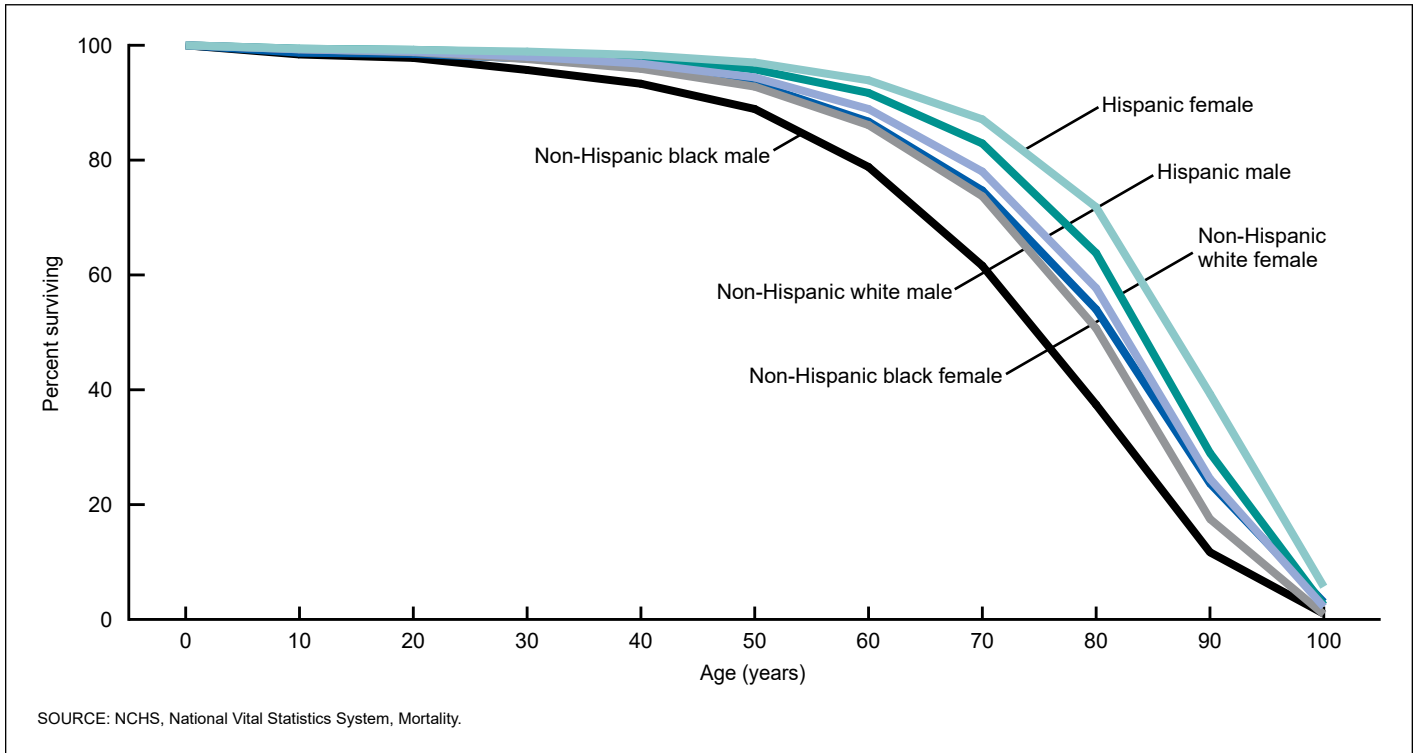


Figure 6. Percent surviving, by Hispanic origin, race, sex, and age: United States, 2009–2011

of the non-Hispanic white and 32.1% of the non-Hispanic black populations.

Among the six Hispanic-origin race-sex groups, Hispanic females had the highest median age at death, with 51.1% surviving to age 87 (Figure 6). The group with the next highest median age at death was non-Hispanic white females, with 51.7% surviving to age 84. Hispanic males had 48.8% surviving to age 83; followed by non-Hispanic black females, with 51.3% surviving to age 81; non-Hispanic white males, with 50.7% surviving to age 80; and non-Hispanic black males, with 50.3% surviving to age 75.

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Table 1. Life table for the total population: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table01.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1 | 0.002520 | 100,000 | 252 | 274 | 7,859,734 | 78.60 |
| 1–7 | 0.000758 | 99,748 | 76 | 1,639 | 7,859,460 | 78.79 |
| 7–28 | 0.000821 | 99,672 | 82 | 5,732 | 7,857,821 | 78.84 |
| 28–365 | 0.002092 | 99,591 | 208 | 91,855 | 7,852,088 | 78.84 |
| Years | | | | | | |
| 0–1 | 0.006177 | 100,000 | 618 | 99,500 | 7,859,734 | 78.60 |
| 1–2 | 0.000414 | 99,382 | 41 | 99,362 | 7,760,234 | 78.08 |
| 2–3 | 0.000275 | 99,341 | 27 | 99,327 | 7,660,872 | 77.12 |
| 3–4 | 0.000212 | 99,314 | 21 | 99,303 | 7,561,545 | 76.14 |
| 4–5 | 0.000164 | 99,293 | 16 | 99,285 | 7,462,241 | 75.15 |
| 5–6 | 0.000150 | 99,276 | 15 | 99,269 | 7,362,957 | 74.17 |
| 6–7 | 0.000133 | 99,262 | 13 | 99,255 | 7,263,688 | 73.18 |
| 7–8 | 0.000119 | 99,248 | 12 | 99,242 | 7,164,433 | 72.19 |
| 8–9 | 0.000105 | 99,237 | 10 | 99,231 | 7,065,191 | 71.20 |
| 9–10 | 0.000091 | 99,226 | 9 | 99,222 | 6,965,959 | 70.20 |
| 10–11 | 0.000083 | 99,217 | 8 | 99,213 | 6,866,738 | 69.21 |
| 11–12 | 0.000089 | 99,209 | 9 | 99,204 | 6,767,525 | 68.21 |
| 12–13 | 0.000119 | 99,200 | 12 | 99,194 | 6,668,320 | 67.22 |
| 13–14 | 0.000177 | 99,188 | 18 | 99,179 | 6,569,126 | 66.23 |
| 14–15 | 0.000255 | 99,171 | 25 | 99,158 | 6,469,947 | 65.24 |
| 15–16 | 0.000337 | 99,145 | 33 | 99,129 | 6,370,789 | 64.26 |
| 16–17 | 0.000416 | 99,112 | 41 | 99,091 | 6,271,660 | 63.28 |
| 17–18 | 0.000497 | 99,071 | 49 | 99,046 | 6,172,569 | 62.30 |
| 18–19 | 0.000579 | 99,022 | 57 | 98,993 | 6,073,523 | 61.34 |
| 19–20 | 0.000662 | 98,964 | 66 | 98,931 | 5,974,530 | 60.37 |
| 20–21 | 0.000752 | 98,899 | 74 | 98,861 | 5,875,599 | 59.41 |
| 21–22 | 0.000839 | 98,824 | 83 | 98,783 | 5,776,737 | 58.45 |
| 22–23 | 0.000903 | 98,741 | 89 | 98,697 | 5,677,954 | 57.50 |
| 23–24 | 0.000936 | 98,652 | 92 | 98,606 | 5,579,258 | 56.55 |
| 24–25 | 0.000944 | 98,560 | 93 | 98,513 | 5,480,652 | 55.61 |
| 25–26 | 0.000945 | 98,467 | 93 | 98,420 | 5,382,138 | 54.66 |
| 26–27 | 0.000952 | 98,374 | 94 | 98,327 | 5,283,718 | 53.71 |
| 27–28 | 0.000962 | 98,280 | 95 | 98,233 | 5,185,391 | 52.76 |
| 28–29 | 0.000982 | 98,186 | 96 | 98,137 | 5,087,158 | 51.81 |
| 29–30 | 0.001011 | 98,089 | 99 | 98,039 | 4,989,021 | 50.86 |
| 30–31 | 0.001045 | 97,990 | 102 | 97,939 | 4,890,982 | 49.91 |
| 31–32 | 0.001082 | 97,887 | 106 | 97,835 | 4,793,043 | 48.96 |
| 32–33 | 0.001119 | 97,782 | 109 | 97,727 | 4,695,208 | 48.02 |
| 33–34 | 0.001156 | 97,672 | 113 | 97,616 | 4,597,482 | 47.07 |
| 34–35 | 0.001196 | 97,559 | 117 | 97,501 | 4,499,866 | 46.12 |
| 35–36 | 0.001246 | 97,443 | 121 | 97,382 | 4,402,365 | 45.18 |
| 36–37 | 0.001310 | 97,321 | 127 | 97,257 | 4,304,983 | 44.23 |
| 37–38 | 0.001387 | 97,194 | 135 | 97,126 | 4,207,726 | 43.29 |
| 38–39 | 0.001479 | 97,059 | 144 | 96,987 | 4,110,599 | 42.35 |
| 39–40 | 0.001589 | 96,915 | 154 | 96,838 | 4,013,612 | 41.41 |
| 40–41 | 0.001712 | 96,761 | 166 | 96,678 | 3,916,774 | 40.48 |
| 41–42 | 0.001855 | 96,596 | 179 | 96,506 | 3,820,096 | 39.55 |
| 42–43 | 0.002030 | 96,416 | 196 | 96,318 | 3,723,590 | 38.62 |
| 43–44 | 0.002237 | 96,221 | 215 | 96,113 | 3,627,271 | 37.70 |
| 44–45 | 0.002467 | 96,005 | 237 | 95,887 | 3,531,158 | 36.78 |
| 45–46 | 0.002700 | 95,769 | 259 | 95,639 | 3,435,271 | 35.87 |
| 46–47 | 0.002941 | 95,510 | 281 | 95,370 | 3,339,632 | 34.97 |
| 47–48 | 0.003209 | 95,229 | 306 | 95,076 | 3,244,263 | 34.07 |
| 48–49 | 0.003514 | 94,923 | 334 | 94,757 | 3,149,186 | 33.18 |
| 49–50 | 0.003852 | 94,590 | 364 | 94,408 | 3,054,430 | 32.29 |
| 50–51 | 0.004215 | 94,226 | 397 | 94,027 | 2,960,022 | 31.41 |
| 51–52 | 0.004586 | 93,828 | 430 | 93,613 | 2,865,995 | 30.55 |
| 52–53 | 0.004963 | 93,398 | 463 | 93,166 | 2,772,382 | 29.68 |

Table 1. Life table for the total population: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table01.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.005342 | 92,935 | 496 | 92,686 | 2,679,216 | 28.83 |
| 54–55 | 0.005735 | 92,438 | 530 | 92,173 | 2,586,529 | 27.98 |
| 55–56 | 0.006158 | 91,908 | 566 | 91,625 | 2,494,356 | 27.14 |
| 56–57 | 0.006621 | 91,342 | 605 | 91,040 | 2,402,731 | 26.30 |
| 57–58 | 0.007122 | 90,737 | 646 | 90,414 | 2,311,692 | 25.48 |
| 58–59 | 0.007658 | 90,091 | 690 | 89,746 | 2,221,278 | 24.66 |
| 59–60 | 0.008223 | 89,401 | 735 | 89,034 | 2,131,532 | 23.84 |
| 60–61 | 0.008823 | 88,666 | 782 | 88,275 | 2,042,498 | 23.04 |
| 61–62 | 0.009465 | 87,884 | 832 | 87,468 | 1,954,223 | 22.24 |
| 62–63 | 0.010155 | 87,052 | 884 | 86,610 | 1,866,755 | 21.44 |
| 63–64 | 0.010922 | 86,168 | 941 | 85,697 | 1,780,146 | 20.66 |
| 64–65 | 0.011794 | 85,227 | 1,005 | 84,724 | 1,694,448 | 19.88 |
| 65–66 | 0.012814 | 84,222 | 1,079 | 83,682 | 1,609,724 | 19.11 |
| 66–67 | 0.014001 | 83,142 | 1,164 | 82,560 | 1,526,042 | 18.35 |
| 67–68 | 0.015241 | 81,978 | 1,249 | 81,354 | 1,443,482 | 17.61 |
| 68–69 | 0.016610 | 80,729 | 1,341 | 80,058 | 1,362,128 | 16.87 |
| 69–70 | 0.018018 | 79,388 | 1,430 | 78,673 | 1,282,070 | 16.15 |
| 70–71 | 0.019596 | 77,958 | 1,528 | 77,194 | 1,203,397 | 15.44 |
| 71–72 | 0.021356 | 76,430 | 1,632 | 75,614 | 1,126,203 | 14.74 |
| 72–73 | 0.023374 | 74,798 | 1,748 | 73,923 | 1,050,590 | 14.05 |
| 73–74 | 0.025623 | 73,049 | 1,872 | 72,113 | 976,666 | 13.37 |
| 74–75 | 0.028137 | 71,178 | 2,003 | 70,176 | 904,553 | 12.71 |
| 75–76 | 0.030795 | 69,175 | 2,130 | 68,110 | 834,377 | 12.06 |
| 76–77 | 0.033868 | 67,045 | 2,271 | 65,909 | 766,267 | 11.43 |
| 77–78 | 0.037174 | 64,774 | 2,408 | 63,570 | 700,358 | 10.81 |
| 78–79 | 0.041217 | 62,366 | 2,571 | 61,081 | 636,788 | 10.21 |
| 79–80 | 0.045399 | 59,796 | 2,715 | 58,438 | 575,707 | 9.63 |
| 80–81 | 0.050229 | 57,081 | 2,867 | 55,647 | 517,269 | 9.06 |
| 81–82 | 0.055492 | 54,214 | 3,008 | 52,709 | 461,621 | 8.51 |
| 82–83 | 0.061427 | 51,205 | 3,145 | 49,633 | 408,912 | 7.99 |
| 83–84 | 0.067653 | 48,060 | 3,251 | 46,434 | 359,279 | 7.48 |
| 84–85 | 0.076073 | 44,809 | 3,409 | 43,104 | 312,845 | 6.98 |
| 85–86 | 0.084651 | 41,400 | 3,505 | 39,648 | 269,741 | 6.52 |
| 86–87 | 0.094504 | 37,895 | 3,581 | 36,105 | 230,093 | 6.07 |
| 87–88 | 0.105297 | 34,314 | 3,613 | 32,507 | 193,989 | 5.65 |
| 88–89 | 0.117070 | 30,701 | 3,594 | 28,904 | 161,481 | 5.26 |
| 89–90 | 0.129855 | 27,107 | 3,520 | 25,347 | 132,578 | 4.89 |
| 90–91 | 0.143671 | 23,587 | 3,389 | 21,892 | 107,231 | 4.55 |
| 91–92 | 0.158523 | 20,198 | 3,202 | 18,597 | 85,339 | 4.23 |
| 92–93 | 0.174398 | 16,996 | 2,964 | 15,514 | 66,741 | 3.93 |
| 93–94 | 0.191265 | 14,032 | 2,684 | 12,690 | 51,227 | 3.65 |
| 94–95 | 0.209070 | 11,348 | 2,373 | 10,162 | 38,537 | 3.40 |
| 95–96 | 0.227738 | 8,976 | 2,044 | 7,954 | 28,375 | 3.16 |
| 96–97 | 0.247174 | 6,932 | 1,713 | 6,075 | 20,422 | 2.95 |
| 97–98 | 0.267257 | 5,218 | 1,395 | 4,521 | 14,347 | 2.75 |
| 98–99 | 0.287853 | 3,824 | 1,101 | 3,273 | 9,826 | 2.57 |
| 99–100 | 0.308809 | 2,723 | 841 | 2,303 | 6,552 | 2.41 |
| 100–101 | 0.329962 | 1,882 | 621 | 1,572 | 4,250 | 2.26 |
| 101–102 | 0.351142 | 1,261 | 443 | 1,040 | 2,678 | 2.12 |
| 102–103 | 0.372179 | 818 | 305 | 666 | 1,639 | 2.00 |
| 103–104 | 0.392906 | 514 | 202 | 413 | 973 | 1.89 |
| 104–105 | 0.413169 | 312 | 129 | 247 | 560 | 1.80 |
| 105–106 | 0.432824 | 183 | 79 | 143 | 312 | 1.71 |
| 106–107 | 0.451748 | 104 | 47 | 80 | 169 | 1.63 |
| 107–108 | 0.469837 | 57 | 27 | 44 | 89 | 1.56 |
| 108–109 | 0.487009 | 30 | 15 | 23 | 45 | 1.49 |
| 109–110 | 0.503204 | 15 | 8 | 12 | 22 | 1.44 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 2. Life table for males: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table02.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.002721 | 100,000 | 272 | 274 | 7,613,148 | 76.13 |
| 1–7..... | 0.000831 | 99,728 | 83 | 1,639 | 7,612,874 | 76.34 |
| 7–28..... | 0.000876 | 99,645 | 87 | 5,730 | 7,611,235 | 76.38 |
| 28–365..... | 0.002323 | 99,558 | 231 | 91,814 | 7,605,505 | 76.39 |
| Years | | | | | | |
| 0–1..... | 0.006736 | 100,000 | 674 | 99,457 | 7,613,148 | 76.13 |
| 1–2..... | 0.000442 | 99,326 | 44 | 99,304 | 7,513,691 | 75.65 |
| 2–3..... | 0.000314 | 99,282 | 31 | 99,267 | 7,414,387 | 74.68 |
| 3–4..... | 0.000243 | 99,251 | 24 | 99,239 | 7,315,120 | 73.70 |
| 4–5..... | 0.000181 | 99,227 | 18 | 99,218 | 7,215,881 | 72.72 |
| 5–6..... | 0.000168 | 99,209 | 17 | 99,201 | 7,116,662 | 71.73 |
| 6–7..... | 0.000150 | 99,193 | 15 | 99,185 | 7,017,462 | 70.75 |
| 7–8..... | 0.000133 | 99,178 | 13 | 99,171 | 6,918,276 | 69.76 |
| 8–9..... | 0.000114 | 99,164 | 11 | 99,159 | 6,819,105 | 68.77 |
| 9–10..... | 0.000093 | 99,153 | 9 | 99,149 | 6,719,947 | 67.77 |
| 10–11..... | 0.000079 | 99,144 | 8 | 99,140 | 6,620,798 | 66.78 |
| 11–12..... | 0.000086 | 99,136 | 8 | 99,132 | 6,521,658 | 65.78 |
| 12–13..... | 0.000128 | 99,128 | 13 | 99,121 | 6,422,526 | 64.79 |
| 13–14..... | 0.000215 | 99,115 | 21 | 99,104 | 6,323,405 | 63.80 |
| 14–15..... | 0.000332 | 99,094 | 33 | 99,077 | 6,224,301 | 62.81 |
| 15–16..... | 0.000453 | 99,061 | 45 | 99,038 | 6,125,224 | 61.83 |
| 16–17..... | 0.000568 | 99,016 | 56 | 98,988 | 6,026,186 | 60.86 |
| 17–18..... | 0.000690 | 98,960 | 68 | 98,925 | 5,927,198 | 59.90 |
| 18–19..... | 0.000819 | 98,891 | 81 | 98,851 | 5,828,273 | 58.94 |
| 19–20..... | 0.000952 | 98,810 | 94 | 98,763 | 5,729,422 | 57.98 |
| 20–21..... | 0.001097 | 98,716 | 108 | 98,662 | 5,630,659 | 57.04 |
| 21–22..... | 0.001233 | 98,608 | 122 | 98,547 | 5,531,996 | 56.10 |
| 22–23..... | 0.001332 | 98,486 | 131 | 98,421 | 5,433,449 | 55.17 |
| 23–24..... | 0.001375 | 98,355 | 135 | 98,288 | 5,335,029 | 54.24 |
| 24–25..... | 0.001376 | 98,220 | 135 | 98,152 | 5,236,741 | 53.32 |
| 25–26..... | 0.001363 | 98,085 | 134 | 98,018 | 5,138,589 | 52.39 |
| 26–27..... | 0.001357 | 97,951 | 133 | 97,885 | 5,040,571 | 51.46 |
| 27–28..... | 0.001357 | 97,818 | 133 | 97,752 | 4,942,686 | 50.53 |
| 28–29..... | 0.001371 | 97,685 | 134 | 97,619 | 4,844,934 | 49.60 |
| 29–30..... | 0.001396 | 97,552 | 136 | 97,483 | 4,747,316 | 48.66 |
| 30–31..... | 0.001428 | 97,415 | 139 | 97,346 | 4,649,832 | 47.73 |
| 31–32..... | 0.001459 | 97,276 | 142 | 97,205 | 4,552,486 | 46.80 |
| 32–33..... | 0.001492 | 97,134 | 145 | 97,062 | 4,455,281 | 45.87 |
| 33–34..... | 0.001524 | 96,990 | 148 | 96,916 | 4,358,219 | 44.93 |
| 34–35..... | 0.001562 | 96,842 | 151 | 96,766 | 4,261,303 | 44.00 |
| 35–36..... | 0.001612 | 96,690 | 156 | 96,612 | 4,164,537 | 43.07 |
| 36–37..... | 0.001680 | 96,535 | 162 | 96,453 | 4,067,925 | 42.14 |
| 37–38..... | 0.001764 | 96,372 | 170 | 96,287 | 3,971,471 | 41.21 |
| 38–39..... | 0.001865 | 96,202 | 179 | 96,113 | 3,875,184 | 40.28 |
| 39–40..... | 0.001988 | 96,023 | 191 | 95,928 | 3,779,071 | 39.36 |
| 40–41..... | 0.002128 | 95,832 | 204 | 95,730 | 3,683,144 | 38.43 |
| 41–42..... | 0.002293 | 95,628 | 219 | 95,518 | 3,587,414 | 37.51 |
| 42–43..... | 0.002499 | 95,409 | 238 | 95,290 | 3,491,895 | 36.60 |
| 43–44..... | 0.002747 | 95,170 | 261 | 95,040 | 3,396,606 | 35.69 |
| 44–45..... | 0.003027 | 94,909 | 287 | 94,765 | 3,301,566 | 34.79 |
| 45–46..... | 0.003315 | 94,622 | 314 | 94,465 | 3,206,800 | 33.89 |
| 46–47..... | 0.003615 | 94,308 | 341 | 94,138 | 3,112,336 | 33.00 |
| 47–48..... | 0.003951 | 93,967 | 371 | 93,781 | 3,018,198 | 32.12 |
| 48–49..... | 0.004336 | 93,596 | 406 | 93,393 | 2,924,417 | 31.25 |
| 49–50..... | 0.004766 | 93,190 | 444 | 92,968 | 2,831,024 | 30.38 |
| 50–51..... | 0.005224 | 92,746 | 485 | 92,504 | 2,738,056 | 29.52 |
| 51–52..... | 0.005694 | 92,261 | 525 | 91,999 | 2,645,552 | 28.67 |
| 52–53..... | 0.006185 | 91,736 | 567 | 91,452 | 2,553,554 | 27.84 |

Table 2. Life table for males: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table02.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.006699 | 91,169 | 611 | 90,863 | 2,462,101 | 27.01 |
| 54–55 | 0.007245 | 90,558 | 656 | 90,230 | 2,371,238 | 26.18 |
| 55–56 | 0.007838 | 89,902 | 705 | 89,549 | 2,281,008 | 25.37 |
| 56–57 | 0.008477 | 89,197 | 756 | 88,819 | 2,191,459 | 24.57 |
| 57–58 | 0.009136 | 88,441 | 808 | 88,037 | 2,102,640 | 23.77 |
| 58–59 | 0.009792 | 87,633 | 858 | 87,204 | 2,014,603 | 22.99 |
| 59–60 | 0.010447 | 86,775 | 907 | 86,322 | 1,927,399 | 22.21 |
| 60–61 | 0.011127 | 85,868 | 955 | 85,391 | 1,841,077 | 21.44 |
| 61–62 | 0.011858 | 84,913 | 1,007 | 84,409 | 1,755,687 | 20.68 |
| 62–63 | 0.012649 | 83,906 | 1,061 | 83,375 | 1,671,277 | 19.92 |
| 63–64 | 0.013545 | 82,845 | 1,122 | 82,284 | 1,587,902 | 19.17 |
| 64–65 | 0.014578 | 81,723 | 1,191 | 81,127 | 1,505,618 | 18.42 |
| 65–66 | 0.015783 | 80,531 | 1,271 | 79,896 | 1,424,491 | 17.69 |
| 66–67 | 0.017174 | 79,260 | 1,361 | 78,580 | 1,344,595 | 16.96 |
| 67–68 | 0.018664 | 77,899 | 1,454 | 77,172 | 1,266,016 | 16.25 |
| 68–69 | 0.020251 | 76,445 | 1,548 | 75,671 | 1,188,844 | 15.55 |
| 69–70 | 0.021915 | 74,897 | 1,641 | 74,076 | 1,113,173 | 14.86 |
| 70–71 | 0.023769 | 73,256 | 1,741 | 72,385 | 1,039,096 | 14.18 |
| 71–72 | 0.025821 | 71,514 | 1,847 | 70,591 | 966,711 | 13.52 |
| 72–73 | 0.028227 | 69,668 | 1,967 | 68,685 | 896,120 | 12.86 |
| 73–74 | 0.030875 | 67,701 | 2,090 | 66,656 | 827,435 | 12.22 |
| 74–75 | 0.033841 | 65,611 | 2,220 | 64,501 | 760,779 | 11.60 |
| 75–76 | 0.037006 | 63,391 | 2,346 | 62,218 | 696,278 | 10.98 |
| 76–77 | 0.040519 | 61,045 | 2,473 | 59,808 | 634,061 | 10.39 |
| 77–78 | 0.044535 | 58,571 | 2,608 | 57,267 | 574,253 | 9.80 |
| 78–79 | 0.049282 | 55,963 | 2,758 | 54,584 | 516,985 | 9.24 |
| 79–80 | 0.054248 | 53,205 | 2,886 | 51,762 | 462,402 | 8.69 |
| 80–81 | 0.060247 | 50,319 | 3,032 | 48,803 | 410,640 | 8.16 |
| 81–82 | 0.066518 | 47,287 | 3,145 | 45,714 | 361,837 | 7.65 |
| 82–83 | 0.073596 | 44,142 | 3,249 | 42,517 | 316,123 | 7.16 |
| 83–84 | 0.081103 | 40,893 | 3,317 | 39,235 | 273,605 | 6.69 |
| 84–85 | 0.090083 | 37,576 | 3,385 | 35,884 | 234,371 | 6.24 |
| 85–86 | 0.101373 | 34,191 | 3,466 | 32,458 | 198,487 | 5.81 |
| 86–87 | 0.112746 | 30,725 | 3,464 | 28,993 | 166,028 | 5.40 |
| 87–88 | 0.125112 | 27,261 | 3,411 | 25,556 | 137,035 | 5.03 |
| 88–89 | 0.138495 | 23,850 | 3,303 | 22,199 | 111,479 | 4.67 |
| 89–90 | 0.152905 | 20,547 | 3,142 | 18,976 | 89,280 | 4.35 |
| 90–91 | 0.168337 | 17,406 | 2,930 | 15,941 | 70,304 | 4.04 |
| 91–92 | 0.184767 | 14,476 | 2,675 | 13,138 | 54,363 | 3.76 |
| 92–93 | 0.202149 | 11,801 | 2,386 | 10,608 | 41,225 | 3.49 |
| 93–94 | 0.220419 | 9,415 | 2,075 | 8,378 | 30,617 | 3.25 |
| 94–95 | 0.239489 | 7,340 | 1,758 | 6,461 | 22,239 | 3.03 |
| 95–96 | 0.259250 | 5,582 | 1,447 | 4,859 | 15,778 | 2.83 |
| 96–97 | 0.279574 | 4,135 | 1,156 | 3,557 | 10,919 | 2.64 |
| 97–98 | 0.300317 | 2,979 | 895 | 2,532 | 7,362 | 2.47 |
| 98–99 | 0.321322 | 2,084 | 670 | 1,749 | 4,831 | 2.32 |
| 99–100 | 0.342423 | 1,415 | 484 | 1,172 | 3,081 | 2.18 |
| 100–101 | 0.363451 | 930 | 338 | 761 | 1,909 | 2.05 |
| 101–102 | 0.384240 | 592 | 228 | 478 | 1,148 | 1.94 |
| 102–103 | 0.404631 | 365 | 148 | 291 | 669 | 1.84 |
| 103–104 | 0.424479 | 217 | 92 | 171 | 379 | 1.74 |
| 104–105 | 0.443651 | 125 | 55 | 97 | 208 | 1.66 |
| 105–106 | 0.462037 | 70 | 32 | 53 | 110 | 1.59 |
| 106–107 | 0.479547 | 37 | 18 | 28 | 57 | 1.52 |
| 107–108 | 0.496112 | 19 | 10 | 15 | 28 | 1.46 |
| 108–109 | 0.511684 | 10 | 5 | 7 | 14 | 1.41 |
| 109–110 | 0.526237 | 5 | 3 | 4 | 7 | 1.36 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 3. Life table for females: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table03.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.002309 | 100,000 | 231 | 274 | 8,097,700 | 80.98 |
| 1–7..... | 0.000681 | 99,769 | 68 | 1,639 | 8,097,426 | 81.16 |
| 7–28..... | 0.000762 | 99,701 | 76 | 5,734 | 8,095,786 | 81.20 |
| 28–365..... | 0.001850 | 99,625 | 184 | 91,898 | 8,090,052 | 81.20 |
| Years | | | | | | |
| 0–1..... | 0.005591 | 100,000 | 559 | 99,545 | 8,097,700 | 80.98 |
| 1–2..... | 0.000384 | 99,441 | 38 | 99,422 | 7,998,155 | 80.43 |
| 2–3..... | 0.000235 | 99,403 | 23 | 99,391 | 7,898,733 | 79.46 |
| 3–4..... | 0.000180 | 99,379 | 18 | 99,370 | 7,799,342 | 78.48 |
| 4–5..... | 0.000146 | 99,361 | 15 | 99,354 | 7,699,972 | 77.49 |
| 5–6..... | 0.000131 | 99,347 | 13 | 99,340 | 7,600,617 | 76.51 |
| 6–7..... | 0.000116 | 99,334 | 11 | 99,328 | 7,501,277 | 75.52 |
| 7–8..... | 0.000104 | 99,322 | 10 | 99,317 | 7,401,949 | 74.52 |
| 8–9..... | 0.000096 | 99,312 | 9 | 99,307 | 7,302,632 | 73.53 |
| 9–10..... | 0.000089 | 99,303 | 9 | 99,298 | 7,203,325 | 72.54 |
| 10–11..... | 0.000087 | 99,294 | 9 | 99,289 | 7,104,026 | 71.55 |
| 11–12..... | 0.000092 | 99,285 | 9 | 99,280 | 7,004,737 | 70.55 |
| 12–13..... | 0.000109 | 99,276 | 11 | 99,270 | 6,905,457 | 69.56 |
| 13–14..... | 0.000137 | 99,265 | 14 | 99,258 | 6,806,186 | 68.57 |
| 14–15..... | 0.000175 | 99,251 | 17 | 99,243 | 6,706,928 | 67.58 |
| 15–16..... | 0.000216 | 99,234 | 21 | 99,223 | 6,607,685 | 66.59 |
| 16–17..... | 0.000255 | 99,213 | 25 | 99,200 | 6,508,462 | 65.60 |
| 17–18..... | 0.000293 | 99,187 | 29 | 99,173 | 6,409,262 | 64.62 |
| 18–19..... | 0.000326 | 99,158 | 32 | 99,142 | 6,310,089 | 63.64 |
| 19–20..... | 0.000358 | 99,126 | 35 | 99,108 | 6,210,947 | 62.66 |
| 20–21..... | 0.000391 | 99,090 | 39 | 99,071 | 6,111,839 | 61.68 |
| 21–22..... | 0.000425 | 99,052 | 42 | 99,031 | 6,012,768 | 60.70 |
| 22–23..... | 0.000456 | 99,010 | 45 | 98,987 | 5,913,737 | 59.73 |
| 23–24..... | 0.000479 | 98,964 | 47 | 98,941 | 5,814,750 | 58.76 |
| 24–25..... | 0.000498 | 98,917 | 49 | 98,892 | 5,715,809 | 57.78 |
| 25–26..... | 0.000517 | 98,868 | 51 | 98,842 | 5,616,917 | 56.81 |
| 26–27..... | 0.000538 | 98,817 | 53 | 98,790 | 5,518,074 | 55.84 |
| 27–28..... | 0.000562 | 98,763 | 55 | 98,736 | 5,419,284 | 54.87 |
| 28–29..... | 0.000590 | 98,708 | 58 | 98,679 | 5,320,549 | 53.90 |
| 29–30..... | 0.000622 | 98,650 | 61 | 98,619 | 5,221,870 | 52.93 |
| 30–31..... | 0.000660 | 98,588 | 65 | 98,556 | 5,123,251 | 51.97 |
| 31–32..... | 0.000702 | 98,523 | 69 | 98,489 | 5,024,695 | 51.00 |
| 32–33..... | 0.000746 | 98,454 | 73 | 98,417 | 4,926,206 | 50.04 |
| 33–34..... | 0.000788 | 98,381 | 77 | 98,342 | 4,827,789 | 49.07 |
| 34–35..... | 0.000831 | 98,303 | 82 | 98,262 | 4,729,447 | 48.11 |
| 35–36..... | 0.000882 | 98,222 | 87 | 98,178 | 4,631,184 | 47.15 |
| 36–37..... | 0.000943 | 98,135 | 93 | 98,089 | 4,533,006 | 46.19 |
| 37–38..... | 0.001014 | 98,042 | 99 | 97,993 | 4,434,917 | 45.23 |
| 38–39..... | 0.001098 | 97,943 | 108 | 97,889 | 4,336,924 | 44.28 |
| 39–40..... | 0.001195 | 97,835 | 117 | 97,777 | 4,239,035 | 43.33 |
| 40–41..... | 0.001300 | 97,719 | 127 | 97,655 | 4,141,258 | 42.38 |
| 41–42..... | 0.001421 | 97,592 | 139 | 97,522 | 4,043,603 | 41.43 |
| 42–43..... | 0.001564 | 97,453 | 152 | 97,377 | 3,946,081 | 40.49 |
| 43–44..... | 0.001731 | 97,300 | 168 | 97,216 | 3,848,704 | 39.55 |
| 44–45..... | 0.001914 | 97,132 | 186 | 97,039 | 3,751,488 | 38.62 |
| 45–46..... | 0.002097 | 96,946 | 203 | 96,844 | 3,654,449 | 37.70 |
| 46–47..... | 0.002283 | 96,743 | 221 | 96,632 | 3,557,604 | 36.77 |
| 47–48..... | 0.002486 | 96,522 | 240 | 96,402 | 3,460,972 | 35.86 |
| 48–49..... | 0.002714 | 96,282 | 261 | 96,151 | 3,364,570 | 34.94 |
| 49–50..... | 0.002965 | 96,021 | 285 | 95,878 | 3,268,419 | 34.04 |
| 50–51..... | 0.003237 | 95,736 | 310 | 95,581 | 3,172,540 | 33.14 |
| 51–52..... | 0.003515 | 95,426 | 335 | 95,258 | 3,076,959 | 32.24 |

Table 3. Life table for females: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table03.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 52–53..... | 0.003784 | 95,091 | 360 | 94,911 | 2,981,701 | 31.36 |
| 53–54..... | 0.004039 | 94,731 | 383 | 94,540 | 2,886,790 | 30.47 |
| 54–55..... | 0.004293 | 94,348 | 405 | 94,146 | 2,792,251 | 29.60 |
| 55–56..... | 0.004562 | 93,943 | 429 | 93,729 | 2,698,105 | 28.72 |
| 56–57..... | 0.004869 | 93,515 | 455 | 93,287 | 2,604,376 | 27.85 |
| 57–58..... | 0.005231 | 93,059 | 487 | 92,816 | 2,511,089 | 26.98 |
| 58–59..... | 0.005660 | 92,572 | 524 | 92,310 | 2,418,273 | 26.12 |
| 59–60..... | 0.006144 | 92,049 | 566 | 91,766 | 2,325,963 | 25.27 |
| 60–61..... | 0.006674 | 91,483 | 611 | 91,178 | 2,234,197 | 24.42 |
| 61–62..... | 0.007237 | 90,872 | 658 | 90,544 | 2,143,019 | 23.58 |
| 62–63..... | 0.007841 | 90,215 | 707 | 89,861 | 2,052,476 | 22.75 |
| 63–64..... | 0.008501 | 89,507 | 761 | 89,127 | 1,962,615 | 21.93 |
| 64–65..... | 0.009245 | 88,746 | 820 | 88,336 | 1,873,488 | 21.11 |
| 65–66..... | 0.010120 | 87,926 | 890 | 87,481 | 1,785,152 | 20.30 |
| 66–67..... | 0.011134 | 87,036 | 969 | 86,552 | 1,697,670 | 19.51 |
| 67–68..... | 0.012225 | 86,067 | 1,052 | 85,541 | 1,611,119 | 18.72 |
| 68–69..... | 0.013358 | 85,015 | 1,136 | 84,447 | 1,525,578 | 17.94 |
| 69–70..... | 0.014581 | 83,879 | 1,223 | 83,268 | 1,441,131 | 17.18 |
| 70–71..... | 0.015955 | 82,656 | 1,319 | 81,997 | 1,357,863 | 16.43 |
| 71–72..... | 0.017511 | 81,337 | 1,424 | 80,625 | 1,275,866 | 15.69 |
| 72–73..... | 0.019271 | 79,913 | 1,540 | 79,143 | 1,195,241 | 14.96 |
| 73–74..... | 0.021219 | 78,373 | 1,663 | 77,542 | 1,116,097 | 14.24 |
| 74–75..... | 0.023444 | 76,710 | 1,798 | 75,811 | 1,038,556 | 13.54 |
| 75–76..... | 0.025774 | 74,912 | 1,931 | 73,946 | 962,745 | 12.85 |
| 76–77..... | 0.028373 | 72,981 | 2,071 | 71,946 | 888,798 | 12.18 |
| 77–78..... | 0.031477 | 70,910 | 2,232 | 69,794 | 816,853 | 11.52 |
| 78–79..... | 0.034991 | 68,678 | 2,403 | 67,477 | 747,058 | 10.88 |
| 79–80..... | 0.038857 | 66,275 | 2,575 | 64,988 | 679,582 | 10.25 |
| 80–81..... | 0.043075 | 63,700 | 2,744 | 62,328 | 614,594 | 9.65 |
| 81–82..... | 0.047719 | 60,956 | 2,909 | 59,502 | 552,266 | 9.06 |
| 82–83..... | 0.053222 | 58,047 | 3,089 | 56,503 | 492,765 | 8.49 |
| 83–84..... | 0.059453 | 54,958 | 3,267 | 53,324 | 436,262 | 7.94 |
| 84–85..... | 0.066886 | 51,690 | 3,457 | 49,962 | 382,938 | 7.41 |
| 85–86..... | 0.075065 | 48,233 | 3,621 | 46,423 | 332,976 | 6.90 |
| 86–87..... | 0.084449 | 44,613 | 3,768 | 42,729 | 286,553 | 6.42 |
| 87–88..... | 0.094819 | 40,845 | 3,873 | 38,909 | 243,824 | 5.97 |
| 88–89..... | 0.106230 | 36,972 | 3,928 | 35,008 | 204,916 | 5.54 |
| 89–90..... | 0.118730 | 33,045 | 3,923 | 31,083 | 169,908 | 5.14 |
| 90–91..... | 0.132352 | 29,121 | 3,854 | 27,194 | 138,825 | 4.77 |
| 91–92..... | 0.147118 | 25,267 | 3,717 | 23,408 | 111,631 | 4.42 |
| 92–93..... | 0.163029 | 21,550 | 3,513 | 19,793 | 88,222 | 4.09 |
| 93–94..... | 0.180064 | 18,036 | 3,248 | 16,413 | 68,429 | 3.79 |
| 94–95..... | 0.198178 | 14,789 | 2,931 | 13,323 | 52,017 | 3.52 |
| 95–96..... | 0.217301 | 11,858 | 2,577 | 10,570 | 38,693 | 3.26 |
| 96–97..... | 0.237335 | 9,281 | 2,203 | 8,180 | 28,124 | 3.03 |
| 97–98..... | 0.258154 | 7,078 | 1,827 | 6,165 | 19,944 | 2.82 |
| 98–99..... | 0.279610 | 5,251 | 1,468 | 4,517 | 13,779 | 2.62 |
| 99–100..... | 0.301534 | 3,783 | 1,141 | 3,213 | 9,262 | 2.45 |
| 100–101..... | 0.323738 | 2,642 | 855 | 2,215 | 6,050 | 2.29 |
| 101–102..... | 0.346028 | 1,787 | 618 | 1,478 | 3,835 | 2.15 |
| 102–103..... | 0.368205 | 1,169 | 430 | 953 | 2,357 | 2.02 |
| 103–104..... | 0.390074 | 738 | 288 | 594 | 1,404 | 1.90 |
| 104–105..... | 0.411452 | 450 | 185 | 358 | 810 | 1.80 |
| 105–106..... | 0.432170 | 265 | 115 | 208 | 452 | 1.71 |
| 106–107..... | 0.452084 | 150 | 68 | 116 | 244 | 1.62 |
| 107–108..... | 0.471072 | 82 | 39 | 63 | 128 | 1.55 |
| 108–109..... | 0.489040 | 44 | 21 | 33 | 65 | 1.48 |
| 109–110..... | 0.505920 | 22 | 11 | 17 | 32 | 1.43 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 4. Life table for the white population: United States, 2009–2011

Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table04.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | nq_x | l_x | $n d_x$ | nL_x | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.002061 | 100,000 | 206 | 274 | 7,888,126 | 78.88 |
| 1–7..... | 0.000701 | 99,794 | 70 | 1,640 | 7,887,852 | 79.04 |
| 7–28..... | 0.000707 | 99,724 | 71 | 5,736 | 7,886,212 | 79.08 |
| 28–365..... | 0.001721 | 99,653 | 171 | 91,930 | 7,880,477 | 79.08 |
| Years | | | | | | |
| 0–1..... | 0.005181 | 100,000 | 518 | 99,579 | 7,888,126 | 78.88 |
| 1–2..... | 0.000373 | 99,482 | 37 | 99,463 | 7,788,547 | 78.29 |
| 2–3..... | 0.000252 | 99,445 | 25 | 99,432 | 7,689,084 | 77.32 |
| 3–4..... | 0.000203 | 99,420 | 20 | 99,410 | 7,589,652 | 76.34 |
| 4–5..... | 0.000154 | 99,400 | 15 | 99,392 | 7,490,242 | 75.35 |
| 5–6..... | 0.000141 | 99,384 | 14 | 99,377 | 7,390,850 | 74.37 |
| 6–7..... | 0.000125 | 99,370 | 12 | 99,364 | 7,291,473 | 73.38 |
| 7–8..... | 0.000112 | 99,358 | 11 | 99,352 | 7,192,108 | 72.39 |
| 8–9..... | 0.000099 | 99,347 | 10 | 99,342 | 7,092,756 | 71.39 |
| 9–10..... | 0.000086 | 99,337 | 9 | 99,333 | 6,993,414 | 70.40 |
| 10–11..... | 0.000078 | 99,328 | 8 | 99,325 | 6,894,081 | 69.41 |
| 11–12..... | 0.000084 | 99,321 | 8 | 99,316 | 6,794,757 | 68.41 |
| 12–13..... | 0.000112 | 99,312 | 11 | 99,307 | 6,695,440 | 67.42 |
| 13–14..... | 0.000168 | 99,301 | 17 | 99,293 | 6,596,134 | 66.43 |
| 14–15..... | 0.000243 | 99,284 | 24 | 99,272 | 6,496,841 | 65.44 |
| 15–16..... | 0.000322 | 99,260 | 32 | 99,244 | 6,397,569 | 64.45 |
| 16–17..... | 0.000399 | 99,228 | 40 | 99,209 | 6,298,324 | 63.47 |
| 17–18..... | 0.000477 | 99,189 | 47 | 99,165 | 6,199,116 | 62.50 |
| 18–19..... | 0.000556 | 99,141 | 55 | 99,114 | 6,099,951 | 61.53 |
| 19–20..... | 0.000635 | 99,086 | 63 | 99,055 | 6,000,837 | 60.56 |
| 20–21..... | 0.000720 | 99,023 | 71 | 98,988 | 5,901,782 | 59.60 |
| 21–22..... | 0.000801 | 98,952 | 79 | 98,913 | 5,802,794 | 58.64 |
| 22–23..... | 0.000861 | 98,873 | 85 | 98,830 | 5,703,882 | 57.69 |
| 23–24..... | 0.000893 | 98,788 | 88 | 98,744 | 5,605,051 | 56.74 |
| 24–25..... | 0.000903 | 98,700 | 89 | 98,655 | 5,506,308 | 55.79 |
| 25–26..... | 0.000907 | 98,610 | 89 | 98,566 | 5,407,653 | 54.84 |
| 26–27..... | 0.000915 | 98,521 | 90 | 98,476 | 5,309,087 | 53.89 |
| 27–28..... | 0.000927 | 98,431 | 91 | 98,385 | 5,210,611 | 52.94 |
| 28–29..... | 0.000947 | 98,340 | 93 | 98,293 | 5,112,226 | 51.99 |
| 29–30..... | 0.000975 | 98,246 | 96 | 98,198 | 5,013,933 | 51.03 |
| 30–31..... | 0.001009 | 98,151 | 99 | 98,101 | 4,915,735 | 50.08 |
| 31–32..... | 0.001046 | 98,051 | 103 | 98,000 | 4,817,634 | 49.13 |
| 32–33..... | 0.001083 | 97,949 | 106 | 97,896 | 4,719,633 | 48.18 |
| 33–34..... | 0.001117 | 97,843 | 109 | 97,788 | 4,621,738 | 47.24 |
| 34–35..... | 0.001153 | 97,734 | 113 | 97,677 | 4,523,949 | 46.29 |
| 35–36..... | 0.001199 | 97,621 | 117 | 97,562 | 4,426,272 | 45.34 |
| 36–37..... | 0.001260 | 97,504 | 123 | 97,442 | 4,328,710 | 44.40 |
| 37–38..... | 0.001334 | 97,381 | 130 | 97,316 | 4,231,267 | 43.45 |
| 38–39..... | 0.001424 | 97,251 | 138 | 97,182 | 4,133,951 | 42.51 |
| 39–40..... | 0.001531 | 97,113 | 149 | 97,038 | 4,036,769 | 41.57 |
| 40–41..... | 0.001650 | 96,964 | 160 | 96,884 | 3,939,731 | 40.63 |
| 41–42..... | 0.001789 | 96,804 | 173 | 96,717 | 3,842,847 | 39.70 |
| 42–43..... | 0.001959 | 96,631 | 189 | 96,536 | 3,746,129 | 38.77 |
| 43–44..... | 0.002163 | 96,441 | 209 | 96,337 | 3,649,593 | 37.84 |
| 44–45..... | 0.002388 | 96,233 | 230 | 96,118 | 3,553,256 | 36.92 |
| 45–46..... | 0.002618 | 96,003 | 251 | 95,877 | 3,457,138 | 36.01 |
| 46–47..... | 0.002852 | 95,752 | 273 | 95,615 | 3,361,261 | 35.10 |
| 47–48..... | 0.003109 | 95,479 | 297 | 95,330 | 3,265,645 | 34.20 |
| 48–49..... | 0.003399 | 95,182 | 324 | 95,020 | 3,170,315 | 33.31 |
| 49–50..... | 0.003719 | 94,858 | 353 | 94,682 | 3,075,295 | 32.42 |
| 50–51..... | 0.004064 | 94,505 | 384 | 94,313 | 2,980,613 | 31.54 |
| 51–52..... | 0.004417 | 94,121 | 416 | 93,913 | 2,886,300 | 30.67 |
| 52–53..... | 0.004772 | 93,706 | 447 | 93,482 | 2,792,386 | 29.80 |

Table 4. Life table for the white population: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table04.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.005125 | 93,258 | 478 | 93,019 | 2,698,904 | 28.94 |
| 54–55 | 0.005489 | 92,780 | 509 | 92,526 | 2,605,885 | 28.09 |
| 55–56 | 0.005878 | 92,271 | 542 | 92,000 | 2,513,359 | 27.24 |
| 56–57 | 0.006309 | 91,729 | 579 | 91,440 | 2,421,359 | 26.40 |
| 57–58 | 0.006788 | 91,150 | 619 | 90,841 | 2,329,920 | 25.56 |
| 58–59 | 0.007313 | 90,531 | 662 | 90,200 | 2,239,079 | 24.73 |
| 59–60 | 0.007879 | 89,869 | 708 | 89,515 | 2,148,878 | 23.91 |
| 60–61 | 0.008481 | 89,161 | 756 | 88,783 | 2,059,363 | 23.10 |
| 61–62 | 0.009122 | 88,405 | 806 | 88,002 | 1,970,580 | 22.29 |
| 62–63 | 0.009813 | 87,599 | 860 | 87,169 | 1,882,578 | 21.49 |
| 63–64 | 0.010580 | 86,739 | 918 | 86,280 | 1,795,409 | 20.70 |
| 64–65 | 0.011454 | 85,821 | 983 | 85,330 | 1,709,129 | 19.91 |
| 65–66 | 0.012480 | 84,838 | 1,059 | 84,309 | 1,623,799 | 19.14 |
| 66–67 | 0.013663 | 83,780 | 1,145 | 83,207 | 1,539,490 | 18.38 |
| 67–68 | 0.014934 | 82,635 | 1,234 | 82,018 | 1,456,283 | 17.62 |
| 68–69 | 0.016260 | 81,401 | 1,324 | 80,739 | 1,374,265 | 16.88 |
| 69–70 | 0.017679 | 80,077 | 1,416 | 79,369 | 1,293,526 | 16.15 |
| 70–71 | 0.019277 | 78,662 | 1,516 | 77,903 | 1,214,156 | 15.44 |
| 71–72 | 0.021072 | 77,145 | 1,626 | 76,332 | 1,136,253 | 14.73 |
| 72–73 | 0.023126 | 75,520 | 1,746 | 74,646 | 1,059,921 | 14.04 |
| 73–74 | 0.025386 | 73,773 | 1,873 | 72,837 | 985,274 | 13.36 |
| 74–75 | 0.027915 | 71,900 | 2,007 | 70,897 | 912,438 | 12.69 |
| 75–76 | 0.030578 | 69,893 | 2,137 | 68,825 | 841,541 | 12.04 |
| 76–77 | 0.033533 | 67,756 | 2,272 | 66,620 | 772,716 | 11.40 |
| 77–78 | 0.037035 | 65,484 | 2,425 | 64,271 | 706,096 | 10.78 |
| 78–79 | 0.041028 | 63,059 | 2,587 | 61,765 | 641,825 | 10.18 |
| 79–80 | 0.045325 | 60,472 | 2,741 | 59,101 | 580,060 | 9.59 |
| 80–81 | 0.050204 | 57,731 | 2,898 | 56,282 | 520,958 | 9.02 |
| 81–82 | 0.055456 | 54,832 | 3,041 | 53,312 | 464,677 | 8.47 |
| 82–83 | 0.061552 | 51,792 | 3,188 | 50,198 | 411,365 | 7.94 |
| 83–84 | 0.068133 | 48,604 | 3,312 | 46,948 | 361,167 | 7.43 |
| 84–85 | 0.076165 | 45,292 | 3,450 | 43,567 | 314,219 | 6.94 |
| 85–86 | 0.085071 | 41,843 | 3,560 | 40,063 | 270,652 | 6.47 |
| 86–87 | 0.094636 | 38,283 | 3,623 | 36,472 | 230,589 | 6.02 |
| 87–88 | 0.105617 | 34,660 | 3,661 | 32,830 | 194,117 | 5.60 |
| 88–89 | 0.117753 | 30,999 | 3,650 | 29,174 | 161,287 | 5.20 |
| 89–90 | 0.130958 | 27,349 | 3,582 | 25,558 | 132,113 | 4.83 |
| 90–91 | 0.145251 | 23,768 | 3,452 | 22,041 | 106,555 | 4.48 |
| 91–92 | 0.160637 | 20,315 | 3,263 | 18,684 | 84,513 | 4.16 |
| 92–93 | 0.177099 | 17,052 | 3,020 | 15,542 | 65,830 | 3.86 |
| 93–94 | 0.194600 | 14,032 | 2,731 | 12,667 | 50,288 | 3.58 |
| 94–95 | 0.213077 | 11,301 | 2,408 | 10,097 | 37,621 | 3.33 |
| 95–96 | 0.232445 | 8,893 | 2,067 | 7,860 | 27,524 | 3.09 |
| 96–97 | 0.252593 | 6,826 | 1,724 | 5,964 | 19,664 | 2.88 |
| 97–98 | 0.273387 | 5,102 | 1,395 | 4,404 | 13,700 | 2.69 |
| 98–99 | 0.294676 | 3,707 | 1,092 | 3,161 | 9,296 | 2.51 |
| 99–100 | 0.316289 | 2,615 | 827 | 2,201 | 6,135 | 2.35 |
| 100–101 | 0.338046 | 1,788 | 604 | 1,486 | 3,934 | 2.20 |
| 101–102 | 0.359763 | 1,183 | 426 | 971 | 2,448 | 2.07 |
| 102–103 | 0.381257 | 758 | 289 | 613 | 1,477 | 1.95 |
| 103–104 | 0.402352 | 469 | 189 | 374 | 864 | 1.84 |
| 104–105 | 0.422884 | 280 | 118 | 221 | 490 | 1.75 |
| 105–106 | 0.442709 | 162 | 72 | 126 | 269 | 1.66 |
| 106–107 | 0.461704 | 90 | 42 | 69 | 143 | 1.59 |
| 107–108 | 0.479767 | 49 | 23 | 37 | 74 | 1.52 |
| 108–109 | 0.496824 | 25 | 13 | 19 | 37 | 1.46 |
| 109–110 | 0.512824 | 13 | 7 | 9 | 18 | 1.40 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 5. Life table for white males: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table05.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| 0–1..... | 0.002220 | 100,000 | 222 | 274 | 7,648,500 | 76.49 |
| 1–7..... | 0.000764 | 99,778 | 76 | 1,640 | 7,648,226 | 76.65 |
| 7–28..... | 0.000751 | 99,702 | 75 | 5,734 | 7,646,587 | 76.69 |
| 28–365..... | 0.001911 | 99,627 | 190 | 91,896 | 7,640,853 | 76.69 |
| Years | | | | | | |
| 0–1..... | 0.005635 | 100,000 | 564 | 99,544 | 7,648,501 | 76.49 |
| 1–2..... | 0.000399 | 99,436 | 40 | 99,417 | 7,548,956 | 75.92 |
| 2–3..... | 0.000287 | 99,397 | 29 | 99,383 | 7,449,540 | 74.95 |
| 3–4..... | 0.000234 | 99,368 | 23 | 99,357 | 7,350,157 | 73.97 |
| 4–5..... | 0.000170 | 99,345 | 17 | 99,337 | 7,250,801 | 72.99 |
| 5–6..... | 0.000158 | 99,328 | 16 | 99,320 | 7,151,464 | 72.00 |
| 6–7..... | 0.000141 | 99,312 | 14 | 99,305 | 7,052,144 | 71.01 |
| 7–8..... | 0.000126 | 99,298 | 12 | 99,292 | 6,952,838 | 70.02 |
| 8–9..... | 0.000108 | 99,286 | 11 | 99,281 | 6,853,546 | 69.03 |
| 9–10..... | 0.000089 | 99,275 | 9 | 99,271 | 6,754,265 | 68.04 |
| 10–11..... | 0.000077 | 99,266 | 8 | 99,263 | 6,654,995 | 67.04 |
| 11–12..... | 0.000083 | 99,259 | 8 | 99,255 | 6,555,732 | 66.05 |
| 12–13..... | 0.000123 | 99,251 | 12 | 99,244 | 6,456,477 | 65.05 |
| 13–14..... | 0.000202 | 99,238 | 20 | 99,228 | 6,357,233 | 64.06 |
| 14–15..... | 0.000310 | 99,218 | 31 | 99,203 | 6,258,004 | 63.07 |
| 15–16..... | 0.000423 | 99,187 | 42 | 99,166 | 6,158,802 | 62.09 |
| 16–17..... | 0.000532 | 99,145 | 53 | 99,119 | 6,059,635 | 61.12 |
| 17–18..... | 0.000648 | 99,093 | 64 | 99,061 | 5,960,516 | 60.15 |
| 18–19..... | 0.000771 | 99,028 | 76 | 98,990 | 5,861,455 | 59.19 |
| 19–20..... | 0.000899 | 98,952 | 89 | 98,908 | 5,762,465 | 58.23 |
| 20–21..... | 0.001035 | 98,863 | 102 | 98,812 | 5,663,557 | 57.29 |
| 21–22..... | 0.001164 | 98,761 | 115 | 98,703 | 5,564,745 | 56.35 |
| 22–23..... | 0.001257 | 98,646 | 124 | 98,584 | 5,466,042 | 55.41 |
| 23–24..... | 0.001299 | 98,522 | 128 | 98,458 | 5,367,458 | 54.48 |
| 24–25..... | 0.001303 | 98,394 | 128 | 98,330 | 5,269,000 | 53.55 |
| 25–26..... | 0.001295 | 98,266 | 127 | 98,202 | 5,170,670 | 52.62 |
| 26–27..... | 0.001293 | 98,138 | 127 | 98,075 | 5,072,468 | 51.69 |
| 27–28..... | 0.001296 | 98,012 | 127 | 97,948 | 4,974,393 | 50.75 |
| 28–29..... | 0.001312 | 97,884 | 128 | 97,820 | 4,876,445 | 49.82 |
| 29–30..... | 0.001338 | 97,756 | 131 | 97,691 | 4,778,625 | 48.88 |
| 30–31..... | 0.001370 | 97,625 | 134 | 97,558 | 4,680,934 | 47.95 |
| 31–32..... | 0.001403 | 97,491 | 137 | 97,423 | 4,583,376 | 47.01 |
| 32–33..... | 0.001437 | 97,355 | 140 | 97,285 | 4,485,953 | 46.08 |
| 33–34..... | 0.001469 | 97,215 | 143 | 97,143 | 4,388,668 | 45.14 |
| 34–35..... | 0.001504 | 97,072 | 146 | 96,999 | 4,291,525 | 44.21 |
| 35–36..... | 0.001552 | 96,926 | 150 | 96,851 | 4,194,526 | 43.28 |
| 36–37..... | 0.001618 | 96,776 | 157 | 96,697 | 4,097,675 | 42.34 |
| 37–38..... | 0.001701 | 96,619 | 164 | 96,537 | 4,000,977 | 41.41 |
| 38–39..... | 0.001801 | 96,455 | 174 | 96,368 | 3,904,441 | 40.48 |
| 39–40..... | 0.001922 | 96,281 | 185 | 96,188 | 3,808,073 | 39.55 |
| 40–41..... | 0.002058 | 96,096 | 198 | 95,997 | 3,711,884 | 38.63 |
| 41–42..... | 0.002220 | 95,898 | 213 | 95,792 | 3,615,887 | 37.71 |
| 42–43..... | 0.002423 | 95,685 | 232 | 95,569 | 3,520,095 | 36.79 |
| 43–44..... | 0.002672 | 95,453 | 255 | 95,326 | 3,424,526 | 35.88 |
| 44–45..... | 0.002953 | 95,198 | 281 | 95,058 | 3,329,200 | 34.97 |
| 45–46..... | 0.003241 | 94,917 | 308 | 94,764 | 3,234,142 | 34.07 |
| 46–47..... | 0.003536 | 94,610 | 335 | 94,443 | 3,139,378 | 33.18 |
| 47–48..... | 0.003863 | 94,275 | 364 | 94,093 | 3,044,936 | 32.30 |
| 48–49..... | 0.004230 | 93,911 | 397 | 93,712 | 2,950,843 | 31.42 |
| 49–50..... | 0.004636 | 93,514 | 434 | 93,297 | 2,857,130 | 30.55 |
| 50–51..... | 0.005069 | 93,080 | 472 | 92,844 | 2,763,833 | 29.69 |
| 51–52..... | 0.005514 | 92,608 | 511 | 92,353 | 2,670,989 | 28.84 |
| 52–53..... | 0.005974 | 92,098 | 550 | 91,823 | 2,578,636 | 28.00 |

Table 5. Life table for white males: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table05.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.006450 | 91,548 | 591 | 91,252 | 2,486,813 | 27.16 |
| 54–55 | 0.006953 | 90,957 | 632 | 90,641 | 2,395,561 | 26.34 |
| 55–56 | 0.007498 | 90,325 | 677 | 89,986 | 2,304,920 | 25.52 |
| 56–57 | 0.008087 | 89,647 | 725 | 89,285 | 2,214,934 | 24.71 |
| 57–58 | 0.008706 | 88,922 | 774 | 88,535 | 2,125,649 | 23.90 |
| 58–59 | 0.009340 | 88,148 | 823 | 87,737 | 2,037,114 | 23.11 |
| 59–60 | 0.009986 | 87,325 | 872 | 86,889 | 1,949,377 | 22.32 |
| 60–61 | 0.010660 | 86,453 | 922 | 85,992 | 1,862,488 | 21.54 |
| 61–62 | 0.011381 | 85,531 | 973 | 85,045 | 1,776,496 | 20.77 |
| 62–63 | 0.012166 | 84,558 | 1,029 | 84,044 | 1,691,451 | 20.00 |
| 63–64 | 0.013056 | 83,529 | 1,091 | 82,984 | 1,607,407 | 19.24 |
| 64–65 | 0.014087 | 82,439 | 1,161 | 81,858 | 1,524,423 | 18.49 |
| 65–66 | 0.015296 | 81,277 | 1,243 | 80,656 | 1,442,565 | 17.75 |
| 66–67 | 0.016688 | 80,034 | 1,336 | 79,366 | 1,361,910 | 17.02 |
| 67–68 | 0.018182 | 78,699 | 1,431 | 77,983 | 1,282,543 | 16.30 |
| 68–69 | 0.019762 | 77,268 | 1,527 | 76,504 | 1,204,560 | 15.59 |
| 69–70 | 0.021428 | 75,741 | 1,623 | 74,929 | 1,128,056 | 14.89 |
| 70–71 | 0.023304 | 74,118 | 1,727 | 73,254 | 1,053,127 | 14.21 |
| 71–72 | 0.025397 | 72,391 | 1,839 | 71,471 | 979,873 | 13.54 |
| 72–73 | 0.027810 | 70,552 | 1,962 | 69,571 | 908,401 | 12.88 |
| 73–74 | 0.030482 | 68,590 | 2,091 | 67,545 | 838,830 | 12.23 |
| 74–75 | 0.033471 | 66,499 | 2,226 | 65,386 | 771,286 | 11.60 |
| 75–76 | 0.036624 | 64,273 | 2,354 | 63,096 | 705,899 | 10.98 |
| 76–77 | 0.040110 | 61,919 | 2,484 | 60,678 | 642,803 | 10.38 |
| 77–78 | 0.044189 | 59,436 | 2,626 | 58,123 | 582,125 | 9.79 |
| 78–79 | 0.048944 | 56,810 | 2,780 | 55,419 | 524,003 | 9.22 |
| 79–80 | 0.053931 | 54,029 | 2,914 | 52,572 | 468,583 | 8.67 |
| 80–81 | 0.060069 | 51,115 | 3,070 | 49,580 | 416,011 | 8.14 |
| 81–82 | 0.066455 | 48,045 | 3,193 | 46,448 | 366,431 | 7.63 |
| 82–83 | 0.073592 | 44,852 | 3,301 | 43,202 | 319,983 | 7.13 |
| 83–84 | 0.081196 | 41,551 | 3,374 | 39,864 | 276,781 | 6.66 |
| 84–85 | 0.090418 | 38,177 | 3,452 | 36,451 | 236,917 | 6.21 |
| 85–86 | 0.100662 | 34,726 | 3,496 | 32,978 | 200,465 | 5.77 |
| 86–87 | 0.111727 | 31,230 | 3,489 | 29,485 | 167,488 | 5.36 |
| 87–88 | 0.125234 | 27,741 | 3,474 | 26,004 | 138,002 | 4.97 |
| 88–89 | 0.139188 | 24,267 | 3,378 | 22,578 | 111,999 | 4.62 |
| 89–90 | 0.154254 | 20,889 | 3,222 | 19,278 | 89,421 | 4.28 |
| 90–91 | 0.170424 | 17,667 | 3,011 | 16,161 | 70,143 | 3.97 |
| 91–92 | 0.187668 | 14,656 | 2,750 | 13,281 | 53,981 | 3.68 |
| 92–93 | 0.205933 | 11,906 | 2,452 | 10,680 | 40,701 | 3.42 |
| 93–94 | 0.225140 | 9,454 | 2,128 | 8,390 | 30,021 | 3.18 |
| 94–95 | 0.245185 | 7,325 | 1,796 | 6,427 | 21,631 | 2.95 |
| 95–96 | 0.265940 | 5,529 | 1,470 | 4,794 | 15,204 | 2.75 |
| 96–97 | 0.287254 | 4,059 | 1,166 | 3,476 | 10,410 | 2.56 |
| 97–98 | 0.308960 | 2,893 | 894 | 2,446 | 6,934 | 2.40 |
| 98–99 | 0.330875 | 1,999 | 661 | 1,668 | 4,488 | 2.25 |
| 99–100 | 0.352812 | 1,338 | 472 | 1,102 | 2,820 | 2.11 |
| 100–101 | 0.374581 | 866 | 324 | 704 | 1,718 | 1.98 |
| 101–102 | 0.395998 | 541 | 214 | 434 | 1,015 | 1.87 |
| 102–103 | 0.416892 | 327 | 136 | 259 | 580 | 1.77 |
| 103–104 | 0.437108 | 191 | 83 | 149 | 321 | 1.69 |
| 104–105 | 0.456512 | 107 | 49 | 83 | 172 | 1.61 |
| 105–106 | 0.474996 | 58 | 28 | 44 | 90 | 1.54 |
| 106–107 | 0.492474 | 31 | 15 | 23 | 45 | 1.47 |
| 107–108 | 0.508888 | 16 | 8 | 12 | 22 | 1.42 |
| 108–109 | 0.524203 | 8 | 4 | 6 | 10 | 1.37 |
| 109–110 | 0.538405 | 4 | 2 | 3 | 5 | 1.32 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 6. Life table for white females: United States, 2009–2011

Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table06.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------|---|---|--|--------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1 | 0.001895 | 100,000 | 189 | 274 | 8,122,765 | 81.23 |
| 1–7 | 0.000635 | 99,811 | 63 | 1,640 | 8,122,491 | 81.38 |
| 7–28 | 0.000661 | 99,747 | 66 | 5,737 | 8,120,851 | 81.41 |
| 28–365 | 0.001521 | 99,681 | 152 | 91,964 | 8,115,114 | 81.41 |
| Years | | | | | | |
| 0–1 | 0.004704 | 100,000 | 470 | 99,616 | 8,122,766 | 81.23 |
| 1–2 | 0.000345 | 99,530 | 34 | 99,512 | 8,023,150 | 80.61 |
| 2–3 | 0.000216 | 99,495 | 21 | 99,485 | 7,923,638 | 79.64 |
| 3–4 | 0.000170 | 99,474 | 17 | 99,465 | 7,824,153 | 78.66 |
| 4–5 | 0.000136 | 99,457 | 14 | 99,450 | 7,724,688 | 77.67 |
| 5–6 | 0.000122 | 99,443 | 12 | 99,437 | 7,625,238 | 76.68 |
| 6–7 | 0.000108 | 99,431 | 11 | 99,426 | 7,525,800 | 75.69 |
| 7–8 | 0.000098 | 99,420 | 10 | 99,416 | 7,426,375 | 74.70 |
| 8–9 | 0.000090 | 99,411 | 9 | 99,406 | 7,326,959 | 73.70 |
| 9–10 | 0.000083 | 99,402 | 8 | 99,398 | 7,227,553 | 72.71 |
| 10–11 | 0.000080 | 99,393 | 8 | 99,390 | 7,128,155 | 71.72 |
| 11–12 | 0.000085 | 99,386 | 8 | 99,381 | 7,028,766 | 70.72 |
| 12–13 | 0.000101 | 99,377 | 10 | 99,372 | 6,929,384 | 69.73 |
| 13–14 | 0.000132 | 99,367 | 13 | 99,360 | 6,830,012 | 68.74 |
| 14–15 | 0.000172 | 99,354 | 17 | 99,345 | 6,730,652 | 67.74 |
| 15–16 | 0.000216 | 99,337 | 21 | 99,326 | 6,631,306 | 66.76 |
| 16–17 | 0.000258 | 99,315 | 26 | 99,303 | 6,531,980 | 65.77 |
| 17–18 | 0.000296 | 99,290 | 29 | 99,275 | 6,432,678 | 64.79 |
| 18–19 | 0.000328 | 99,261 | 33 | 99,244 | 6,333,402 | 63.81 |
| 19–20 | 0.000356 | 99,228 | 35 | 99,210 | 6,234,158 | 62.83 |
| 20–21 | 0.000386 | 99,193 | 38 | 99,173 | 6,134,948 | 61.85 |
| 21–22 | 0.000416 | 99,154 | 41 | 99,134 | 6,035,774 | 60.87 |
| 22–23 | 0.000443 | 99,113 | 44 | 99,091 | 5,936,641 | 59.90 |
| 23–24 | 0.000465 | 99,069 | 46 | 99,046 | 5,837,550 | 58.92 |
| 24–25 | 0.000483 | 99,023 | 48 | 98,999 | 5,738,503 | 57.95 |
| 25–26 | 0.000501 | 98,975 | 50 | 98,950 | 5,639,504 | 56.98 |
| 26–27 | 0.000520 | 98,926 | 51 | 98,900 | 5,540,554 | 56.01 |
| 27–28 | 0.000542 | 98,874 | 54 | 98,847 | 5,441,654 | 55.04 |
| 28–29 | 0.000568 | 98,821 | 56 | 98,793 | 5,342,806 | 54.07 |
| 29–30 | 0.000598 | 98,765 | 59 | 98,735 | 5,244,014 | 53.10 |
| 30–31 | 0.000635 | 98,705 | 63 | 98,674 | 5,145,279 | 52.13 |
| 31–32 | 0.000676 | 98,643 | 67 | 98,609 | 5,046,605 | 51.16 |
| 32–33 | 0.000716 | 98,576 | 71 | 98,541 | 4,947,995 | 50.19 |
| 33–34 | 0.000754 | 98,506 | 74 | 98,468 | 4,849,454 | 49.23 |
| 34–35 | 0.000792 | 98,431 | 78 | 98,392 | 4,750,986 | 48.27 |
| 35–36 | 0.000837 | 98,353 | 82 | 98,312 | 4,652,594 | 47.30 |
| 36–37 | 0.000894 | 98,271 | 88 | 98,227 | 4,554,282 | 46.34 |
| 37–38 | 0.000961 | 98,183 | 94 | 98,136 | 4,456,055 | 45.39 |
| 38–39 | 0.001040 | 98,089 | 102 | 98,038 | 4,357,919 | 44.43 |
| 39–40 | 0.001133 | 97,987 | 111 | 97,931 | 4,259,881 | 43.47 |
| 40–41 | 0.001235 | 97,876 | 121 | 97,815 | 4,161,950 | 42.52 |
| 41–42 | 0.001350 | 97,755 | 132 | 97,689 | 4,064,135 | 41.57 |
| 42–43 | 0.001487 | 97,623 | 145 | 97,550 | 3,966,446 | 40.63 |
| 43–44 | 0.001646 | 97,477 | 160 | 97,397 | 3,868,896 | 39.69 |
| 44–45 | 0.001820 | 97,317 | 177 | 97,228 | 3,771,499 | 38.75 |
| 45–46 | 0.001993 | 97,140 | 194 | 97,043 | 3,674,271 | 37.82 |
| 46–47 | 0.002168 | 96,946 | 210 | 96,841 | 3,577,227 | 36.90 |
| 47–48 | 0.002360 | 96,736 | 228 | 96,622 | 3,480,386 | 35.98 |
| 48–49 | 0.002575 | 96,508 | 249 | 96,384 | 3,383,764 | 35.06 |
| 49–50 | 0.002812 | 96,259 | 271 | 96,124 | 3,287,381 | 34.15 |
| 50–51 | 0.003071 | 95,989 | 295 | 95,841 | 3,191,257 | 33.25 |
| 51–52 | 0.003336 | 95,694 | 319 | 95,534 | 3,095,415 | 32.35 |
| 52–53 | 0.003590 | 95,375 | 342 | 95,204 | 2,999,881 | 31.45 |

Table 6. Life table for white females: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table06.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.003827 | 95,032 | 364 | 94,850 | 2,904,678 | 30.57 |
| 54–55 | 0.004061 | 94,669 | 384 | 94,476 | 2,809,827 | 29.68 |
| 55–56 | 0.004307 | 94,284 | 406 | 94,081 | 2,715,351 | 28.80 |
| 56–57 | 0.004595 | 93,878 | 431 | 93,662 | 2,621,270 | 27.92 |
| 57–58 | 0.004946 | 93,447 | 462 | 93,216 | 2,527,607 | 27.05 |
| 58–59 | 0.005374 | 92,985 | 500 | 92,735 | 2,434,392 | 26.18 |
| 59–60 | 0.005867 | 92,485 | 543 | 92,214 | 2,341,657 | 25.32 |
| 60–61 | 0.006405 | 91,942 | 589 | 91,648 | 2,249,443 | 24.47 |
| 61–62 | 0.006975 | 91,353 | 637 | 91,035 | 2,157,796 | 23.62 |
| 62–63 | 0.007584 | 90,716 | 688 | 90,372 | 2,066,761 | 22.78 |
| 63–64 | 0.008247 | 90,028 | 742 | 89,657 | 1,976,389 | 21.95 |
| 64–65 | 0.008993 | 89,286 | 803 | 88,884 | 1,886,732 | 21.13 |
| 65–66 | 0.009873 | 88,483 | 874 | 88,046 | 1,797,848 | 20.32 |
| 66–67 | 0.010891 | 87,609 | 954 | 87,132 | 1,709,802 | 19.52 |
| 67–68 | 0.011985 | 86,655 | 1,039 | 86,136 | 1,622,669 | 18.73 |
| 68–69 | 0.013108 | 85,616 | 1,122 | 85,055 | 1,536,534 | 17.95 |
| 69–70 | 0.014332 | 84,494 | 1,211 | 83,889 | 1,451,478 | 17.18 |
| 70–71 | 0.015711 | 83,283 | 1,308 | 82,629 | 1,367,590 | 16.42 |
| 71–72 | 0.017283 | 81,975 | 1,417 | 81,266 | 1,284,961 | 15.68 |
| 72–73 | 0.019072 | 80,558 | 1,536 | 79,790 | 1,203,694 | 14.94 |
| 73–74 | 0.021036 | 79,023 | 1,662 | 78,190 | 1,123,904 | 14.22 |
| 74–75 | 0.023248 | 77,359 | 1,798 | 76,460 | 1,045,714 | 13.52 |
| 75–76 | 0.025582 | 75,561 | 1,933 | 74,594 | 969,254 | 12.83 |
| 76–77 | 0.028192 | 73,628 | 2,076 | 72,590 | 894,659 | 12.15 |
| 77–78 | 0.031344 | 71,552 | 2,243 | 70,431 | 822,069 | 11.49 |
| 78–79 | 0.034882 | 69,309 | 2,418 | 68,101 | 751,638 | 10.84 |
| 79–80 | 0.038823 | 66,892 | 2,597 | 65,593 | 683,538 | 10.22 |
| 80–81 | 0.042964 | 64,295 | 2,762 | 62,914 | 617,944 | 9.61 |
| 81–82 | 0.047636 | 61,532 | 2,931 | 60,067 | 555,031 | 9.02 |
| 82–83 | 0.053289 | 58,601 | 3,123 | 57,040 | 494,964 | 8.45 |
| 83–84 | 0.059512 | 55,478 | 3,302 | 53,828 | 437,924 | 7.89 |
| 84–85 | 0.067159 | 52,177 | 3,504 | 50,425 | 384,096 | 7.36 |
| 85–86 | 0.075683 | 48,673 | 3,684 | 46,831 | 333,672 | 6.86 |
| 86–87 | 0.084454 | 44,989 | 3,799 | 43,089 | 286,841 | 6.38 |
| 87–88 | 0.095082 | 41,189 | 3,916 | 39,231 | 243,752 | 5.92 |
| 88–89 | 0.106803 | 37,273 | 3,981 | 35,283 | 204,520 | 5.49 |
| 89–90 | 0.119666 | 33,292 | 3,984 | 31,300 | 169,238 | 5.08 |
| 90–91 | 0.133708 | 29,308 | 3,919 | 27,349 | 137,937 | 4.71 |
| 91–92 | 0.148949 | 25,390 | 3,782 | 23,499 | 110,589 | 4.36 |
| 92–93 | 0.165388 | 21,608 | 3,574 | 19,821 | 87,090 | 4.03 |
| 93–94 | 0.183000 | 18,034 | 3,300 | 16,384 | 67,269 | 3.73 |
| 94–95 | 0.201733 | 14,734 | 2,972 | 13,248 | 50,885 | 3.45 |
| 95–96 | 0.221506 | 11,762 | 2,605 | 10,459 | 37,637 | 3.20 |
| 96–97 | 0.242207 | 9,156 | 2,218 | 8,047 | 27,178 | 2.97 |
| 97–98 | 0.263696 | 6,939 | 1,830 | 6,024 | 19,131 | 2.76 |
| 98–99 | 0.285808 | 5,109 | 1,460 | 4,379 | 13,107 | 2.57 |
| 99–100 | 0.308356 | 3,649 | 1,125 | 3,086 | 8,728 | 2.39 |
| 100–101 | 0.331136 | 2,524 | 836 | 2,106 | 5,642 | 2.24 |
| 101–102 | 0.353936 | 1,688 | 597 | 1,389 | 3,536 | 2.09 |
| 102–103 | 0.376545 | 1,091 | 411 | 885 | 2,147 | 1.97 |
| 103–104 | 0.398756 | 680 | 271 | 544 | 1,262 | 1.86 |
| 104–105 | 0.420379 | 409 | 172 | 323 | 717 | 1.76 |
| 105–106 | 0.441243 | 237 | 105 | 185 | 395 | 1.67 |
| 106–107 | 0.461204 | 132 | 61 | 102 | 210 | 1.59 |
| 107–108 | 0.480145 | 71 | 34 | 54 | 108 | 1.51 |
| 108–109 | 0.497978 | 37 | 18 | 28 | 54 | 1.45 |
| 109–110 | 0.514646 | 19 | 10 | 14 | 26 | 1.40 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 7. Life table for the black population: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table07.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.005115 | 100,000 | 511 | 274 | 7,499,338 | 74.99 |
| 1–7..... | 0.001131 | 99,489 | 113 | 1,635 | 7,499,064 | 75.38 |
| 7–28..... | 0.001506 | 99,376 | 150 | 5,713 | 7,497,429 | 75.45 |
| 28–365..... | 0.004185 | 99,226 | 415 | 91,423 | 7,491,716 | 75.50 |
| Years | | | | | | |
| 0–1..... | 0.011890 | 100,000 | 1,189 | 99,044 | 7,499,338 | 74.99 |
| 1–2..... | 0.000667 | 98,811 | 66 | 98,778 | 7,400,293 | 74.89 |
| 2–3..... | 0.000418 | 98,745 | 41 | 98,725 | 7,301,515 | 73.94 |
| 3–4..... | 0.000282 | 98,704 | 28 | 98,690 | 7,202,791 | 72.97 |
| 4–5..... | 0.000233 | 98,676 | 23 | 98,665 | 7,104,101 | 71.99 |
| 5–6..... | 0.000211 | 98,653 | 21 | 98,643 | 7,005,436 | 71.01 |
| 6–7..... | 0.000184 | 98,632 | 18 | 98,623 | 6,906,794 | 70.03 |
| 7–8..... | 0.000162 | 98,614 | 16 | 98,606 | 6,808,171 | 69.04 |
| 8–9..... | 0.000141 | 98,598 | 14 | 98,591 | 6,709,565 | 68.05 |
| 9–10..... | 0.000121 | 98,584 | 12 | 98,578 | 6,610,973 | 67.06 |
| 10–11..... | 0.000110 | 98,572 | 11 | 98,567 | 6,512,395 | 66.07 |
| 11–12..... | 0.000118 | 98,561 | 12 | 98,556 | 6,413,828 | 65.07 |
| 12–13..... | 0.000160 | 98,550 | 16 | 98,542 | 6,315,273 | 64.08 |
| 13–14..... | 0.000240 | 98,534 | 24 | 98,522 | 6,216,731 | 63.09 |
| 14–15..... | 0.000343 | 98,510 | 34 | 98,494 | 6,118,209 | 62.11 |
| 15–16..... | 0.000448 | 98,477 | 44 | 98,455 | 6,019,715 | 61.13 |
| 16–17..... | 0.000546 | 98,433 | 54 | 98,406 | 5,921,260 | 60.16 |
| 17–18..... | 0.000651 | 98,379 | 64 | 98,347 | 5,822,855 | 59.19 |
| 18–19..... | 0.000766 | 98,315 | 75 | 98,277 | 5,724,508 | 58.23 |
| 19–20..... | 0.000892 | 98,239 | 88 | 98,196 | 5,626,231 | 57.27 |
| 20–21..... | 0.001036 | 98,152 | 102 | 98,101 | 5,528,035 | 56.32 |
| 21–22..... | 0.001180 | 98,050 | 116 | 97,992 | 5,429,934 | 55.38 |
| 22–23..... | 0.001293 | 97,934 | 127 | 97,871 | 5,331,942 | 54.44 |
| 23–24..... | 0.001354 | 97,808 | 132 | 97,742 | 5,234,071 | 53.51 |
| 24–25..... | 0.001375 | 97,675 | 134 | 97,608 | 5,136,329 | 52.59 |
| 25–26..... | 0.001383 | 97,541 | 135 | 97,474 | 5,038,721 | 51.66 |
| 26–27..... | 0.001401 | 97,406 | 136 | 97,338 | 4,941,247 | 50.73 |
| 27–28..... | 0.001423 | 97,270 | 138 | 97,201 | 4,843,909 | 49.80 |
| 28–29..... | 0.001457 | 97,131 | 142 | 97,061 | 4,746,709 | 48.87 |
| 29–30..... | 0.001502 | 96,990 | 146 | 96,917 | 4,649,648 | 47.94 |
| 30–31..... | 0.001552 | 96,844 | 150 | 96,769 | 4,552,731 | 47.01 |
| 31–32..... | 0.001602 | 96,694 | 155 | 96,616 | 4,455,962 | 46.08 |
| 32–33..... | 0.001657 | 96,539 | 160 | 96,459 | 4,359,346 | 45.16 |
| 33–34..... | 0.001717 | 96,379 | 166 | 96,296 | 4,262,887 | 44.23 |
| 34–35..... | 0.001786 | 96,213 | 172 | 96,128 | 4,166,591 | 43.31 |
| 35–36..... | 0.001870 | 96,042 | 180 | 95,952 | 4,070,463 | 42.38 |
| 36–37..... | 0.001969 | 95,862 | 189 | 95,768 | 3,974,511 | 41.46 |
| 37–38..... | 0.002084 | 95,673 | 199 | 95,574 | 3,878,744 | 40.54 |
| 38–39..... | 0.002214 | 95,474 | 211 | 95,368 | 3,783,170 | 39.63 |
| 39–40..... | 0.002363 | 95,263 | 225 | 95,150 | 3,687,802 | 38.71 |
| 40–41..... | 0.002533 | 95,037 | 241 | 94,917 | 3,592,652 | 37.80 |
| 41–42..... | 0.002729 | 94,797 | 259 | 94,667 | 3,497,735 | 36.90 |
| 42–43..... | 0.002962 | 94,538 | 280 | 94,398 | 3,403,067 | 36.00 |
| 43–44..... | 0.003232 | 94,258 | 305 | 94,106 | 3,308,669 | 35.10 |
| 44–45..... | 0.003533 | 93,953 | 332 | 93,787 | 3,214,564 | 34.21 |
| 45–46..... | 0.003838 | 93,621 | 359 | 93,442 | 3,120,776 | 33.33 |
| 46–47..... | 0.004162 | 93,262 | 388 | 93,068 | 3,027,334 | 32.46 |
| 47–48..... | 0.004549 | 92,874 | 422 | 92,663 | 2,934,266 | 31.59 |
| 48–49..... | 0.005018 | 92,452 | 464 | 92,220 | 2,841,603 | 30.74 |
| 49–50..... | 0.005558 | 91,988 | 511 | 91,732 | 2,749,384 | 29.89 |
| 50–51..... | 0.006132 | 91,476 | 561 | 91,196 | 2,657,652 | 29.05 |
| 51–52..... | 0.006714 | 90,915 | 610 | 90,610 | 2,566,456 | 28.23 |
| 52–53..... | 0.007326 | 90,305 | 662 | 89,974 | 2,475,846 | 27.42 |

Table 7. Life table for the black population: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table07.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.007975 | 89,643 | 715 | 89,286 | 2,385,872 | 26.62 |
| 54–55 | 0.008672 | 88,928 | 771 | 88,543 | 2,296,586 | 25.83 |
| 55–56 | 0.009443 | 88,157 | 832 | 87,741 | 2,208,043 | 25.05 |
| 56–57 | 0.010270 | 87,325 | 897 | 86,876 | 2,120,302 | 24.28 |
| 57–58 | 0.011105 | 86,428 | 960 | 85,948 | 2,033,425 | 23.53 |
| 58–59 | 0.011906 | 85,468 | 1,018 | 84,959 | 1,947,477 | 22.79 |
| 59–60 | 0.012681 | 84,451 | 1,071 | 83,915 | 1,862,518 | 22.05 |
| 60–61 | 0.013499 | 83,380 | 1,126 | 82,817 | 1,778,603 | 21.33 |
| 61–62 | 0.014395 | 82,254 | 1,184 | 81,662 | 1,695,786 | 20.62 |
| 62–63 | 0.015330 | 81,070 | 1,243 | 80,449 | 1,614,124 | 19.91 |
| 63–64 | 0.016319 | 79,827 | 1,303 | 79,176 | 1,533,675 | 19.21 |
| 64–65 | 0.017391 | 78,525 | 1,366 | 77,842 | 1,454,499 | 18.52 |
| 65–66 | 0.018589 | 77,159 | 1,434 | 76,442 | 1,376,657 | 17.84 |
| 66–67 | 0.019971 | 75,725 | 1,512 | 74,969 | 1,300,215 | 17.17 |
| 67–68 | 0.021441 | 74,212 | 1,591 | 73,417 | 1,225,246 | 16.51 |
| 68–69 | 0.023051 | 72,621 | 1,674 | 71,784 | 1,151,830 | 15.86 |
| 69–70 | 0.024696 | 70,947 | 1,752 | 70,071 | 1,080,045 | 15.22 |
| 70–71 | 0.026446 | 69,195 | 1,830 | 68,280 | 1,009,974 | 14.60 |
| 71–72 | 0.028301 | 67,365 | 1,906 | 66,412 | 941,694 | 13.98 |
| 72–73 | 0.030439 | 65,459 | 1,993 | 64,462 | 875,282 | 13.37 |
| 73–74 | 0.032735 | 63,466 | 2,078 | 62,427 | 810,820 | 12.78 |
| 74–75 | 0.035462 | 61,389 | 2,177 | 60,300 | 748,392 | 12.19 |
| 75–76 | 0.038326 | 59,212 | 2,269 | 58,077 | 688,092 | 11.62 |
| 76–77 | 0.041589 | 56,942 | 2,368 | 55,758 | 630,015 | 11.06 |
| 77–78 | 0.044780 | 54,574 | 2,444 | 53,352 | 574,257 | 10.52 |
| 78–79 | 0.049010 | 52,130 | 2,555 | 50,853 | 520,905 | 9.99 |
| 79–80 | 0.052884 | 49,575 | 2,622 | 48,264 | 470,052 | 9.48 |
| 80–81 | 0.058265 | 46,954 | 2,736 | 45,586 | 421,788 | 8.98 |
| 81–82 | 0.063175 | 44,218 | 2,793 | 42,821 | 376,202 | 8.51 |
| 82–83 | 0.068436 | 41,424 | 2,835 | 40,007 | 333,381 | 8.05 |
| 83–84 | 0.074836 | 38,589 | 2,888 | 37,146 | 293,374 | 7.60 |
| 84–85 | 0.081700 | 35,702 | 2,917 | 34,243 | 256,228 | 7.18 |
| 85–86 | 0.089100 | 32,785 | 2,921 | 31,324 | 221,985 | 6.77 |
| 86–87 | 0.097059 | 29,864 | 2,899 | 28,414 | 190,661 | 6.38 |
| 87–88 | 0.105599 | 26,965 | 2,847 | 25,541 | 162,247 | 6.02 |
| 88–89 | 0.114739 | 24,118 | 2,767 | 22,734 | 136,705 | 5.67 |
| 89–90 | 0.124494 | 21,350 | 2,658 | 20,021 | 113,971 | 5.34 |
| 90–91 | 0.134877 | 18,692 | 2,521 | 17,432 | 93,950 | 5.03 |
| 91–92 | 0.145892 | 16,171 | 2,359 | 14,992 | 76,518 | 4.73 |
| 92–93 | 0.157540 | 13,812 | 2,176 | 12,724 | 61,526 | 4.45 |
| 93–94 | 0.169815 | 11,636 | 1,976 | 10,648 | 48,802 | 4.19 |
| 94–95 | 0.182703 | 9,660 | 1,765 | 8,778 | 38,154 | 3.95 |
| 95–96 | 0.196183 | 7,895 | 1,549 | 7,121 | 29,377 | 3.72 |
| 96–97 | 0.210225 | 6,346 | 1,334 | 5,679 | 22,256 | 3.51 |
| 97–98 | 0.224792 | 5,012 | 1,127 | 4,449 | 16,577 | 3.31 |
| 98–99 | 0.239839 | 3,885 | 932 | 3,419 | 12,128 | 3.12 |
| 99–100 | 0.255310 | 2,954 | 754 | 2,577 | 8,709 | 2.95 |
| 100–101 | 0.271146 | 2,199 | 596 | 1,901 | 6,132 | 2.79 |
| 101–102 | 0.287278 | 1,603 | 461 | 1,373 | 4,231 | 2.64 |
| 102–103 | 0.303633 | 1,143 | 347 | 969 | 2,858 | 2.50 |
| 103–104 | 0.320133 | 796 | 255 | 668 | 1,889 | 2.37 |
| 104–105 | 0.336699 | 541 | 182 | 450 | 1,221 | 2.26 |
| 105–106 | 0.353247 | 359 | 127 | 295 | 771 | 2.15 |
| 106–107 | 0.369698 | 232 | 86 | 189 | 475 | 2.05 |
| 107–108 | 0.385972 | 146 | 56 | 118 | 286 | 1.96 |
| 108–109 | 0.401992 | 90 | 36 | 72 | 168 | 1.87 |
| 109–110 | 0.417688 | 54 | 22 | 42 | 96 | 1.79 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 8. Life table for black males: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table08.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.005575 | 100,000 | 558 | 274 | 7,175,216 | 71.75 |
| 1–7..... | 0.001265 | 99,442 | 126 | 1,634 | 7,174,942 | 72.15 |
| 7–28..... | 0.001610 | 99,317 | 160 | 5,710 | 7,173,308 | 72.23 |
| 28–365..... | 0.004702 | 99,157 | 466 | 91,335 | 7,167,599 | 72.29 |
| Years | | | | | | |
| 0–1..... | 0.013096 | 100,000 | 1,310 | 98,952 | 7,175,216 | 71.75 |
| 1–2..... | 0.000694 | 98,690 | 69 | 98,656 | 7,076,264 | 71.70 |
| 2–3..... | 0.000482 | 98,622 | 48 | 98,598 | 6,977,608 | 70.75 |
| 3–4..... | 0.000319 | 98,574 | 31 | 98,559 | 6,879,010 | 69.78 |
| 4–5..... | 0.000260 | 98,543 | 26 | 98,530 | 6,780,451 | 68.81 |
| 5–6..... | 0.000238 | 98,517 | 23 | 98,506 | 6,681,921 | 67.82 |
| 6–7..... | 0.000211 | 98,494 | 21 | 98,483 | 6,583,415 | 66.84 |
| 7–8..... | 0.000186 | 98,473 | 18 | 98,464 | 6,484,932 | 65.85 |
| 8–9..... | 0.000155 | 98,455 | 15 | 98,447 | 6,386,468 | 64.87 |
| 9–10..... | 0.000121 | 98,440 | 12 | 98,434 | 6,288,021 | 63.88 |
| 10–11..... | 0.000096 | 98,428 | 9 | 98,423 | 6,189,587 | 62.88 |
| 11–12..... | 0.000103 | 98,418 | 10 | 98,413 | 6,091,164 | 61.89 |
| 12–13..... | 0.000168 | 98,408 | 17 | 98,400 | 5,992,751 | 60.90 |
| 13–14..... | 0.000300 | 98,391 | 30 | 98,377 | 5,894,351 | 59.91 |
| 14–15..... | 0.000475 | 98,362 | 47 | 98,339 | 5,795,975 | 58.92 |
| 15–16..... | 0.000650 | 98,315 | 64 | 98,283 | 5,697,636 | 57.95 |
| 16–17..... | 0.000812 | 98,251 | 80 | 98,211 | 5,599,353 | 56.99 |
| 17–18..... | 0.000980 | 98,172 | 96 | 98,123 | 5,501,141 | 56.04 |
| 18–19..... | 0.001164 | 98,075 | 114 | 98,018 | 5,403,018 | 55.09 |
| 19–20..... | 0.001365 | 97,961 | 134 | 97,894 | 5,305,000 | 54.15 |
| 20–21..... | 0.001596 | 97,827 | 156 | 97,749 | 5,207,105 | 53.23 |
| 21–22..... | 0.001827 | 97,671 | 178 | 97,582 | 5,109,356 | 52.31 |
| 22–23..... | 0.002005 | 97,493 | 195 | 97,395 | 5,011,774 | 51.41 |
| 23–24..... | 0.002092 | 97,298 | 204 | 97,196 | 4,914,378 | 50.51 |
| 24–25..... | 0.002105 | 97,094 | 204 | 96,992 | 4,817,183 | 49.61 |
| 25–26..... | 0.002092 | 96,890 | 203 | 96,788 | 4,720,191 | 48.72 |
| 26–27..... | 0.002091 | 96,687 | 202 | 96,586 | 4,623,403 | 47.82 |
| 27–28..... | 0.002095 | 96,485 | 202 | 96,384 | 4,526,817 | 46.92 |
| 28–29..... | 0.002117 | 96,283 | 204 | 96,181 | 4,430,433 | 46.01 |
| 29–30..... | 0.002155 | 96,079 | 207 | 95,975 | 4,334,253 | 45.11 |
| 30–31..... | 0.002194 | 95,872 | 210 | 95,766 | 4,238,277 | 44.21 |
| 31–32..... | 0.002229 | 95,661 | 213 | 95,555 | 4,142,511 | 43.30 |
| 32–33..... | 0.002268 | 95,448 | 217 | 95,340 | 4,046,956 | 42.40 |
| 33–34..... | 0.002315 | 95,232 | 220 | 95,121 | 3,951,616 | 41.49 |
| 34–35..... | 0.002372 | 95,011 | 225 | 94,898 | 3,856,495 | 40.59 |
| 35–36..... | 0.002446 | 94,786 | 232 | 94,670 | 3,761,597 | 39.69 |
| 36–37..... | 0.002539 | 94,554 | 240 | 94,434 | 3,666,927 | 38.78 |
| 37–38..... | 0.002651 | 94,314 | 250 | 94,189 | 3,572,493 | 37.88 |
| 38–39..... | 0.002782 | 94,064 | 262 | 93,933 | 3,478,305 | 36.98 |
| 39–40..... | 0.002936 | 93,802 | 275 | 93,664 | 3,384,372 | 36.08 |
| 40–41..... | 0.003118 | 93,527 | 292 | 93,381 | 3,290,707 | 35.18 |
| 41–42..... | 0.003333 | 93,235 | 311 | 93,080 | 3,197,327 | 34.29 |
| 42–43..... | 0.003589 | 92,924 | 333 | 92,758 | 3,104,247 | 33.41 |
| 43–44..... | 0.003885 | 92,591 | 360 | 92,411 | 3,011,489 | 32.52 |
| 44–45..... | 0.004219 | 92,231 | 389 | 92,037 | 2,919,078 | 31.65 |
| 45–46..... | 0.004562 | 91,842 | 419 | 91,632 | 2,827,042 | 30.78 |
| 46–47..... | 0.004938 | 91,423 | 451 | 91,197 | 2,735,410 | 29.92 |
| 47–48..... | 0.005407 | 90,971 | 492 | 90,726 | 2,644,212 | 29.07 |
| 48–49..... | 0.005999 | 90,480 | 543 | 90,208 | 2,553,487 | 28.22 |
| 49–50..... | 0.006693 | 89,937 | 602 | 89,636 | 2,463,279 | 27.39 |
| 50–51..... | 0.007431 | 89,335 | 664 | 89,003 | 2,373,643 | 26.57 |
| 51–52..... | 0.008185 | 88,671 | 726 | 88,308 | 2,284,640 | 25.77 |
| 52–53..... | 0.009001 | 87,945 | 792 | 87,549 | 2,196,332 | 24.97 |

Table 8. Life table for black males: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table08.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.009902 | 87,154 | 863 | 86,722 | 2,108,782 | 24.20 |
| 54–55 | 0.010896 | 86,291 | 940 | 85,821 | 2,022,060 | 23.43 |
| 55–56 | 0.012015 | 85,350 | 1,025 | 84,838 | 1,936,240 | 22.69 |
| 56–57 | 0.013213 | 84,325 | 1,114 | 83,768 | 1,851,402 | 21.96 |
| 57–58 | 0.014401 | 83,211 | 1,198 | 82,612 | 1,767,634 | 21.24 |
| 58–59 | 0.015495 | 82,012 | 1,271 | 81,377 | 1,685,022 | 20.55 |
| 59–60 | 0.016506 | 80,742 | 1,333 | 80,075 | 1,603,645 | 19.86 |
| 60–61 | 0.017555 | 79,409 | 1,394 | 78,712 | 1,523,570 | 19.19 |
| 61–62 | 0.018707 | 78,015 | 1,459 | 77,285 | 1,444,858 | 18.52 |
| 62–63 | 0.019891 | 76,555 | 1,523 | 75,794 | 1,367,573 | 17.86 |
| 63–64 | 0.021130 | 75,033 | 1,585 | 74,240 | 1,291,779 | 17.22 |
| 64–65 | 0.022463 | 73,447 | 1,650 | 72,622 | 1,217,539 | 16.58 |
| 65–66 | 0.023936 | 71,797 | 1,719 | 70,938 | 1,144,917 | 15.95 |
| 66–67 | 0.025630 | 70,079 | 1,796 | 69,181 | 1,073,979 | 15.33 |
| 67–68 | 0.027440 | 68,283 | 1,874 | 67,346 | 1,004,798 | 14.72 |
| 68–69 | 0.029433 | 66,409 | 1,955 | 65,432 | 937,452 | 14.12 |
| 69–70 | 0.031444 | 64,454 | 2,027 | 63,441 | 872,020 | 13.53 |
| 70–71 | 0.033608 | 62,428 | 2,098 | 61,379 | 808,579 | 12.95 |
| 71–72 | 0.035748 | 60,330 | 2,157 | 59,251 | 747,201 | 12.39 |
| 72–73 | 0.038508 | 58,173 | 2,240 | 57,053 | 687,949 | 11.83 |
| 73–74 | 0.041396 | 55,933 | 2,315 | 54,775 | 630,896 | 11.28 |
| 74–75 | 0.044621 | 53,617 | 2,392 | 52,421 | 576,121 | 10.75 |
| 75–76 | 0.048310 | 51,225 | 2,475 | 49,988 | 523,700 | 10.22 |
| 76–77 | 0.052515 | 48,750 | 2,560 | 47,470 | 473,712 | 9.72 |
| 77–78 | 0.056247 | 46,190 | 2,598 | 44,891 | 426,242 | 9.23 |
| 78–79 | 0.061585 | 43,592 | 2,685 | 42,250 | 381,351 | 8.75 |
| 79–80 | 0.066505 | 40,908 | 2,721 | 39,547 | 339,101 | 8.29 |
| 80–81 | 0.072744 | 38,187 | 2,778 | 36,798 | 299,554 | 7.84 |
| 81–82 | 0.078178 | 35,409 | 2,768 | 34,025 | 262,756 | 7.42 |
| 82–83 | 0.087054 | 32,641 | 2,842 | 31,220 | 228,731 | 7.01 |
| 83–84 | 0.094336 | 29,799 | 2,811 | 28,394 | 197,510 | 6.63 |
| 84–85 | 0.102119 | 26,988 | 2,756 | 25,610 | 169,117 | 6.27 |
| 85–86 | 0.110420 | 24,232 | 2,676 | 22,894 | 143,506 | 5.92 |
| 86–87 | 0.119254 | 21,557 | 2,571 | 20,271 | 120,612 | 5.60 |
| 87–88 | 0.128631 | 18,986 | 2,442 | 17,765 | 100,341 | 5.29 |
| 88–89 | 0.138558 | 16,544 | 2,292 | 15,398 | 82,576 | 4.99 |
| 89–90 | 0.149040 | 14,251 | 2,124 | 13,189 | 67,179 | 4.71 |
| 90–91 | 0.160074 | 12,127 | 1,941 | 11,157 | 53,989 | 4.45 |
| 91–92 | 0.171654 | 10,186 | 1,748 | 9,312 | 42,833 | 4.20 |
| 92–93 | 0.183768 | 8,438 | 1,551 | 7,662 | 33,521 | 3.97 |
| 93–94 | 0.196398 | 6,887 | 1,353 | 6,211 | 25,858 | 3.75 |
| 94–95 | 0.209519 | 5,534 | 1,160 | 4,955 | 19,648 | 3.55 |
| 95–96 | 0.223100 | 4,375 | 976 | 3,887 | 14,693 | 3.36 |
| 96–97 | 0.237106 | 3,399 | 806 | 2,996 | 10,806 | 3.18 |
| 97–98 | 0.251492 | 2,593 | 652 | 2,267 | 7,810 | 3.01 |
| 98–99 | 0.266211 | 1,941 | 517 | 1,683 | 5,543 | 2.86 |
| 99–100 | 0.281207 | 1,424 | 400 | 1,224 | 3,861 | 2.71 |
| 100–101 | 0.296422 | 1,024 | 303 | 872 | 2,637 | 2.58 |
| 101–102 | 0.311795 | 720 | 225 | 608 | 1,765 | 2.45 |
| 102–103 | 0.327261 | 496 | 162 | 415 | 1,157 | 2.33 |
| 103–104 | 0.342753 | 333 | 114 | 276 | 742 | 2.23 |
| 104–105 | 0.358204 | 219 | 79 | 180 | 466 | 2.13 |
| 105–106 | 0.373548 | 141 | 53 | 114 | 286 | 2.03 |
| 106–107 | 0.388722 | 88 | 34 | 71 | 172 | 1.95 |
| 107–108 | 0.403663 | 54 | 22 | 43 | 101 | 1.87 |
| 108–109 | 0.418313 | 32 | 13 | 25 | 58 | 1.80 |
| 109–110 | 0.432621 | 19 | 8 | 15 | 32 | 1.73 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 9. Life table for black females: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table09.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.004638 | 100,000 | 464 | 274 | 7,791,825 | 77.92 |
| 1–7..... | 0.000993 | 99,536 | 99 | 1,635 | 7,791,551 | 78.28 |
| 7–28..... | 0.001399 | 99,437 | 139 | 5,717 | 7,789,916 | 78.34 |
| 28–365..... | 0.003651 | 99,298 | 363 | 91,514 | 7,784,199 | 78.39 |
| Years | | | | | | |
| 0–1..... | 0.010643 | 100,000 | 1,064 | 99,140 | 7,791,825 | 77.92 |
| 1–2..... | 0.000638 | 98,936 | 63 | 98,904 | 7,692,685 | 77.75 |
| 2–3..... | 0.000351 | 98,873 | 35 | 98,855 | 7,593,781 | 76.80 |
| 3–4..... | 0.000245 | 98,838 | 24 | 98,826 | 7,494,926 | 75.83 |
| 4–5..... | 0.000205 | 98,814 | 20 | 98,804 | 7,396,100 | 74.85 |
| 5–6..... | 0.000184 | 98,793 | 18 | 98,784 | 7,297,296 | 73.86 |
| 6–7..... | 0.000156 | 98,775 | 15 | 98,768 | 7,198,512 | 72.88 |
| 7–8..... | 0.000137 | 98,760 | 14 | 98,753 | 7,099,744 | 71.89 |
| 8–9..... | 0.000126 | 98,746 | 12 | 98,740 | 7,000,991 | 70.90 |
| 9–10..... | 0.000121 | 98,734 | 12 | 98,728 | 6,902,251 | 69.91 |
| 10–11..... | 0.000124 | 98,722 | 12 | 98,716 | 6,803,523 | 68.92 |
| 11–12..... | 0.000134 | 98,710 | 13 | 98,703 | 6,704,808 | 67.92 |
| 12–13..... | 0.000152 | 98,696 | 15 | 98,689 | 6,606,105 | 66.93 |
| 13–14..... | 0.000177 | 98,681 | 17 | 98,673 | 6,507,416 | 65.94 |
| 14–15..... | 0.000206 | 98,664 | 20 | 98,654 | 6,408,743 | 64.96 |
| 15–16..... | 0.000237 | 98,644 | 23 | 98,632 | 6,310,089 | 63.97 |
| 16–17..... | 0.000270 | 98,620 | 27 | 98,607 | 6,211,457 | 62.98 |
| 17–18..... | 0.000309 | 98,594 | 30 | 98,578 | 6,112,850 | 62.00 |
| 18–19..... | 0.000356 | 98,563 | 35 | 98,546 | 6,014,272 | 61.02 |
| 19–20..... | 0.000411 | 98,528 | 40 | 98,508 | 5,915,726 | 60.04 |
| 20–21..... | 0.000474 | 98,488 | 47 | 98,464 | 5,817,219 | 59.07 |
| 21–22..... | 0.000539 | 98,441 | 53 | 98,414 | 5,718,754 | 58.09 |
| 22–23..... | 0.000597 | 98,388 | 59 | 98,358 | 5,620,340 | 57.12 |
| 23–24..... | 0.000643 | 98,329 | 63 | 98,297 | 5,521,981 | 56.16 |
| 24–25..... | 0.000678 | 98,266 | 67 | 98,233 | 5,423,684 | 55.19 |
| 25–26..... | 0.000714 | 98,199 | 70 | 98,164 | 5,325,451 | 54.23 |
| 26–27..... | 0.000757 | 98,129 | 74 | 98,092 | 5,227,287 | 53.27 |
| 27–28..... | 0.000802 | 98,055 | 79 | 98,016 | 5,129,195 | 52.31 |
| 28–29..... | 0.000852 | 97,976 | 84 | 97,934 | 5,031,180 | 51.35 |
| 29–30..... | 0.000907 | 97,893 | 89 | 97,848 | 4,933,245 | 50.39 |
| 30–31..... | 0.000967 | 97,804 | 95 | 97,757 | 4,835,397 | 49.44 |
| 31–32..... | 0.001034 | 97,709 | 101 | 97,659 | 4,737,640 | 48.49 |
| 32–33..... | 0.001105 | 97,608 | 108 | 97,554 | 4,639,981 | 47.54 |
| 33–34..... | 0.001181 | 97,500 | 115 | 97,443 | 4,542,427 | 46.59 |
| 34–35..... | 0.001263 | 97,385 | 123 | 97,324 | 4,444,984 | 45.64 |
| 35–36..... | 0.001358 | 97,262 | 132 | 97,196 | 4,347,660 | 44.70 |
| 36–37..... | 0.001465 | 97,130 | 142 | 97,059 | 4,250,464 | 43.76 |
| 37–38..... | 0.001582 | 96,988 | 153 | 96,911 | 4,153,405 | 42.82 |
| 38–39..... | 0.001711 | 96,835 | 166 | 96,752 | 4,056,494 | 41.89 |
| 39–40..... | 0.001854 | 96,669 | 179 | 96,579 | 3,959,742 | 40.96 |
| 40–41..... | 0.002010 | 96,490 | 194 | 96,393 | 3,863,163 | 40.04 |
| 41–42..... | 0.002187 | 96,296 | 211 | 96,190 | 3,766,770 | 39.12 |
| 42–43..... | 0.002399 | 96,085 | 230 | 95,970 | 3,670,580 | 38.20 |
| 43–44..... | 0.002645 | 95,855 | 254 | 95,728 | 3,574,610 | 37.29 |
| 44–45..... | 0.002917 | 95,601 | 279 | 95,462 | 3,478,882 | 36.39 |
| 45–46..... | 0.003190 | 95,322 | 304 | 95,170 | 3,383,420 | 35.49 |
| 46–47..... | 0.003470 | 95,018 | 330 | 94,853 | 3,288,250 | 34.61 |
| 47–48..... | 0.003784 | 94,688 | 358 | 94,509 | 3,193,397 | 33.73 |
| 48–49..... | 0.004146 | 94,330 | 391 | 94,135 | 3,098,888 | 32.85 |
| 49–50..... | 0.004549 | 93,939 | 427 | 93,725 | 3,004,753 | 31.99 |
| 50–51..... | 0.004977 | 93,512 | 465 | 93,279 | 2,911,028 | 31.13 |
| 51–52..... | 0.005410 | 93,046 | 503 | 92,795 | 2,817,749 | 30.28 |
| 52–53..... | 0.005845 | 92,543 | 541 | 92,272 | 2,724,954 | 29.45 |

Table 9. Life table for black females: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table09.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.006282 | 92,002 | 578 | 91,713 | 2,632,682 | 28.62 |
| 54–55 | 0.006733 | 91,424 | 616 | 91,116 | 2,540,969 | 27.79 |
| 55–56 | 0.007222 | 90,808 | 656 | 90,481 | 2,449,853 | 26.98 |
| 56–57 | 0.007754 | 90,153 | 699 | 89,803 | 2,359,372 | 26.17 |
| 57–58 | 0.008312 | 89,454 | 744 | 89,082 | 2,269,569 | 25.37 |
| 58–59 | 0.008886 | 88,710 | 788 | 88,316 | 2,180,487 | 24.58 |
| 59–60 | 0.009479 | 87,922 | 833 | 87,505 | 2,092,171 | 23.80 |
| 60–61 | 0.010120 | 87,088 | 881 | 86,648 | 2,004,666 | 23.02 |
| 61–62 | 0.010824 | 86,207 | 933 | 85,741 | 1,918,018 | 22.25 |
| 62–63 | 0.011580 | 85,274 | 987 | 84,780 | 1,832,278 | 21.49 |
| 63–64 | 0.012403 | 84,286 | 1,045 | 83,764 | 1,747,498 | 20.73 |
| 64–65 | 0.013314 | 83,241 | 1,108 | 82,687 | 1,663,734 | 19.99 |
| 65–66 | 0.014353 | 82,133 | 1,179 | 81,543 | 1,581,047 | 19.25 |
| 66–67 | 0.015551 | 80,954 | 1,259 | 80,325 | 1,499,503 | 18.52 |
| 67–68 | 0.016817 | 79,695 | 1,340 | 79,025 | 1,419,179 | 17.81 |
| 68–69 | 0.018191 | 78,355 | 1,425 | 77,642 | 1,340,154 | 17.10 |
| 69–70 | 0.019611 | 76,930 | 1,509 | 76,175 | 1,262,512 | 16.41 |
| 70–71 | 0.021104 | 75,421 | 1,592 | 74,625 | 1,186,337 | 15.73 |
| 71–72 | 0.022810 | 73,829 | 1,684 | 72,987 | 1,111,712 | 15.06 |
| 72–73 | 0.024564 | 72,145 | 1,772 | 71,259 | 1,038,724 | 14.40 |
| 73–74 | 0.026551 | 70,373 | 1,869 | 69,439 | 967,465 | 13.75 |
| 74–75 | 0.029074 | 68,504 | 1,992 | 67,509 | 898,027 | 13.11 |
| 75–76 | 0.031534 | 66,513 | 2,097 | 65,464 | 830,518 | 12.49 |
| 76–77 | 0.034333 | 64,415 | 2,212 | 63,310 | 765,054 | 11.88 |
| 77–78 | 0.037383 | 62,204 | 2,325 | 61,041 | 701,745 | 11.28 |
| 78–79 | 0.041154 | 59,878 | 2,464 | 58,646 | 640,704 | 10.70 |
| 79–80 | 0.044676 | 57,414 | 2,565 | 56,132 | 582,057 | 10.14 |
| 80–81 | 0.049856 | 54,849 | 2,735 | 53,482 | 525,926 | 9.59 |
| 81–82 | 0.054796 | 52,115 | 2,856 | 50,687 | 472,444 | 9.07 |
| 82–83 | 0.059604 | 49,259 | 2,936 | 47,791 | 421,757 | 8.56 |
| 83–84 | 0.065450 | 46,323 | 3,032 | 44,807 | 373,966 | 8.07 |
| 84–85 | 0.072069 | 43,291 | 3,120 | 41,731 | 329,159 | 7.60 |
| 85–86 | 0.079268 | 40,171 | 3,184 | 38,579 | 287,428 | 7.16 |
| 86–87 | 0.087082 | 36,987 | 3,221 | 35,376 | 248,849 | 6.73 |
| 87–88 | 0.095540 | 33,766 | 3,226 | 32,153 | 213,473 | 6.32 |
| 88–89 | 0.104672 | 30,540 | 3,197 | 28,942 | 181,320 | 5.94 |
| 89–90 | 0.114502 | 27,343 | 3,131 | 25,778 | 152,379 | 5.57 |
| 90–91 | 0.125049 | 24,212 | 3,028 | 22,699 | 126,601 | 5.23 |
| 91–92 | 0.136328 | 21,185 | 2,888 | 19,741 | 103,902 | 4.90 |
| 92–93 | 0.148345 | 18,297 | 2,714 | 16,940 | 84,162 | 4.60 |
| 93–94 | 0.161100 | 15,582 | 2,510 | 14,327 | 67,222 | 4.31 |
| 94–95 | 0.174583 | 13,072 | 2,282 | 11,931 | 52,895 | 4.05 |
| 95–96 | 0.188772 | 10,790 | 2,037 | 9,772 | 40,964 | 3.80 |
| 96–97 | 0.203637 | 8,753 | 1,782 | 7,862 | 31,192 | 3.56 |
| 97–98 | 0.219137 | 6,971 | 1,528 | 6,207 | 23,330 | 3.35 |
| 98–99 | 0.235216 | 5,443 | 1,280 | 4,803 | 17,124 | 3.15 |
| 99–100 | 0.251812 | 4,163 | 1,048 | 3,639 | 12,321 | 2.96 |
| 100–101 | 0.268849 | 3,115 | 837 | 2,696 | 8,682 | 2.79 |
| 101–102 | 0.286244 | 2,277 | 652 | 1,951 | 5,986 | 2.63 |
| 102–103 | 0.303904 | 1,625 | 494 | 1,378 | 4,035 | 2.48 |
| 103–104 | 0.321732 | 1,131 | 364 | 949 | 2,656 | 2.35 |
| 104–105 | 0.339626 | 767 | 261 | 637 | 1,707 | 2.22 |
| 105–106 | 0.357485 | 507 | 181 | 416 | 1,070 | 2.11 |
| 106–107 | 0.375205 | 326 | 122 | 265 | 654 | 2.01 |
| 107–108 | 0.392688 | 203 | 80 | 163 | 389 | 1.91 |
| 108–109 | 0.409841 | 124 | 51 | 98 | 226 | 1.83 |
| 109–110 | 0.426576 | 73 | 31 | 57 | 127 | 1.75 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 10. Life table for the Hispanic population: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table10.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.002173 | 100,000 | 217 | 274 | 8,158,533 | 81.59 |
| 1–7..... | 0.000731 | 99,783 | 73 | 1,640 | 8,158,259 | 81.76 |
| 7–28..... | 0.000689 | 99,710 | 69 | 5,735 | 8,156,619 | 81.80 |
| 28–365..... | 0.001610 | 99,641 | 160 | 91,923 | 8,150,885 | 81.80 |
| Years | | | | | | |
| 0–1..... | 0.005193 | 100,000 | 519 | 99,572 | 8,158,533 | 81.59 |
| 1–2..... | 0.000377 | 99,481 | 37 | 99,462 | 8,058,961 | 81.01 |
| 2–3..... | 0.000244 | 99,443 | 24 | 99,431 | 7,959,499 | 80.04 |
| 3–4..... | 0.000184 | 99,419 | 18 | 99,410 | 7,860,068 | 79.06 |
| 4–5..... | 0.000147 | 99,401 | 15 | 99,393 | 7,760,658 | 78.08 |
| 5–6..... | 0.000128 | 99,386 | 13 | 99,380 | 7,661,265 | 77.09 |
| 6–7..... | 0.000112 | 99,373 | 11 | 99,368 | 7,561,885 | 76.10 |
| 7–8..... | 0.000099 | 99,362 | 10 | 99,357 | 7,462,518 | 75.10 |
| 8–9..... | 0.000087 | 99,352 | 9 | 99,348 | 7,363,160 | 74.11 |
| 9–10..... | 0.000078 | 99,344 | 8 | 99,340 | 7,263,812 | 73.12 |
| 10–11..... | 0.000073 | 99,336 | 7 | 99,332 | 7,164,472 | 72.12 |
| 11–12..... | 0.000079 | 99,329 | 8 | 99,325 | 7,065,140 | 71.13 |
| 12–13..... | 0.000104 | 99,321 | 10 | 99,316 | 6,965,815 | 70.13 |
| 13–14..... | 0.000152 | 99,311 | 15 | 99,303 | 6,866,499 | 69.14 |
| 14–15..... | 0.000216 | 99,295 | 21 | 99,285 | 6,767,196 | 68.15 |
| 15–16..... | 0.000286 | 99,274 | 28 | 99,260 | 6,667,912 | 67.17 |
| 16–17..... | 0.000353 | 99,246 | 35 | 99,228 | 6,568,652 | 66.19 |
| 17–18..... | 0.000418 | 99,211 | 41 | 99,190 | 6,469,424 | 65.21 |
| 18–19..... | 0.000477 | 99,169 | 47 | 99,146 | 6,370,234 | 64.24 |
| 19–20..... | 0.000533 | 99,122 | 53 | 99,095 | 6,271,089 | 63.27 |
| 20–21..... | 0.000592 | 99,069 | 59 | 99,040 | 6,171,993 | 62.30 |
| 21–22..... | 0.000650 | 99,010 | 64 | 98,978 | 6,072,953 | 61.34 |
| 22–23..... | 0.000691 | 98,946 | 68 | 98,912 | 5,973,975 | 60.38 |
| 23–24..... | 0.000711 | 98,878 | 70 | 98,842 | 5,875,063 | 59.42 |
| 24–25..... | 0.000713 | 98,807 | 70 | 98,772 | 5,776,221 | 58.46 |
| 25–26..... | 0.000709 | 98,737 | 70 | 98,702 | 5,677,449 | 57.50 |
| 26–27..... | 0.000708 | 98,667 | 70 | 98,632 | 5,578,747 | 56.54 |
| 27–28..... | 0.000710 | 98,597 | 70 | 98,562 | 5,480,115 | 55.58 |
| 28–29..... | 0.000720 | 98,527 | 71 | 98,491 | 5,381,553 | 54.62 |
| 29–30..... | 0.000736 | 98,456 | 72 | 98,420 | 5,283,062 | 53.66 |
| 30–31..... | 0.000754 | 98,384 | 74 | 98,346 | 5,184,642 | 52.70 |
| 31–32..... | 0.000772 | 98,309 | 76 | 98,271 | 5,086,296 | 51.74 |
| 32–33..... | 0.000793 | 98,233 | 78 | 98,195 | 4,988,024 | 50.78 |
| 33–34..... | 0.000815 | 98,156 | 80 | 98,116 | 4,889,830 | 49.82 |
| 34–35..... | 0.000842 | 98,076 | 83 | 98,034 | 4,791,714 | 48.86 |
| 35–36..... | 0.000873 | 97,993 | 86 | 97,950 | 4,693,680 | 47.90 |
| 36–37..... | 0.000913 | 97,907 | 89 | 97,863 | 4,595,730 | 46.94 |
| 37–38..... | 0.000963 | 97,818 | 94 | 97,771 | 4,497,867 | 45.98 |
| 38–39..... | 0.001026 | 97,724 | 100 | 97,674 | 4,400,096 | 45.03 |
| 39–40..... | 0.001102 | 97,624 | 108 | 97,570 | 4,302,422 | 44.07 |
| 40–41..... | 0.001187 | 97,516 | 116 | 97,458 | 4,204,852 | 43.12 |
| 41–42..... | 0.001285 | 97,400 | 125 | 97,338 | 4,107,394 | 42.17 |
| 42–43..... | 0.001409 | 97,275 | 137 | 97,207 | 4,010,056 | 41.22 |
| 43–44..... | 0.001564 | 97,138 | 152 | 97,062 | 3,912,850 | 40.28 |
| 44–45..... | 0.001745 | 96,986 | 169 | 96,901 | 3,815,788 | 39.34 |
| 45–46..... | 0.001943 | 96,817 | 188 | 96,723 | 3,718,886 | 38.41 |
| 46–47..... | 0.002151 | 96,629 | 208 | 96,525 | 3,622,164 | 37.49 |
| 47–48..... | 0.002369 | 96,421 | 228 | 96,307 | 3,525,639 | 36.57 |
| 48–49..... | 0.002596 | 96,192 | 250 | 96,068 | 3,429,332 | 35.65 |
| 49–50..... | 0.002836 | 95,943 | 272 | 95,807 | 3,333,265 | 34.74 |
| 50–51..... | 0.003098 | 95,671 | 296 | 95,522 | 3,237,458 | 33.84 |
| 51–52..... | 0.003382 | 95,374 | 323 | 95,213 | 3,141,936 | 32.94 |
| 52–53..... | 0.003682 | 95,052 | 350 | 94,877 | 3,046,723 | 32.05 |

Table 10. Life table for the Hispanic population: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table10.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.003996 | 94,702 | 378 | 94,512 | 2,951,846 | 31.17 |
| 54–55 | 0.004329 | 94,323 | 408 | 94,119 | 2,857,334 | 30.29 |
| 55–56 | 0.004689 | 93,915 | 440 | 93,695 | 2,763,215 | 29.42 |
| 56–57 | 0.005086 | 93,475 | 475 | 93,237 | 2,669,520 | 28.56 |
| 57–58 | 0.005514 | 92,999 | 513 | 92,743 | 2,576,283 | 27.70 |
| 58–59 | 0.005972 | 92,486 | 552 | 92,210 | 2,483,540 | 26.85 |
| 59–60 | 0.006454 | 91,934 | 593 | 91,637 | 2,391,330 | 26.01 |
| 60–61 | 0.006978 | 91,341 | 637 | 91,022 | 2,299,693 | 25.18 |
| 61–62 | 0.007538 | 90,703 | 684 | 90,361 | 2,208,671 | 24.35 |
| 62–63 | 0.008114 | 90,020 | 730 | 89,654 | 2,118,309 | 23.53 |
| 63–64 | 0.008704 | 89,289 | 777 | 88,901 | 2,028,655 | 22.72 |
| 64–65 | 0.009332 | 88,512 | 826 | 88,099 | 1,939,754 | 21.92 |
| 65–66 | 0.010030 | 87,686 | 880 | 87,246 | 1,851,655 | 21.12 |
| 66–67 | 0.010832 | 86,807 | 940 | 86,336 | 1,764,409 | 20.33 |
| 67–68 | 0.011742 | 85,866 | 1,008 | 85,362 | 1,678,073 | 19.54 |
| 68–69 | 0.012756 | 84,858 | 1,082 | 84,317 | 1,592,711 | 18.77 |
| 69–70 | 0.013861 | 83,776 | 1,161 | 83,195 | 1,508,394 | 18.01 |
| 70–71 | 0.015037 | 82,614 | 1,242 | 81,993 | 1,425,199 | 17.25 |
| 71–72 | 0.016330 | 81,372 | 1,329 | 80,708 | 1,343,206 | 16.51 |
| 72–73 | 0.017806 | 80,043 | 1,425 | 79,331 | 1,262,498 | 15.77 |
| 73–74 | 0.019538 | 78,618 | 1,536 | 77,850 | 1,183,167 | 15.05 |
| 74–75 | 0.021543 | 77,082 | 1,661 | 76,252 | 1,105,317 | 14.34 |
| 75–76 | 0.023709 | 75,421 | 1,788 | 74,527 | 1,029,066 | 13.64 |
| 76–77 | 0.026068 | 73,633 | 1,919 | 72,673 | 954,538 | 12.96 |
| 77–78 | 0.028797 | 71,714 | 2,065 | 70,681 | 881,865 | 12.30 |
| 78–79 | 0.031953 | 69,649 | 2,225 | 68,536 | 811,184 | 11.65 |
| 79–80 | 0.035395 | 67,423 | 2,386 | 66,230 | 742,648 | 11.02 |
| 80–81 | 0.039175 | 65,037 | 2,548 | 63,763 | 676,418 | 10.40 |
| 81–82 | 0.043220 | 62,489 | 2,701 | 61,138 | 612,655 | 9.80 |
| 82–83 | 0.047969 | 59,788 | 2,868 | 58,354 | 551,517 | 9.23 |
| 83–84 | 0.053116 | 56,920 | 3,023 | 55,408 | 493,163 | 8.66 |
| 84–85 | 0.059418 | 53,897 | 3,202 | 52,296 | 437,754 | 8.12 |
| 85–86 | 0.066418 | 50,694 | 3,367 | 49,011 | 385,459 | 7.60 |
| 86–87 | 0.073952 | 47,327 | 3,500 | 45,577 | 336,448 | 7.11 |
| 87–88 | 0.082628 | 43,827 | 3,621 | 42,017 | 290,871 | 6.64 |
| 88–89 | 0.092294 | 40,206 | 3,711 | 38,351 | 248,854 | 6.19 |
| 89–90 | 0.102866 | 36,495 | 3,754 | 34,618 | 210,503 | 5.77 |
| 90–91 | 0.114378 | 32,741 | 3,745 | 30,869 | 175,885 | 5.37 |
| 91–92 | 0.126850 | 28,996 | 3,678 | 27,157 | 145,017 | 5.00 |
| 92–93 | 0.140290 | 25,318 | 3,552 | 23,542 | 117,859 | 4.66 |
| 93–94 | 0.154688 | 21,766 | 3,367 | 20,083 | 94,317 | 4.33 |
| 94–95 | 0.170019 | 18,399 | 3,128 | 16,835 | 74,235 | 4.04 |
| 95–96 | 0.186234 | 15,271 | 2,844 | 13,849 | 57,399 | 3.76 |
| 96–97 | 0.203265 | 12,427 | 2,526 | 11,164 | 43,550 | 3.50 |
| 97–98 | 0.221021 | 9,901 | 2,188 | 8,807 | 32,386 | 3.27 |
| 98–99 | 0.239392 | 7,713 | 1,846 | 6,790 | 23,580 | 3.06 |
| 99–100 | 0.258248 | 5,866 | 1,515 | 5,109 | 16,790 | 2.86 |
| 100–101 | 0.277445 | 4,351 | 1,207 | 3,748 | 11,681 | 2.68 |
| 101–102 | 0.296828 | 3,144 | 933 | 2,677 | 7,933 | 2.52 |
| 102–103 | 0.316234 | 2,211 | 699 | 1,861 | 5,256 | 2.38 |
| 103–104 | 0.335501 | 1,512 | 507 | 1,258 | 3,395 | 2.25 |
| 104–105 | 0.354470 | 1,005 | 356 | 826 | 2,137 | 2.13 |
| 105–106 | 0.372993 | 648 | 242 | 528 | 1,310 | 2.02 |
| 106–107 | 0.390935 | 407 | 159 | 327 | 782 | 1.93 |
| 107–108 | 0.408179 | 248 | 101 | 197 | 455 | 1.84 |
| 108–109 | 0.424630 | 147 | 62 | 115 | 258 | 1.76 |
| 109–110 | 0.440210 | 84 | 37 | 66 | 143 | 1.69 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 11. Life table for Hispanic males: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table11.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.002347 | 100,000 | 235 | 274 | 7,882,852 | 78.83 |
| 1–7..... | 0.000773 | 99,765 | 77 | 1,639 | 7,882,578 | 79.01 |
| 7–28..... | 0.000724 | 99,688 | 72 | 5,733 | 7,880,939 | 79.06 |
| 28–365..... | 0.001763 | 99,616 | 176 | 91,893 | 7,875,205 | 79.06 |
| Years | | | | | | |
| 0–1..... | 0.005597 | 100,000 | 560 | 99,540 | 7,882,852 | 78.83 |
| 1–2..... | 0.000373 | 99,440 | 37 | 99,422 | 7,783,312 | 78.27 |
| 2–3..... | 0.000267 | 99,403 | 27 | 99,390 | 7,683,891 | 77.30 |
| 3–4..... | 0.000199 | 99,377 | 20 | 99,367 | 7,584,501 | 76.32 |
| 4–5..... | 0.000164 | 99,357 | 16 | 99,349 | 7,485,134 | 75.34 |
| 5–6..... | 0.000138 | 99,341 | 14 | 99,334 | 7,385,785 | 74.35 |
| 6–7..... | 0.000120 | 99,327 | 12 | 99,321 | 7,286,451 | 73.36 |
| 7–8..... | 0.000106 | 99,315 | 11 | 99,310 | 7,187,130 | 72.37 |
| 8–9..... | 0.000090 | 99,305 | 9 | 99,300 | 7,087,820 | 71.37 |
| 9–10..... | 0.000074 | 99,296 | 7 | 99,292 | 6,988,520 | 70.38 |
| 10–11..... | 0.000064 | 99,288 | 6 | 99,285 | 6,889,228 | 69.39 |
| 11–12..... | 0.000070 | 99,282 | 7 | 99,278 | 6,789,943 | 68.39 |
| 12–13..... | 0.000106 | 99,275 | 10 | 99,270 | 6,690,665 | 67.40 |
| 13–14..... | 0.000179 | 99,265 | 18 | 99,256 | 6,591,395 | 66.40 |
| 14–15..... | 0.000278 | 99,247 | 28 | 99,233 | 6,492,139 | 65.41 |
| 15–16..... | 0.000385 | 99,219 | 38 | 99,200 | 6,392,906 | 64.43 |
| 16–17..... | 0.000488 | 99,181 | 48 | 99,157 | 6,293,706 | 63.46 |
| 17–18..... | 0.000585 | 99,133 | 58 | 99,104 | 6,194,549 | 62.49 |
| 18–19..... | 0.000674 | 99,075 | 67 | 99,041 | 6,095,446 | 61.52 |
| 19–20..... | 0.000755 | 99,008 | 75 | 98,971 | 5,996,404 | 60.56 |
| 20–21..... | 0.000838 | 98,933 | 83 | 98,892 | 5,897,434 | 59.61 |
| 21–22..... | 0.000919 | 98,850 | 91 | 98,805 | 5,798,542 | 58.66 |
| 22–23..... | 0.000977 | 98,759 | 97 | 98,711 | 5,699,737 | 57.71 |
| 23–24..... | 0.001007 | 98,663 | 99 | 98,613 | 5,601,026 | 56.77 |
| 24–25..... | 0.001014 | 98,564 | 100 | 98,514 | 5,502,413 | 55.83 |
| 25–26..... | 0.001013 | 98,464 | 100 | 98,414 | 5,403,899 | 54.88 |
| 26–27..... | 0.001014 | 98,364 | 100 | 98,314 | 5,305,486 | 53.94 |
| 27–28..... | 0.001018 | 98,264 | 100 | 98,214 | 5,207,172 | 52.99 |
| 28–29..... | 0.001029 | 98,164 | 101 | 98,114 | 5,108,958 | 52.05 |
| 29–30..... | 0.001047 | 98,063 | 103 | 98,012 | 5,010,844 | 51.10 |
| 30–31..... | 0.001067 | 97,960 | 105 | 97,908 | 4,912,832 | 50.15 |
| 31–32..... | 0.001087 | 97,856 | 106 | 97,803 | 4,814,924 | 49.20 |
| 32–33..... | 0.001111 | 97,749 | 109 | 97,695 | 4,717,122 | 48.26 |
| 33–34..... | 0.001138 | 97,641 | 111 | 97,585 | 4,619,427 | 47.31 |
| 34–35..... | 0.001170 | 97,530 | 114 | 97,473 | 4,521,842 | 46.36 |
| 35–36..... | 0.001210 | 97,415 | 118 | 97,357 | 4,424,369 | 45.42 |
| 36–37..... | 0.001258 | 97,298 | 122 | 97,236 | 4,327,013 | 44.47 |
| 37–38..... | 0.001319 | 97,175 | 128 | 97,111 | 4,229,776 | 43.53 |
| 38–39..... | 0.001396 | 97,047 | 135 | 96,979 | 4,132,665 | 42.58 |
| 39–40..... | 0.001488 | 96,912 | 144 | 96,840 | 4,035,685 | 41.64 |
| 40–41..... | 0.001591 | 96,767 | 154 | 96,690 | 3,938,846 | 40.70 |
| 41–42..... | 0.001710 | 96,613 | 165 | 96,531 | 3,842,156 | 39.77 |
| 42–43..... | 0.001856 | 96,448 | 179 | 96,359 | 3,745,625 | 38.84 |
| 43–44..... | 0.002036 | 96,269 | 196 | 96,171 | 3,649,266 | 37.91 |
| 44–45..... | 0.002246 | 96,073 | 216 | 95,965 | 3,553,095 | 36.98 |
| 45–46..... | 0.002476 | 95,857 | 237 | 95,739 | 3,457,130 | 36.07 |
| 46–47..... | 0.002722 | 95,620 | 260 | 95,490 | 3,361,391 | 35.15 |
| 47–48..... | 0.002991 | 95,360 | 285 | 95,217 | 3,265,901 | 34.25 |
| 48–49..... | 0.003286 | 95,075 | 312 | 94,918 | 3,170,684 | 33.35 |
| 49–50..... | 0.003608 | 94,762 | 342 | 94,591 | 3,075,765 | 32.46 |
| 50–51..... | 0.003963 | 94,420 | 374 | 94,233 | 2,981,174 | 31.57 |
| 51–52..... | 0.004347 | 94,046 | 409 | 93,842 | 2,886,941 | 30.70 |
| 52–53..... | 0.004756 | 93,637 | 445 | 93,415 | 2,793,099 | 29.83 |

Table 11. Life table for Hispanic males: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table11.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.005188 | 93,192 | 484 | 92,950 | 2,699,685 | 28.97 |
| 54–55 | 0.005648 | 92,708 | 524 | 92,447 | 2,606,734 | 28.12 |
| 55–56 | 0.006155 | 92,185 | 567 | 91,901 | 2,514,288 | 27.27 |
| 56–57 | 0.006712 | 91,617 | 615 | 91,310 | 2,422,387 | 26.44 |
| 57–58 | 0.007290 | 91,002 | 663 | 90,671 | 2,331,077 | 25.62 |
| 58–59 | 0.007867 | 90,339 | 711 | 89,984 | 2,240,406 | 24.80 |
| 59–60 | 0.008443 | 89,628 | 757 | 89,250 | 2,150,423 | 23.99 |
| 60–61 | 0.009048 | 88,872 | 804 | 88,469 | 2,061,173 | 23.19 |
| 61–62 | 0.009704 | 88,067 | 855 | 87,640 | 1,972,703 | 22.40 |
| 62–63 | 0.010404 | 87,213 | 907 | 86,759 | 1,885,063 | 21.61 |
| 63–64 | 0.011171 | 86,305 | 964 | 85,823 | 1,798,304 | 20.84 |
| 64–65 | 0.012032 | 85,341 | 1,027 | 84,828 | 1,712,481 | 20.07 |
| 65–66 | 0.013002 | 84,314 | 1,096 | 83,766 | 1,627,653 | 19.30 |
| 66–67 | 0.014097 | 83,218 | 1,173 | 82,632 | 1,543,886 | 18.55 |
| 67–68 | 0.015330 | 82,045 | 1,258 | 81,416 | 1,461,255 | 17.81 |
| 68–69 | 0.016673 | 80,787 | 1,347 | 80,114 | 1,379,839 | 17.08 |
| 69–70 | 0.018099 | 79,440 | 1,438 | 78,721 | 1,299,725 | 16.36 |
| 70–71 | 0.019601 | 78,003 | 1,529 | 77,238 | 1,221,003 | 15.65 |
| 71–72 | 0.021227 | 76,474 | 1,623 | 75,662 | 1,143,765 | 14.96 |
| 72–73 | 0.023021 | 74,850 | 1,723 | 73,989 | 1,068,103 | 14.27 |
| 73–74 | 0.025063 | 73,127 | 1,833 | 72,211 | 994,114 | 13.59 |
| 74–75 | 0.027382 | 71,294 | 1,952 | 70,318 | 921,904 | 12.93 |
| 75–76 | 0.029862 | 69,342 | 2,071 | 68,307 | 851,585 | 12.28 |
| 76–77 | 0.032540 | 67,272 | 2,189 | 66,177 | 783,278 | 11.64 |
| 77–78 | 0.035698 | 65,083 | 2,323 | 63,921 | 717,101 | 11.02 |
| 78–79 | 0.039472 | 62,759 | 2,477 | 61,521 | 653,181 | 10.41 |
| 79–80 | 0.043636 | 60,282 | 2,630 | 58,967 | 591,660 | 9.81 |
| 80–81 | 0.048621 | 57,652 | 2,803 | 56,250 | 532,693 | 9.24 |
| 81–82 | 0.053992 | 54,848 | 2,961 | 53,368 | 476,443 | 8.69 |
| 82–83 | 0.059769 | 51,887 | 3,101 | 50,336 | 423,075 | 8.15 |
| 83–84 | 0.065939 | 48,786 | 3,217 | 47,177 | 372,739 | 7.64 |
| 84–85 | 0.073438 | 45,569 | 3,347 | 43,896 | 325,562 | 7.14 |
| 85–86 | 0.081787 | 42,222 | 3,453 | 40,496 | 281,666 | 6.67 |
| 86–87 | 0.090824 | 38,769 | 3,521 | 37,009 | 241,170 | 6.22 |
| 87–88 | 0.101896 | 35,248 | 3,592 | 33,452 | 204,161 | 5.79 |
| 88–89 | 0.113394 | 31,656 | 3,590 | 29,862 | 170,709 | 5.39 |
| 89–90 | 0.125868 | 28,067 | 3,533 | 26,300 | 140,848 | 5.02 |
| 90–91 | 0.139329 | 24,534 | 3,418 | 22,825 | 114,547 | 4.67 |
| 91–92 | 0.153770 | 21,116 | 3,247 | 19,492 | 91,722 | 4.34 |
| 92–93 | 0.169169 | 17,869 | 3,023 | 16,357 | 72,230 | 4.04 |
| 93–94 | 0.185479 | 14,846 | 2,754 | 13,469 | 55,873 | 3.76 |
| 94–95 | 0.202635 | 12,092 | 2,450 | 10,867 | 42,404 | 3.51 |
| 95–96 | 0.220548 | 9,642 | 2,127 | 8,579 | 31,536 | 3.27 |
| 96–97 | 0.239108 | 7,515 | 1,797 | 6,617 | 22,958 | 3.05 |
| 97–98 | 0.258186 | 5,718 | 1,476 | 4,980 | 16,341 | 2.86 |
| 98–99 | 0.277636 | 4,242 | 1,178 | 3,653 | 11,360 | 2.68 |
| 99–100 | 0.297300 | 3,064 | 911 | 2,609 | 7,707 | 2.52 |
| 100–101 | 0.317011 | 2,153 | 683 | 1,812 | 5,098 | 2.37 |
| 101–102 | 0.336604 | 1,471 | 495 | 1,223 | 3,286 | 2.23 |
| 102–103 | 0.355914 | 976 | 347 | 802 | 2,063 | 2.11 |
| 103–104 | 0.374788 | 628 | 236 | 511 | 1,261 | 2.01 |
| 104–105 | 0.393084 | 393 | 154 | 316 | 751 | 1.91 |
| 105–106 | 0.410682 | 238 | 98 | 189 | 435 | 1.82 |
| 106–107 | 0.427478 | 141 | 60 | 110 | 246 | 1.75 |
| 107–108 | 0.443392 | 80 | 36 | 63 | 135 | 1.68 |
| 108–109 | 0.458368 | 45 | 21 | 35 | 72 | 1.62 |
| 109–110 | 0.472368 | 24 | 11 | 19 | 38 | 1.56 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 12. Life table for Hispanic females: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table12.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | nq_x | l_x | $n d_x$ | nL_x | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.001991 | 100,000 | 199 | 274 | 8,405,225 | 84.05 |
| 1–7..... | 0.000687 | 99,801 | 69 | 1,640 | 8,404,951 | 84.22 |
| 7–28..... | 0.000653 | 99,732 | 65 | 5,736 | 8,403,311 | 84.26 |
| 28–365..... | 0.001450 | 99,667 | 145 | 91,955 | 8,397,575 | 84.26 |
| Years | | | | | | |
| 0–1..... | 0.004773 | 100,000 | 477 | 99,605 | 8,405,225 | 84.05 |
| 1–2..... | 0.000374 | 99,523 | 37 | 99,504 | 8,305,621 | 83.45 |
| 2–3..... | 0.000216 | 99,485 | 22 | 99,475 | 8,206,117 | 82.49 |
| 3–4..... | 0.000164 | 99,464 | 16 | 99,456 | 8,106,642 | 81.50 |
| 4–5..... | 0.000126 | 99,448 | 12 | 99,441 | 8,007,186 | 80.52 |
| 5–6..... | 0.000116 | 99,435 | 12 | 99,429 | 7,907,745 | 79.53 |
| 6–7..... | 0.000101 | 99,424 | 10 | 99,419 | 7,808,315 | 78.54 |
| 7–8..... | 0.000090 | 99,414 | 9 | 99,409 | 7,708,897 | 77.54 |
| 8–9..... | 0.000083 | 99,405 | 8 | 99,401 | 7,609,488 | 76.55 |
| 9–10..... | 0.000080 | 99,396 | 8 | 99,392 | 7,510,087 | 75.56 |
| 10–11..... | 0.000080 | 99,389 | 8 | 99,385 | 7,410,695 | 74.56 |
| 11–12..... | 0.000086 | 99,381 | 9 | 99,376 | 7,311,310 | 73.57 |
| 12–13..... | 0.000100 | 99,372 | 10 | 99,367 | 7,211,934 | 72.58 |
| 13–14..... | 0.000122 | 99,362 | 12 | 99,356 | 7,112,567 | 71.58 |
| 14–15..... | 0.000149 | 99,350 | 15 | 99,343 | 7,013,211 | 70.59 |
| 15–16..... | 0.000179 | 99,335 | 18 | 99,326 | 6,913,868 | 69.60 |
| 16–17..... | 0.000209 | 99,317 | 21 | 99,307 | 6,814,542 | 68.61 |
| 17–18..... | 0.000237 | 99,297 | 24 | 99,285 | 6,715,235 | 67.63 |
| 18–19..... | 0.000262 | 99,273 | 26 | 99,260 | 6,615,950 | 66.64 |
| 19–20..... | 0.000284 | 99,247 | 28 | 99,233 | 6,516,690 | 65.66 |
| 20–21..... | 0.000308 | 99,219 | 31 | 99,203 | 6,417,458 | 64.68 |
| 21–22..... | 0.000333 | 99,188 | 33 | 99,172 | 6,318,254 | 63.70 |
| 22–23..... | 0.000351 | 99,155 | 35 | 99,138 | 6,219,082 | 62.72 |
| 23–24..... | 0.000360 | 99,120 | 36 | 99,103 | 6,119,945 | 61.74 |
| 24–25..... | 0.000362 | 99,085 | 36 | 99,067 | 6,020,842 | 60.76 |
| 25–26..... | 0.000362 | 99,049 | 36 | 99,031 | 5,921,775 | 59.79 |
| 26–27..... | 0.000364 | 99,013 | 36 | 98,995 | 5,822,744 | 58.81 |
| 27–28..... | 0.000369 | 98,977 | 36 | 98,959 | 5,723,749 | 57.83 |
| 28–29..... | 0.000379 | 98,941 | 37 | 98,922 | 5,624,791 | 56.85 |
| 29–30..... | 0.000393 | 98,903 | 39 | 98,884 | 5,525,869 | 55.87 |
| 30–31..... | 0.000410 | 98,864 | 41 | 98,844 | 5,426,985 | 54.89 |
| 31–32..... | 0.000428 | 98,824 | 42 | 98,803 | 5,328,141 | 53.92 |
| 32–33..... | 0.000448 | 98,781 | 44 | 98,759 | 5,229,339 | 52.94 |
| 33–34..... | 0.000469 | 98,737 | 46 | 98,714 | 5,130,579 | 51.96 |
| 34–35..... | 0.000493 | 98,691 | 49 | 98,667 | 5,031,865 | 50.99 |
| 35–36..... | 0.000522 | 98,642 | 51 | 98,616 | 4,933,199 | 50.01 |
| 36–37..... | 0.000557 | 98,591 | 55 | 98,563 | 4,834,582 | 49.04 |
| 37–38..... | 0.000598 | 98,536 | 59 | 98,506 | 4,736,019 | 48.06 |
| 38–39..... | 0.000647 | 98,477 | 64 | 98,445 | 4,637,513 | 47.09 |
| 39–40..... | 0.000705 | 98,413 | 69 | 98,379 | 4,539,068 | 46.12 |
| 40–41..... | 0.000769 | 98,344 | 76 | 98,306 | 4,440,689 | 45.15 |
| 41–42..... | 0.000843 | 98,268 | 83 | 98,227 | 4,342,383 | 44.19 |
| 42–43..... | 0.000942 | 98,185 | 93 | 98,139 | 4,244,156 | 43.23 |
| 43–44..... | 0.001072 | 98,093 | 105 | 98,040 | 4,146,017 | 42.27 |
| 44–45..... | 0.001224 | 97,988 | 120 | 97,928 | 4,047,977 | 41.31 |
| 45–46..... | 0.001391 | 97,868 | 136 | 97,800 | 3,950,049 | 40.36 |
| 46–47..... | 0.001562 | 97,732 | 153 | 97,655 | 3,852,249 | 39.42 |
| 47–48..... | 0.001730 | 97,579 | 169 | 97,495 | 3,754,594 | 38.48 |
| 48–49..... | 0.001892 | 97,410 | 184 | 97,318 | 3,657,100 | 37.54 |
| 49–50..... | 0.002052 | 97,226 | 200 | 97,126 | 3,559,782 | 36.61 |
| 50–51..... | 0.002225 | 97,026 | 216 | 96,918 | 3,462,655 | 35.69 |
| 51–52..... | 0.002416 | 96,810 | 234 | 96,694 | 3,365,737 | 34.77 |
| 52–53..... | 0.002615 | 96,577 | 253 | 96,450 | 3,269,044 | 33.85 |

Table 12. Life table for Hispanic females: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table12.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.002825 | 96,324 | 272 | 96,188 | 3,172,593 | 32.94 |
| 54–55 | 0.003047 | 96,052 | 293 | 95,906 | 3,076,405 | 32.03 |
| 55–56 | 0.003284 | 95,759 | 314 | 95,602 | 2,980,500 | 31.12 |
| 56–57 | 0.003547 | 95,445 | 339 | 95,276 | 2,884,898 | 30.23 |
| 57–58 | 0.003856 | 95,106 | 367 | 94,923 | 2,789,622 | 29.33 |
| 58–59 | 0.004220 | 94,740 | 400 | 94,540 | 2,694,699 | 28.44 |
| 59–60 | 0.004632 | 94,340 | 437 | 94,121 | 2,600,160 | 27.56 |
| 60–61 | 0.005096 | 93,903 | 479 | 93,664 | 2,506,038 | 26.69 |
| 61–62 | 0.005588 | 93,424 | 522 | 93,163 | 2,412,375 | 25.82 |
| 62–63 | 0.006075 | 92,902 | 564 | 92,620 | 2,319,211 | 24.96 |
| 63–64 | 0.006539 | 92,338 | 604 | 92,036 | 2,226,591 | 24.11 |
| 64–65 | 0.007003 | 91,734 | 642 | 91,413 | 2,134,555 | 23.27 |
| 65–66 | 0.007520 | 91,092 | 685 | 90,749 | 2,043,142 | 22.43 |
| 66–67 | 0.008128 | 90,407 | 735 | 90,039 | 1,952,393 | 21.60 |
| 67–68 | 0.008823 | 89,672 | 791 | 89,276 | 1,862,354 | 20.77 |
| 68–69 | 0.009610 | 88,881 | 854 | 88,454 | 1,773,078 | 19.95 |
| 69–70 | 0.010487 | 88,027 | 923 | 87,565 | 1,684,624 | 19.14 |
| 70–71 | 0.011431 | 87,103 | 996 | 86,606 | 1,597,059 | 18.34 |
| 71–72 | 0.012492 | 86,108 | 1,076 | 85,570 | 1,510,453 | 17.54 |
| 72–73 | 0.013757 | 85,032 | 1,170 | 84,447 | 1,424,884 | 16.76 |
| 73–74 | 0.015302 | 83,862 | 1,283 | 83,221 | 1,340,436 | 15.98 |
| 74–75 | 0.017135 | 82,579 | 1,415 | 81,872 | 1,257,216 | 15.22 |
| 75–76 | 0.019136 | 81,164 | 1,553 | 80,387 | 1,175,344 | 14.48 |
| 76–77 | 0.021321 | 79,611 | 1,697 | 78,762 | 1,094,957 | 13.75 |
| 77–78 | 0.023822 | 77,914 | 1,856 | 76,986 | 1,016,194 | 13.04 |
| 78–79 | 0.026653 | 76,058 | 2,027 | 75,044 | 939,209 | 12.35 |
| 79–80 | 0.029756 | 74,030 | 2,203 | 72,929 | 864,165 | 11.67 |
| 80–81 | 0.032927 | 71,827 | 2,365 | 70,645 | 791,236 | 11.02 |
| 81–82 | 0.036384 | 69,462 | 2,527 | 68,199 | 720,591 | 10.37 |
| 82–83 | 0.040787 | 66,935 | 2,730 | 65,570 | 652,392 | 9.75 |
| 83–84 | 0.045670 | 64,205 | 2,932 | 62,739 | 586,822 | 9.14 |
| 84–85 | 0.051701 | 61,273 | 3,168 | 59,689 | 524,084 | 8.55 |
| 85–86 | 0.058449 | 58,105 | 3,396 | 56,407 | 464,395 | 7.99 |
| 86–87 | 0.065712 | 54,709 | 3,595 | 52,911 | 407,988 | 7.46 |
| 87–88 | 0.073830 | 51,114 | 3,774 | 49,227 | 355,077 | 6.95 |
| 88–89 | 0.083292 | 47,340 | 3,943 | 45,368 | 305,850 | 6.46 |
| 89–90 | 0.093754 | 43,397 | 4,069 | 41,363 | 260,481 | 6.00 |
| 90–91 | 0.105264 | 39,328 | 4,140 | 37,258 | 219,119 | 5.57 |
| 91–92 | 0.117863 | 35,188 | 4,147 | 33,115 | 181,860 | 5.17 |
| 92–93 | 0.131575 | 31,041 | 4,084 | 28,999 | 148,746 | 4.79 |
| 93–94 | 0.146404 | 26,957 | 3,947 | 24,984 | 119,747 | 4.44 |
| 94–95 | 0.162335 | 23,010 | 3,735 | 21,143 | 94,763 | 4.12 |
| 95–96 | 0.179325 | 19,275 | 3,456 | 17,547 | 73,621 | 3.82 |
| 96–97 | 0.197307 | 15,818 | 3,121 | 14,258 | 56,074 | 3.54 |
| 97–98 | 0.216184 | 12,697 | 2,745 | 11,325 | 41,816 | 3.29 |
| 98–99 | 0.235832 | 9,952 | 2,347 | 8,779 | 30,491 | 3.06 |
| 99–100 | 0.256102 | 7,605 | 1,948 | 6,631 | 21,713 | 2.85 |
| 100–101 | 0.276823 | 5,658 | 1,566 | 4,874 | 15,081 | 2.67 |
| 101–102 | 0.297807 | 4,091 | 1,218 | 3,482 | 10,207 | 2.49 |
| 102–103 | 0.318860 | 2,873 | 916 | 2,415 | 6,725 | 2.34 |
| 103–104 | 0.339781 | 1,957 | 665 | 1,624 | 4,310 | 2.20 |
| 104–105 | 0.360378 | 1,292 | 466 | 1,059 | 2,685 | 2.08 |
| 105–106 | 0.380467 | 826 | 314 | 669 | 1,626 | 1.97 |
| 106–107 | 0.399887 | 512 | 205 | 410 | 957 | 1.87 |
| 107–108 | 0.418497 | 307 | 129 | 243 | 547 | 1.78 |
| 108–109 | 0.436182 | 179 | 78 | 140 | 304 | 1.70 |
| 109–110 | 0.452856 | 101 | 46 | 78 | 165 | 1.63 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 13. Life table for the non-Hispanic white population: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table13.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1 | 0.001951 | 100,000 | 195 | 274 | 7,870,711 | 78.71 |
| 1–7 | 0.000684 | 99,805 | 68 | 1,640 | 7,870,437 | 78.86 |
| 7–28 | 0.000720 | 99,737 | 72 | 5,736 | 7,868,797 | 78.90 |
| 28–365 | 0.001827 | 99,665 | 182 | 91,935 | 7,863,061 | 78.90 |
| Years | | | | | | |
| 0–1 | 0.005174 | 100,000 | 517 | 99,585 | 7,870,711 | 78.71 |
| 1–2 | 0.000368 | 99,483 | 37 | 99,464 | 7,771,126 | 78.12 |
| 2–3 | 0.000245 | 99,446 | 24 | 99,434 | 7,671,662 | 77.14 |
| 3–4 | 0.000202 | 99,422 | 20 | 99,412 | 7,572,228 | 76.16 |
| 4–5 | 0.000150 | 99,402 | 15 | 99,394 | 7,472,816 | 75.18 |
| 5–6 | 0.000140 | 99,387 | 14 | 99,380 | 7,373,422 | 74.19 |
| 6–7 | 0.000125 | 99,373 | 12 | 99,367 | 7,274,042 | 73.20 |
| 7–8 | 0.000113 | 99,360 | 11 | 99,355 | 7,174,676 | 72.21 |
| 8–9 | 0.000099 | 99,349 | 10 | 99,344 | 7,075,321 | 71.22 |
| 9–10 | 0.000085 | 99,339 | 8 | 99,335 | 6,975,977 | 70.22 |
| 10–11 | 0.000077 | 99,331 | 8 | 99,327 | 6,876,642 | 69.23 |
| 11–12 | 0.000082 | 99,323 | 8 | 99,319 | 6,777,315 | 68.23 |
| 12–13 | 0.000110 | 99,315 | 11 | 99,310 | 6,677,996 | 67.24 |
| 13–14 | 0.000166 | 99,304 | 17 | 99,296 | 6,578,686 | 66.25 |
| 14–15 | 0.000242 | 99,288 | 24 | 99,276 | 6,479,390 | 65.26 |
| 15–16 | 0.000322 | 99,264 | 32 | 99,248 | 6,380,115 | 64.27 |
| 16–17 | 0.000398 | 99,232 | 40 | 99,212 | 6,280,867 | 63.29 |
| 17–18 | 0.000478 | 99,192 | 47 | 99,168 | 6,181,655 | 62.32 |
| 18–19 | 0.000559 | 99,145 | 55 | 99,117 | 6,082,487 | 61.35 |
| 19–20 | 0.000642 | 99,089 | 64 | 99,058 | 5,983,370 | 60.38 |
| 20–21 | 0.000730 | 99,026 | 72 | 98,990 | 5,884,312 | 59.42 |
| 21–22 | 0.000814 | 98,953 | 81 | 98,913 | 5,785,322 | 58.47 |
| 22–23 | 0.000879 | 98,873 | 87 | 98,829 | 5,686,409 | 57.51 |
| 23–24 | 0.000917 | 98,786 | 91 | 98,741 | 5,587,580 | 56.56 |
| 24–25 | 0.000936 | 98,695 | 92 | 98,649 | 5,488,839 | 55.61 |
| 25–26 | 0.000948 | 98,603 | 94 | 98,556 | 5,390,190 | 54.67 |
| 26–27 | 0.000965 | 98,510 | 95 | 98,462 | 5,291,634 | 53.72 |
| 27–28 | 0.000984 | 98,414 | 97 | 98,366 | 5,193,171 | 52.77 |
| 28–29 | 0.001009 | 98,318 | 99 | 98,268 | 5,094,805 | 51.82 |
| 29–30 | 0.001040 | 98,218 | 102 | 98,167 | 4,996,537 | 50.87 |
| 30–31 | 0.001079 | 98,116 | 106 | 98,063 | 4,898,370 | 49.92 |
| 31–32 | 0.001120 | 98,010 | 110 | 97,956 | 4,800,307 | 48.98 |
| 32–33 | 0.001161 | 97,901 | 114 | 97,844 | 4,702,351 | 48.03 |
| 33–34 | 0.001198 | 97,787 | 117 | 97,728 | 4,604,507 | 47.09 |
| 34–35 | 0.001236 | 97,670 | 121 | 97,609 | 4,506,779 | 46.14 |
| 35–36 | 0.001285 | 97,549 | 125 | 97,486 | 4,409,170 | 45.20 |
| 36–37 | 0.001350 | 97,424 | 132 | 97,358 | 4,311,683 | 44.26 |
| 37–38 | 0.001428 | 97,292 | 139 | 97,223 | 4,214,325 | 43.32 |
| 38–39 | 0.001520 | 97,153 | 148 | 97,080 | 4,117,102 | 42.38 |
| 39–40 | 0.001630 | 97,006 | 158 | 96,927 | 4,020,023 | 41.44 |
| 40–41 | 0.001751 | 96,848 | 170 | 96,763 | 3,923,096 | 40.51 |
| 41–42 | 0.001892 | 96,678 | 183 | 96,587 | 3,826,333 | 39.58 |
| 42–43 | 0.002066 | 96,495 | 199 | 96,395 | 3,729,747 | 38.65 |
| 43–44 | 0.002271 | 96,296 | 219 | 96,186 | 3,633,351 | 37.73 |
| 44–45 | 0.002498 | 96,077 | 240 | 95,957 | 3,537,165 | 36.82 |
| 45–46 | 0.002725 | 95,837 | 261 | 95,706 | 3,441,208 | 35.91 |
| 46–47 | 0.002956 | 95,576 | 283 | 95,435 | 3,345,502 | 35.00 |
| 47–48 | 0.003212 | 95,293 | 306 | 95,140 | 3,250,067 | 34.11 |
| 48–49 | 0.003504 | 94,987 | 333 | 94,821 | 3,154,927 | 33.21 |
| 49–50 | 0.003827 | 94,654 | 362 | 94,473 | 3,060,106 | 32.33 |
| 50–51 | 0.004173 | 94,292 | 394 | 94,095 | 2,965,633 | 31.45 |
| 51–52 | 0.004526 | 93,899 | 425 | 93,686 | 2,871,538 | 30.58 |
| 52–53 | 0.004880 | 93,474 | 456 | 93,245 | 2,777,852 | 29.72 |

Table 13. Life table for the non-Hispanic white population: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table13.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.005233 | 93,017 | 487 | 92,774 | 2,684,606 | 28.86 |
| 54–55 | 0.005598 | 92,531 | 518 | 92,272 | 2,591,832 | 28.01 |
| 55–56 | 0.005989 | 92,013 | 551 | 91,737 | 2,499,561 | 27.17 |
| 56–57 | 0.006422 | 91,462 | 587 | 91,168 | 2,407,824 | 26.33 |
| 57–58 | 0.006902 | 90,874 | 627 | 90,561 | 2,316,656 | 25.49 |
| 58–59 | 0.007432 | 90,247 | 671 | 89,912 | 2,226,095 | 24.67 |
| 59–60 | 0.008000 | 89,576 | 717 | 89,218 | 2,136,184 | 23.85 |
| 60–61 | 0.008606 | 88,860 | 765 | 88,477 | 2,046,966 | 23.04 |
| 61–62 | 0.009249 | 88,095 | 815 | 87,687 | 1,958,488 | 22.23 |
| 62–63 | 0.009942 | 87,280 | 868 | 86,846 | 1,870,801 | 21.43 |
| 63–64 | 0.010712 | 86,412 | 926 | 85,950 | 1,783,955 | 20.64 |
| 64–65 | 0.011590 | 85,487 | 991 | 84,991 | 1,698,005 | 19.86 |
| 65–66 | 0.012625 | 84,496 | 1,067 | 83,963 | 1,613,014 | 19.09 |
| 66–67 | 0.013814 | 83,429 | 1,152 | 82,853 | 1,529,051 | 18.33 |
| 67–68 | 0.015090 | 82,277 | 1,242 | 81,656 | 1,446,198 | 17.58 |
| 68–69 | 0.016421 | 81,035 | 1,331 | 80,370 | 1,364,542 | 16.84 |
| 69–70 | 0.017847 | 79,705 | 1,422 | 78,993 | 1,284,172 | 16.11 |
| 70–71 | 0.019459 | 78,282 | 1,523 | 77,520 | 1,205,179 | 15.40 |
| 71–72 | 0.021276 | 76,759 | 1,633 | 75,942 | 1,127,659 | 14.69 |
| 72–73 | 0.023355 | 75,126 | 1,755 | 74,248 | 1,051,716 | 14.00 |
| 73–74 | 0.025638 | 73,371 | 1,881 | 72,431 | 977,468 | 13.32 |
| 74–75 | 0.028183 | 71,490 | 2,015 | 70,483 | 905,038 | 12.66 |
| 75–76 | 0.030860 | 69,475 | 2,144 | 68,403 | 834,555 | 12.01 |
| 76–77 | 0.033827 | 67,331 | 2,278 | 66,192 | 766,152 | 11.38 |
| 77–78 | 0.037341 | 65,054 | 2,429 | 63,839 | 699,959 | 10.76 |
| 78–79 | 0.041344 | 62,624 | 2,589 | 61,330 | 636,121 | 10.16 |
| 79–80 | 0.045644 | 60,035 | 2,740 | 58,665 | 574,791 | 9.57 |
| 80–81 | 0.050514 | 57,295 | 2,894 | 55,848 | 516,126 | 9.01 |
| 81–82 | 0.055750 | 54,401 | 3,033 | 52,884 | 460,278 | 8.46 |
| 82–83 | 0.061837 | 51,368 | 3,176 | 49,780 | 407,393 | 7.93 |
| 83–84 | 0.068419 | 48,192 | 3,297 | 46,543 | 357,614 | 7.42 |
| 84–85 | 0.076454 | 44,894 | 3,432 | 43,178 | 311,071 | 6.93 |
| 85–86 | 0.085353 | 41,462 | 3,539 | 39,693 | 267,893 | 6.46 |
| 86–87 | 0.094894 | 37,923 | 3,599 | 36,124 | 228,200 | 6.02 |
| 87–88 | 0.105835 | 34,324 | 3,633 | 32,508 | 192,076 | 5.60 |
| 88–89 | 0.117966 | 30,692 | 3,621 | 28,881 | 159,568 | 5.20 |
| 89–90 | 0.131162 | 27,071 | 3,551 | 25,296 | 130,687 | 4.83 |
| 90–91 | 0.145443 | 23,520 | 3,421 | 21,810 | 105,391 | 4.48 |
| 91–92 | 0.160811 | 20,100 | 3,232 | 18,483 | 83,581 | 4.16 |
| 92–93 | 0.177252 | 16,867 | 2,990 | 15,372 | 65,098 | 3.86 |
| 93–94 | 0.194726 | 13,878 | 2,702 | 12,526 | 49,725 | 3.58 |
| 94–95 | 0.213173 | 11,175 | 2,382 | 9,984 | 37,199 | 3.33 |
| 95–96 | 0.232506 | 8,793 | 2,044 | 7,771 | 27,215 | 3.10 |
| 96–97 | 0.252616 | 6,749 | 1,705 | 5,896 | 19,444 | 2.88 |
| 97–98 | 0.273370 | 5,044 | 1,379 | 4,354 | 13,548 | 2.69 |
| 98–99 | 0.294616 | 3,665 | 1,080 | 3,125 | 9,194 | 2.51 |
| 99–100 | 0.316186 | 2,585 | 817 | 2,176 | 6,068 | 2.35 |
| 100–101 | 0.337900 | 1,768 | 597 | 1,469 | 3,892 | 2.20 |
| 101–102 | 0.359576 | 1,170 | 421 | 960 | 2,423 | 2.07 |
| 102–103 | 0.381031 | 750 | 286 | 607 | 1,463 | 1.95 |
| 103–104 | 0.402090 | 464 | 187 | 371 | 856 | 1.85 |
| 104–105 | 0.422591 | 277 | 117 | 219 | 485 | 1.75 |
| 105–106 | 0.442389 | 160 | 71 | 125 | 267 | 1.66 |
| 106–107 | 0.461362 | 89 | 41 | 69 | 142 | 1.59 |
| 107–108 | 0.479409 | 48 | 23 | 37 | 73 | 1.52 |
| 108–109 | 0.496455 | 25 | 12 | 19 | 37 | 1.46 |
| 109–110 | 0.512448 | 13 | 6 | 9 | 18 | 1.41 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 14. Life table for non-Hispanic white males: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table14.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.002089 | 100,000 | 209 | 274 | 7,630,227 | 76.30 |
| 1–7..... | 0.000748 | 99,791 | 75 | 1,640 | 7,629,953 | 76.46 |
| 7–28..... | 0.000773 | 99,717 | 77 | 5,735 | 7,628,313 | 76.50 |
| 28–365..... | 0.002045 | 99,639 | 204 | 91,902 | 7,622,579 | 76.50 |
| Years | | | | | | |
| 0–1..... | 0.005643 | 100,000 | 564 | 99,550 | 7,630,227 | 76.30 |
| 1–2..... | 0.000435 | 99,436 | 43 | 99,414 | 7,530,677 | 75.73 |
| 2–3..... | 0.000305 | 99,392 | 30 | 99,377 | 7,431,263 | 74.77 |
| 3–4..... | 0.000255 | 99,362 | 25 | 99,349 | 7,331,886 | 73.79 |
| 4–5..... | 0.000178 | 99,337 | 18 | 99,328 | 7,232,536 | 72.81 |
| 5–6..... | 0.000172 | 99,319 | 17 | 99,311 | 7,133,208 | 71.82 |
| 6–7..... | 0.000153 | 99,302 | 15 | 99,294 | 7,033,898 | 70.83 |
| 7–8..... | 0.000136 | 99,287 | 14 | 99,280 | 6,934,603 | 69.84 |
| 8–9..... | 0.000119 | 99,273 | 12 | 99,267 | 6,835,323 | 68.85 |
| 9–10..... | 0.000101 | 99,262 | 10 | 99,257 | 6,736,056 | 67.86 |
| 10–11..... | 0.000091 | 99,251 | 9 | 99,247 | 6,636,799 | 66.87 |
| 11–12..... | 0.000099 | 99,242 | 10 | 99,238 | 6,537,552 | 65.87 |
| 12–13..... | 0.000138 | 99,233 | 14 | 99,226 | 6,438,315 | 64.88 |
| 13–14..... | 0.000213 | 99,219 | 21 | 99,208 | 6,339,089 | 63.89 |
| 14–15..... | 0.000315 | 99,198 | 31 | 99,182 | 6,239,881 | 62.90 |
| 15–16..... | 0.000420 | 99,167 | 42 | 99,146 | 6,140,699 | 61.92 |
| 16–17..... | 0.000522 | 99,125 | 52 | 99,099 | 6,041,553 | 60.95 |
| 17–18..... | 0.000636 | 99,073 | 63 | 99,042 | 5,942,454 | 59.98 |
| 18–19..... | 0.000764 | 99,010 | 76 | 98,972 | 5,843,412 | 59.02 |
| 19–20..... | 0.000900 | 98,934 | 89 | 98,890 | 5,744,440 | 58.06 |
| 20–21..... | 0.001047 | 98,845 | 104 | 98,794 | 5,645,550 | 57.11 |
| 21–22..... | 0.001186 | 98,742 | 117 | 98,683 | 5,546,756 | 56.17 |
| 22–23..... | 0.001289 | 98,625 | 127 | 98,561 | 5,448,073 | 55.24 |
| 23–24..... | 0.001342 | 98,498 | 132 | 98,432 | 5,349,512 | 54.31 |
| 24–25..... | 0.001356 | 98,365 | 133 | 98,299 | 5,251,080 | 53.38 |
| 25–26..... | 0.001359 | 98,232 | 133 | 98,165 | 5,152,782 | 52.46 |
| 26–27..... | 0.001368 | 98,099 | 134 | 98,032 | 5,054,616 | 51.53 |
| 27–28..... | 0.001379 | 97,964 | 135 | 97,897 | 4,956,585 | 50.60 |
| 28–29..... | 0.001398 | 97,829 | 137 | 97,761 | 4,858,688 | 49.66 |
| 29–30..... | 0.001425 | 97,693 | 139 | 97,623 | 4,760,927 | 48.73 |
| 30–31..... | 0.001458 | 97,553 | 142 | 97,482 | 4,663,304 | 47.80 |
| 31–32..... | 0.001492 | 97,411 | 145 | 97,339 | 4,565,821 | 46.87 |
| 32–33..... | 0.001527 | 97,266 | 149 | 97,192 | 4,468,483 | 45.94 |
| 33–34..... | 0.001561 | 97,117 | 152 | 97,041 | 4,371,291 | 45.01 |
| 34–35..... | 0.001598 | 96,966 | 155 | 96,888 | 4,274,250 | 44.08 |
| 35–36..... | 0.001649 | 96,811 | 160 | 96,731 | 4,177,362 | 43.15 |
| 36–37..... | 0.001720 | 96,651 | 166 | 96,568 | 4,080,631 | 42.22 |
| 37–38..... | 0.001806 | 96,485 | 174 | 96,398 | 3,984,063 | 41.29 |
| 38–39..... | 0.001910 | 96,311 | 184 | 96,219 | 3,887,665 | 40.37 |
| 39–40..... | 0.002034 | 96,127 | 195 | 96,029 | 3,791,446 | 39.44 |
| 40–41..... | 0.002173 | 95,931 | 208 | 95,827 | 3,695,417 | 38.52 |
| 41–42..... | 0.002339 | 95,723 | 224 | 95,611 | 3,599,590 | 37.60 |
| 42–43..... | 0.002546 | 95,499 | 243 | 95,377 | 3,503,980 | 36.69 |
| 43–44..... | 0.002797 | 95,256 | 266 | 95,122 | 3,408,602 | 35.78 |
| 44–45..... | 0.003076 | 94,989 | 292 | 94,843 | 3,313,480 | 34.88 |
| 45–46..... | 0.003358 | 94,697 | 318 | 94,538 | 3,218,637 | 33.99 |
| 46–47..... | 0.003648 | 94,379 | 344 | 94,207 | 3,124,099 | 33.10 |
| 47–48..... | 0.003969 | 94,035 | 373 | 93,848 | 3,029,892 | 32.22 |
| 48–49..... | 0.004336 | 93,661 | 406 | 93,458 | 2,936,044 | 31.35 |
| 49–50..... | 0.004743 | 93,255 | 442 | 93,034 | 2,842,585 | 30.48 |
| 50–51..... | 0.005174 | 92,813 | 480 | 92,573 | 2,749,551 | 29.62 |
| 51–52..... | 0.005614 | 92,333 | 518 | 92,074 | 2,656,978 | 28.78 |
| 52–53..... | 0.006072 | 91,815 | 557 | 91,536 | 2,564,905 | 27.94 |

Table 14. Life table for non-Hispanic white males: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table14.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.006549 | 91,257 | 598 | 90,958 | 2,473,369 | 27.10 |
| 54–55 | 0.007055 | 90,659 | 640 | 90,340 | 2,382,410 | 26.28 |
| 55–56 | 0.007603 | 90,020 | 684 | 89,678 | 2,292,071 | 25.46 |
| 56–57 | 0.008194 | 89,335 | 732 | 88,969 | 2,202,393 | 24.65 |
| 57–58 | 0.008815 | 88,603 | 781 | 88,213 | 2,113,424 | 23.85 |
| 58–59 | 0.009450 | 87,822 | 830 | 87,407 | 2,025,211 | 23.06 |
| 59–60 | 0.010095 | 86,992 | 878 | 86,553 | 1,937,803 | 22.28 |
| 60–61 | 0.010768 | 86,114 | 927 | 85,651 | 1,851,250 | 21.50 |
| 61–62 | 0.011487 | 85,187 | 979 | 84,698 | 1,765,599 | 20.73 |
| 62–63 | 0.012270 | 84,208 | 1,033 | 83,692 | 1,680,902 | 19.96 |
| 63–64 | 0.013159 | 83,175 | 1,095 | 82,628 | 1,597,210 | 19.20 |
| 64–65 | 0.014190 | 82,081 | 1,165 | 81,498 | 1,514,582 | 18.45 |
| 65–66 | 0.015402 | 80,916 | 1,246 | 80,293 | 1,433,084 | 17.71 |
| 66–67 | 0.016796 | 79,670 | 1,338 | 79,001 | 1,352,791 | 16.98 |
| 67–68 | 0.018291 | 78,331 | 1,433 | 77,615 | 1,273,790 | 16.26 |
| 68–69 | 0.019871 | 76,899 | 1,528 | 76,135 | 1,196,175 | 15.56 |
| 69–70 | 0.021540 | 75,371 | 1,624 | 74,559 | 1,120,041 | 14.86 |
| 70–71 | 0.023427 | 73,747 | 1,728 | 72,883 | 1,045,482 | 14.18 |
| 71–72 | 0.025541 | 72,019 | 1,839 | 71,100 | 972,598 | 13.50 |
| 72–73 | 0.027980 | 70,180 | 1,964 | 69,198 | 901,499 | 12.85 |
| 73–74 | 0.030680 | 68,216 | 2,093 | 67,170 | 832,300 | 12.20 |
| 74–75 | 0.033692 | 66,123 | 2,228 | 65,010 | 765,130 | 11.57 |
| 75–76 | 0.036863 | 63,896 | 2,355 | 62,718 | 700,121 | 10.96 |
| 76–77 | 0.040369 | 61,540 | 2,484 | 60,298 | 637,403 | 10.36 |
| 77–78 | 0.044469 | 59,056 | 2,626 | 57,743 | 577,105 | 9.77 |
| 78–79 | 0.049246 | 56,430 | 2,779 | 55,040 | 519,362 | 9.20 |
| 79–80 | 0.054254 | 53,651 | 2,911 | 52,195 | 464,322 | 8.65 |
| 80–81 | 0.060404 | 50,740 | 3,065 | 49,208 | 412,126 | 8.12 |
| 81–82 | 0.066790 | 47,675 | 3,184 | 46,083 | 362,919 | 7.61 |
| 82–83 | 0.073928 | 44,491 | 3,289 | 42,846 | 316,835 | 7.12 |
| 83–84 | 0.081537 | 41,202 | 3,359 | 39,522 | 273,989 | 6.65 |
| 84–85 | 0.090765 | 37,842 | 3,435 | 36,125 | 234,467 | 6.20 |
| 85–86 | 0.101010 | 34,408 | 3,475 | 32,670 | 198,342 | 5.76 |
| 86–87 | 0.112064 | 30,932 | 3,466 | 29,199 | 165,672 | 5.36 |
| 87–88 | 0.125553 | 27,466 | 3,448 | 25,741 | 136,473 | 4.97 |
| 88–89 | 0.139498 | 24,017 | 3,350 | 22,342 | 110,732 | 4.61 |
| 89–90 | 0.154550 | 20,667 | 3,194 | 19,070 | 88,390 | 4.28 |
| 90–91 | 0.170700 | 17,473 | 2,983 | 15,982 | 69,320 | 3.97 |
| 91–92 | 0.187918 | 14,490 | 2,723 | 13,129 | 53,338 | 3.68 |
| 92–93 | 0.206150 | 11,767 | 2,426 | 10,554 | 40,210 | 3.42 |
| 93–94 | 0.225320 | 9,341 | 2,105 | 8,289 | 29,655 | 3.17 |
| 94–95 | 0.245322 | 7,237 | 1,775 | 6,349 | 21,366 | 2.95 |
| 95–96 | 0.266030 | 5,461 | 1,453 | 4,735 | 15,017 | 2.75 |
| 96–97 | 0.287293 | 4,008 | 1,152 | 3,433 | 10,282 | 2.57 |
| 97–98 | 0.308946 | 2,857 | 883 | 2,416 | 6,850 | 2.40 |
| 98–99 | 0.330808 | 1,974 | 653 | 1,648 | 4,434 | 2.25 |
| 99–100 | 0.352691 | 1,321 | 466 | 1,088 | 2,786 | 2.11 |
| 100–101 | 0.374408 | 855 | 320 | 695 | 1,698 | 1.99 |
| 101–102 | 0.395777 | 535 | 212 | 429 | 1,003 | 1.88 |
| 102–103 | 0.416627 | 323 | 135 | 256 | 574 | 1.78 |
| 103–104 | 0.436804 | 189 | 82 | 147 | 318 | 1.69 |
| 104–105 | 0.456176 | 106 | 48 | 82 | 171 | 1.61 |
| 105–106 | 0.474632 | 58 | 27 | 44 | 89 | 1.54 |
| 106–107 | 0.492090 | 30 | 15 | 23 | 45 | 1.47 |
| 107–108 | 0.508489 | 15 | 8 | 11 | 22 | 1.42 |
| 108–109 | 0.523796 | 8 | 4 | 6 | 10 | 1.37 |
| 109–110 | 0.537996 | 4 | 2 | 3 | 5 | 1.33 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 15. Life table for non-Hispanic white females: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table15.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.001806 | 100,000 | 181 | 274 | 8,106,214 | 81.06 |
| 1–7..... | 0.000617 | 99,819 | 62 | 1,640 | 8,105,940 | 81.21 |
| 7–28..... | 0.000665 | 99,758 | 66 | 5,738 | 8,104,300 | 81.24 |
| 28–365..... | 0.001598 | 99,691 | 159 | 91,970 | 8,098,562 | 81.24 |
| Years | | | | | | |
| 0–1..... | 0.004679 | 100,000 | 468 | 99,622 | 8,106,214 | 81.06 |
| 1–2..... | 0.000295 | 99,532 | 29 | 99,517 | 8,006,592 | 80.44 |
| 2–3..... | 0.000184 | 99,503 | 18 | 99,494 | 7,907,074 | 79.47 |
| 3–4..... | 0.000147 | 99,484 | 15 | 99,477 | 7,807,581 | 78.48 |
| 4–5..... | 0.000120 | 99,470 | 12 | 99,464 | 7,708,103 | 77.49 |
| 5–6..... | 0.000106 | 99,458 | 11 | 99,453 | 7,608,639 | 76.50 |
| 6–7..... | 0.000096 | 99,447 | 10 | 99,443 | 7,509,187 | 75.51 |
| 7–8..... | 0.000087 | 99,438 | 9 | 99,434 | 7,409,744 | 74.52 |
| 8–9..... | 0.000078 | 99,429 | 8 | 99,425 | 7,310,310 | 73.52 |
| 9–10..... | 0.000069 | 99,422 | 7 | 99,418 | 7,210,885 | 72.53 |
| 10–11..... | 0.000063 | 99,415 | 6 | 99,412 | 7,111,467 | 71.53 |
| 11–12..... | 0.000065 | 99,408 | 6 | 99,405 | 7,012,055 | 70.54 |
| 12–13..... | 0.000082 | 99,402 | 8 | 99,398 | 6,912,650 | 69.54 |
| 13–14..... | 0.000118 | 99,394 | 12 | 99,388 | 6,813,252 | 68.55 |
| 14–15..... | 0.000166 | 99,382 | 16 | 99,374 | 6,713,865 | 67.56 |
| 15–16..... | 0.000218 | 99,366 | 22 | 99,355 | 6,614,491 | 66.57 |
| 16–17..... | 0.000267 | 99,344 | 27 | 99,331 | 6,515,136 | 65.58 |
| 17–18..... | 0.000310 | 99,317 | 31 | 99,302 | 6,415,805 | 64.60 |
| 18–19..... | 0.000344 | 99,287 | 34 | 99,270 | 6,316,503 | 63.62 |
| 19–20..... | 0.000372 | 99,253 | 37 | 99,234 | 6,217,234 | 62.64 |
| 20–21..... | 0.000400 | 99,216 | 40 | 99,196 | 6,118,000 | 61.66 |
| 21–22..... | 0.000430 | 99,176 | 43 | 99,155 | 6,018,804 | 60.69 |
| 22–23..... | 0.000458 | 99,133 | 45 | 99,111 | 5,919,649 | 59.71 |
| 23–24..... | 0.000483 | 99,088 | 48 | 99,064 | 5,820,539 | 58.74 |
| 24–25..... | 0.000507 | 99,040 | 50 | 99,015 | 5,721,475 | 57.77 |
| 25–26..... | 0.000530 | 98,990 | 52 | 98,964 | 5,622,460 | 56.80 |
| 26–27..... | 0.000555 | 98,937 | 55 | 98,910 | 5,523,496 | 55.83 |
| 27–28..... | 0.000583 | 98,882 | 58 | 98,854 | 5,424,586 | 54.86 |
| 28–29..... | 0.000614 | 98,825 | 61 | 98,794 | 5,325,732 | 53.89 |
| 29–30..... | 0.000650 | 98,764 | 64 | 98,732 | 5,226,938 | 52.92 |
| 30–31..... | 0.000693 | 98,700 | 68 | 98,666 | 5,128,206 | 51.96 |
| 31–32..... | 0.000741 | 98,632 | 73 | 98,595 | 5,029,540 | 50.99 |
| 32–33..... | 0.000788 | 98,558 | 78 | 98,520 | 4,930,945 | 50.03 |
| 33–34..... | 0.000829 | 98,481 | 82 | 98,440 | 4,832,426 | 49.07 |
| 34–35..... | 0.000869 | 98,399 | 85 | 98,356 | 4,733,986 | 48.11 |
| 35–36..... | 0.000916 | 98,314 | 90 | 98,269 | 4,635,629 | 47.15 |
| 36–37..... | 0.000976 | 98,224 | 96 | 98,176 | 4,537,361 | 46.19 |
| 37–38..... | 0.001046 | 98,128 | 103 | 98,076 | 4,439,185 | 45.24 |
| 38–39..... | 0.001127 | 98,025 | 111 | 97,970 | 4,341,108 | 44.29 |
| 39–40..... | 0.001222 | 97,915 | 120 | 97,855 | 4,243,138 | 43.34 |
| 40–41..... | 0.001325 | 97,795 | 130 | 97,730 | 4,145,284 | 42.39 |
| 41–42..... | 0.001441 | 97,665 | 141 | 97,595 | 4,047,553 | 41.44 |
| 42–43..... | 0.001581 | 97,525 | 154 | 97,448 | 3,949,958 | 40.50 |
| 43–44..... | 0.001744 | 97,370 | 170 | 97,286 | 3,852,511 | 39.57 |
| 44–45..... | 0.001920 | 97,201 | 187 | 97,107 | 3,755,225 | 38.63 |
| 45–46..... | 0.002095 | 97,014 | 203 | 96,912 | 3,658,118 | 37.71 |
| 46–47..... | 0.002270 | 96,811 | 220 | 96,701 | 3,561,206 | 36.79 |
| 47–48..... | 0.002463 | 96,591 | 238 | 96,472 | 3,464,505 | 35.87 |
| 48–49..... | 0.002682 | 96,353 | 258 | 96,224 | 3,368,033 | 34.96 |
| 49–50..... | 0.002923 | 96,095 | 281 | 95,954 | 3,271,809 | 34.05 |
| 50–51..... | 0.003187 | 95,814 | 305 | 95,661 | 3,175,854 | 33.15 |
| 51–52..... | 0.003455 | 95,508 | 330 | 95,343 | 3,080,193 | 32.25 |
| 52–53..... | 0.003710 | 95,178 | 353 | 95,002 | 2,984,850 | 31.36 |

Table 15. Life table for non-Hispanic white females: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table15.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54..... | 0.003945 | 94,825 | 374 | 94,638 | 2,889,848 | 30.48 |
| 54–55..... | 0.004177 | 94,451 | 395 | 94,254 | 2,795,210 | 29.59 |
| 55–56..... | 0.004421 | 94,057 | 416 | 93,849 | 2,700,956 | 28.72 |
| 56–57..... | 0.004708 | 93,641 | 441 | 93,421 | 2,607,107 | 27.84 |
| 57–58..... | 0.005060 | 93,200 | 472 | 92,964 | 2,513,686 | 26.97 |
| 58–59..... | 0.005493 | 92,728 | 509 | 92,474 | 2,420,722 | 26.11 |
| 59–60..... | 0.005991 | 92,219 | 553 | 91,943 | 2,328,248 | 25.25 |
| 60–61..... | 0.006536 | 91,667 | 599 | 91,367 | 2,236,305 | 24.40 |
| 61–62..... | 0.007110 | 91,068 | 647 | 90,744 | 2,144,938 | 23.55 |
| 62–63..... | 0.007723 | 90,420 | 698 | 90,071 | 2,054,194 | 22.72 |
| 63–64..... | 0.008391 | 89,722 | 753 | 89,345 | 1,964,123 | 21.89 |
| 64–65..... | 0.009143 | 88,969 | 813 | 88,562 | 1,874,778 | 21.07 |
| 65–66..... | 0.010032 | 88,155 | 884 | 87,713 | 1,786,216 | 20.26 |
| 66–67..... | 0.011057 | 87,271 | 965 | 86,788 | 1,698,503 | 19.46 |
| 67–68..... | 0.012158 | 86,306 | 1,049 | 85,781 | 1,611,714 | 18.67 |
| 68–69..... | 0.013289 | 85,257 | 1,133 | 84,690 | 1,525,933 | 17.90 |
| 69–70..... | 0.014521 | 84,124 | 1,222 | 83,513 | 1,441,243 | 17.13 |
| 70–71..... | 0.015916 | 82,902 | 1,319 | 82,242 | 1,357,730 | 16.38 |
| 71–72..... | 0.017512 | 81,583 | 1,429 | 80,868 | 1,275,488 | 15.63 |
| 72–73..... | 0.019323 | 80,154 | 1,549 | 79,380 | 1,194,619 | 14.90 |
| 73–74..... | 0.021305 | 78,605 | 1,675 | 77,768 | 1,115,240 | 14.19 |
| 74–75..... | 0.023527 | 76,930 | 1,810 | 76,025 | 1,037,472 | 13.49 |
| 75–76..... | 0.025868 | 75,121 | 1,943 | 74,149 | 961,446 | 12.80 |
| 76–77..... | 0.028488 | 73,177 | 2,085 | 72,135 | 887,297 | 12.13 |
| 77–78..... | 0.031645 | 71,093 | 2,250 | 69,968 | 815,163 | 11.47 |
| 78–79..... | 0.035183 | 68,843 | 2,422 | 67,632 | 745,195 | 10.82 |
| 79–80..... | 0.039118 | 66,421 | 2,598 | 65,122 | 677,563 | 10.20 |
| 80–81..... | 0.043238 | 63,823 | 2,760 | 62,443 | 612,441 | 9.60 |
| 81–82..... | 0.047886 | 61,063 | 2,924 | 59,601 | 549,998 | 9.01 |
| 82–83..... | 0.053528 | 58,139 | 3,112 | 56,583 | 490,397 | 8.43 |
| 83–84..... | 0.059755 | 55,027 | 3,288 | 53,383 | 433,814 | 7.88 |
| 84–85..... | 0.067411 | 51,739 | 3,488 | 49,995 | 380,431 | 7.35 |
| 85–86..... | 0.075929 | 48,251 | 3,664 | 46,419 | 330,437 | 6.85 |
| 86–87..... | 0.085043 | 44,587 | 3,792 | 42,691 | 284,017 | 6.37 |
| 87–88..... | 0.095168 | 40,796 | 3,882 | 38,854 | 241,326 | 5.92 |
| 88–89..... | 0.106890 | 36,913 | 3,946 | 34,940 | 202,472 | 5.49 |
| 89–90..... | 0.119752 | 32,967 | 3,948 | 30,993 | 167,531 | 5.08 |
| 90–91..... | 0.133793 | 29,020 | 3,883 | 27,078 | 136,538 | 4.71 |
| 91–92..... | 0.149031 | 25,137 | 3,746 | 23,264 | 109,460 | 4.35 |
| 92–93..... | 0.165465 | 21,391 | 3,539 | 19,621 | 86,196 | 4.03 |
| 93–94..... | 0.183072 | 17,851 | 3,268 | 16,217 | 66,575 | 3.73 |
| 94–95..... | 0.201797 | 14,583 | 2,943 | 13,112 | 50,357 | 3.45 |
| 95–96..... | 0.221560 | 11,640 | 2,579 | 10,351 | 37,246 | 3.20 |
| 96–97..... | 0.242249 | 9,061 | 2,195 | 7,964 | 26,895 | 2.97 |
| 97–98..... | 0.263727 | 6,866 | 1,811 | 5,961 | 18,931 | 2.76 |
| 98–99..... | 0.285825 | 5,055 | 1,445 | 4,333 | 12,970 | 2.57 |
| 99–100..... | 0.308359 | 3,610 | 1,113 | 3,054 | 8,637 | 2.39 |
| 100–101..... | 0.331124 | 2,497 | 827 | 2,084 | 5,583 | 2.24 |
| 101–102..... | 0.353911 | 1,670 | 591 | 1,375 | 3,500 | 2.10 |
| 102–103..... | 0.376505 | 1,079 | 406 | 876 | 2,125 | 1.97 |
| 103–104..... | 0.398703 | 673 | 268 | 539 | 1,249 | 1.86 |
| 104–105..... | 0.420315 | 405 | 170 | 320 | 710 | 1.76 |
| 105–106..... | 0.441169 | 235 | 103 | 183 | 391 | 1.67 |
| 106–107..... | 0.461121 | 131 | 60 | 101 | 208 | 1.59 |
| 107–108..... | 0.480054 | 71 | 34 | 54 | 107 | 1.52 |
| 108–109..... | 0.497882 | 37 | 18 | 28 | 53 | 1.45 |
| 109–110..... | 0.514546 | 18 | 9 | 14 | 26 | 1.40 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 16. Life table for the non-Hispanic black population: United States, 2009–2011

Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table16.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------|---|---|--|--------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1 | 0.005111 | 100,000 | 511 | 274 | 7,465,472 | 74.65 |
| 1–7 | 0.001139 | 99,489 | 113 | 1,635 | 7,465,198 | 75.04 |
| 7–28 | 0.001501 | 99,376 | 149 | 5,713 | 7,463,563 | 75.10 |
| 28–365 | 0.004022 | 99,226 | 399 | 91,430 | 7,457,850 | 75.16 |
| Years | | | | | | |
| 0–1 | 0.011728 | 100,000 | 1,173 | 99,052 | 7,465,472 | 74.65 |
| 1–2 | 0.000709 | 98,827 | 70 | 98,792 | 7,366,420 | 74.54 |
| 2–3 | 0.000451 | 98,757 | 45 | 98,735 | 7,267,628 | 73.59 |
| 3–4 | 0.000311 | 98,713 | 31 | 98,697 | 7,168,893 | 72.62 |
| 4–5 | 0.000253 | 98,682 | 25 | 98,669 | 7,070,196 | 71.65 |
| 5–6 | 0.000230 | 98,657 | 23 | 98,646 | 6,971,526 | 70.66 |
| 6–7 | 0.000200 | 98,634 | 20 | 98,624 | 6,872,881 | 69.68 |
| 7–8 | 0.000176 | 98,615 | 17 | 98,606 | 6,774,256 | 68.69 |
| 8–9 | 0.000153 | 98,597 | 15 | 98,590 | 6,675,650 | 67.71 |
| 9–10 | 0.000132 | 98,582 | 13 | 98,576 | 6,577,061 | 66.72 |
| 10–11 | 0.000120 | 98,569 | 12 | 98,563 | 6,478,485 | 65.73 |
| 11–12 | 0.000129 | 98,557 | 13 | 98,551 | 6,379,922 | 64.73 |
| 12–13 | 0.000174 | 98,545 | 17 | 98,536 | 6,281,371 | 63.74 |
| 13–14 | 0.000259 | 98,527 | 26 | 98,515 | 6,182,835 | 62.75 |
| 14–15 | 0.000370 | 98,502 | 36 | 98,484 | 6,084,321 | 61.77 |
| 15–16 | 0.000481 | 98,465 | 47 | 98,442 | 5,985,837 | 60.79 |
| 16–17 | 0.000586 | 98,418 | 58 | 98,389 | 5,887,396 | 59.82 |
| 17–18 | 0.000698 | 98,360 | 69 | 98,326 | 5,789,006 | 58.86 |
| 18–19 | 0.000824 | 98,292 | 81 | 98,251 | 5,690,681 | 57.90 |
| 19–20 | 0.000965 | 98,211 | 95 | 98,163 | 5,592,429 | 56.94 |
| 20–21 | 0.001127 | 98,116 | 111 | 98,061 | 5,494,266 | 56.00 |
| 21–22 | 0.001287 | 98,005 | 126 | 97,942 | 5,396,206 | 55.06 |
| 22–23 | 0.001410 | 97,879 | 138 | 97,810 | 5,298,264 | 54.13 |
| 23–24 | 0.001469 | 97,741 | 144 | 97,669 | 5,200,453 | 53.21 |
| 24–25 | 0.001478 | 97,597 | 144 | 97,525 | 5,102,784 | 52.28 |
| 25–26 | 0.001470 | 97,453 | 143 | 97,382 | 5,005,259 | 51.36 |
| 26–27 | 0.001474 | 97,310 | 143 | 97,238 | 4,907,877 | 50.44 |
| 27–28 | 0.001487 | 97,167 | 144 | 97,094 | 4,810,639 | 49.51 |
| 28–29 | 0.001519 | 97,022 | 147 | 96,948 | 4,713,545 | 48.58 |
| 29–30 | 0.001568 | 96,875 | 152 | 96,799 | 4,616,596 | 47.66 |
| 30–31 | 0.001623 | 96,723 | 157 | 96,644 | 4,519,798 | 46.73 |
| 31–32 | 0.001677 | 96,566 | 162 | 96,485 | 4,423,153 | 45.80 |
| 32–33 | 0.001738 | 96,404 | 168 | 96,320 | 4,326,669 | 44.88 |
| 33–34 | 0.001805 | 96,236 | 174 | 96,150 | 4,230,348 | 43.96 |
| 34–35 | 0.001881 | 96,063 | 181 | 95,972 | 4,134,199 | 43.04 |
| 35–36 | 0.001972 | 95,882 | 189 | 95,788 | 4,038,226 | 42.12 |
| 36–37 | 0.002080 | 95,693 | 199 | 95,593 | 3,942,439 | 41.20 |
| 37–38 | 0.002202 | 95,494 | 210 | 95,389 | 3,846,845 | 40.28 |
| 38–39 | 0.002339 | 95,284 | 223 | 95,172 | 3,751,456 | 39.37 |
| 39–40 | 0.002496 | 95,061 | 237 | 94,942 | 3,656,284 | 38.46 |
| 40–41 | 0.002673 | 94,824 | 253 | 94,697 | 3,561,342 | 37.56 |
| 41–42 | 0.002878 | 94,570 | 272 | 94,434 | 3,466,645 | 36.66 |
| 42–43 | 0.003117 | 94,298 | 294 | 94,151 | 3,372,211 | 35.76 |
| 43–44 | 0.003391 | 94,004 | 319 | 93,845 | 3,278,060 | 34.87 |
| 44–45 | 0.003693 | 93,685 | 346 | 93,512 | 3,184,216 | 33.99 |
| 45–46 | 0.003998 | 93,339 | 373 | 93,153 | 3,090,704 | 33.11 |
| 46–47 | 0.004323 | 92,966 | 402 | 92,765 | 2,997,551 | 32.24 |
| 47–48 | 0.004713 | 92,564 | 436 | 92,346 | 2,904,786 | 31.38 |
| 48–49 | 0.005191 | 92,128 | 478 | 91,889 | 2,812,440 | 30.53 |
| 49–50 | 0.005742 | 91,650 | 526 | 91,387 | 2,720,551 | 29.68 |
| 50–51 | 0.006327 | 91,124 | 577 | 90,835 | 2,629,164 | 28.85 |
| 51–52 | 0.006921 | 90,547 | 627 | 90,234 | 2,538,329 | 28.03 |
| 52–53 | 0.007544 | 89,920 | 678 | 89,581 | 2,448,095 | 27.23 |

Table 16. Life table for the non-Hispanic black population: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table16.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.008204 | 89,242 | 732 | 88,876 | 2,358,514 | 26.43 |
| 54–55 | 0.008913 | 88,510 | 789 | 88,115 | 2,269,638 | 25.64 |
| 55–56 | 0.009696 | 87,721 | 851 | 87,296 | 2,181,523 | 24.87 |
| 56–57 | 0.010538 | 86,870 | 915 | 86,413 | 2,094,227 | 24.11 |
| 57–58 | 0.011387 | 85,955 | 979 | 85,466 | 2,007,815 | 23.36 |
| 58–59 | 0.012203 | 84,976 | 1,037 | 84,458 | 1,922,349 | 22.62 |
| 59–60 | 0.012993 | 83,939 | 1,091 | 83,394 | 1,837,891 | 21.90 |
| 60–61 | 0.013829 | 82,849 | 1,146 | 82,276 | 1,754,498 | 21.18 |
| 61–62 | 0.014745 | 81,703 | 1,205 | 81,101 | 1,672,222 | 20.47 |
| 62–63 | 0.015706 | 80,498 | 1,264 | 79,866 | 1,591,121 | 19.77 |
| 63–64 | 0.016728 | 79,234 | 1,325 | 78,571 | 1,511,255 | 19.07 |
| 64–65 | 0.017842 | 77,908 | 1,390 | 77,213 | 1,432,684 | 18.39 |
| 65–66 | 0.019088 | 76,518 | 1,461 | 75,788 | 1,355,471 | 17.71 |
| 66–67 | 0.020506 | 75,058 | 1,539 | 74,288 | 1,279,683 | 17.05 |
| 67–68 | 0.022010 | 73,519 | 1,618 | 72,710 | 1,205,394 | 16.40 |
| 68–69 | 0.023646 | 71,901 | 1,700 | 71,050 | 1,132,685 | 15.75 |
| 69–70 | 0.025311 | 70,200 | 1,777 | 69,312 | 1,061,634 | 15.12 |
| 70–71 | 0.027080 | 68,424 | 1,853 | 67,497 | 992,322 | 14.50 |
| 71–72 | 0.028954 | 66,571 | 1,927 | 65,607 | 924,825 | 13.89 |
| 72–73 | 0.031106 | 64,643 | 2,011 | 63,638 | 859,218 | 13.29 |
| 73–74 | 0.033410 | 62,632 | 2,093 | 61,586 | 795,581 | 12.70 |
| 74–75 | 0.036139 | 60,540 | 2,188 | 59,446 | 733,995 | 12.12 |
| 75–76 | 0.039000 | 58,352 | 2,276 | 57,214 | 674,549 | 11.56 |
| 76–77 | 0.042256 | 56,076 | 2,370 | 54,891 | 617,335 | 11.01 |
| 77–78 | 0.045441 | 53,707 | 2,440 | 52,486 | 562,443 | 10.47 |
| 78–79 | 0.049668 | 51,266 | 2,546 | 49,993 | 509,957 | 9.95 |
| 79–80 | 0.053541 | 48,720 | 2,609 | 47,416 | 459,964 | 9.44 |
| 80–81 | 0.058912 | 46,111 | 2,717 | 44,753 | 412,548 | 8.95 |
| 81–82 | 0.063812 | 43,395 | 2,769 | 42,010 | 367,795 | 8.48 |
| 82–83 | 0.069075 | 40,626 | 2,806 | 39,223 | 325,785 | 8.02 |
| 83–84 | 0.075494 | 37,820 | 2,855 | 36,392 | 286,562 | 7.58 |
| 84–85 | 0.082355 | 34,964 | 2,880 | 33,525 | 250,170 | 7.15 |
| 85–86 | 0.089746 | 32,085 | 2,879 | 30,645 | 216,645 | 6.75 |
| 86–87 | 0.097688 | 29,205 | 2,853 | 27,779 | 186,000 | 6.37 |
| 87–88 | 0.106204 | 26,352 | 2,799 | 24,953 | 158,221 | 6.00 |
| 88–89 | 0.115312 | 23,554 | 2,716 | 22,196 | 133,268 | 5.66 |
| 89–90 | 0.125027 | 20,838 | 2,605 | 19,535 | 111,073 | 5.33 |
| 90–91 | 0.135360 | 18,232 | 2,468 | 16,998 | 91,538 | 5.02 |
| 91–92 | 0.146315 | 15,764 | 2,307 | 14,611 | 74,539 | 4.73 |
| 92–93 | 0.157894 | 13,458 | 2,125 | 12,395 | 59,928 | 4.45 |
| 93–94 | 0.170090 | 11,333 | 1,928 | 10,369 | 47,533 | 4.19 |
| 94–95 | 0.182888 | 9,405 | 1,720 | 8,545 | 37,164 | 3.95 |
| 95–96 | 0.196270 | 7,685 | 1,508 | 6,931 | 28,618 | 3.72 |
| 96–97 | 0.210205 | 6,177 | 1,298 | 5,528 | 21,687 | 3.51 |
| 97–98 | 0.224657 | 4,878 | 1,096 | 4,330 | 16,160 | 3.31 |
| 98–99 | 0.239581 | 3,782 | 906 | 3,329 | 11,829 | 3.13 |
| 99–100 | 0.254925 | 2,876 | 733 | 2,510 | 8,500 | 2.96 |
| 100–101 | 0.270628 | 2,143 | 580 | 1,853 | 5,990 | 2.80 |
| 101–102 | 0.286626 | 1,563 | 448 | 1,339 | 4,137 | 2.65 |
| 102–103 | 0.302846 | 1,115 | 338 | 946 | 2,798 | 2.51 |
| 103–104 | 0.319213 | 777 | 248 | 653 | 1,852 | 2.38 |
| 104–105 | 0.335648 | 529 | 178 | 440 | 1,199 | 2.27 |
| 105–106 | 0.352073 | 352 | 124 | 290 | 758 | 2.16 |
| 106–107 | 0.368406 | 228 | 84 | 186 | 469 | 2.06 |
| 107–108 | 0.384571 | 144 | 55 | 116 | 283 | 1.97 |
| 108–109 | 0.400493 | 89 | 35 | 71 | 167 | 1.88 |
| 109–110 | 0.416101 | 53 | 22 | 42 | 96 | 1.80 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 17. Life table for non-Hispanic black males: United States, 2009–2011Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table17.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1..... | 0.005567 | 100,000 | 557 | 274 | 7,141,455 | 71.41 |
| 1–7..... | 0.001296 | 99,443 | 129 | 1,634 | 7,141,181 | 71.81 |
| 7–28..... | 0.001603 | 99,314 | 159 | 5,709 | 7,139,547 | 71.89 |
| 28–365..... | 0.004511 | 99,155 | 447 | 91,342 | 7,133,838 | 71.95 |
| Years | | | | | | |
| 0–1..... | 0.012921 | 100,000 | 1,292 | 98,959 | 7,141,455 | 71.41 |
| 1–2..... | 0.000682 | 98,708 | 67 | 98,674 | 7,042,496 | 71.35 |
| 2–3..... | 0.000477 | 98,641 | 47 | 98,617 | 6,943,822 | 70.40 |
| 3–4..... | 0.000323 | 98,594 | 32 | 98,578 | 6,845,205 | 69.43 |
| 4–5..... | 0.000258 | 98,562 | 25 | 98,549 | 6,746,627 | 68.45 |
| 5–6..... | 0.000237 | 98,536 | 23 | 98,525 | 6,648,078 | 67.47 |
| 6–7..... | 0.000212 | 98,513 | 21 | 98,503 | 6,549,553 | 66.48 |
| 7–8..... | 0.000187 | 98,492 | 18 | 98,483 | 6,451,051 | 65.50 |
| 8–9..... | 0.000153 | 98,474 | 15 | 98,466 | 6,352,568 | 64.51 |
| 9–10..... | 0.000114 | 98,459 | 11 | 98,453 | 6,254,102 | 63.52 |
| 10–11..... | 0.000083 | 98,447 | 8 | 98,443 | 6,155,649 | 62.53 |
| 11–12..... | 0.000087 | 98,439 | 9 | 98,435 | 6,057,206 | 61.53 |
| 12–13..... | 0.000158 | 98,431 | 16 | 98,423 | 5,958,771 | 60.54 |
| 13–14..... | 0.000304 | 98,415 | 30 | 98,400 | 5,860,348 | 59.55 |
| 14–15..... | 0.000498 | 98,385 | 49 | 98,361 | 5,761,948 | 58.57 |
| 15–16..... | 0.000692 | 98,336 | 68 | 98,302 | 5,663,587 | 57.59 |
| 16–17..... | 0.000869 | 98,268 | 85 | 98,225 | 5,565,285 | 56.63 |
| 17–18..... | 0.001053 | 98,183 | 103 | 98,131 | 5,467,059 | 55.68 |
| 18–19..... | 0.001255 | 98,079 | 123 | 98,018 | 5,368,928 | 54.74 |
| 19–20..... | 0.001476 | 97,956 | 145 | 97,884 | 5,270,911 | 53.81 |
| 20–21..... | 0.001734 | 97,812 | 170 | 97,727 | 5,173,027 | 52.89 |
| 21–22..... | 0.001989 | 97,642 | 194 | 97,545 | 5,075,300 | 51.98 |
| 22–23..... | 0.002181 | 97,448 | 213 | 97,342 | 4,977,755 | 51.08 |
| 23–24..... | 0.002262 | 97,235 | 220 | 97,125 | 4,880,413 | 50.19 |
| 24–25..... | 0.002253 | 97,015 | 219 | 96,906 | 4,783,288 | 49.30 |
| 25–26..... | 0.002211 | 96,797 | 214 | 96,690 | 4,686,382 | 48.41 |
| 26–27..... | 0.002185 | 96,583 | 211 | 96,477 | 4,589,692 | 47.52 |
| 27–28..... | 0.002169 | 96,372 | 209 | 96,267 | 4,493,215 | 46.62 |
| 28–29..... | 0.002184 | 96,163 | 210 | 96,058 | 4,396,947 | 45.72 |
| 29–30..... | 0.002225 | 95,953 | 213 | 95,846 | 4,300,890 | 44.82 |
| 30–31..... | 0.002269 | 95,739 | 217 | 95,631 | 4,205,044 | 43.92 |
| 31–32..... | 0.002307 | 95,522 | 220 | 95,412 | 4,109,413 | 43.02 |
| 32–33..... | 0.002353 | 95,302 | 224 | 95,190 | 4,014,001 | 42.12 |
| 33–34..... | 0.002411 | 95,077 | 229 | 94,963 | 3,918,811 | 41.22 |
| 34–35..... | 0.002481 | 94,848 | 235 | 94,731 | 3,823,849 | 40.32 |
| 35–36..... | 0.002571 | 94,613 | 243 | 94,491 | 3,729,118 | 39.41 |
| 36–37..... | 0.002681 | 94,370 | 253 | 94,243 | 3,634,627 | 38.51 |
| 37–38..... | 0.002805 | 94,117 | 264 | 93,985 | 3,540,384 | 37.62 |
| 38–39..... | 0.002946 | 93,853 | 276 | 93,714 | 3,446,399 | 36.72 |
| 39–40..... | 0.003107 | 93,576 | 291 | 93,431 | 3,352,685 | 35.83 |
| 40–41..... | 0.003295 | 93,285 | 307 | 93,132 | 3,259,254 | 34.94 |
| 41–42..... | 0.003519 | 92,978 | 327 | 92,814 | 3,166,123 | 34.05 |
| 42–43..... | 0.003780 | 92,651 | 350 | 92,476 | 3,073,308 | 33.17 |
| 43–44..... | 0.004080 | 92,301 | 377 | 92,112 | 2,980,832 | 32.29 |
| 44–45..... | 0.004415 | 91,924 | 406 | 91,721 | 2,888,720 | 31.43 |
| 45–46..... | 0.004756 | 91,518 | 435 | 91,300 | 2,796,999 | 30.56 |
| 46–47..... | 0.005132 | 91,083 | 467 | 90,849 | 2,705,699 | 29.71 |
| 47–48..... | 0.005605 | 90,615 | 508 | 90,361 | 2,614,850 | 28.86 |
| 48–49..... | 0.006209 | 90,107 | 559 | 89,828 | 2,524,488 | 28.02 |
| 49–50..... | 0.006920 | 89,548 | 620 | 89,238 | 2,434,661 | 27.19 |
| 50–51..... | 0.007677 | 88,928 | 683 | 88,587 | 2,345,422 | 26.37 |
| 51–52..... | 0.008446 | 88,246 | 745 | 87,873 | 2,256,835 | 25.57 |
| 52–53..... | 0.009275 | 87,500 | 812 | 87,095 | 2,168,962 | 24.79 |

Table 17. Life table for non-Hispanic black males: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table17.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.010182 | 86,689 | 883 | 86,247 | 2,081,868 | 24.02 |
| 54–55 | 0.011181 | 85,806 | 959 | 85,326 | 1,995,620 | 23.26 |
| 55–56 | 0.012303 | 84,847 | 1,044 | 84,325 | 1,910,294 | 22.51 |
| 56–57 | 0.013506 | 83,803 | 1,132 | 83,237 | 1,825,969 | 21.79 |
| 57–58 | 0.014702 | 82,671 | 1,215 | 82,063 | 1,742,732 | 21.08 |
| 58–59 | 0.015806 | 81,456 | 1,288 | 80,812 | 1,660,669 | 20.39 |
| 59–60 | 0.016832 | 80,168 | 1,349 | 79,493 | 1,579,857 | 19.71 |
| 60–61 | 0.017896 | 78,819 | 1,411 | 78,113 | 1,500,364 | 19.04 |
| 61–62 | 0.019068 | 77,408 | 1,476 | 76,670 | 1,422,250 | 18.37 |
| 62–63 | 0.020283 | 75,932 | 1,540 | 75,162 | 1,345,580 | 17.72 |
| 63–64 | 0.021567 | 74,392 | 1,604 | 73,590 | 1,270,418 | 17.08 |
| 64–65 | 0.022961 | 72,788 | 1,671 | 71,952 | 1,196,828 | 16.44 |
| 65–66 | 0.024511 | 71,116 | 1,743 | 70,245 | 1,124,876 | 15.82 |
| 66–67 | 0.026267 | 69,373 | 1,822 | 68,462 | 1,054,631 | 15.20 |
| 67–68 | 0.028135 | 67,551 | 1,901 | 66,601 | 986,169 | 14.60 |
| 68–69 | 0.030169 | 65,650 | 1,981 | 64,660 | 919,568 | 14.01 |
| 69–70 | 0.032206 | 63,670 | 2,051 | 62,645 | 854,908 | 13.43 |
| 70–71 | 0.034391 | 61,619 | 2,119 | 60,560 | 792,264 | 12.86 |
| 71–72 | 0.036557 | 59,500 | 2,175 | 58,413 | 731,704 | 12.30 |
| 72–73 | 0.039334 | 57,325 | 2,255 | 56,198 | 673,291 | 11.75 |
| 73–74 | 0.042231 | 55,070 | 2,326 | 53,907 | 617,094 | 11.21 |
| 74–75 | 0.045455 | 52,745 | 2,398 | 51,546 | 563,186 | 10.68 |
| 75–76 | 0.049137 | 50,347 | 2,474 | 49,110 | 511,641 | 10.16 |
| 76–77 | 0.053329 | 47,873 | 2,553 | 46,597 | 462,531 | 9.66 |
| 77–78 | 0.057048 | 45,320 | 2,585 | 44,027 | 415,934 | 9.18 |
| 78–79 | 0.062376 | 42,735 | 2,666 | 41,402 | 371,907 | 8.70 |
| 79–80 | 0.067291 | 40,069 | 2,696 | 38,721 | 330,505 | 8.25 |
| 80–81 | 0.073519 | 37,373 | 2,748 | 35,999 | 291,784 | 7.81 |
| 81–82 | 0.078943 | 34,625 | 2,733 | 33,258 | 255,785 | 7.39 |
| 82–83 | 0.085624 | 31,892 | 2,731 | 30,526 | 222,526 | 6.98 |
| 83–84 | 0.095761 | 29,161 | 2,793 | 27,765 | 192,000 | 6.58 |
| 84–85 | 0.103519 | 26,369 | 2,730 | 25,004 | 164,235 | 6.23 |
| 85–86 | 0.111782 | 23,639 | 2,642 | 22,318 | 139,231 | 5.89 |
| 86–87 | 0.120564 | 20,997 | 2,531 | 19,731 | 116,913 | 5.57 |
| 87–88 | 0.129873 | 18,465 | 2,398 | 17,266 | 97,183 | 5.26 |
| 88–89 | 0.139718 | 16,067 | 2,245 | 14,945 | 79,917 | 4.97 |
| 89–90 | 0.150101 | 13,822 | 2,075 | 12,785 | 64,972 | 4.70 |
| 90–91 | 0.161019 | 11,747 | 1,892 | 10,802 | 52,187 | 4.44 |
| 91–92 | 0.172466 | 9,856 | 1,700 | 9,006 | 41,386 | 4.20 |
| 92–93 | 0.184430 | 8,156 | 1,504 | 7,404 | 32,380 | 3.97 |
| 93–94 | 0.196893 | 6,652 | 1,310 | 5,997 | 24,976 | 3.75 |
| 94–95 | 0.209833 | 5,342 | 1,121 | 4,782 | 18,979 | 3.55 |
| 95–96 | 0.223218 | 4,221 | 942 | 3,750 | 14,197 | 3.36 |
| 96–97 | 0.237014 | 3,279 | 777 | 2,890 | 10,447 | 3.19 |
| 97–98 | 0.251180 | 2,502 | 628 | 2,188 | 7,557 | 3.02 |
| 98–99 | 0.265670 | 1,873 | 498 | 1,625 | 5,369 | 2.87 |
| 99–100 | 0.280430 | 1,376 | 386 | 1,183 | 3,744 | 2.72 |
| 100–101 | 0.295407 | 990 | 292 | 844 | 2,562 | 2.59 |
| 101–102 | 0.310541 | 697 | 217 | 589 | 1,718 | 2.46 |
| 102–103 | 0.325769 | 481 | 157 | 403 | 1,129 | 2.35 |
| 103–104 | 0.341030 | 324 | 111 | 269 | 726 | 2.24 |
| 104–105 | 0.356258 | 214 | 76 | 176 | 457 | 2.14 |
| 105–106 | 0.371390 | 138 | 51 | 112 | 282 | 2.05 |
| 106–107 | 0.386365 | 86 | 33 | 70 | 170 | 1.96 |
| 107–108 | 0.401124 | 53 | 21 | 42 | 100 | 1.88 |
| 108–109 | 0.415611 | 32 | 13 | 25 | 58 | 1.81 |
| 109–110 | 0.429774 | 19 | 8 | 15 | 32 | 1.74 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 18. Life table for non-Hispanic black females: United States, 2009–2011

Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table18.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------|---|---|--|--------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Days | | | | | | |
| 0–1 | 0.004639 | 100,000 | 464 | 274 | 7,761,960 | 77.62 |
| 1–7 | 0.000977 | 99,536 | 97 | 1,635 | 7,761,686 | 77.98 |
| 7–28 | 0.001396 | 99,439 | 139 | 5,717 | 7,760,051 | 78.04 |
| 28–365 | 0.003517 | 99,300 | 349 | 91,521 | 7,754,333 | 78.09 |
| Years | | | | | | |
| 0–1 | 0.010493 | 100,000 | 1,049 | 99,148 | 7,761,960 | 77.62 |
| 1–2 | 0.000652 | 98,951 | 65 | 98,918 | 7,662,812 | 77.44 |
| 2–3 | 0.000369 | 98,886 | 36 | 98,868 | 7,563,894 | 76.49 |
| 3–4 | 0.000260 | 98,850 | 26 | 98,837 | 7,465,026 | 75.52 |
| 4–5 | 0.000217 | 98,824 | 21 | 98,813 | 7,366,189 | 74.54 |
| 5–6 | 0.000195 | 98,803 | 19 | 98,793 | 7,267,376 | 73.55 |
| 6–7 | 0.000167 | 98,783 | 16 | 98,775 | 7,168,583 | 72.57 |
| 7–8 | 0.000147 | 98,767 | 15 | 98,759 | 7,069,808 | 71.58 |
| 8–9 | 0.000134 | 98,752 | 13 | 98,746 | 6,971,048 | 70.59 |
| 9–10 | 0.000129 | 98,739 | 13 | 98,733 | 6,872,303 | 69.60 |
| 10–11 | 0.000130 | 98,726 | 13 | 98,720 | 6,773,570 | 68.61 |
| 11–12 | 0.000140 | 98,713 | 14 | 98,707 | 6,674,850 | 67.62 |
| 12–13 | 0.000159 | 98,700 | 16 | 98,692 | 6,576,144 | 66.63 |
| 13–14 | 0.000186 | 98,684 | 18 | 98,675 | 6,477,452 | 65.64 |
| 14–15 | 0.000219 | 98,666 | 22 | 98,655 | 6,378,777 | 64.65 |
| 15–16 | 0.000254 | 98,644 | 25 | 98,631 | 6,280,123 | 63.66 |
| 16–17 | 0.000290 | 98,619 | 29 | 98,605 | 6,181,491 | 62.68 |
| 17–18 | 0.000332 | 98,590 | 33 | 98,574 | 6,082,887 | 61.70 |
| 18–19 | 0.000385 | 98,558 | 38 | 98,539 | 5,984,313 | 60.72 |
| 19–20 | 0.000447 | 98,520 | 44 | 98,498 | 5,885,774 | 59.74 |
| 20–21 | 0.000520 | 98,476 | 51 | 98,450 | 5,787,277 | 58.77 |
| 21–22 | 0.000594 | 98,424 | 58 | 98,395 | 5,688,827 | 57.80 |
| 22–23 | 0.000658 | 98,366 | 65 | 98,334 | 5,590,432 | 56.83 |
| 23–24 | 0.000704 | 98,301 | 69 | 98,267 | 5,492,098 | 55.87 |
| 24–25 | 0.000737 | 98,232 | 72 | 98,196 | 5,393,832 | 54.91 |
| 25–26 | 0.000768 | 98,160 | 75 | 98,122 | 5,295,636 | 53.95 |
| 26–27 | 0.000808 | 98,084 | 79 | 98,044 | 5,197,514 | 52.99 |
| 27–28 | 0.000853 | 98,005 | 84 | 97,963 | 5,099,470 | 52.03 |
| 28–29 | 0.000906 | 97,921 | 89 | 97,877 | 5,001,507 | 51.08 |
| 29–30 | 0.000967 | 97,832 | 95 | 97,785 | 4,903,630 | 50.12 |
| 30–31 | 0.001035 | 97,738 | 101 | 97,687 | 4,805,845 | 49.17 |
| 31–32 | 0.001107 | 97,637 | 108 | 97,583 | 4,708,157 | 48.22 |
| 32–33 | 0.001183 | 97,529 | 115 | 97,471 | 4,610,575 | 47.27 |
| 33–34 | 0.001262 | 97,413 | 123 | 97,352 | 4,513,104 | 46.33 |
| 34–35 | 0.001345 | 97,290 | 131 | 97,225 | 4,415,752 | 45.39 |
| 35–36 | 0.001440 | 97,159 | 140 | 97,089 | 4,318,527 | 44.45 |
| 36–37 | 0.001548 | 97,019 | 150 | 96,944 | 4,221,438 | 43.51 |
| 37–38 | 0.001668 | 96,869 | 162 | 96,789 | 4,124,493 | 42.58 |
| 38–39 | 0.001802 | 96,708 | 174 | 96,621 | 4,027,705 | 41.65 |
| 39–40 | 0.001954 | 96,533 | 189 | 96,439 | 3,931,084 | 40.72 |
| 40–41 | 0.002119 | 96,345 | 204 | 96,243 | 3,834,645 | 39.80 |
| 41–42 | 0.002304 | 96,141 | 222 | 96,030 | 3,738,402 | 38.88 |
| 42–43 | 0.002522 | 95,919 | 242 | 95,798 | 3,642,372 | 37.97 |
| 43–44 | 0.002773 | 95,677 | 265 | 95,545 | 3,546,574 | 37.07 |
| 44–45 | 0.003046 | 95,412 | 291 | 95,267 | 3,451,030 | 36.17 |
| 45–46 | 0.003320 | 95,121 | 316 | 94,963 | 3,355,763 | 35.28 |
| 46–47 | 0.003601 | 94,805 | 341 | 94,635 | 3,260,800 | 34.39 |
| 47–48 | 0.003918 | 94,464 | 370 | 94,279 | 3,166,165 | 33.52 |
| 48–49 | 0.004286 | 94,094 | 403 | 93,892 | 3,071,886 | 32.65 |
| 49–50 | 0.004696 | 93,691 | 440 | 93,471 | 2,977,994 | 31.79 |
| 50–51 | 0.005132 | 93,251 | 479 | 93,011 | 2,884,523 | 30.93 |
| 51–52 | 0.005572 | 92,772 | 517 | 92,514 | 2,791,512 | 30.09 |
| 52–53 | 0.006017 | 92,255 | 555 | 91,978 | 2,698,998 | 29.26 |

Table 18. Life table for non-Hispanic black females: United States, 2009–2011—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-08/Table18.xlsx.

| Age | Probability of dying between ages x and $x + n$ | Number surviving to age x | Number dying between ages x and $x + n$ | Person-years lived between ages x and $x + n$ | Total number of person-years lived above age x | Expectation of life at age x |
|----------------|---|-----------------------------------|---|---|--|-----------------------------------|
| x to $x + n$ | ${}_nq_x$ | l_x | ${}_nd_x$ | ${}_nL_x$ | T_x | e_x |
| Years—Con. | | | | | | |
| 53–54 | 0.006467 | 91,700 | 593 | 91,404 | 2,607,020 | 28.43 |
| 54–55 | 0.006935 | 91,107 | 632 | 90,791 | 2,515,617 | 27.61 |
| 55–56 | 0.007443 | 90,475 | 673 | 90,139 | 2,424,825 | 26.80 |
| 56–57 | 0.007996 | 89,802 | 718 | 89,443 | 2,334,687 | 26.00 |
| 57–58 | 0.008573 | 89,084 | 764 | 88,702 | 2,245,244 | 25.20 |
| 58–59 | 0.009163 | 88,320 | 809 | 87,915 | 2,156,542 | 24.42 |
| 59–60 | 0.009772 | 87,511 | 855 | 87,083 | 2,068,627 | 23.64 |
| 60–61 | 0.010430 | 86,656 | 904 | 86,204 | 1,981,543 | 22.87 |
| 61–62 | 0.011154 | 85,752 | 956 | 85,274 | 1,895,339 | 22.10 |
| 62–63 | 0.011932 | 84,795 | 1,012 | 84,290 | 1,810,066 | 21.35 |
| 63–64 | 0.012780 | 83,784 | 1,071 | 83,248 | 1,725,776 | 20.60 |
| 64–65 | 0.013719 | 82,713 | 1,135 | 82,146 | 1,642,528 | 19.86 |
| 65–66 | 0.014789 | 81,578 | 1,206 | 80,975 | 1,560,383 | 19.13 |
| 66–67 | 0.016005 | 80,372 | 1,286 | 79,729 | 1,479,408 | 18.41 |
| 67–68 | 0.017291 | 79,085 | 1,367 | 78,402 | 1,399,679 | 17.70 |
| 68–69 | 0.018683 | 77,718 | 1,452 | 76,992 | 1,321,278 | 17.00 |
| 69–70 | 0.020120 | 76,266 | 1,534 | 75,499 | 1,244,286 | 16.32 |
| 70–71 | 0.021630 | 74,731 | 1,616 | 73,923 | 1,168,787 | 15.64 |
| 71–72 | 0.023353 | 73,115 | 1,707 | 72,261 | 1,094,864 | 14.97 |
| 72–73 | 0.025122 | 71,407 | 1,794 | 70,510 | 1,022,603 | 14.32 |
| 73–74 | 0.027120 | 69,614 | 1,888 | 68,670 | 952,092 | 13.68 |
| 74–75 | 0.029647 | 67,726 | 2,008 | 66,722 | 883,423 | 13.04 |
| 75–76 | 0.032110 | 65,718 | 2,110 | 64,663 | 816,701 | 12.43 |
| 76–77 | 0.034909 | 63,608 | 2,221 | 62,497 | 752,038 | 11.82 |
| 77–78 | 0.037960 | 61,387 | 2,330 | 60,222 | 689,541 | 11.23 |
| 78–79 | 0.041735 | 59,057 | 2,465 | 57,824 | 629,319 | 10.66 |
| 79–80 | 0.045261 | 56,592 | 2,561 | 55,311 | 571,495 | 10.10 |
| 80–81 | 0.050441 | 54,031 | 2,725 | 52,668 | 516,183 | 9.55 |
| 81–82 | 0.055377 | 51,305 | 2,841 | 49,885 | 463,515 | 9.03 |
| 82–83 | 0.060184 | 48,464 | 2,917 | 47,006 | 413,630 | 8.53 |
| 83–84 | 0.065995 | 45,547 | 3,006 | 44,044 | 366,625 | 8.05 |
| 84–85 | 0.072617 | 42,541 | 3,089 | 40,997 | 322,580 | 7.58 |
| 85–86 | 0.079815 | 39,452 | 3,149 | 37,878 | 281,583 | 7.14 |
| 86–87 | 0.087622 | 36,303 | 3,181 | 34,713 | 243,706 | 6.71 |
| 87–88 | 0.096067 | 33,122 | 3,182 | 31,531 | 208,993 | 6.31 |
| 88–89 | 0.105178 | 29,940 | 3,149 | 28,366 | 177,461 | 5.93 |
| 89–90 | 0.114978 | 26,791 | 3,080 | 25,251 | 149,095 | 5.57 |
| 90–91 | 0.125489 | 23,711 | 2,975 | 22,223 | 123,844 | 5.22 |
| 91–92 | 0.136721 | 20,735 | 2,835 | 19,318 | 101,621 | 4.90 |
| 92–93 | 0.148683 | 17,900 | 2,662 | 16,570 | 82,303 | 4.60 |
| 93–94 | 0.161373 | 15,239 | 2,459 | 14,009 | 65,733 | 4.31 |
| 94–95 | 0.174780 | 12,780 | 2,234 | 11,663 | 51,724 | 4.05 |
| 95–96 | 0.188885 | 10,546 | 1,992 | 9,550 | 40,061 | 3.80 |
| 96–97 | 0.203657 | 8,554 | 1,742 | 7,683 | 30,511 | 3.57 |
| 97–98 | 0.219055 | 6,812 | 1,492 | 6,066 | 22,828 | 3.35 |
| 98–99 | 0.235025 | 5,320 | 1,250 | 4,695 | 16,762 | 3.15 |
| 99–100 | 0.251506 | 4,070 | 1,024 | 3,558 | 12,067 | 2.97 |
| 100–101 | 0.268424 | 3,046 | 818 | 2,637 | 8,509 | 2.79 |
| 101–102 | 0.285697 | 2,228 | 637 | 1,910 | 5,872 | 2.64 |
| 102–103 | 0.303234 | 1,592 | 483 | 1,350 | 3,962 | 2.49 |
| 103–104 | 0.320942 | 1,109 | 356 | 931 | 2,612 | 2.35 |
| 104–105 | 0.338720 | 753 | 255 | 626 | 1,681 | 2.23 |
| 105–106 | 0.356467 | 498 | 178 | 409 | 1,055 | 2.12 |
| 106–107 | 0.374083 | 320 | 120 | 261 | 646 | 2.01 |
| 107–108 | 0.391472 | 201 | 79 | 161 | 385 | 1.92 |
| 108–109 | 0.408540 | 122 | 50 | 97 | 224 | 1.83 |
| 109–110 | 0.425202 | 72 | 31 | 57 | 127 | 1.75 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 19. Standard errors of the probability of dying: United States, 2009–2011

| Age | Total | | | White | | | Black | | | Hispanic | | | Non-Hispanic white | | | Non-Hispanic black | | |
|-------|------------|----------|----------|------------|----------|----------|------------|----------|----------|------------|----------|----------|--------------------|----------|----------|--------------------|----------|----------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 0–1 | 0.000039 | 0.000056 | 0.000053 | 0.000041 | 0.000059 | 0.000056 | 0.000132 | 0.000192 | 0.000180 | 0.000074 | 0.000107 | 0.000102 | 0.000048 | 0.000069 | 0.000067 | 0.000133 | 0.000194 | 0.000181 |
| 1–2 | 0.000006 | 0.000008 | 0.000008 | 0.000006 | 0.000009 | 0.000009 | 0.000018 | 0.000026 | 0.000026 | 0.000011 | 0.000016 | 0.000016 | 0.000007 | 0.000011 | 0.000010 | 0.000020 | 0.000027 | 0.000027 |
| 2–3 | 0.000005 | 0.000007 | 0.000006 | 0.000005 | 0.000008 | 0.000007 | 0.000014 | 0.000022 | 0.000019 | 0.000009 | 0.000013 | 0.000012 | 0.000006 | 0.000010 | 0.000008 | 0.000016 | 0.000023 | 0.000020 |
| 3–4 | 0.000004 | 0.000006 | 0.000006 | 0.000005 | 0.000007 | 0.000006 | 0.000012 | 0.000018 | 0.000016 | 0.000008 | 0.000011 | 0.000011 | 0.000006 | 0.000009 | 0.000007 | 0.000013 | 0.000019 | 0.000017 |
| 4–5 | 0.000004 | 0.000005 | 0.000005 | 0.000004 | 0.000006 | 0.000006 | 0.000011 | 0.000016 | 0.000015 | 0.000007 | 0.000010 | 0.000009 | 0.000005 | 0.000007 | 0.000006 | 0.000012 | 0.000017 | 0.000016 |
| 5–6 | 0.000004 | 0.000005 | 0.000005 | 0.000004 | 0.000006 | 0.000005 | 0.000010 | 0.000015 | 0.000014 | 0.000007 | 0.000010 | 0.000009 | 0.000005 | 0.000007 | 0.000006 | 0.000011 | 0.000016 | 0.000015 |
| 6–7 | 0.000003 | 0.000005 | 0.000004 | 0.000004 | 0.000005 | 0.000005 | 0.000010 | 0.000014 | 0.000013 | 0.000006 | 0.000009 | 0.000008 | 0.000004 | 0.000007 | 0.000005 | 0.000011 | 0.000015 | 0.000014 |
| 7–8 | 0.000003 | 0.000005 | 0.000004 | 0.000003 | 0.000005 | 0.000005 | 0.000009 | 0.000014 | 0.000012 | 0.000006 | 0.000008 | 0.000008 | 0.000004 | 0.000006 | 0.000005 | 0.000010 | 0.000014 | 0.000013 |
| 8–9 | 0.000003 | 0.000004 | 0.000004 | 0.000003 | 0.000005 | 0.000004 | 0.000008 | 0.000012 | 0.000011 | 0.000006 | 0.000008 | 0.000008 | 0.000004 | 0.000006 | 0.000005 | 0.000009 | 0.000013 | 0.000012 |
| 9–10 | 0.000003 | 0.000004 | 0.000004 | 0.000003 | 0.000004 | 0.000004 | 0.000008 | 0.000011 | 0.000011 | 0.000005 | 0.000007 | 0.000008 | 0.000004 | 0.000005 | 0.000005 | 0.000009 | 0.000011 | 0.000012 |
| 10–11 | 0.000003 | 0.000004 | 0.000004 | 0.000003 | 0.000004 | 0.000004 | 0.000007 | 0.000010 | 0.000011 | 0.000005 | 0.000007 | 0.000008 | 0.000003 | 0.000005 | 0.000004 | 0.000008 | 0.000009 | 0.000012 |
| 11–12 | 0.000003 | 0.000004 | 0.000004 | 0.000003 | 0.000004 | 0.000004 | 0.000008 | 0.000010 | 0.000012 | 0.000005 | 0.000007 | 0.000008 | 0.000003 | 0.000005 | 0.000004 | 0.000008 | 0.000010 | 0.000012 |
| 12–13 | 0.000003 | 0.000005 | 0.000004 | 0.000003 | 0.000005 | 0.000005 | 0.000009 | 0.000013 | 0.000012 | 0.000006 | 0.000009 | 0.000009 | 0.000004 | 0.000006 | 0.000005 | 0.000010 | 0.000013 | 0.000013 |
| 13–14 | 0.000004 | 0.000006 | 0.000005 | 0.000004 | 0.000006 | 0.000005 | 0.000011 | 0.000017 | 0.000013 | 0.000008 | 0.000011 | 0.000010 | 0.000005 | 0.000008 | 0.000006 | 0.000012 | 0.000018 | 0.000014 |
| 14–15 | 0.000004 | 0.000007 | 0.000005 | 0.000005 | 0.000008 | 0.000006 | 0.000013 | 0.000021 | 0.000014 | 0.000009 | 0.000014 | 0.000011 | 0.000006 | 0.000009 | 0.000007 | 0.000014 | 0.000022 | 0.000015 |
| 15–16 | 0.000005 | 0.000008 | 0.000006 | 0.000006 | 0.000009 | 0.000007 | 0.000014 | 0.000024 | 0.000015 | 0.000010 | 0.000017 | 0.000012 | 0.000007 | 0.000010 | 0.000008 | 0.000015 | 0.000026 | 0.000016 |
| 16–17 | 0.000006 | 0.000009 | 0.000006 | 0.000006 | 0.000010 | 0.000007 | 0.000015 | 0.000026 | 0.000016 | 0.000011 | 0.000019 | 0.000013 | 0.000007 | 0.000012 | 0.000009 | 0.000017 | 0.000028 | 0.000017 |
| 17–18 | 0.000006 | 0.000010 | 0.000007 | 0.000007 | 0.000011 | 0.000008 | 0.000017 | 0.000029 | 0.000016 | 0.000012 | 0.000020 | 0.000013 | 0.000008 | 0.000013 | 0.000009 | 0.000018 | 0.000031 | 0.000018 |
| 18–19 | 0.000007 | 0.000011 | 0.000007 | 0.000007 | 0.000012 | 0.000008 | 0.000018 | 0.000032 | 0.000018 | 0.000013 | 0.000022 | 0.000014 | 0.000009 | 0.000014 | 0.000010 | 0.000020 | 0.000034 | 0.000019 |
| 19–20 | 0.000007 | 0.000012 | 0.000007 | 0.000008 | 0.000013 | 0.000009 | 0.000020 | 0.000035 | 0.000019 | 0.000014 | 0.000023 | 0.000015 | 0.000009 | 0.000015 | 0.000010 | 0.000022 | 0.000038 | 0.000021 |
| 20–21 | 0.000008 | 0.000013 | 0.000008 | 0.000008 | 0.000014 | 0.000009 | 0.000022 | 0.000038 | 0.000021 | 0.000015 | 0.000025 | 0.000016 | 0.000010 | 0.000016 | 0.000010 | 0.000024 | 0.000042 | 0.000023 |
| 21–22 | 0.000008 | 0.000014 | 0.000008 | 0.000009 | 0.000015 | 0.000009 | 0.000024 | 0.000042 | 0.000023 | 0.000016 | 0.000026 | 0.000017 | 0.000010 | 0.000017 | 0.000011 | 0.000026 | 0.000045 | 0.000025 |
| 22–23 | 0.000008 | 0.000014 | 0.000008 | 0.000009 | 0.000016 | 0.000010 | 0.000025 | 0.000045 | 0.000024 | 0.000016 | 0.000027 | 0.000017 | 0.000011 | 0.000018 | 0.000011 | 0.000027 | 0.000049 | 0.000026 |
| 23–24 | 0.000009 | 0.000014 | 0.000009 | 0.000010 | 0.000016 | 0.000010 | 0.000026 | 0.000046 | 0.000025 | 0.000017 | 0.000027 | 0.000017 | 0.000011 | 0.000019 | 0.000011 | 0.000028 | 0.000050 | 0.000028 |
| 24–25 | 0.000009 | 0.000015 | 0.000009 | 0.000010 | 0.000016 | 0.000010 | 0.000027 | 0.000047 | 0.000026 | 0.000017 | 0.000027 | 0.000017 | 0.000011 | 0.000019 | 0.000012 | 0.000029 | 0.000051 | 0.000028 |
| 25–26 | 0.000009 | 0.000014 | 0.000009 | 0.000010 | 0.000016 | 0.000010 | 0.000027 | 0.000048 | 0.000027 | 0.000017 | 0.000027 | 0.000017 | 0.000011 | 0.000019 | 0.000012 | 0.000029 | 0.000051 | 0.000029 |
| 26–27 | 0.000009 | 0.000014 | 0.000009 | 0.000010 | 0.000016 | 0.000010 | 0.000028 | 0.000048 | 0.000028 | 0.000016 | 0.000027 | 0.000017 | 0.000011 | 0.000019 | 0.000012 | 0.000029 | 0.000051 | 0.000030 |
| 27–28 | 0.000009 | 0.000015 | 0.000009 | 0.000010 | 0.000016 | 0.000011 | 0.000028 | 0.000049 | 0.000029 | 0.000017 | 0.000027 | 0.000017 | 0.000011 | 0.000019 | 0.000013 | 0.000030 | 0.000052 | 0.000031 |
| 28–29 | 0.000009 | 0.000015 | 0.000010 | 0.000010 | 0.000016 | 0.000011 | 0.000029 | 0.000050 | 0.000030 | 0.000017 | 0.000027 | 0.000018 | 0.000012 | 0.000019 | 0.000013 | 0.000030 | 0.000053 | 0.000032 |
| 29–30 | 0.000009 | 0.000015 | 0.000010 | 0.000010 | 0.000017 | 0.000011 | 0.000029 | 0.000051 | 0.000031 | 0.000017 | 0.000028 | 0.000018 | 0.000012 | 0.000020 | 0.000013 | 0.000031 | 0.000054 | 0.000034 |
| 30–31 | 0.000009 | 0.000015 | 0.000010 | 0.000010 | 0.000017 | 0.000012 | 0.000030 | 0.000051 | 0.000033 | 0.000017 | 0.000028 | 0.000018 | 0.000012 | 0.000020 | 0.000014 | 0.000032 | 0.000054 | 0.000035 |
| 31–32 | 0.000009 | 0.000016 | 0.000011 | 0.000011 | 0.000017 | 0.000012 | 0.000031 | 0.000052 | 0.000034 | 0.000018 | 0.000029 | 0.000019 | 0.000013 | 0.000021 | 0.000015 | 0.000032 | 0.000055 | 0.000036 |
| 32–33 | 0.000010 | 0.000016 | 0.000011 | 0.000011 | 0.000018 | 0.000013 | 0.000031 | 0.000053 | 0.000035 | 0.000018 | 0.000029 | 0.000019 | 0.000013 | 0.000021 | 0.000015 | 0.000033 | 0.000056 | 0.000038 |
| 33–34 | 0.000010 | 0.000016 | 0.000012 | 0.000011 | 0.000018 | 0.000013 | 0.000032 | 0.000054 | 0.000036 | 0.000018 | 0.000030 | 0.000020 | 0.000013 | 0.000021 | 0.000015 | 0.000034 | 0.000057 | 0.000039 |
| 34–35 | 0.000010 | 0.000016 | 0.000012 | 0.000011 | 0.000018 | 0.000013 | 0.000033 | 0.000055 | 0.000038 | 0.000019 | 0.000031 | 0.000021 | 0.000013 | 0.000021 | 0.000016 | 0.000035 | 0.000058 | 0.000040 |
| 35–36 | 0.000010 | 0.000016 | 0.000012 | 0.000011 | 0.000018 | 0.000014 | 0.000033 | 0.000056 | 0.000039 | 0.000019 | 0.000031 | 0.000021 | 0.000013 | 0.000021 | 0.000016 | 0.000035 | 0.000059 | 0.000042 |
| 36–37 | 0.000010 | 0.000017 | 0.000012 | 0.000012 | 0.000019 | 0.000014 | 0.000034 | 0.000057 | 0.000041 | 0.000020 | 0.000032 | 0.000022 | 0.000014 | 0.000022 | 0.000017 | 0.000036 | 0.000060 | 0.000043 |
| 37–38 | 0.000011 | 0.000017 | 0.000013 | 0.000012 | 0.000019 | 0.000014 | 0.000035 | 0.000058 | 0.000042 | 0.000020 | 0.000033 | 0.000023 | 0.000014 | 0.000022 | 0.000017 | 0.000037 | 0.000062 | 0.000045 |
| 38–39 | 0.000011 | 0.000018 | 0.000013 | 0.000012 | 0.000019 | 0.000015 | 0.000036 | 0.000059 | 0.000044 | 0.000021 | 0.000035 | 0.000024 | 0.000014 | 0.000023 | 0.000017 | 0.000039 | 0.000063 | 0.000046 |
| 39–40 | 0.000011 | 0.000018 | 0.000014 | 0.000013 | 0.000020 | 0.000015 | 0.000038 | 0.000061 | 0.000046 | 0.000022 | 0.000036 | 0.000025 | 0.000015 | 0.000023 | 0.000018 | 0.000040 | 0.000065 | 0.000048 |
| 40–41 | 0.000012 | 0.000019 | 0.000015 | 0.000013 | 0.000021 | 0.000016 | 0.000039 | 0.000063 | 0.000048 | 0.000023 | 0.000038 | 0.000027 | 0.000015 | 0.000024 | 0.000019 | 0.000041 | 0.000067 | 0.000050 |
| 41–42 | 0.000012 | 0.000019 | 0.000015 | 0.000014 | 0.000021 | 0.000017 | 0.000040 | 0.000065 | 0.000050 | 0.000025 | 0.000040 | 0.000029 | 0.000016 | 0.000024 | 0.000019 | 0.000043 | 0.000069 | 0.000053 |
| 42–43 | 0.000013 | 0.000020 | 0.000016 | 0.000014 | 0.000022 | 0.000017 | 0.000042 | 0.000067 | 0.000052 | 0.000026 | 0.000042 | 0.000031 | 0.000016 | 0.000025 | 0.000020 | 0.000044 | 0.000071 | 0.000055 |
| 43–44 | 0.000013 | 0.000021 | 0.000016 | 0.000015 | 0.000023 | 0.000018 | 0.000043 | 0.000069 | 0.000054 | 0.000028 | 0.000044 | 0.000033 | 0.000017 | 0.000026 | 0.000021 | 0.000046 | 0.000073 | 0.000057 |

Table 19. Standard errors of the probability of dying: United States, 2009–2011—Con.

| Age | Total | | | White | | | Black | | | Hispanic | | | Non-Hispanic white | | | Non-Hispanic black | | |
|-------|------------|----------|----------|------------|----------|----------|------------|----------|----------|------------|----------|----------|--------------------|----------|----------|--------------------|----------|----------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 44–45 | 0.000014 | 0.000022 | 0.000017 | 0.000015 | 0.000024 | 0.000019 | 0.000045 | 0.000072 | 0.000056 | 0.000030 | 0.000047 | 0.000036 | 0.000017 | 0.000027 | 0.000021 | 0.000047 | 0.000075 | 0.000059 |
| 45–46 | 0.000014 | 0.000022 | 0.000018 | 0.000016 | 0.000025 | 0.000019 | 0.000047 | 0.000074 | 0.000059 | 0.000032 | 0.000050 | 0.000038 | 0.000017 | 0.000027 | 0.000022 | 0.000049 | 0.000077 | 0.000061 |
| 46–47 | 0.000015 | 0.000023 | 0.000018 | 0.000016 | 0.000025 | 0.000020 | 0.000048 | 0.000077 | 0.000061 | 0.000034 | 0.000053 | 0.000041 | 0.000018 | 0.000028 | 0.000022 | 0.000050 | 0.000080 | 0.000063 |
| 47–48 | 0.000015 | 0.000024 | 0.000019 | 0.000017 | 0.000026 | 0.000021 | 0.000050 | 0.000080 | 0.000063 | 0.000036 | 0.000057 | 0.000044 | 0.000018 | 0.000029 | 0.000023 | 0.000052 | 0.000083 | 0.000066 |
| 48–49 | 0.000016 | 0.000025 | 0.000020 | 0.000017 | 0.000028 | 0.000021 | 0.000053 | 0.000084 | 0.000066 | 0.000038 | 0.000061 | 0.000046 | 0.000019 | 0.000030 | 0.000024 | 0.000055 | 0.000088 | 0.000069 |
| 49–50 | 0.000017 | 0.000026 | 0.000021 | 0.000018 | 0.000029 | 0.000022 | 0.000056 | 0.000089 | 0.000069 | 0.000041 | 0.000065 | 0.000049 | 0.000020 | 0.000031 | 0.000025 | 0.000058 | 0.000093 | 0.000072 |
| 50–51 | 0.000017 | 0.000028 | 0.000022 | 0.000019 | 0.000030 | 0.000023 | 0.000059 | 0.000094 | 0.000073 | 0.000044 | 0.000070 | 0.000052 | 0.000021 | 0.000033 | 0.000026 | 0.000061 | 0.000098 | 0.000076 |
| 51–52 | 0.000018 | 0.000029 | 0.000022 | 0.000020 | 0.000032 | 0.000024 | 0.000062 | 0.000100 | 0.000076 | 0.000047 | 0.000075 | 0.000056 | 0.000022 | 0.000034 | 0.000027 | 0.000064 | 0.000103 | 0.000079 |
| 52–53 | 0.000019 | 0.000030 | 0.000023 | 0.000021 | 0.000033 | 0.000025 | 0.000065 | 0.000106 | 0.000080 | 0.000050 | 0.000081 | 0.000059 | 0.000022 | 0.000036 | 0.000028 | 0.000068 | 0.000109 | 0.000083 |
| 53–54 | 0.000020 | 0.000032 | 0.000024 | 0.000022 | 0.000035 | 0.000026 | 0.000069 | 0.000113 | 0.000084 | 0.000053 | 0.000087 | 0.000063 | 0.000023 | 0.000037 | 0.000029 | 0.000072 | 0.000116 | 0.000087 |
| 54–55 | 0.000021 | 0.000034 | 0.000025 | 0.000023 | 0.000036 | 0.000027 | 0.000074 | 0.000121 | 0.000089 | 0.000057 | 0.000093 | 0.000067 | 0.000024 | 0.000039 | 0.000030 | 0.000076 | 0.000125 | 0.000092 |
| 55–56 | 0.000022 | 0.000036 | 0.000027 | 0.000024 | 0.000038 | 0.000029 | 0.000079 | 0.000130 | 0.000094 | 0.000061 | 0.000100 | 0.000072 | 0.000025 | 0.000041 | 0.000031 | 0.000081 | 0.000134 | 0.000097 |
| 56–57 | 0.000023 | 0.000038 | 0.000028 | 0.000025 | 0.000040 | 0.000030 | 0.000084 | 0.000140 | 0.000099 | 0.000066 | 0.000108 | 0.000077 | 0.000027 | 0.000043 | 0.000032 | 0.000087 | 0.000144 | 0.000103 |
| 57–58 | 0.000024 | 0.000040 | 0.000029 | 0.000026 | 0.000043 | 0.000031 | 0.000089 | 0.000150 | 0.000105 | 0.000071 | 0.000117 | 0.000082 | 0.000028 | 0.000045 | 0.000034 | 0.000092 | 0.000154 | 0.000109 |
| 58–59 | 0.000026 | 0.000042 | 0.000031 | 0.000028 | 0.000045 | 0.000033 | 0.000095 | 0.000160 | 0.000111 | 0.000076 | 0.000125 | 0.000088 | 0.000029 | 0.000047 | 0.000035 | 0.000098 | 0.000164 | 0.000115 |
| 59–60 | 0.000027 | 0.000044 | 0.000032 | 0.000029 | 0.000047 | 0.000035 | 0.000100 | 0.000169 | 0.000118 | 0.000081 | 0.000133 | 0.000095 | 0.000031 | 0.000049 | 0.000037 | 0.000103 | 0.000174 | 0.000121 |
| 60–61 | 0.000028 | 0.000046 | 0.000034 | 0.000030 | 0.000049 | 0.000037 | 0.000106 | 0.000179 | 0.000124 | 0.000086 | 0.000142 | 0.000102 | 0.000032 | 0.000051 | 0.000039 | 0.000109 | 0.000184 | 0.000128 |
| 61–62 | 0.000030 | 0.000048 | 0.000036 | 0.000032 | 0.000051 | 0.000039 | 0.000112 | 0.000190 | 0.000132 | 0.000092 | 0.000152 | 0.000109 | 0.000034 | 0.000053 | 0.000041 | 0.000116 | 0.000195 | 0.000136 |
| 62–63 | 0.000031 | 0.000050 | 0.000038 | 0.000034 | 0.000053 | 0.000041 | 0.000119 | 0.000202 | 0.000140 | 0.000099 | 0.000162 | 0.000117 | 0.000035 | 0.000056 | 0.000044 | 0.000123 | 0.000208 | 0.000145 |
| 63–64 | 0.000033 | 0.000053 | 0.000041 | 0.000036 | 0.000057 | 0.000044 | 0.000127 | 0.000216 | 0.000150 | 0.000106 | 0.000175 | 0.000126 | 0.000038 | 0.000060 | 0.000046 | 0.000131 | 0.000222 | 0.000155 |
| 64–65 | 0.000036 | 0.000057 | 0.000044 | 0.000038 | 0.000061 | 0.000047 | 0.000137 | 0.000232 | 0.000161 | 0.000114 | 0.000189 | 0.000135 | 0.000040 | 0.000064 | 0.000050 | 0.000141 | 0.000238 | 0.000166 |
| 65–66 | 0.000038 | 0.000062 | 0.000047 | 0.000041 | 0.000066 | 0.000051 | 0.000147 | 0.000250 | 0.000173 | 0.000123 | 0.000205 | 0.000145 | 0.000043 | 0.000069 | 0.000054 | 0.000151 | 0.000257 | 0.000179 |
| 66–67 | 0.000040 | 0.000065 | 0.000050 | 0.000043 | 0.000069 | 0.000054 | 0.000154 | 0.000262 | 0.000182 | 0.000133 | 0.000224 | 0.000156 | 0.000046 | 0.000072 | 0.000057 | 0.000158 | 0.000270 | 0.000187 |
| 67–68 | 0.000042 | 0.000068 | 0.000052 | 0.000046 | 0.000073 | 0.000057 | 0.000161 | 0.000274 | 0.000190 | 0.000143 | 0.000243 | 0.000168 | 0.000048 | 0.000076 | 0.000060 | 0.000166 | 0.000282 | 0.000196 |
| 68–69 | 0.000044 | 0.000071 | 0.000055 | 0.000048 | 0.000076 | 0.000059 | 0.000167 | 0.000286 | 0.000199 | 0.000154 | 0.000263 | 0.000181 | 0.000050 | 0.000079 | 0.000063 | 0.000173 | 0.000294 | 0.000205 |
| 69–70 | 0.000046 | 0.000075 | 0.000058 | 0.000050 | 0.000079 | 0.000062 | 0.000174 | 0.000297 | 0.000207 | 0.000165 | 0.000283 | 0.000194 | 0.000052 | 0.000083 | 0.000066 | 0.000179 | 0.000306 | 0.000213 |
| 70–71 | 0.000049 | 0.000078 | 0.000060 | 0.000052 | 0.000083 | 0.000065 | 0.000181 | 0.000309 | 0.000216 | 0.000177 | 0.000303 | 0.000207 | 0.000055 | 0.000087 | 0.000069 | 0.000187 | 0.000318 | 0.000222 |
| 71–72 | 0.000051 | 0.000082 | 0.000064 | 0.000055 | 0.000087 | 0.000069 | 0.000189 | 0.000321 | 0.000225 | 0.000189 | 0.000324 | 0.000222 | 0.000058 | 0.000091 | 0.000072 | 0.000194 | 0.000331 | 0.000232 |
| 72–73 | 0.000054 | 0.000086 | 0.000067 | 0.000058 | 0.000092 | 0.000072 | 0.000197 | 0.000336 | 0.000235 | 0.000203 | 0.000348 | 0.000239 | 0.000061 | 0.000096 | 0.000076 | 0.000202 | 0.000346 | 0.000242 |
| 73–74 | 0.000056 | 0.000090 | 0.000070 | 0.000061 | 0.000097 | 0.000076 | 0.000205 | 0.000351 | 0.000245 | 0.000219 | 0.000375 | 0.000258 | 0.000064 | 0.000101 | 0.000080 | 0.000211 | 0.000361 | 0.000252 |
| 74–75 | 0.000059 | 0.000095 | 0.000074 | 0.000064 | 0.000102 | 0.000081 | 0.000215 | 0.000368 | 0.000258 | 0.000237 | 0.000406 | 0.000281 | 0.000067 | 0.000107 | 0.000085 | 0.000221 | 0.000378 | 0.000265 |
| 75–76 | 0.000062 | 0.000100 | 0.000078 | 0.000067 | 0.000107 | 0.000085 | 0.000225 | 0.000387 | 0.000270 | 0.000256 | 0.000439 | 0.000305 | 0.000071 | 0.000112 | 0.000089 | 0.000231 | 0.000397 | 0.000278 |
| 76–77 | 0.000066 | 0.000106 | 0.000083 | 0.000071 | 0.000113 | 0.000090 | 0.000237 | 0.000407 | 0.000284 | 0.000241 | 0.000427 | 0.000300 | 0.000075 | 0.000118 | 0.000094 | 0.000243 | 0.000418 | 0.000292 |
| 77–78 | 0.000070 | 0.000112 | 0.000087 | 0.000075 | 0.000120 | 0.000095 | 0.000248 | 0.000426 | 0.000298 | 0.000223 | 0.000419 | 0.000297 | 0.000079 | 0.000125 | 0.000100 | 0.000254 | 0.000437 | 0.000306 |
| 78–79 | 0.000074 | 0.000118 | 0.000093 | 0.000080 | 0.000127 | 0.000101 | 0.000262 | 0.000451 | 0.000316 | 0.000205 | 0.000417 | 0.000298 | 0.000084 | 0.000133 | 0.000106 | 0.000268 | 0.000463 | 0.000324 |
| 79–80 | 0.000078 | 0.000126 | 0.000098 | 0.000084 | 0.000135 | 0.000107 | 0.000275 | 0.000475 | 0.000332 | 0.000186 | 0.000419 | 0.000303 | 0.000089 | 0.000141 | 0.000113 | 0.000281 | 0.000487 | 0.000340 |
| 80–81 | 0.000083 | 0.000134 | 0.000104 | 0.000090 | 0.000144 | 0.000114 | 0.000291 | 0.000503 | 0.000353 | 0.000169 | 0.000436 | 0.000314 | 0.000094 | 0.000150 | 0.000119 | 0.000298 | 0.000516 | 0.000362 |
| 81–82 | 0.000088 | 0.000142 | 0.000111 | 0.000095 | 0.000153 | 0.000121 | 0.000307 | 0.000530 | 0.000374 | 0.000154 | 0.000461 | 0.000337 | 0.000100 | 0.000160 | 0.000127 | 0.000314 | 0.000543 | 0.000383 |
| 82–83 | 0.000094 | 0.000151 | 0.000118 | 0.000101 | 0.000163 | 0.000129 | 0.000324 | 0.000568 | 0.000395 | 0.000190 | 0.000547 | 0.000402 | 0.000106 | 0.000171 | 0.000135 | 0.000332 | 0.000575 | 0.000404 |
| 83–84 | 0.000099 | 0.000161 | 0.000126 | 0.000108 | 0.000174 | 0.000137 | 0.000343 | 0.000602 | 0.000419 | 0.000231 | 0.000643 | 0.000477 | 0.000113 | 0.000182 | 0.000144 | 0.000352 | 0.000618 | 0.000428 |
| 84–85 | 0.000107 | 0.000173 | 0.000135 | 0.000116 | 0.000186 | 0.000148 | 0.000364 | 0.000639 | 0.000445 | 0.000285 | 0.000765 | 0.000574 | 0.000121 | 0.000195 | 0.000155 | 0.000373 | 0.000656 | 0.000455 |
| 85–86 | 0.000114 | 0.000186 | 0.000145 | 0.000124 | 0.000200 | 0.000159 | 0.000387 | 0.000679 | 0.000473 | 0.000348 | 0.000905 | 0.000687 | 0.000130 | 0.000209 | 0.000167 | 0.000396 | 0.000697 | 0.000484 |
| 86–87 | 0.000123 | 0.000200 | 0.000156 | 0.000133 | 0.000215 | 0.000170 | 0.000411 | 0.000722 | 0.000504 | 0.000419 | 0.001061 | 0.000813 | 0.000139 | 0.000225 | 0.000179 | 0.000421 | 0.000741 | 0.000516 |

Table 19. Standard errors of the probability of dying: United States, 2009–2011—Con.

| Age | Total | | | White | | | Black | | | Hispanic | | | Non-Hispanic white | | | Non-Hispanic black | | |
|------------------|------------|----------|----------|------------|----------|----------|------------|----------|----------|------------|----------|----------|--------------------|----------|----------|--------------------|----------|----------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 87–88. | 0.000132 | 0.000216 | 0.000168 | 0.000143 | 0.000232 | 0.000183 | 0.000438 | 0.000769 | 0.000538 | 0.000504 | 0.001259 | 0.000958 | 0.000150 | 0.000243 | 0.000192 | 0.000448 | 0.000789 | 0.000550 |
| 88–89. | 0.000142 | 0.000233 | 0.000181 | 0.000154 | 0.000251 | 0.000198 | 0.000466 | 0.000821 | 0.000574 | 0.000603 | 0.001469 | 0.001132 | 0.000161 | 0.000262 | 0.000207 | 0.000477 | 0.000842 | 0.000586 |
| 89–90. | 0.000153 | 0.000251 | 0.000195 | 0.000166 | 0.000272 | 0.000214 | 0.000498 | 0.000877 | 0.000613 | 0.000714 | 0.001702 | 0.001329 | 0.000174 | 0.000284 | 0.000224 | 0.000509 | 0.000899 | 0.000626 |
| 90–91. | 0.000165 | 0.000272 | 0.000211 | 0.000180 | 0.000294 | 0.000231 | 0.000532 | 0.000939 | 0.000656 | 0.000839 | 0.001957 | 0.001549 | 0.000188 | 0.000308 | 0.000242 | 0.000544 | 0.000962 | 0.000670 |
| 91–92. | 0.000178 | 0.000295 | 0.000228 | 0.000194 | 0.000320 | 0.000250 | 0.000569 | 0.001006 | 0.000703 | 0.000977 | 0.002233 | 0.001795 | 0.000204 | 0.000334 | 0.000262 | 0.000582 | 0.001031 | 0.000718 |
| 92–93. | 0.000193 | 0.000320 | 0.000247 | 0.000211 | 0.000348 | 0.000271 | 0.000610 | 0.001081 | 0.000754 | 0.001129 | 0.002529 | 0.002065 | 0.000221 | 0.000363 | 0.000285 | 0.000623 | 0.001107 | 0.000770 |
| 93–94. | 0.000210 | 0.000349 | 0.000269 | 0.000229 | 0.000379 | 0.000295 | 0.000655 | 0.001164 | 0.000810 | 0.001293 | 0.002842 | 0.002358 | 0.000240 | 0.000396 | 0.000309 | 0.000669 | 0.001192 | 0.000828 |
| 94–95. | 0.000228 | 0.000380 | 0.000292 | 0.000249 | 0.000415 | 0.000321 | 0.000705 | 0.001255 | 0.000873 | 0.001469 | 0.003170 | 0.002674 | 0.000261 | 0.000433 | 0.000337 | 0.000720 | 0.001285 | 0.000891 |
| 95–96. | 0.000248 | 0.000416 | 0.000318 | 0.000272 | 0.000455 | 0.000350 | 0.000760 | 0.001357 | 0.000942 | 0.001656 | 0.003509 | 0.003008 | 0.000285 | 0.000475 | 0.000367 | 0.000776 | 0.001389 | 0.000961 |
| 96–97. | 0.000271 | 0.000457 | 0.000348 | 0.000298 | 0.000500 | 0.000383 | 0.000821 | 0.001471 | 0.001018 | 0.001852 | 0.003855 | 0.003359 | 0.000312 | 0.000522 | 0.000402 | 0.000838 | 0.001505 | 0.001039 |
| 97–98. | 0.000297 | 0.000503 | 0.000381 | 0.000327 | 0.000552 | 0.000421 | 0.000889 | 0.001598 | 0.001104 | 0.002054 | 0.004203 | 0.003722 | 0.000342 | 0.000576 | 0.000441 | 0.000908 | 0.001635 | 0.001126 |
| 98–99. | 0.000327 | 0.000556 | 0.000419 | 0.000360 | 0.000611 | 0.000463 | 0.000965 | 0.001741 | 0.001199 | 0.002261 | 0.004549 | 0.004091 | 0.000376 | 0.000638 | 0.000485 | 0.000985 | 0.001781 | 0.001224 |
| 99–100. | 0.000360 | 0.000617 | 0.000462 | 0.000397 | 0.000679 | 0.000511 | 0.001050 | 0.001902 | 0.001307 | 0.002469 | 0.004887 | 0.004462 | 0.000416 | 0.000709 | 0.000536 | 0.001072 | 0.001945 | 0.001333 |
| 100–101. | 0.000399 | 0.000687 | 0.000511 | 0.000440 | 0.000758 | 0.000566 | 0.001146 | 0.002084 | 0.001427 | 0.002676 | 0.005214 | 0.004829 | 0.000461 | 0.000792 | 0.000594 | 0.001170 | 0.002130 | 0.001456 |
| 101–102. | 0.000443 | 0.000768 | 0.000567 | 0.000490 | 0.000850 | 0.000630 | 0.001255 | 0.002291 | 0.001564 | 0.002879 | 0.005526 | 0.005185 | 0.000513 | 0.000887 | 0.000660 | 0.001281 | 0.002340 | 0.001595 |
| 102–103. | 0.000494 | 0.000862 | 0.000633 | 0.000548 | 0.000956 | 0.000703 | 0.001378 | 0.002526 | 0.001720 | 0.003075 | 0.005819 | 0.005527 | 0.000573 | 0.000999 | 0.000737 | 0.001406 | 0.002579 | 0.001753 |
| 103–104. | 0.000553 | 0.000972 | 0.000708 | 0.000615 | 0.001081 | 0.000789 | 0.001518 | 0.002794 | 0.001896 | 0.003262 | 0.006090 | 0.005850 | 0.000643 | 0.001130 | 0.000827 | 0.001549 | 0.002851 | 0.001933 |
| 104–105. | 0.000622 | 0.001101 | 0.000797 | 0.000693 | 0.001228 | 0.000889 | 0.001678 | 0.003100 | 0.002099 | 0.003439 | 0.006338 | 0.006149 | 0.000725 | 0.001283 | 0.000932 | 0.001711 | 0.003162 | 0.002139 |
| 105–106. | 0.000703 | 0.001252 | 0.000900 | 0.000785 | 0.001402 | 0.001006 | 0.001861 | 0.003452 | 0.002331 | 0.003603 | 0.006562 | 0.006423 | 0.000821 | 0.001464 | 0.001055 | 0.001897 | 0.003519 | 0.002375 |
| 106–107. | 0.000798 | 0.001431 | 0.001021 | 0.000892 | 0.001607 | 0.001144 | 0.002072 | 0.003857 | 0.002599 | 0.003753 | 0.006762 | 0.006669 | 0.000934 | 0.001678 | 0.001200 | 0.002111 | 0.003930 | 0.002647 |
| 107–108. | 0.000909 | 0.001643 | 0.001164 | 0.001020 | 0.001851 | 0.001307 | 0.002314 | 0.004326 | 0.002908 | 0.003890 | 0.006938 | 0.006888 | 0.001067 | 0.001933 | 0.001371 | 0.002357 | 0.004404 | 0.002961 |
| 108–109. | 0.001041 | 0.001894 | 0.001333 | 0.001171 | 0.002142 | 0.001501 | 0.002594 | 0.004868 | 0.003267 | 0.004012 | 0.007092 | 0.007079 | 0.001224 | 0.002236 | 0.001573 | 0.002642 | 0.004953 | 0.003326 |
| 109–110. | 0.001198 | 0.002193 | 0.001534 | 0.001350 | 0.002489 | 0.001731 | 0.002919 | 0.005498 | 0.003684 | 0.004120 | 0.007225 | 0.007243 | 0.001412 | 0.002598 | 0.001815 | 0.002971 | 0.005590 | 0.003749 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 20. Standard errors of life expectancy: United States, 2009–2011—Con.

| Age | Total | | | White | | | Black | | | Hispanic | | | Non-Hispanic white | | | Non-Hispanic black | | |
|-------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|--------------------|-------|--------|--------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 43–44 | 0.004 | 0.005 | 0.005 | 0.004 | 0.006 | 0.005 | 0.011 | 0.016 | 0.016 | 0.013 | 0.020 | 0.021 | 0.004 | 0.006 | 0.006 | 0.012 | 0.016 | 0.016 |
| 44–45 | 0.004 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.011 | 0.016 | 0.015 | 0.013 | 0.020 | 0.020 | 0.004 | 0.006 | 0.006 | 0.012 | 0.016 | 0.016 |
| 45–46 | 0.004 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.011 | 0.016 | 0.015 | 0.013 | 0.020 | 0.020 | 0.004 | 0.006 | 0.006 | 0.011 | 0.016 | 0.016 |
| 46–47 | 0.004 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.011 | 0.016 | 0.015 | 0.013 | 0.020 | 0.020 | 0.004 | 0.006 | 0.006 | 0.011 | 0.016 | 0.016 |
| 47–48 | 0.003 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.011 | 0.016 | 0.015 | 0.013 | 0.020 | 0.020 | 0.004 | 0.006 | 0.005 | 0.011 | 0.016 | 0.015 |
| 48–49 | 0.003 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.011 | 0.016 | 0.015 | 0.013 | 0.020 | 0.020 | 0.004 | 0.006 | 0.005 | 0.011 | 0.016 | 0.015 |
| 49–50 | 0.003 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.011 | 0.016 | 0.015 | 0.013 | 0.020 | 0.020 | 0.004 | 0.006 | 0.005 | 0.011 | 0.016 | 0.015 |
| 50–51 | 0.003 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.011 | 0.016 | 0.015 | 0.013 | 0.020 | 0.020 | 0.004 | 0.005 | 0.005 | 0.011 | 0.016 | 0.015 |
| 51–52 | 0.003 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.011 | 0.015 | 0.015 | 0.013 | 0.020 | 0.020 | 0.004 | 0.005 | 0.005 | 0.011 | 0.016 | 0.015 |
| 52–53 | 0.003 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.011 | 0.015 | 0.015 | 0.013 | 0.020 | 0.020 | 0.004 | 0.005 | 0.005 | 0.011 | 0.016 | 0.015 |
| 53–54 | 0.003 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.011 | 0.015 | 0.015 | 0.013 | 0.020 | 0.020 | 0.004 | 0.005 | 0.005 | 0.011 | 0.015 | 0.015 |
| 54–55 | 0.003 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.011 | 0.015 | 0.014 | 0.013 | 0.020 | 0.020 | 0.004 | 0.005 | 0.005 | 0.011 | 0.015 | 0.015 |
| 55–56 | 0.003 | 0.005 | 0.004 | 0.004 | 0.005 | 0.005 | 0.011 | 0.015 | 0.014 | 0.013 | 0.020 | 0.020 | 0.004 | 0.005 | 0.005 | 0.011 | 0.015 | 0.015 |
| 56–57 | 0.003 | 0.005 | 0.004 | 0.003 | 0.005 | 0.005 | 0.011 | 0.015 | 0.014 | 0.013 | 0.020 | 0.020 | 0.004 | 0.005 | 0.005 | 0.011 | 0.015 | 0.015 |
| 57–58 | 0.003 | 0.005 | 0.004 | 0.003 | 0.005 | 0.005 | 0.010 | 0.015 | 0.014 | 0.013 | 0.020 | 0.020 | 0.004 | 0.005 | 0.005 | 0.011 | 0.015 | 0.014 |
| 58–59 | 0.003 | 0.004 | 0.004 | 0.003 | 0.005 | 0.005 | 0.010 | 0.015 | 0.014 | 0.013 | 0.020 | 0.020 | 0.004 | 0.005 | 0.005 | 0.011 | 0.015 | 0.014 |
| 59–60 | 0.003 | 0.004 | 0.004 | 0.003 | 0.005 | 0.005 | 0.010 | 0.015 | 0.014 | 0.013 | 0.020 | 0.020 | 0.004 | 0.005 | 0.005 | 0.010 | 0.015 | 0.014 |
| 60–61 | 0.003 | 0.004 | 0.004 | 0.003 | 0.005 | 0.005 | 0.010 | 0.014 | 0.014 | 0.013 | 0.020 | 0.020 | 0.003 | 0.005 | 0.005 | 0.010 | 0.015 | 0.014 |
| 61–62 | 0.003 | 0.004 | 0.004 | 0.003 | 0.005 | 0.005 | 0.010 | 0.014 | 0.014 | 0.012 | 0.020 | 0.020 | 0.003 | 0.005 | 0.005 | 0.010 | 0.014 | 0.014 |
| 62–63 | 0.003 | 0.004 | 0.004 | 0.003 | 0.005 | 0.004 | 0.010 | 0.014 | 0.013 | 0.012 | 0.019 | 0.020 | 0.003 | 0.005 | 0.005 | 0.010 | 0.014 | 0.014 |
| 63–64 | 0.003 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 | 0.010 | 0.014 | 0.013 | 0.012 | 0.019 | 0.019 | 0.003 | 0.005 | 0.005 | 0.010 | 0.014 | 0.013 |
| 64–65 | 0.003 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 | 0.010 | 0.014 | 0.013 | 0.012 | 0.019 | 0.019 | 0.003 | 0.005 | 0.005 | 0.010 | 0.014 | 0.013 |
| 65–66 | 0.003 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 | 0.009 | 0.013 | 0.013 | 0.012 | 0.019 | 0.019 | 0.003 | 0.004 | 0.004 | 0.010 | 0.014 | 0.013 |
| 66–67 | 0.003 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 | 0.009 | 0.013 | 0.013 | 0.012 | 0.019 | 0.019 | 0.003 | 0.004 | 0.004 | 0.009 | 0.013 | 0.013 |
| 67–68 | 0.003 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 | 0.009 | 0.013 | 0.012 | 0.012 | 0.019 | 0.019 | 0.003 | 0.004 | 0.004 | 0.009 | 0.013 | 0.012 |
| 68–69 | 0.003 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 | 0.009 | 0.013 | 0.012 | 0.011 | 0.018 | 0.019 | 0.003 | 0.004 | 0.004 | 0.009 | 0.013 | 0.012 |
| 69–70 | 0.003 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 | 0.009 | 0.012 | 0.012 | 0.011 | 0.018 | 0.019 | 0.003 | 0.004 | 0.004 | 0.009 | 0.013 | 0.012 |
| 70–71 | 0.003 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 | 0.008 | 0.012 | 0.011 | 0.011 | 0.018 | 0.019 | 0.003 | 0.004 | 0.004 | 0.009 | 0.012 | 0.012 |
| 71–72 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.008 | 0.012 | 0.011 | 0.011 | 0.018 | 0.018 | 0.003 | 0.004 | 0.004 | 0.008 | 0.012 | 0.011 |
| 72–73 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.008 | 0.011 | 0.011 | 0.010 | 0.017 | 0.018 | 0.003 | 0.004 | 0.004 | 0.008 | 0.012 | 0.011 |
| 73–74 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.008 | 0.011 | 0.011 | 0.010 | 0.017 | 0.018 | 0.003 | 0.004 | 0.004 | 0.008 | 0.011 | 0.011 |
| 74–75 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.008 | 0.011 | 0.010 | 0.010 | 0.017 | 0.018 | 0.003 | 0.004 | 0.004 | 0.008 | 0.011 | 0.011 |
| 75–76 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.008 | 0.011 | 0.010 | 0.009 | 0.016 | 0.018 | 0.002 | 0.003 | 0.004 | 0.008 | 0.011 | 0.010 |
| 76–77 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.007 | 0.010 | 0.010 | 0.009 | 0.016 | 0.017 | 0.002 | 0.003 | 0.003 | 0.007 | 0.011 | 0.010 |
| 77–78 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.007 | 0.010 | 0.010 | 0.009 | 0.016 | 0.017 | 0.002 | 0.003 | 0.003 | 0.007 | 0.010 | 0.010 |
| 78–79 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.007 | 0.010 | 0.009 | 0.008 | 0.016 | 0.017 | 0.002 | 0.003 | 0.003 | 0.007 | 0.010 | 0.010 |
| 79–80 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.007 | 0.010 | 0.009 | 0.008 | 0.016 | 0.017 | 0.002 | 0.003 | 0.003 | 0.007 | 0.010 | 0.009 |
| 80–81 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.007 | 0.009 | 0.009 | 0.008 | 0.016 | 0.017 | 0.002 | 0.003 | 0.003 | 0.007 | 0.010 | 0.009 |
| 81–82 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.006 | 0.009 | 0.009 | 0.008 | 0.016 | 0.018 | 0.002 | 0.003 | 0.003 | 0.007 | 0.009 | 0.009 |
| 82–83 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.006 | 0.009 | 0.008 | 0.009 | 0.016 | 0.018 | 0.002 | 0.003 | 0.003 | 0.006 | 0.009 | 0.009 |
| 83–84 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.006 | 0.009 | 0.008 | 0.009 | 0.017 | 0.018 | 0.002 | 0.003 | 0.003 | 0.006 | 0.009 | 0.008 |
| 84–85 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.006 | 0.009 | 0.008 | 0.009 | 0.017 | 0.019 | 0.002 | 0.003 | 0.003 | 0.006 | 0.009 | 0.008 |

Table 20. Standard errors of life expectancy: United States, 2009–2011—Con.

| Age | Total | | | White | | | Black | | | Hispanic | | | Non-Hispanic white | | | Non-Hispanic black | | |
|--------------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|--------------------|-------|--------|--------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 85–86..... | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.006 | 0.009 | 0.008 | 0.009 | 0.018 | 0.019 | 0.002 | 0.003 | 0.003 | 0.006 | 0.009 | 0.008 |
| 86–87..... | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.006 | 0.008 | 0.008 | 0.010 | 0.018 | 0.019 | 0.002 | 0.002 | 0.002 | 0.006 | 0.009 | 0.008 |
| 87–88..... | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.006 | 0.008 | 0.007 | 0.010 | 0.018 | 0.020 | 0.002 | 0.002 | 0.002 | 0.006 | 0.008 | 0.008 |
| 88–89..... | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.006 | 0.008 | 0.007 | 0.010 | 0.019 | 0.020 | 0.002 | 0.002 | 0.002 | 0.006 | 0.008 | 0.007 |
| 89–90..... | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 | 0.011 | 0.019 | 0.020 | 0.002 | 0.002 | 0.002 | 0.006 | 0.008 | 0.007 |
| 90–91..... | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 | 0.011 | 0.019 | 0.021 | 0.002 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 |
| 91–92..... | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 | 0.011 | 0.019 | 0.021 | 0.002 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 |
| 92–93..... | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 | 0.011 | 0.020 | 0.021 | 0.002 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 |
| 93–94..... | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 | 0.011 | 0.020 | 0.021 | 0.002 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 |
| 94–95..... | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 | 0.011 | 0.020 | 0.021 | 0.002 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 |
| 95–96..... | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 | 0.012 | 0.020 | 0.021 | 0.002 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 |
| 96–97..... | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.005 | 0.008 | 0.006 | 0.012 | 0.020 | 0.021 | 0.002 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 |
| 97–98..... | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 | 0.012 | 0.020 | 0.021 | 0.002 | 0.002 | 0.002 | 0.005 | 0.009 | 0.007 |
| 98–99..... | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.005 | 0.008 | 0.007 | 0.012 | 0.020 | 0.021 | 0.002 | 0.002 | 0.002 | 0.005 | 0.009 | 0.007 |
| 99–100..... | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.005 | 0.009 | 0.007 | 0.012 | 0.020 | 0.021 | 0.002 | 0.002 | 0.002 | 0.005 | 0.009 | 0.007 |
| 100–101..... | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.005 | 0.009 | 0.007 | 0.012 | 0.019 | 0.021 | 0.002 | 0.003 | 0.002 | 0.006 | 0.009 | 0.007 |
| 101–102..... | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.002 | 0.006 | 0.009 | 0.007 | 0.012 | 0.019 | 0.020 | 0.002 | 0.003 | 0.002 | 0.006 | 0.010 | 0.007 |
| 102–103..... | 0.002 | 0.003 | 0.002 | 0.002 | 0.003 | 0.002 | 0.006 | 0.010 | 0.007 | 0.011 | 0.019 | 0.020 | 0.002 | 0.003 | 0.002 | 0.006 | 0.010 | 0.007 |
| 103–104..... | 0.002 | 0.003 | 0.002 | 0.002 | 0.003 | 0.002 | 0.006 | 0.010 | 0.007 | 0.011 | 0.019 | 0.020 | 0.002 | 0.003 | 0.002 | 0.006 | 0.010 | 0.007 |
| 104–105..... | 0.002 | 0.003 | 0.002 | 0.002 | 0.003 | 0.002 | 0.006 | 0.011 | 0.008 | 0.011 | 0.018 | 0.020 | 0.002 | 0.003 | 0.003 | 0.006 | 0.011 | 0.008 |
| 105–106..... | 0.002 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 | 0.006 | 0.011 | 0.008 | 0.011 | 0.018 | 0.019 | 0.002 | 0.004 | 0.003 | 0.007 | 0.012 | 0.008 |
| 106–107..... | 0.002 | 0.003 | 0.003 | 0.002 | 0.004 | 0.003 | 0.007 | 0.012 | 0.008 | 0.011 | 0.018 | 0.019 | 0.002 | 0.004 | 0.003 | 0.007 | 0.012 | 0.009 |
| 107–108..... | 0.002 | 0.004 | 0.003 | 0.002 | 0.004 | 0.003 | 0.007 | 0.013 | 0.009 | 0.011 | 0.018 | 0.018 | 0.003 | 0.004 | 0.003 | 0.007 | 0.013 | 0.009 |
| 108–109..... | 0.002 | 0.004 | 0.003 | 0.003 | 0.005 | 0.003 | 0.008 | 0.014 | 0.010 | 0.011 | 0.017 | 0.018 | 0.003 | 0.005 | 0.004 | 0.008 | 0.014 | 0.010 |
| 109–110..... | 0.003 | 0.005 | 0.003 | 0.003 | 0.005 | 0.004 | 0.008 | 0.015 | 0.010 | 0.011 | 0.017 | 0.018 | 0.003 | 0.005 | 0.004 | 0.009 | 0.016 | 0.010 |

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 21. Life expectancy, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Average number of years of life remaining (e_x) | | | | | | | | | | | |
|--------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| All races | | | | | | | | | | | | |
| 0..... | 78.60 | 76.86 | 75.37 | 73.88 | 70.75 | 69.89 | 68.07 | 63.62 | 59.20 | 56.40 | 51.49 | 49.24 |
| 1..... | 78.08 | 76.40 | 75.08 | 73.82 | 71.19 | 70.75 | 69.16 | 65.76 | 61.94 | 59.94 | 57.11 | 55.20 |
| 5..... | 74.17 | 72.49 | 71.22 | 70.00 | 67.43 | 67.04 | 65.54 | 62.49 | 59.29 | 57.99 | 56.21 | 54.98 |
| 10..... | 69.21 | 67.55 | 66.29 | 65.10 | 62.57 | 62.19 | 60.74 | 57.82 | 54.84 | 53.79 | 52.15 | 51.14 |
| 15..... | 64.26 | 62.61 | 61.38 | 60.19 | 57.69 | 57.33 | 55.91 | 53.10 | 50.25 | 49.37 | 47.73 | 46.81 |
| 20..... | 59.41 | 57.82 | 56.63 | 55.46 | 53.00 | 52.58 | 51.20 | 48.54 | 45.94 | 45.30 | 43.53 | 42.79 |
| 25..... | 54.66 | 53.08 | 51.93 | 50.81 | 48.37 | 47.89 | 46.56 | 44.09 | 41.85 | 41.47 | 39.60 | 39.12 |
| 30..... | 49.91 | 48.31 | 47.23 | 46.12 | 43.71 | 43.18 | 41.91 | 39.67 | 37.75 | 37.68 | 35.70 | 35.51 |
| 35..... | 45.18 | 43.57 | 42.58 | 41.43 | 39.07 | 38.51 | 37.31 | 35.30 | 33.68 | 33.89 | 31.90 | 31.92 |
| 40..... | 40.48 | 38.90 | 37.98 | 36.79 | 34.52 | 33.92 | 32.81 | 31.03 | 29.67 | 30.08 | 28.20 | 28.34 |
| 45..... | 35.87 | 34.34 | 33.44 | 32.27 | 30.12 | 29.50 | 28.49 | 26.90 | 25.79 | 26.25 | 24.54 | 24.77 |
| 50..... | 31.41 | 29.90 | 29.03 | 27.94 | 25.93 | 25.29 | 24.40 | 22.98 | 22.06 | 22.50 | 20.98 | 21.26 |
| 55..... | 27.14 | 25.61 | 24.83 | 23.85 | 21.99 | 21.37 | 20.57 | 19.31 | 18.53 | 18.90 | 17.55 | 17.88 |
| 60..... | 23.04 | 21.55 | 20.90 | 20.02 | 18.34 | 17.71 | 17.04 | 15.91 | 15.24 | 15.54 | 14.42 | 14.76 |
| 65..... | 19.11 | 17.77 | 17.28 | 16.51 | 15.00 | 14.39 | 13.83 | 12.80 | 12.23 | 12.47 | 11.60 | 11.86 |
| 70..... | 15.44 | 14.27 | 13.96 | 13.32 | 12.00 | 11.38 | 10.92 | 10.00 | 9.58 | 9.74 | 9.11 | 9.30 |
| 75..... | 12.06 | 11.12 | 11.00 | 10.48 | 9.32 | 8.71 | 8.40 | 7.62 | 7.32 | 7.49 | 6.99 | 7.08 |
| 80..... | 9.06 | 8.42 | 8.40 | 7.98 | 7.10 | 6.39 | 6.34 | 5.73 | 5.50 | 5.63 | 5.25 | 5.30 |
| 85..... | 6.52 | 6.22 | 6.23 | 5.96 | 5.28 | 4.58 | 4.69 | 4.31 | 4.19 | 4.21 | 4.00 | 3.96 |
| 90..... | 4.55 | 4.49 | 4.50 | 4.43 | 3.94 | 3.22 | 3.44 | 3.30 | 3.15 | 3.22 | 3.03 | 2.95 |
| 95..... | 3.16 | 3.19 | 3.29 | 3.34 | 3.06 | 2.43 | 2.54 | 2.61 | 2.26 | 2.32 | 2.35 | 2.18 |
| 100..... | 2.26 | 2.27 | 2.46 | 2.73 | 2.62 | 1.91 | 1.92 | 2.13 | 1.51 | 1.53 | 1.85 | 1.58 |
| Male | | | | | | | | | | | | |
| 0..... | 76.13 | 74.13 | 71.83 | 70.11 | 67.04 | 66.80 | 65.47 | 61.60 | 57.71 | 55.50 | 49.86 | 47.88 |
| 1..... | 75.65 | 73.70 | 71.58 | 70.10 | 67.58 | 67.80 | 66.73 | 64.00 | 60.75 | 59.47 | 55.95 | 54.35 |
| 5..... | 71.73 | 69.80 | 67.73 | 66.29 | 63.82 | 64.10 | 63.12 | 60.76 | 58.14 | 57.60 | 55.11 | 54.22 |
| 10..... | 66.78 | 64.86 | 62.81 | 61.41 | 58.98 | 59.27 | 58.35 | 56.12 | 53.75 | 53.44 | 51.07 | 50.39 |
| 15..... | 61.83 | 59.94 | 57.91 | 56.52 | 54.12 | 54.43 | 53.56 | 51.43 | 49.18 | 49.05 | 46.66 | 46.06 |
| 20..... | 57.04 | 55.21 | 53.25 | 51.88 | 49.54 | 49.77 | 48.92 | 46.91 | 44.88 | 44.99 | 42.48 | 42.03 |
| 25..... | 52.39 | 50.57 | 48.67 | 47.37 | 45.07 | 45.19 | 44.36 | 42.51 | 40.79 | 41.11 | 38.59 | 38.38 |
| 30..... | 47.73 | 45.89 | 44.10 | 42.81 | 40.51 | 40.56 | 39.78 | 38.13 | 36.71 | 37.26 | 34.70 | 34.76 |
| 35..... | 43.07 | 41.21 | 39.57 | 38.20 | 35.95 | 35.94 | 35.23 | 33.79 | 32.65 | 33.43 | 30.94 | 31.19 |
| 40..... | 38.43 | 36.62 | 35.09 | 33.64 | 31.48 | 31.42 | 30.79 | 29.57 | 28.68 | 29.63 | 27.32 | 27.65 |
| 45..... | 33.89 | 32.14 | 30.66 | 29.22 | 27.18 | 27.09 | 26.55 | 25.52 | 24.87 | 25.84 | 23.77 | 24.14 |
| 50..... | 29.52 | 27.82 | 26.37 | 25.00 | 23.12 | 23.02 | 22.59 | 21.72 | 21.25 | 22.11 | 20.32 | 20.70 |
| 55..... | 25.37 | 23.65 | 22.30 | 21.08 | 19.36 | 19.32 | 18.96 | 18.20 | 17.79 | 18.53 | 16.98 | 17.38 |
| 60..... | 21.44 | 19.73 | 18.53 | 17.46 | 15.99 | 15.94 | 15.68 | 14.99 | 14.62 | 15.22 | 13.95 | 14.33 |
| 65..... | 17.69 | 16.11 | 15.12 | 14.21 | 12.99 | 12.95 | 12.74 | 12.07 | 11.72 | 12.20 | 11.24 | 11.50 |
| 70..... | 14.18 | 12.80 | 12.05 | 11.35 | 10.39 | 10.33 | 10.11 | 9.46 | 9.18 | 9.52 | 8.83 | 9.02 |
| 75..... | 10.98 | 9.89 | 9.39 | 8.90 | 8.13 | 7.99 | 7.83 | 7.22 | 7.02 | 7.31 | 6.75 | 6.84 |
| 80..... | 8.16 | 7.44 | 7.12 | 6.80 | 6.27 | 5.95 | 5.94 | 5.44 | 5.27 | 5.49 | 5.10 | 5.11 |

See footnotes at end of table.

Table 21. Life expectancy, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Average number of years of life remaining (e_x) | | | | | | | | | | | |
|--------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Male—Con. | | | | | | | | | | | | |
| 85..... | 5.81 | 5.47 | 5.31 | 5.13 | 4.73 | 4.39 | 4.41 | 4.11 | 4.02 | 4.10 | 3.90 | 3.82 |
| 90..... | 4.04 | 3.95 | 3.89 | 3.89 | 3.60 | 3.18 | 3.30 | 3.17 | 3.06 | 3.21 | 3.01 | 2.86 |
| 95..... | 2.83 | 2.82 | 2.92 | 2.98 | 2.82 | 2.43 | 2.49 | 2.52 | 2.21 | 2.38 | 2.36 | 2.13 |
| 100..... | 2.05 | 2.03 | 2.25 | 2.49 | 2.43 | 1.91 | 1.92 | 2.05 | 1.50 | 1.58 | 1.81 | 1.55 |
| Female | | | | | | | | | | | | |
| 0..... | 80.98 | 79.47 | 78.81 | 77.62 | 74.64 | 73.24 | 70.96 | 65.89 | 60.90 | 57.40 | 53.24 | 50.70 |
| 1..... | 80.43 | 78.97 | 78.47 | 77.50 | 74.97 | 73.93 | 71.84 | 67.73 | 65.37 | 60.45 | 58.37 | 56.10 |
| 5..... | 76.51 | 75.06 | 74.60 | 73.67 | 71.19 | 70.21 | 68.21 | 64.43 | 60.66 | 58.41 | 57.39 | 55.80 |
| 10..... | 71.55 | 70.11 | 69.67 | 68.75 | 66.31 | 65.35 | 63.38 | 59.73 | 56.16 | 54.16 | 53.31 | 51.94 |
| 15..... | 66.59 | 65.16 | 64.73 | 63.83 | 61.41 | 60.45 | 58.52 | 54.97 | 51.54 | 49.71 | 48.87 | 47.60 |
| 20..... | 61.68 | 60.29 | 59.87 | 58.98 | 56.59 | 55.60 | 53.73 | 50.37 | 47.21 | 45.63 | 44.66 | 43.60 |
| 25..... | 56.81 | 55.42 | 55.03 | 54.16 | 51.80 | 50.79 | 48.99 | 45.87 | 43.11 | 41.86 | 40.69 | 39.92 |
| 30..... | 51.97 | 50.57 | 50.19 | 49.33 | 47.01 | 46.00 | 44.28 | 41.41 | 39.02 | 38.15 | 36.79 | 36.30 |
| 35..... | 47.15 | 45.75 | 45.40 | 44.53 | 42.28 | 41.27 | 39.63 | 37.01 | 34.92 | 34.40 | 32.95 | 32.71 |
| 40..... | 42.38 | 40.99 | 40.65 | 39.80 | 37.64 | 36.61 | 35.06 | 32.68 | 30.86 | 30.58 | 29.15 | 29.08 |
| 45..... | 37.70 | 36.33 | 35.97 | 35.17 | 33.13 | 32.09 | 30.64 | 28.46 | 26.89 | 26.71 | 25.36 | 25.44 |
| 50..... | 33.14 | 31.76 | 31.42 | 30.69 | 28.77 | 27.71 | 26.40 | 24.40 | 23.05 | 22.92 | 21.67 | 21.84 |
| 55..... | 28.72 | 27.32 | 27.05 | 26.39 | 24.59 | 23.53 | 22.33 | 20.54 | 19.38 | 19.28 | 18.13 | 18.39 |
| 60..... | 24.42 | 23.10 | 22.90 | 22.29 | 20.60 | 19.52 | 18.50 | 16.92 | 15.94 | 15.87 | 14.90 | 15.21 |
| 65..... | 20.30 | 19.12 | 19.02 | 18.44 | 16.83 | 15.80 | 14.95 | 13.57 | 12.78 | 12.73 | 11.96 | 12.22 |
| 70..... | 16.43 | 15.40 | 15.38 | 14.84 | 13.35 | 12.37 | 11.71 | 10.56 | 9.99 | 9.96 | 9.38 | 9.59 |
| 75..... | 12.85 | 11.99 | 12.08 | 11.58 | 10.26 | 9.33 | 8.94 | 8.01 | 7.61 | 7.65 | 7.20 | 7.34 |
| 80..... | 9.65 | 9.05 | 9.13 | 8.69 | 7.68 | 6.72 | 6.67 | 5.99 | 5.70 | 5.75 | 5.37 | 5.51 |
| 85..... | 6.90 | 6.62 | 6.66 | 6.38 | 5.63 | 4.71 | 4.90 | 4.47 | 4.32 | 4.30 | 4.08 | 4.12 |
| 90..... | 4.77 | 4.71 | 4.73 | 4.66 | 4.14 | 3.25 | 3.54 | 3.39 | 3.24 | 3.23 | 3.05 | 3.04 |
| 95..... | 3.26 | 3.29 | 3.40 | 3.48 | 3.18 | 2.43 | 2.57 | 2.67 | 2.30 | 2.27 | 2.34 | 2.24 |
| 100..... | 2.29 | 2.29 | 2.52 | 2.81 | 2.69 | 1.91 | 1.93 | 2.17 | 1.52 | 1.48 | 1.91 | 1.61 |
| White | | | | | | | | | | | | |
| 0..... | 78.88 | 77.43 | 76.13 | 74.53 | 71.62 | 70.73 | 69.02 | 64.92 | 60.86 | 57.42 | 51.90 | 49.64 |
| 1..... | 78.29 | 76.87 | 75.72 | 74.35 | 71.91 | 71.38 | 69.95 | 66.84 | 63.46 | 60.87 | 57.46 | 55.47 |
| 5..... | 74.37 | 72.96 | 71.84 | 70.52 | 68.12 | 67.64 | 66.29 | 63.52 | 60.75 | 58.86 | 56.51 | 55.18 |
| 10..... | 69.41 | 68.01 | 66.92 | 65.62 | 63.26 | 62.79 | 61.48 | 58.83 | 56.29 | 54.65 | 52.43 | 51.34 |
| 15..... | 64.45 | 63.07 | 61.99 | 60.71 | 58.37 | 57.92 | 56.65 | 54.09 | 51.69 | 50.21 | 48.01 | 47.01 |
| 20..... | 59.60 | 58.27 | 57.23 | 55.98 | 53.66 | 53.16 | 51.91 | 49.47 | 47.28 | 46.04 | 43.77 | 43.17 |
| 25..... | 54.84 | 53.51 | 52.50 | 51.30 | 49.00 | 48.44 | 47.22 | 44.92 | 43.02 | 42.07 | 39.79 | 39.26 |
| 30..... | 50.08 | 48.72 | 47.76 | 46.59 | 44.28 | 43.69 | 42.52 | 40.40 | 38.76 | 38.17 | 35.86 | 35.51 |
| 35..... | 45.34 | 43.95 | 43.06 | 41.86 | 39.58 | 38.97 | 37.86 | 35.93 | 34.50 | 34.27 | 32.03 | 32.01 |
| 40..... | 40.63 | 39.25 | 38.41 | 37.17 | 34.95 | 34.33 | 33.29 | 31.54 | 30.33 | 30.38 | 28.29 | 28.28 |
| 45..... | 36.01 | 34.65 | 33.81 | 32.60 | 30.48 | 29.84 | 28.88 | 27.29 | 26.29 | 26.45 | 24.60 | 24.82 |

See footnotes at end of table.

Table 21. Life expectancy, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Average number of years of life remaining (e_x) | | | | | | | | | | | |
|---------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| White—Con. | | | | | | | | | | | | |
| 50..... | 31.54 | 30.17 | 29.34 | 28.21 | 26.21 | 25.57 | 24.70 | 23.26 | 22.42 | 22.64 | 21.01 | 21.18 |
| 55..... | 27.24 | 25.82 | 25.08 | 24.05 | 22.19 | 21.58 | 20.77 | 19.47 | 18.75 | 18.97 | 17.57 | 17.91 |
| 60..... | 23.10 | 21.71 | 21.08 | 20.16 | 18.48 | 17.84 | 17.15 | 15.98 | 15.37 | 15.57 | 14.43 | 14.73 |
| 65..... | 19.14 | 17.88 | 17.40 | 16.59 | 15.08 | 14.44 | 13.86 | 12.80 | 12.28 | 12.47 | 11.60 | 11.87 |
| 70..... | 15.44 | 14.34 | 14.02 | 13.35 | 12.01 | 11.37 | 10.89 | 9.96 | 9.58 | 9.72 | 9.10 | 9.31 |
| 75..... | 12.04 | 11.15 | 11.03 | 10.47 | 9.27 | 8.65 | 8.34 | 7.55 | 7.30 | 7.47 | 6.98 | 7.08 |
| 80..... | 9.02 | 8.42 | 8.39 | 7.95 | 7.01 | 6.33 | 6.27 | 5.64 | 5.45 | 5.59 | 5.22 | 5.30 |
| 85..... | 6.47 | 6.19 | 6.20 | 5.90 | 5.19 | 4.53 | 4.62 | 4.20 | 4.12 | 4.15 | 3.97 | 3.95 |
| 90..... | 4.48 | 4.44 | 4.46 | 4.36 | 3.84 | 3.20 | 3.41 | 3.16 | 3.10 | 3.17 | 3.00 | 2.93 |
| 95..... | 3.09 | 3.14 | 3.25 | 3.25 | 2.92 | 2.43 | 2.53 | 2.45 | 2.22 | 2.28 | 2.29 | 2.16 |
| 100..... | 2.20 | 2.22 | 2.43 | 2.62 | 2.41 | 1.91 | 1.92 | 1.95 | 1.48 | 1.50 | 1.71 | 1.56 |
| White male | | | | | | | | | | | | |
| 0..... | 76.49 | 74.78 | 72.72 | 70.82 | 67.94 | 67.55 | 66.31 | 62.81 | 59.12 | 56.34 | 50.23 | 48.23 |
| 1..... | 75.92 | 74.25 | 72.35 | 70.70 | 68.33 | 68.34 | 67.41 | 64.98 | 62.04 | 60.24 | 56.26 | 54.61 |
| 5..... | 72.00 | 70.34 | 68.48 | 66.87 | 64.55 | 64.61 | 63.77 | 61.68 | 59.38 | 58.31 | 55.37 | 54.43 |
| 10..... | 67.04 | 65.40 | 63.55 | 61.98 | 59.69 | 59.78 | 58.98 | 57.03 | 54.96 | 54.15 | 51.32 | 50.59 |
| 15..... | 62.09 | 60.47 | 58.65 | 57.09 | 54.83 | 54.93 | 54.18 | 52.33 | 50.39 | 49.74 | 46.91 | 46.25 |
| 20..... | 57.29 | 55.72 | 53.96 | 52.45 | 50.22 | 50.25 | 49.52 | 47.76 | 46.02 | 45.60 | 42.71 | 42.19 |
| 25..... | 52.62 | 51.05 | 49.33 | 47.92 | 45.70 | 45.65 | 44.93 | 43.28 | 41.78 | 41.60 | 38.79 | 38.52 |
| 30..... | 47.95 | 46.34 | 44.71 | 43.31 | 41.07 | 40.97 | 40.29 | 38.80 | 37.54 | 37.65 | 34.87 | 34.88 |
| 35..... | 43.28 | 41.64 | 40.12 | 38.66 | 36.43 | 36.31 | 35.68 | 34.36 | 33.33 | 33.74 | 31.08 | 31.29 |
| 40..... | 38.63 | 37.01 | 35.57 | 34.04 | 31.87 | 31.73 | 31.17 | 30.03 | 29.22 | 29.86 | 27.43 | 27.74 |
| 45..... | 34.07 | 32.49 | 31.07 | 29.55 | 27.48 | 27.34 | 26.87 | 25.87 | 25.28 | 26.00 | 23.86 | 24.21 |
| 50..... | 29.69 | 28.12 | 26.71 | 25.26 | 23.34 | 23.22 | 22.83 | 21.96 | 21.51 | 22.22 | 20.39 | 20.76 |
| 55..... | 25.52 | 23.88 | 22.56 | 21.25 | 19.51 | 19.45 | 19.11 | 18.34 | 17.97 | 18.59 | 17.03 | 17.42 |
| 60..... | 21.54 | 19.90 | 18.71 | 17.56 | 16.07 | 16.01 | 15.76 | 15.05 | 14.72 | 15.25 | 13.98 | 14.35 |
| 65..... | 17.75 | 16.22 | 15.24 | 14.26 | 13.02 | 12.97 | 12.75 | 12.07 | 11.77 | 12.21 | 11.25 | 11.51 |
| 70..... | 14.21 | 12.87 | 12.11 | 11.35 | 10.38 | 10.29 | 10.07 | 9.42 | 9.20 | 9.51 | 8.83 | 9.03 |
| 75..... | 10.98 | 9.92 | 9.40 | 8.87 | 8.06 | 7.92 | 7.77 | 7.17 | 7.02 | 7.30 | 6.75 | 6.84 |
| 80..... | 8.14 | 7.43 | 7.11 | 6.76 | 6.18 | 5.89 | 5.88 | 5.38 | 5.26 | 5.47 | 5.09 | 5.10 |
| 85..... | 5.77 | 5.43 | 5.28 | 5.09 | 4.63 | 4.34 | 4.35 | 4.02 | 3.99 | 4.06 | 3.88 | 3.81 |
| 90..... | 3.97 | 3.90 | 3.85 | 3.83 | 3.49 | 3.16 | 3.27 | 3.06 | 3.03 | 3.18 | 2.99 | 2.85 |
| 95..... | 2.75 | 2.77 | 2.88 | 2.91 | 2.67 | 2.43 | 2.48 | 2.40 | 2.19 | 2.36 | 2.31 | 2.12 |
| 100..... | 1.98 | 1.98 | 2.21 | 2.41 | 2.20 | 1.91 | 1.92 | 1.96 | 1.49 | 1.58 | 1.68 | 1.55 |
| White female | | | | | | | | | | | | |
| 0..... | 81.23 | 79.99 | 79.45 | 78.22 | 75.49 | 74.19 | 72.03 | 67.29 | 62.67 | 58.53 | 53.62 | 51.08 |
| 1..... | 80.61 | 79.40 | 78.99 | 77.98 | 75.66 | 74.68 | 72.77 | 68.93 | 64.93 | 61.51 | 58.69 | 56.39 |
| 5..... | 76.68 | 75.48 | 75.10 | 74.13 | 71.86 | 70.92 | 69.09 | 65.57 | 62.17 | 59.43 | 57.67 | 56.03 |
| 10..... | 71.72 | 70.53 | 70.16 | 69.21 | 66.97 | 66.05 | 64.26 | 60.85 | 57.65 | 55.17 | 53.57 | 52.15 |

See footnotes at end of table.

Table 21. Life expectancy, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Average number of years of life remaining (e_x) | | | | | | | | | | | |
|--------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| White female—Con. | | | | | | | | | | | | |
| 15..... | 66.76 | 65.58 | 65.23 | 64.29 | 62.07 | 61.15 | 59.39 | 56.07 | 53.00 | 50.67 | 49.12 | 47.79 |
| 20..... | 61.85 | 60.70 | 60.36 | 59.44 | 57.24 | 56.29 | 54.56 | 51.38 | 48.52 | 46.46 | 44.88 | 43.77 |
| 25..... | 56.98 | 55.83 | 55.51 | 54.60 | 52.42 | 51.45 | 49.77 | 46.78 | 44.25 | 42.55 | 40.88 | 40.05 |
| 30..... | 52.13 | 50.95 | 50.65 | 49.76 | 47.60 | 46.63 | 45.00 | 42.21 | 39.99 | 38.72 | 36.96 | 36.42 |
| 35..... | 47.30 | 46.11 | 45.82 | 44.93 | 42.82 | 41.84 | 40.28 | 37.70 | 35.73 | 34.86 | 33.09 | 32.82 |
| 40..... | 42.52 | 41.33 | 41.03 | 40.16 | 38.12 | 37.13 | 35.64 | 33.25 | 31.52 | 30.94 | 29.26 | 29.17 |
| 45..... | 37.82 | 36.62 | 36.30 | 35.49 | 33.54 | 32.53 | 31.12 | 28.90 | 27.39 | 26.98 | 25.45 | 25.51 |
| 50..... | 33.25 | 32.01 | 31.71 | 30.96 | 29.11 | 28.08 | 26.76 | 24.72 | 23.41 | 23.12 | 21.74 | 21.89 |
| 55..... | 28.80 | 27.53 | 27.29 | 26.61 | 24.85 | 23.81 | 22.58 | 20.73 | 19.60 | 19.40 | 18.18 | 18.43 |
| 60..... | 24.47 | 23.25 | 23.09 | 22.45 | 20.79 | 19.69 | 18.64 | 17.00 | 16.05 | 15.93 | 14.92 | 15.23 |
| 65..... | 20.32 | 19.23 | 19.14 | 18.55 | 16.93 | 15.88 | 15.00 | 13.56 | 12.81 | 12.75 | 11.97 | 12.23 |
| 70..... | 16.42 | 15.47 | 15.46 | 14.89 | 13.37 | 12.38 | 11.68 | 10.50 | 9.98 | 9.94 | 9.38 | 9.59 |
| 75..... | 12.83 | 12.02 | 12.11 | 11.58 | 10.21 | 9.28 | 8.87 | 7.92 | 7.56 | 7.62 | 7.20 | 7.33 |
| 80..... | 9.61 | 9.04 | 9.12 | 8.65 | 7.59 | 6.67 | 6.59 | 5.88 | 5.63 | 5.70 | 5.35 | 5.50 |
| 85..... | 6.86 | 6.59 | 6.62 | 6.32 | 5.54 | 4.66 | 4.83 | 4.34 | 4.24 | 4.24 | 4.06 | 4.10 |
| 90..... | 4.71 | 4.67 | 4.69 | 4.59 | 4.05 | 3.23 | 3.51 | 3.24 | 3.17 | 3.16 | 3.00 | 3.02 |
| 95..... | 3.20 | 3.24 | 3.36 | 3.39 | 3.04 | 2.43 | 2.56 | 2.47 | 2.24 | 2.20 | 2.27 | 2.21 |
| 100..... | 2.24 | 2.24 | 2.49 | 2.70 | 2.49 | 1.91 | 1.92 | 1.95 | 1.48 | 1.42 | 1.74 | 1.58 |
| Black¹ | | | | | | | | | | | | |
| 0..... | 74.99 | 71.81 | 69.16 | 68.52 | 64.11 | 63.91 | 60.73 | 53.85 | 48.53 | 47.03 | 35.87 | 33.80 |
| 1..... | 74.89 | 71.84 | 69.43 | 68.99 | 65.27 | 65.75 | 62.65 | 57.15 | 51.71 | 51.01 | 43.84 | 43.00 |
| 5..... | 71.01 | 67.98 | 65.64 | 65.25 | 61.62 | 62.21 | 59.25 | 54.13 | 49.25 | 49.44 | 45.34 | 45.55 |
| 10..... | 66.07 | 63.05 | 60.75 | 60.38 | 56.79 | 57.41 | 54.50 | 49.50 | 44.80 | 45.26 | 41.74 | 42.46 |
| 15..... | 61.13 | 58.13 | 55.86 | 55.49 | 51.94 | 52.57 | 49.73 | 44.89 | 40.37 | 41.02 | 38.02 | 39.04 |
| 20..... | 56.32 | 53.38 | 51.19 | 50.75 | 47.34 | 47.88 | 45.19 | 40.73 | 36.62 | 37.72 | 34.86 | 36.03 |
| 25..... | 51.66 | 48.78 | 46.67 | 46.18 | 43.00 | 43.35 | 40.85 | 36.91 | 33.32 | 34.91 | 31.72 | 33.04 |
| 30..... | 47.01 | 44.16 | 42.22 | 41.69 | 38.70 | 38.89 | 36.59 | 33.17 | 30.07 | 31.98 | 28.43 | 29.96 |
| 35..... | 42.38 | 39.59 | 37.87 | 37.28 | 34.48 | 34.56 | 32.44 | 29.53 | 26.94 | 29.07 | 25.39 | 26.82 |
| 40..... | 37.80 | 35.12 | 33.65 | 32.98 | 30.46 | 30.39 | 28.48 | 26.06 | 23.82 | 26.07 | 22.41 | 23.73 |
| 45..... | 33.33 | 30.84 | 29.55 | 28.87 | 26.65 | 26.46 | 24.75 | 22.82 | 20.97 | 23.17 | 19.58 | 20.67 |
| 50..... | 29.05 | 26.80 | 25.62 | 25.03 | 23.11 | 22.74 | 21.38 | 19.94 | 18.22 | 20.17 | 16.84 | 17.95 |
| 55..... | 25.05 | 22.97 | 21.95 | 21.50 | 19.83 | 19.45 | 18.41 | 17.43 | 15.80 | 17.33 | 14.33 | 15.23 |
| 60..... | 21.33 | 19.43 | 18.59 | 18.29 | 16.83 | 16.53 | 15.87 | 15.18 | 13.62 | 14.72 | 12.16 | 13.06 |
| 65..... | 17.84 | 16.14 | 15.56 | 15.37 | 14.16 | 13.96 | 13.59 | 13.02 | 11.49 | 12.22 | 10.22 | 10.87 |
| 70..... | 14.60 | 13.18 | 12.87 | 12.67 | 11.77 | 11.63 | 11.48 | 10.93 | 9.54 | 9.90 | 8.59 | 8.96 |
| 75..... | 11.62 | 10.54 | 10.48 | 10.32 | 9.89 | 9.52 | 9.48 | 8.97 | 7.84 | 8.00 | 7.08 | 7.24 |
| 80..... | 8.98 | 8.29 | 8.30 | 8.17 | 8.20 | 7.28 | 7.62 | 7.31 | 6.19 | 6.22 | 5.80 | 5.79 |
| 85..... | 6.77 | 6.41 | 6.51 | 6.54 | 6.54 | 5.27 | 5.79 | 5.91 | 4.92 | 4.88 | 4.80 | 4.56 |
| 90..... | 5.03 | 4.90 | 4.94 | 5.13 | 5.09 | 3.48 | 3.97 | 4.64 | 3.83 | 3.84 | 4.26 | 3.60 |
| 95..... | 3.72 | 3.71 | 3.82 | 4.08 | 4.28 | 2.43 | 2.70 | 3.51 | 2.83 | 2.90 | 3.31 | 2.82 |
| 100..... | 2.79 | 2.81 | 2.91 | 3.58 | 3.93 | 1.91 | 1.94 | 2.57 | 1.87 | 1.94 | 2.27 | 2.18 |

See footnotes at end of table.

Table 21. Life expectancy, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Average number of years of life remaining (e_x) | | | | | | | | | | | |
|---------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Black male¹ | | | | | | | | | | | | |
| 0..... | 71.75 | 68.17 | 64.47 | 64.10 | 60.00 | 61.48 | 58.91 | 52.26 | 47.55 | 47.14 | 34.05 | 32.54 |
| 1..... | 71.70 | 68.25 | 64.76 | 64.60 | 61.24 | 63.50 | 61.06 | 55.93 | 51.08 | 51.63 | 42.53 | 42.46 |
| 5..... | 67.82 | 64.40 | 60.98 | 60.86 | 57.60 | 59.98 | 57.69 | 52.95 | 48.69 | 50.18 | 44.25 | 45.06 |
| 10..... | 62.88 | 59.48 | 56.09 | 56.01 | 52.79 | 55.19 | 52.96 | 48.34 | 44.27 | 45.99 | 40.65 | 41.90 |
| 15..... | 57.95 | 54.57 | 51.22 | 51.14 | 47.96 | 50.39 | 48.23 | 43.74 | 39.83 | 41.75 | 36.77 | 38.26 |
| 20..... | 53.23 | 49.92 | 46.71 | 46.48 | 43.49 | 45.78 | 43.73 | 39.52 | 35.95 | 38.36 | 33.46 | 35.11 |
| 25..... | 48.72 | 45.50 | 42.40 | 42.09 | 39.45 | 41.38 | 39.49 | 35.72 | 32.67 | 35.54 | 30.44 | 32.21 |
| 30..... | 44.21 | 41.02 | 38.14 | 37.81 | 35.40 | 37.05 | 35.31 | 32.05 | 29.45 | 32.51 | 27.33 | 29.25 |
| 35..... | 39.69 | 36.56 | 34.02 | 33.60 | 31.42 | 32.81 | 31.21 | 28.48 | 26.39 | 29.54 | 24.42 | 26.16 |
| 40..... | 35.18 | 32.18 | 30.05 | 29.51 | 27.61 | 28.72 | 27.29 | 25.06 | 23.36 | 26.53 | 21.57 | 23.12 |
| 45..... | 30.78 | 28.01 | 26.18 | 25.61 | 24.03 | 24.89 | 23.59 | 21.88 | 20.59 | 23.55 | 18.85 | 20.09 |
| 50..... | 26.57 | 24.13 | 22.50 | 22.03 | 20.69 | 21.28 | 20.25 | 19.06 | 17.92 | 20.47 | 16.21 | 17.34 |
| 55..... | 22.69 | 20.50 | 19.08 | 18.79 | 17.66 | 18.11 | 17.36 | 16.60 | 15.46 | 17.50 | 13.82 | 14.69 |
| 60..... | 19.19 | 17.19 | 16.01 | 15.89 | 14.93 | 15.29 | 14.91 | 14.37 | 13.15 | 14.74 | 11.67 | 12.62 |
| 65..... | 15.95 | 14.12 | 13.27 | 13.29 | 12.53 | 12.84 | 12.75 | 12.21 | 10.87 | 12.07 | 9.74 | 10.38 |
| 70..... | 12.95 | 11.40 | 10.88 | 10.94 | 10.40 | 10.81 | 10.74 | 10.11 | 8.78 | 9.58 | 8.00 | 8.33 |
| 75..... | 10.22 | 9.07 | 8.84 | 8.90 | 8.76 | 8.93 | 8.83 | 8.17 | 6.99 | 7.61 | 6.58 | 6.60 |
| 80..... | 7.84 | 7.12 | 7.01 | 7.03 | 7.35 | 6.87 | 7.07 | 6.58 | 5.42 | 5.83 | 5.53 | 5.12 |
| 85..... | 5.92 | 5.52 | 5.58 | 5.61 | 5.92 | 5.08 | 5.38 | 5.34 | 4.30 | 4.53 | 4.48 | 4.04 |
| 90..... | 4.45 | 4.23 | 4.24 | 4.47 | 4.68 | 3.42 | 3.78 | 4.23 | 3.42 | 3.60 | 4.01 | 3.21 |
| 95..... | 3.36 | 3.24 | 3.37 | 3.62 | 3.92 | 2.43 | 2.64 | 3.20 | 2.54 | 2.61 | 3.15 | 2.50 |
| 100..... | 2.58 | 2.48 | 2.63 | 3.24 | 3.61 | 1.91 | 1.93 | 2.29 | 1.68 | 1.64 | 2.14 | 1.89 |
| Black female¹ | | | | | | | | | | | | |
| 0..... | 77.92 | 75.16 | 73.73 | 72.88 | 68.32 | 66.47 | 62.70 | 55.56 | 49.51 | 46.92 | 37.67 | 35.04 |
| 1..... | 77.75 | 75.13 | 73.96 | 73.31 | 69.37 | 68.10 | 64.37 | 58.46 | 52.33 | 50.39 | 45.15 | 43.54 |
| 5..... | 73.86 | 71.26 | 70.16 | 69.54 | 65.70 | 64.54 | 60.93 | 55.40 | 49.81 | 48.70 | 46.42 | 46.04 |
| 10..... | 68.92 | 66.32 | 65.26 | 64.65 | 60.85 | 59.72 | 56.17 | 50.75 | 45.33 | 44.54 | 42.84 | 43.02 |
| 15..... | 63.97 | 61.39 | 60.34 | 59.74 | 55.97 | 54.85 | 51.36 | 46.13 | 40.87 | 40.36 | 39.18 | 39.79 |
| 20..... | 59.07 | 56.52 | 55.49 | 54.90 | 51.22 | 50.07 | 46.77 | 42.04 | 37.22 | 37.15 | 36.14 | 36.89 |
| 25..... | 54.23 | 51.71 | 50.72 | 50.13 | 46.57 | 45.40 | 42.35 | 38.20 | 33.93 | 34.35 | 32.97 | 33.90 |
| 30..... | 49.44 | 46.95 | 46.03 | 45.43 | 42.00 | 40.83 | 38.02 | 34.40 | 30.67 | 31.48 | 29.61 | 30.70 |
| 35..... | 44.70 | 42.26 | 41.45 | 40.79 | 37.56 | 36.41 | 33.82 | 30.83 | 27.47 | 28.58 | 26.44 | 27.52 |
| 40..... | 40.04 | 37.69 | 36.96 | 36.28 | 33.32 | 32.16 | 29.82 | 27.19 | 24.30 | 25.60 | 23.34 | 24.37 |
| 45..... | 35.49 | 33.29 | 32.58 | 31.94 | 29.31 | 28.14 | 26.07 | 23.89 | 21.39 | 22.61 | 20.43 | 21.36 |
| 50..... | 31.13 | 29.06 | 28.38 | 27.84 | 25.52 | 24.31 | 22.67 | 20.95 | 18.60 | 19.76 | 17.65 | 18.67 |
| 55..... | 26.98 | 25.01 | 24.41 | 24.00 | 21.97 | 20.89 | 19.62 | 18.38 | 16.27 | 17.09 | 14.98 | 15.88 |
| 60..... | 23.02 | 21.20 | 20.71 | 20.42 | 18.66 | 17.83 | 16.95 | 16.10 | 14.22 | 14.69 | 12.78 | 13.60 |
| 65..... | 19.25 | 17.65 | 17.37 | 17.13 | 15.67 | 15.12 | 14.54 | 13.95 | 12.24 | 12.41 | 10.82 | 11.38 |
| 70..... | 15.73 | 14.41 | 14.32 | 14.05 | 13.02 | 12.46 | 12.29 | 11.82 | 10.38 | 10.25 | 9.22 | 9.62 |
| 75..... | 12.49 | 11.49 | 11.56 | 11.37 | 10.85 | 10.10 | 10.15 | 9.81 | 8.62 | 8.37 | 7.55 | 7.90 |

See footnotes at end of table.

Table 21. Life expectancy, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Average number of years of life remaining (e_x) | | | | | | | | | | | |
|--------------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Black female¹—Con. | | | | | | | | | | | | |
| 80..... | 9.59 | 8.96 | 9.05 | 8.95 | 8.87 | 7.66 | 8.15 | 8.02 | 6.90 | 6.58 | 6.05 | 6.48 |
| 85..... | 7.16 | 6.86 | 6.99 | 7.09 | 7.00 | 5.44 | 6.15 | 6.41 | 5.48 | 5.22 | 5.09 | 5.10 |
| 90..... | 5.23 | 5.16 | 5.24 | 5.47 | 5.41 | 3.52 | 4.13 | 4.96 | 4.20 | 4.07 | 4.50 | 4.01 |
| 95..... | 3.80 | 3.84 | 3.97 | 4.30 | 4.58 | 2.43 | 2.74 | 3.71 | 3.09 | 3.18 | 3.45 | 3.15 |
| 100..... | 2.79 | 2.84 | 2.97 | 3.69 | 4.20 | 1.91 | 1.94 | 2.70 | 2.04 | 2.23 | 2.39 | 2.49 |
| Hispanic | | | | | | | | | | | | |
| 0..... | 81.59 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 81.01 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 77.09 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 72.12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 67.17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 62.30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 57.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 52.70 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 47.90 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 43.12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 38.41 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 33.84 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 29.42 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 25.18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 21.12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 17.25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 13.64 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 10.40 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 7.60 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 5.37 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 3.76 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 2.68 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hispanic male | | | | | | | | | | | | |
| 0..... | 78.83 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 78.27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 74.35 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 69.39 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 64.43 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 59.61 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 54.88 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 50.15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 45.42 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 40.70 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table 21. Life expectancy, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Average number of years of life remaining (e_x) | | | | | | | | | | | |
|--------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Hispanic male—Con. | | | | | | | | | | | | |
| 45. | 36.07 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50. | 31.57 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55. | 27.27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60. | 23.19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65. | 19.30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70. | 15.65 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75. | 12.28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80. | 9.24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85. | 6.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90. | 4.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95. | 3.27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100. | 2.37 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hispanic female | | | | | | | | | | | | |
| 0. | 84.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | 83.45 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5. | 79.53 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10. | 74.56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15. | 69.60 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20. | 64.68 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25. | 59.79 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30. | 54.89 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35. | 50.01 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40. | 45.15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45. | 40.36 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50. | 35.69 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55. | 31.12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60. | 26.69 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65. | 22.43 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70. | 18.34 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75. | 14.48 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80. | 11.02 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85. | 7.99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90. | 5.57 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95. | 3.82 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100. | 2.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table 21. Life expectancy, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Average number of years of life remaining (e_x) | | | | | | | | | | | |
|--------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Non-Hispanic white | | | | | | | | | | | | |
| 0..... | 78.71 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 78.12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 74.19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 69.23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 64.27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 59.42 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 54.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 49.92 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 45.20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 40.51 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 35.91 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 31.45 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 27.17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 23.04 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 19.09 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 15.40 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 12.01 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 9.01 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 6.46 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 4.48 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 3.10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 2.20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Non-Hispanic white male | | | | | | | | | | | | |
| 0..... | 76.30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 75.73 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 71.82 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 66.87 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 61.92 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 57.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 52.46 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 47.80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 43.15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 38.52 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 33.99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 29.62 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 25.46 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 21.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 17.71 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 14.18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table 21. Life expectancy, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Average number of years of life remaining (e_x) | | | | | | | | | | | |
|-------------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Non-Hispanic white male—Con. | | | | | | | | | | | | |
| 75..... | 10.96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 8.12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 5.76 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 3.97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 2.75 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 1.99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Non-Hispanic white female | | | | | | | | | | | | |
| 0..... | 81.06 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 80.44 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 76.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 71.53 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 66.57 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 61.66 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 56.80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 51.96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 47.15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 42.39 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 37.71 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 33.15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 28.72 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 24.40 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 20.26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 16.38 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 12.80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 9.60 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 6.85 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 4.71 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 3.20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 2.24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Non-Hispanic black | | | | | | | | | | | | |
| 0..... | 74.65 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 74.54 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 70.66 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 65.73 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 60.79 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 56.00 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 51.36 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 46.73 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table 21. Life expectancy, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Average number of years of life remaining (e_x) | | | | | | | | | | | |
|--------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Non-Hispanic black—Con. | | | | | | | | | | | | |
| 35..... | 42.12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 37.56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 33.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 28.85 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 24.87 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 21.18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 17.71 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 14.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 11.56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 8.95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 6.75 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 5.02 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 3.72 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 2.80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Non-Hispanic black male | | | | | | | | | | | | |
| 0..... | 71.41 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 71.35 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 67.47 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 62.53 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 57.59 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 52.89 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 48.41 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 43.92 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 39.41 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 34.94 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 30.56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 26.37 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 22.51 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 19.04 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 15.82 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 12.86 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 10.16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 7.81 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 5.89 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 4.44 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 3.36 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 2.59 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table 21. Life expectancy, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Average number of years of life remaining (e_x) | | | | | | | | | | | |
|---------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Non-Hispanic black female | | | | | | | | | | | | |
| 0..... | 77.62 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 77.44 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 73.55 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 68.61 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 63.66 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 58.77 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 53.95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 49.17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 44.45 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 39.80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 35.28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 30.93 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 26.80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 22.87 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 19.13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 15.64 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 12.43 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 9.55 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 7.14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 5.22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 3.80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 2.79 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- Data not available.

¹For 1939–1941 and 1949–1951, data shown are for the entire nonwhite population. During these periods, life tables were not constructed for the black population.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 22. Survivorship, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (<i>lx</i>) | | | | | | | | | | | |
|--------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| All races | | | | | | | | | | | | |
| 0..... | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 1..... | 99,382 | 99,305 | 99,064 | 98,740 | 97,998 | 97,407 | 97,024 | 95,290 | 94,028 | 92,515 | 88,538 | 87,552 |
| 5..... | 99,276 | 99,176 | 98,877 | 98,495 | 97,668 | 96,998 | 96,482 | 94,220 | 91,978 | 83,389 | 83,887 | 81,804 |
| 10..... | 99,217 | 99,097 | 98,766 | 98,347 | 97,460 | 96,765 | 96,177 | 93,710 | 91,106 | 88,129 | 82,458 | 80,052 |
| 15..... | 99,145 | 98,998 | 98,635 | 98,196 | 97,261 | 96,551 | 95,885 | 93,235 | 90,385 | 87,144 | 81,506 | 78,963 |
| 20..... | 98,899 | 98,664 | 98,215 | 97,741 | 96,716 | 96,111 | 95,366 | 92,435 | 89,089 | 85,441 | 80,074 | 77,239 |
| 25..... | 98,467 | 98,203 | 97,671 | 97,110 | 96,000 | 95,517 | 94,676 | 91,335 | 87,269 | 83,146 | 78,046 | 74,768 |
| 30..... | 97,990 | 97,751 | 97,070 | 96,477 | 95,307 | 94,905 | 93,919 | 90,078 | 85,302 | 80,642 | 75,779 | 72,043 |
| 35..... | 97,443 | 97,201 | 96,322 | 95,808 | 94,482 | 94,144 | 92,976 | 88,573 | 83,118 | 77,961 | 73,127 | 69,078 |
| 40..... | 96,761 | 96,422 | 95,373 | 94,926 | 93,322 | 93,064 | 91,648 | 86,650 | 80,557 | 75,114 | 70,042 | 65,890 |
| 45..... | 95,769 | 95,274 | 94,154 | 93,599 | 91,587 | 91,378 | 89,634 | 84,069 | 77,343 | 72,036 | 66,561 | 62,436 |
| 50..... | 94,226 | 93,601 | 92,370 | 91,526 | 88,972 | 88,756 | 86,591 | 80,487 | 73,321 | 68,429 | 62,460 | 58,514 |
| 55..... | 91,908 | 91,232 | 89,658 | 88,348 | 85,110 | 84,711 | 82,176 | 75,557 | 68,182 | 63,947 | 57,555 | 53,852 |
| 60..... | 88,666 | 87,642 | 85,537 | 83,726 | 79,529 | 79,067 | 75,921 | 68,924 | 61,563 | 58,079 | 51,138 | 47,946 |
| 65..... | 84,222 | 82,330 | 79,519 | 77,107 | 71,933 | 71,147 | 67,555 | 60,366 | 53,195 | 50,560 | 43,194 | 40,911 |
| 70..... | 77,958 | 74,891 | 71,357 | 68,248 | 61,984 | 60,857 | 56,987 | 49,655 | 42,768 | 41,090 | 33,816 | 32,390 |
| 75..... | 69,175 | 64,644 | 60,449 | 56,799 | 49,705 | 48,170 | 43,903 | 36,735 | 30,789 | 29,729 | 23,552 | 22,960 |
| 80..... | 57,081 | 50,885 | 47,084 | 43,180 | 35,285 | 33,576 | 29,313 | 22,883 | 18,580 | 18,298 | 13,712 | 13,529 |
| 85..... | 41,400 | 34,515 | 31,770 | 27,960 | 20,908 | 18,542 | 15,785 | 11,073 | 8,542 | 8,683 | 6,001 | 6,053 |
| 90..... | 23,587 | 18,496 | 17,046 | 14,154 | 9,297 | 7,080 | 6,144 | 3,796 | 2,998 | 2,941 | 1,868 | 1,867 |
| 95..... | 8,976 | 6,879 | 6,282 | 5,043 | 2,786 | 1,524 | 1,511 | 857 | 636 | 646 | 361 | 344 |
| 100..... | 1,882 | 1,479 | 1,424 | 1,150 | 542 | 183 | 199 | 123 | 62 | 67 | 40 | 31 |
| Male | | | | | | | | | | | | |
| 0..... | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 1..... | 99,326 | 99,239 | 98,961 | 98,607 | 97,755 | 97,087 | 96,661 | 94,762 | 93,440 | 91,745 | 87,505 | 86,426 |
| 5..... | 99,209 | 99,095 | 98,754 | 98,333 | 97,395 | 96,643 | 96,077 | 93,624 | 91,294 | 88,505 | 82,718 | 80,548 |
| 10..... | 99,144 | 99,008 | 98,627 | 98,160 | 97,151 | 96,375 | 95,726 | 93,054 | 90,346 | 87,184 | 81,249 | 78,775 |
| 15..... | 99,061 | 98,890 | 98,464 | 97,972 | 96,904 | 96,107 | 95,366 | 92,508 | 89,561 | 86,156 | 80,261 | 77,681 |
| 20..... | 98,716 | 98,426 | 97,854 | 97,316 | 96,126 | 95,491 | 94,695 | 91,617 | 88,220 | 84,440 | 78,792 | 75,984 |
| 25..... | 98,085 | 97,747 | 97,049 | 96,361 | 95,040 | 94,631 | 93,791 | 90,385 | 86,359 | 82,252 | 76,675 | 73,472 |
| 30..... | 97,415 | 97,114 | 96,166 | 95,430 | 94,072 | 93,826 | 92,861 | 89,009 | 84,346 | 79,890 | 74,378 | 70,747 |
| 35..... | 96,690 | 96,385 | 95,091 | 94,501 | 92,997 | 92,889 | 91,760 | 87,371 | 82,075 | 77,514 | 71,614 | 67,752 |
| 40..... | 95,832 | 95,389 | 93,761 | 93,345 | 91,541 | 91,572 | 90,207 | 85,246 | 79,357 | 74,432 | 68,297 | 64,447 |
| 45..... | 94,622 | 93,940 | 92,139 | 91,649 | 89,369 | 89,492 | 87,819 | 82,336 | 75,882 | 71,244 | 64,518 | 60,849 |
| 50..... | 92,746 | 91,818 | 89,865 | 89,007 | 86,070 | 86,199 | 84,158 | 78,254 | 71,518 | 67,553 | 60,118 | 56,736 |
| 55..... | 89,902 | 88,897 | 86,492 | 84,936 | 81,139 | 81,039 | 78,781 | 72,627 | 65,981 | 62,965 | 54,970 | 51,939 |
| 60..... | 85,868 | 84,551 | 81,378 | 79,012 | 73,958 | 73,887 | 71,246 | 65,142 | 58,909 | 56,917 | 48,343 | 45,895 |
| 65..... | 80,531 | 78,241 | 73,971 | 70,646 | 64,318 | 64,177 | 61,566 | 55,776 | 50,154 | 49,218 | 40,264 | 38,736 |
| 70..... | 73,256 | 69,491 | 64,107 | 59,681 | 52,296 | 52,244 | 49,950 | 44,588 | 39,516 | 39,668 | 31,023 | 30,217 |
| 75..... | 63,391 | 57,688 | 51,385 | 46,272 | 38,797 | 38,950 | 36,756 | 31,864 | 27,718 | 28,316 | 21,213 | 21,076 |

See footnotes at end of table.

Table 22. Survivorship, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (<i>lx</i>) | | | | | | | | | | | |
|--------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Male—Con. | | | | | | | | | | | | |
| 80..... | 50,319 | 42,769 | 36,749 | 31,810 | 24,921 | 25,300 | 25,237 | 18,995 | 16,172 | 17,128 | 11,942 | 12,084 |
| 85..... | 34,191 | 26,527 | 21,815 | 18,020 | 13,168 | 12,845 | 11,750 | 8,693 | 7,107 | 7,920 | 5,059 | 5,179 |
| 90..... | 17,406 | 12,473 | 9,878 | 7,732 | 5,107 | 4,609 | 4,197 | 2,787 | 2,283 | 2,527 | 1,502 | 1,508 |
| 95..... | 5,582 | 3,855 | 2,927 | 2,279 | 1,326 | 970 | 955 | 586 | 451 | 556 | 289 | 262 |
| 100..... | 930 | 645 | 529 | 423 | 222 | 117 | 121 | 78 | 40 | 62 | 33 | 22 |
| Female | | | | | | | | | | | | |
| 0..... | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 1..... | 99,441 | 99,375 | 99,172 | 98,880 | 98,254 | 97,744 | 97,406 | 95,848 | 94,728 | 93,383 | 89,623 | 88,733 |
| 5..... | 99,347 | 99,261 | 99,006 | 98,666 | 97,955 | 97,371 | 96,908 | 94,848 | 92,789 | 90,380 | 85,117 | 83,119 |
| 10..... | 99,294 | 99,190 | 98,911 | 98,544 | 97,784 | 97,173 | 96,652 | 94,402 | 92,008 | 89,186 | 83,728 | 81,390 |
| 15..... | 99,234 | 99,111 | 98,814 | 98,432 | 97,636 | 97,016 | 96,431 | 94,000 | 91,364 | 88,247 | 82,813 | 80,307 |
| 20..... | 99,090 | 98,915 | 98,597 | 98,184 | 97,331 | 96,756 | 96,066 | 93,293 | 90,116 | 86,556 | 81,418 | 78,555 |
| 25..... | 98,868 | 98,682 | 98,325 | 97,883 | 96,966 | 96,418 | 95,583 | 92,322 | 88,328 | 84,135 | 79,481 | 76,119 |
| 30..... | 98,588 | 98,418 | 98,013 | 97,551 | 96,544 | 95,996 | 94,933 | 91,182 | 86,398 | 81,463 | 77,247 | 73,394 |
| 35..... | 98,222 | 98,052 | 97,596 | 97,140 | 95,966 | 95,409 | 94,206 | 89,810 | 84,304 | 78,713 | 74,719 | 70,463 |
| 40..... | 97,719 | 97,493 | 97,033 | 96,531 | 95,097 | 94,560 | 93,101 | 88,092 | 81,927 | 75,907 | 71,894 | 67,407 |
| 45..... | 96,946 | 96,648 | 96,222 | 95,570 | 93,793 | 93,265 | 91,469 | 85,856 | 79,041 | 72,954 | 68,755 | 64,121 |
| 50..... | 95,736 | 95,425 | 94,932 | 94,060 | 91,852 | 91,327 | 89,075 | 82,828 | 75,456 | 69,452 | 65,001 | 60,415 |
| 55..... | 93,943 | 93,609 | 92,881 | 91,760 | 89,066 | 88,451 | 85,694 | 78,708 | 70,832 | 65,099 | 60,392 | 55,908 |
| 60..... | 91,483 | 90,767 | 89,742 | 88,414 | 85,139 | 84,430 | 80,890 | 73,093 | 64,795 | 59,438 | 54,226 | 50,155 |
| 65..... | 87,926 | 86,433 | 85,075 | 83,520 | 79,698 | 78,462 | 74,119 | 65,523 | 56,924 | 52,126 | 46,438 | 43,246 |
| 70..... | 82,656 | 80,219 | 78,522 | 76,720 | 71,955 | 70,100 | 64,873 | 55,449 | 46,774 | 42,741 | 36,916 | 34,721 |
| 75..... | 74,912 | 71,311 | 69,287 | 67,186 | 61,107 | 58,394 | 52,111 | 42,425 | 34,600 | 31,344 | 26,155 | 24,994 |
| 80..... | 63,700 | 58,455 | 56,986 | 54,372 | 46,445 | 43,063 | 36,486 | 27,524 | 21,578 | 19,613 | 15,682 | 15,129 |
| 85..... | 48,233 | 41,830 | 41,115 | 37,772 | 29,538 | 25,269 | 20,668 | 13,972 | 10,322 | 9,515 | 7,051 | 7,063 |
| 90..... | 29,121 | 23,936 | 23,666 | 20,578 | 14,160 | 10,056 | 8,548 | 5,044 | 3,656 | 3,314 | 2,269 | 2,306 |
| 95..... | 11,858 | 9,560 | 9,346 | 7,862 | 4,565 | 2,193 | 2,207 | 1,195 | 807 | 728 | 441 | 452 |
| 100..... | 2,642 | 2,183 | 2,251 | 1,927 | 954 | 264 | 298 | 179 | 82 | 72 | 49 | 43 |
| White | | | | | | | | | | | | |
| 0..... | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 1..... | 99,482 | 99,429 | 99,233 | 98,898 | 98,224 | 97,714 | 97,278 | 95,685 | 94,392 | 92,780 | 88,709 | 87,762 |
| 5..... | 99,384 | 99,313 | 99,068 | 98,675 | 97,930 | 97,353 | 96,790 | 94,713 | 92,466 | 89,771 | 84,147 | 82,071 |
| 10..... | 99,328 | 99,239 | 98,966 | 98,536 | 97,733 | 97,131 | 96,502 | 94,228 | 91,627 | 88,536 | 82,734 | 80,371 |
| 15..... | 99,260 | 99,146 | 98,843 | 98,391 | 97,546 | 96,928 | 96,228 | 93,792 | 90,982 | 87,633 | 81,816 | 79,344 |
| 20..... | 99,023 | 98,826 | 98,455 | 97,939 | 97,036 | 96,508 | 95,763 | 93,117 | 89,933 | 86,159 | 80,407 | 77,998 |
| 25..... | 98,610 | 98,406 | 97,972 | 97,340 | 96,406 | 95,965 | 95,169 | 92,213 | 88,454 | 84,106 | 78,392 | 75,202 |
| 30..... | 98,151 | 98,000 | 97,451 | 96,774 | 95,824 | 95,440 | 94,536 | 91,185 | 86,836 | 81,787 | 76,167 | 72,317 |
| 35..... | 97,621 | 97,506 | 96,810 | 96,192 | 95,152 | 94,798 | 93,750 | 89,941 | 85,004 | 79,277 | 73,568 | 69,522 |

See footnotes at end of table.

Table 22. Survivorship, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (<i>lx</i>) | | | | | | | | | | | |
|--------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| White—Con. | | | | | | | | | | | | |
| 40..... | 96,964 | 96,799 | 96,000 | 95,427 | 94,190 | 93,870 | 92,616 | 88,318 | 82,803 | 76,642 | 70,525 | 66,082 |
| 45..... | 96,003 | 95,759 | 94,932 | 94,257 | 92,681 | 92,374 | 90,847 | 86,069 | 79,989 | 73,705 | 67,090 | 62,920 |
| 50..... | 94,505 | 94,242 | 93,326 | 92,384 | 90,306 | 89,958 | 88,110 | 82,833 | 76,340 | 70,250 | 62,994 | 58,647 |
| 55..... | 92,271 | 92,050 | 90,833 | 89,427 | 86,688 | 86,173 | 84,027 | 78,218 | 71,551 | 65,875 | 58,163 | 54,450 |
| 60..... | 89,161 | 88,655 | 86,943 | 85,031 | 81,323 | 80,811 | 78,066 | 71,785 | 65,100 | 60,013 | 51,822 | 48,288 |
| 65..... | 84,838 | 83,518 | 81,123 | 78,585 | 73,889 | 73,102 | 69,850 | 63,201 | 56,655 | 52,411 | 43,904 | 41,505 |
| 70..... | 78,662 | 76,219 | 73,106 | 69,801 | 63,991 | 62,834 | 59,189 | 52,165 | 45,841 | 42,736 | 34,484 | 32,902 |
| 75..... | 69,893 | 66,022 | 62,175 | 58,299 | 51,586 | 49,895 | 45,688 | 38,610 | 33,406 | 31,086 | 24,151 | 23,356 |
| 80..... | 57,731 | 52,160 | 48,583 | 44,409 | 36,659 | 34,697 | 30,438 | 23,976 | 20,260 | 19,149 | 14,100 | 13,794 |
| 85..... | 41,843 | 35,461 | 32,850 | 28,768 | 21,578 | 19,017 | 16,239 | 11,483 | 9,325 | 9,078 | 6,178 | 6,192 |
| 90..... | 23,768 | 18,964 | 17,571 | 14,471 | 9,433 | 7,149 | 6,201 | 3,819 | 3,066 | 2,991 | 1,918 | 1,919 |
| 95..... | 8,893 | 6,971 | 6,416 | 5,067 | 2,743 | 1,521 | 1,500 | 801 | 636 | 643 | 364 | 355 |
| 100..... | 1,788 | 1,454 | 1,423 | 1,105 | 487 | 183 | 196 | 98 | 58 | 62 | 38 | 31 |
| White male | | | | | | | | | | | | |
| 0..... | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 1..... | 99,436 | 99,373 | 99,138 | 98,769 | 97,994 | 97,408 | 96,931 | 95,188 | 93,768 | 91,975 | 87,674 | 86,655 |
| 5..... | 99,328 | 99,243 | 98,956 | 98,519 | 97,671 | 97,015 | 96,403 | 94,150 | 91,738 | 88,842 | 82,972 | 80,864 |
| 10..... | 99,266 | 99,163 | 98,839 | 98,357 | 97,441 | 96,758 | 96,069 | 93,601 | 90,810 | 87,530 | 81,519 | 79,109 |
| 15..... | 99,187 | 99,052 | 98,686 | 98,176 | 97,208 | 96,503 | 95,728 | 93,089 | 90,074 | 86,546 | 80,549 | 78,037 |
| 20..... | 98,863 | 98,616 | 98,134 | 97,525 | 96,480 | 95,908 | 95,104 | 92,293 | 88,904 | 84,997 | 79,116 | 76,376 |
| 25..... | 98,266 | 98,003 | 97,430 | 96,616 | 95,524 | 95,106 | 94,294 | 91,241 | 87,371 | 83,061 | 77,047 | 73,907 |
| 30..... | 97,625 | 97,436 | 96,662 | 95,783 | 94,716 | 94,401 | 93,489 | 90,092 | 85,707 | 80,888 | 74,810 | 71,219 |
| 35..... | 96,926 | 96,774 | 95,731 | 94,980 | 93,843 | 93,589 | 92,543 | 88,713 | 83,812 | 78,441 | 72,108 | 68,245 |
| 40..... | 96,096 | 95,859 | 94,588 | 93,984 | 92,631 | 92,427 | 91,173 | 86,880 | 81,457 | 75,733 | 68,848 | 64,954 |
| 45..... | 94,917 | 94,530 | 93,167 | 92,494 | 90,725 | 90,533 | 89,002 | 84,285 | 78,345 | 72,696 | 65,115 | 61,369 |
| 50..... | 93,080 | 92,588 | 91,124 | 90,105 | 87,690 | 87,424 | 85,601 | 80,521 | 74,288 | 69,107 | 60,741 | 57,274 |
| 55..... | 90,325 | 89,883 | 88,022 | 86,303 | 83,001 | 82,463 | 80,496 | 75,156 | 68,981 | 64,574 | 55,622 | 52,491 |
| 60..... | 86,453 | 85,773 | 83,182 | 80,625 | 75,969 | 75,485 | 73,172 | 67,787 | 61,933 | 58,498 | 48,987 | 46,452 |
| 65..... | 81,277 | 79,657 | 75,962 | 72,393 | 66,343 | 65,834 | 63,541 | 58,305 | 52,964 | 50,663 | 40,862 | 39,245 |
| 70..... | 74,118 | 71,039 | 66,181 | 61,384 | 54,138 | 53,825 | 51,735 | 46,739 | 41,880 | 40,873 | 31,527 | 30,640 |
| 75..... | 64,273 | 59,245 | 53,308 | 47,712 | 40,324 | 40,207 | 38,104 | 33,404 | 29,471 | 29,205 | 21,585 | 21,387 |
| 80..... | 51,115 | 44,121 | 38,245 | 32,788 | 25,885 | 25,993 | 24,005 | 19,860 | 17,221 | 17,655 | 12,160 | 12,266 |
| 85..... | 34,726 | 27,425 | 22,720 | 18,538 | 13,527 | 13,065 | 12,015 | 9,013 | 7,572 | 8,154 | 5,145 | 5,252 |
| 90..... | 17,667 | 12,840 | 10,214 | 7,891 | 5,125 | 4,600 | 4,209 | 2,812 | 2,356 | 2,568 | 1,523 | 1,523 |
| 95..... | 5,529 | 3,899 | 2,988 | 2,279 | 1,274 | 956 | 942 | 552 | 461 | 556 | 289 | 263 |
| 100..... | 866 | 625 | 523 | 404 | 189 | 115 | 118 | 65 | 40 | 61 | 31 | 22 |

See footnotes at end of table.

Table 22. Survivorship, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (<i>lx</i>) | | | | | | | | | | | |
|--------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| White female | | | | | | | | | | | | |
| 0..... | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 1..... | 99,530 | 99,488 | 99,333 | 99,035 | 98,468 | 98,036 | 97,645 | 96,211 | 95,037 | 93,608 | 89,774 | 88,939 |
| 5..... | 99,443 | 99,385 | 99,187 | 98,841 | 98,203 | 97,709 | 97,199 | 95,309 | 93,216 | 90,721 | 85,349 | 83,426 |
| 10..... | 99,393 | 99,319 | 99,099 | 98,725 | 98,042 | 97,525 | 96,960 | 94,890 | 92,466 | 89,564 | 83,979 | 81,723 |
| 15..... | 99,337 | 99,245 | 99,007 | 98,618 | 97,902 | 97,375 | 96,756 | 94,534 | 91,894 | 88,712 | 83,093 | 80,680 |
| 20..... | 99,193 | 99,049 | 98,795 | 98,374 | 97,618 | 97,135 | 96,454 | 93,984 | 90,939 | 87,281 | 81,750 | 78,978 |
| 25..... | 98,975 | 98,835 | 98,547 | 98,093 | 97,299 | 96,844 | 96,072 | 93,228 | 89,524 | 85,163 | 79,865 | 76,588 |
| 30..... | 98,705 | 98,602 | 98,283 | 97,802 | 96,945 | 96,499 | 95,605 | 92,320 | 87,972 | 82,740 | 77,676 | 73,887 |
| 35..... | 98,353 | 98,282 | 97,939 | 97,445 | 96,474 | 96,026 | 94,977 | 91,211 | 86,248 | 80,206 | 75,200 | 70,971 |
| 40..... | 97,876 | 97,790 | 97,472 | 96,913 | 95,762 | 95,326 | 94,080 | 89,805 | 84,256 | 77,624 | 72,425 | 67,935 |
| 45..... | 97,140 | 97,049 | 96,768 | 96,065 | 94,649 | 94,228 | 92,725 | 87,920 | 81,780 | 74,871 | 69,341 | 64,677 |
| 50..... | 95,989 | 95,962 | 95,608 | 94,710 | 92,924 | 92,522 | 90,685 | 85,267 | 78,572 | 71,547 | 65,629 | 61,005 |
| 55..... | 94,284 | 94,293 | 93,730 | 92,594 | 90,383 | 89,967 | 87,699 | 81,520 | 74,321 | 67,323 | 61,053 | 56,509 |
| 60..... | 91,942 | 91,615 | 90,789 | 89,451 | 86,726 | 86,339 | 83,279 | 76,200 | 68,462 | 61,704 | 54,900 | 50,752 |
| 65..... | 88,483 | 87,449 | 86,339 | 84,764 | 81,579 | 80,739 | 76,773 | 68,701 | 60,499 | 54,299 | 47,086 | 43,806 |
| 70..... | 83,283 | 81,400 | 79,984 | 78,139 | 74,101 | 72,507 | 67,545 | 58,363 | 49,932 | 44,638 | 37,482 | 35,206 |
| 75..... | 75,561 | 72,595 | 70,834 | 68,712 | 63,290 | 60,461 | 54,397 | 44,685 | 37,024 | 32,777 | 26,569 | 25,362 |
| 80..... | 64,295 | 59,721 | 58,454 | 55,770 | 48,182 | 44,676 | 38,026 | 28,882 | 23,053 | 20,492 | 15,929 | 15,349 |
| 85..... | 48,673 | 42,848 | 42,274 | 38,774 | 30,490 | 26,046 | 21,348 | 14,487 | 10,937 | 9,909 | 7,152 | 7,149 |
| 90..... | 29,308 | 24,491 | 24,270 | 20,996 | 14,406 | 10,219 | 8,662 | 5,061 | 3,719 | 3,372 | 2,291 | 2,322 |
| 95..... | 11,762 | 9,680 | 9,495 | 7,900 | 4,526 | 2,203 | 2,200 | 1,109 | 797 | 721 | 434 | 448 |
| 100..... | 2,524 | 2,147 | 2,239 | 1,858 | 872 | 265 | 294 | 139 | 74 | 63 | 44 | 41 |
| Black¹ | | | | | | | | | | | | |
| 0..... | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 1..... | 98,811 | 98,578 | 98,187 | 97,885 | 96,731 | 95,732 | 95,407 | 92,584 | 92,035 | 90,379 | 79,784 | 76,609 |
| 5..... | 98,653 | 98,382 | 97,884 | 97,522 | 96,207 | 95,051 | 94,482 | 90,983 | 89,303 | 86,174 | 70,691 | 66,222 |
| 10..... | 98,572 | 98,271 | 97,720 | 97,322 | 95,928 | 94,745 | 94,060 | 90,339 | 88,258 | 84,690 | 68,437 | 63,410 |
| 15..... | 98,477 | 98,139 | 97,539 | 97,134 | 95,661 | 94,460 | 93,646 | 89,591 | 87,156 | 83,180 | 66,410 | 61,060 |
| 20..... | 98,152 | 97,701 | 96,925 | 96,652 | 94,887 | 93,880 | 92,738 | 87,839 | 84,386 | 79,641 | 63,165 | 57,931 |
| 25..... | 97,541 | 96,946 | 95,972 | 95,804 | 93,513 | 92,925 | 91,321 | 85,210 | 80,320 | 74,973 | 59,608 | 54,512 |
| 30..... | 96,844 | 96,143 | 94,809 | 94,680 | 91,934 | 91,699 | 89,584 | 82,194 | 75,962 | 70,492 | 56,112 | 51,287 |
| 35..... | 96,042 | 95,164 | 93,260 | 93,288 | 89,977 | 90,046 | 87,402 | 78,683 | 71,141 | 65,865 | 52,125 | 48,007 |
| 40..... | 95,037 | 93,809 | 91,239 | 91,439 | 87,304 | 87,766 | 84,478 | 74,466 | 65,974 | 61,244 | 47,866 | 44,518 |
| 45..... | 93,621 | 91,770 | 88,689 | 88,834 | 83,700 | 84,501 | 80,507 | 69,284 | 59,827 | 56,442 | 43,054 | 40,628 |
| 50..... | 91,476 | 88,761 | 85,285 | 85,044 | 78,938 | 80,172 | 74,976 | 62,702 | 53,141 | 51,422 | 37,800 | 36,103 |
| 55..... | 88,157 | 84,657 | 80,635 | 79,816 | 72,826 | 73,893 | 67,660 | 54,846 | 45,558 | 45,803 | 32,233 | 31,404 |
| 60..... | 83,380 | 79,007 | 74,335 | 72,913 | 65,250 | 65,795 | 58,593 | 46,318 | 37,654 | 39,418 | 26,046 | 25,698 |
| 65..... | 77,159 | 71,704 | 66,154 | 64,391 | 56,102 | 56,038 | 48,649 | 37,838 | 30,015 | 32,738 | 19,806 | 20,474 |
| 70..... | 69,195 | 62,349 | 56,192 | 54,617 | 45,785 | 45,434 | 38,616 | 29,654 | 22,505 | 25,585 | 14,021 | 14,960 |
| 75..... | 59,212 | 50,987 | 44,872 | 43,274 | 34,262 | 34,531 | 28,968 | 21,798 | 15,546 | 18,011 | 9,139 | 9,956 |

See footnotes at end of table.

Table 22. Survivorship, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (<i>lx</i>) | | | | | | | | | | | |
|---------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Black¹—Con. | | | | | | | | | | | | |
| 80..... | 46,954 | 37,964 | 33,149 | 31,711 | 23,710 | 24,815 | 20,003 | 14,408 | 9,589 | 11,376 | 5,158 | 5,750 |
| 85..... | 32,785 | 24,677 | 21,352 | 19,939 | 15,044 | 15,337 | 12,433 | 8,326 | 4,900 | 5,794 | 2,414 | 2,782 |
| 90..... | 18,692 | 13,204 | 11,646 | 10,713 | 8,087 | 7,195 | 6,394 | 4,077 | 2,044 | 2,317 | 913 | 1,054 |
| 95..... | 7,895 | 5,368 | 4,729 | 4,463 | 3,252 | 1,777 | 2,010 | 1,557 | 638 | 689 | 324 | 296 |
| 100..... | 2,199 | 1,491 | 1,376 | 1,360 | 1,036 | 214 | 301 | 399 | 120 | 129 | 77 | 57 |
| Black male¹ | | | | | | | | | | | | |
| 0..... | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 1..... | 98,690 | 98,437 | 98,023 | 97,703 | 96,394 | 95,301 | 94,911 | 91,772 | 91,268 | 89,499 | 78,065 | 74,674 |
| 5..... | 98,517 | 98,219 | 97,688 | 97,300 | 95,826 | 94,570 | 93,921 | 90,082 | 88,412 | 85,195 | 68,589 | 64,385 |
| 10..... | 98,428 | 98,093 | 97,501 | 97,061 | 95,497 | 94,234 | 93,453 | 89,393 | 87,311 | 83,768 | 66,377 | 61,730 |
| 15..... | 98,315 | 97,930 | 97,268 | 96,826 | 95,161 | 93,874 | 92,965 | 88,610 | 86,152 | 82,332 | 64,478 | 59,667 |
| 20..... | 97,827 | 97,275 | 96,301 | 96,132 | 94,053 | 93,108 | 91,941 | 86,968 | 83,621 | 79,057 | 61,426 | 56,733 |
| 25..... | 96,890 | 96,103 | 94,809 | 94,827 | 91,904 | 91,825 | 90,285 | 84,227 | 79,516 | 74,540 | 57,736 | 53,285 |
| 30..... | 95,872 | 94,940 | 93,070 | 93,125 | 89,584 | 90,270 | 88,327 | 80,979 | 75,083 | 70,344 | 54,073 | 49,867 |
| 35..... | 94,786 | 93,641 | 90,827 | 91,080 | 86,885 | 88,331 | 85,940 | 77,221 | 70,049 | 65,873 | 49,865 | 46,541 |
| 40..... | 93,527 | 91,945 | 87,948 | 88,490 | 83,441 | 85,744 | 82,832 | 72,780 | 64,710 | 61,353 | 45,414 | 42,989 |
| 45..... | 91,842 | 89,439 | 84,467 | 84,997 | 78,976 | 82,075 | 78,686 | 67,346 | 58,432 | 56,589 | 40,563 | 39,230 |
| 50..... | 89,335 | 85,653 | 79,984 | 80,065 | 73,282 | 77,239 | 72,891 | 60,495 | 51,748 | 51,880 | 35,427 | 34,766 |
| 55..... | 85,350 | 80,529 | 74,095 | 73,413 | 66,101 | 70,351 | 65,122 | 52,426 | 44,436 | 46,581 | 29,754 | 29,987 |
| 60..... | 79,409 | 73,588 | 66,334 | 64,980 | 57,457 | 61,669 | 55,535 | 43,833 | 36,790 | 40,506 | 23,750 | 24,194 |
| 65..... | 71,797 | 64,980 | 56,795 | 55,061 | 47,485 | 51,392 | 45,198 | 35,371 | 29,314 | 34,042 | 17,806 | 19,015 |
| 70..... | 62,428 | 54,253 | 45,690 | 44,213 | 36,925 | 39,914 | 35,018 | 27,236 | 21,741 | 26,923 | 12,295 | 13,829 |
| 75..... | 51,225 | 41,693 | 33,755 | 32,717 | 25,921 | 29,064 | 25,472 | 19,456 | 14,419 | 18,854 | 7,494 | 8,892 |
| 80..... | 38,187 | 28,497 | 22,549 | 22,017 | 16,560 | 19,994 | 16,904 | 12,186 | 8,239 | 11,615 | 3,894 | 4,831 |
| 85..... | 24,232 | 16,532 | 12,709 | 12,383 | 9,648 | 11,620 | 9,898 | 6,444 | 3,660 | 5,605 | 1,747 | 2,030 |
| 90..... | 12,127 | 7,625 | 5,972 | 5,708 | 4,696 | 5,174 | 4,642 | 2,836 | 1,246 | 2,040 | 595 | 634 |
| 95..... | 4,375 | 2,565 | 1,971 | 2,009 | 1,721 | 1,240 | 1,342 | 961 | 307 | 552 | 189 | 137 |
| 100..... | 1,024 | 563 | 466 | 513 | 489 | 149 | 192 | 209 | 41 | 77 | 40 | 18 |
| Black female¹ | | | | | | | | | | | | |
| 0..... | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 1..... | 98,936 | 98,723 | 98,356 | 98,073 | 97,076 | 96,172 | 95,913 | 93,416 | 92,796 | 91,251 | 81,493 | 78,525 |
| 5..... | 98,793 | 98,550 | 98,087 | 97,751 | 96,598 | 95,543 | 95,055 | 91,906 | 90,185 | 87,149 | 72,768 | 68,056 |
| 10..... | 98,722 | 98,456 | 97,946 | 97,590 | 96,369 | 95,265 | 94,679 | 91,308 | 89,201 | 85,607 | 70,508 | 65,111 |
| 15..... | 98,644 | 98,354 | 97,818 | 97,450 | 96,172 | 95,057 | 94,343 | 90,594 | 88,088 | 83,954 | 68,218 | 62,384 |
| 20..... | 98,488 | 98,141 | 97,566 | 97,180 | 95,729 | 94,660 | 93,544 | 88,736 | 85,078 | 80,154 | 64,764 | 59,053 |
| 25..... | 98,199 | 97,785 | 97,140 | 96,754 | 95,035 | 94,005 | 92,336 | 86,198 | 81,067 | 75,359 | 61,430 | 55,795 |
| 30..... | 97,804 | 97,314 | 96,514 | 96,150 | 94,114 | 93,070 | 90,799 | 83,384 | 76,816 | 70,633 | 58,281 | 52,773 |
| 35..... | 97,262 | 96,632 | 95,599 | 95,338 | 92,807 | 91,670 | 88,805 | 80,092 | 72,192 | 65,857 | 54,595 | 49,567 |
| 40..... | 96,490 | 95,588 | 94,364 | 94,137 | 90,817 | 89,676 | 86,052 | 76,084 | 67,271 | 61,130 | 50,568 | 46,146 |

See footnotes at end of table.

Table 22. Survivorship, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (<i>lx</i>) | | | | | | | | | | | |
|--------------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Black female¹—Con. | | | | | | | | | | | | |
| 45..... | 95,322 | 93,979 | 92,676 | 92,322 | 88,001 | 86,793 | 82,257 | 71,157 | 61,365 | 56,230 | 45,947 | 42,279 |
| 50..... | 93,512 | 91,680 | 90,277 | 89,563 | 84,168 | 82,979 | 77,007 | 64,885 | 54,920 | 50,780 | 40,886 | 37,681 |
| 55..... | 90,808 | 88,517 | 86,793 | 85,653 | 79,177 | 77,362 | 70,196 | 57,314 | 47,074 | 44,742 | 35,415 | 33,124 |
| 60..... | 87,088 | 84,044 | 81,886 | 80,293 | 72,820 | 69,941 | 61,758 | 48,928 | 38,761 | 37,954 | 28,908 | 27,524 |
| 65..... | 82,133 | 77,941 | 75,031 | 73,266 | 64,716 | 60,825 | 52,358 | 40,504 | 30,852 | 31,044 | 22,302 | 21,995 |
| 70..... | 75,421 | 69,778 | 66,278 | 64,729 | 54,873 | 51,274 | 42,612 | 32,354 | 23,341 | 24,107 | 15,871 | 16,140 |
| 75..... | 66,513 | 59,361 | 55,684 | 53,831 | 43,193 | 40,540 | 32,981 | 24,502 | 16,576 | 17,216 | 10,657 | 11,066 |
| 80..... | 54,849 | 46,453 | 43,622 | 41,686 | 31,756 | 30,315 | 23,712 | 17,039 | 10,822 | 11,151 | 6,324 | 6,708 |
| 85..... | 40,171 | 32,053 | 30,089 | 28,004 | 21,358 | 19,744 | 15,550 | 10,622 | 6,033 | 5,972 | 3,029 | 3,567 |
| 90..... | 24,212 | 18,347 | 17,536 | 16,260 | 12,210 | 9,675 | 8,590 | 5,652 | 2,774 | 2,579 | 1,206 | 1,492 |
| 95..... | 10,790 | 7,989 | 7,687 | 7,312 | 5,217 | 2,438 | 2,875 | 2,345 | 941 | 818 | 448 | 462 |
| 100..... | 3,115 | 2,351 | 2,364 | 2,398 | 1,803 | 293 | 445 | 659 | 193 | 179 | 112 | 97 |
| Hispanic | | | | | | | | | | | | |
| 0..... | 100,000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 99,481 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 99,386 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 99,336 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 99,274 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 99,069 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 98,737 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 98,384 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 97,993 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 97,516 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 96,817 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 95,671 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 93,915 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 91,341 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 87,686 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 82,614 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 75,421 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 65,037 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 50,694 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 32,741 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 15,271 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 4,351 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hispanic male | | | | | | | | | | | | |
| 0..... | 100,000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 99,440 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 99,341 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 99,288 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table 22. Survivorship, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (<i>lx</i>) | | | | | | | | | | | |
|--------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Hispanic male—Con. | | | | | | | | | | | | |
| 15..... | 99,219 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 98,933 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 98,464 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 97,960 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 97,415 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 96,767 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 95,857 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 94,420 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 92,185 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 88,872 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 84,314 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 78,003 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 69,342 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 57,652 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 42,222 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 24,534 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 9,642 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 2,153 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hispanic female | | | | | | | | | | | | |
| 0..... | 100,000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 99,523 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 99,435 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 99,389 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 99,335 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 99,219 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 99,049 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 98,864 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 98,642 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 98,344 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 97,868 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 97,026 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 95,759 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 93,903 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 91,092 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 87,103 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 81,164 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 71,827 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 58,105 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 39,328 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 19,275 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 5,658 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table 22. Survivorship, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (<i>lx</i>) | | | | | | | | | | | |
|--------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Non-Hispanic white | | | | | | | | | | | | |
| 0..... | 100,000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 99,483 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 99,387 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 99,331 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 99,264 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 99,026 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 98,603 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 98,116 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 97,549 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 96,848 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 95,837 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 94,292 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 92,013 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 88,860 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 84,496 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 78,282 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 69,475 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 57,295 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 41,462 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 23,520 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 8,793 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 1,768 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Non-Hispanic white male | | | | | | | | | | | | |
| 0..... | 100,000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 99,436 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 99,319 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 99,251 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 99,167 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 98,845 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 98,232 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 97,553 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 96,811 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 95,931 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 94,697 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 92,813 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 90,020 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 86,114 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 80,916 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 73,747 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 63,896 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table 22. Survivorship, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (<i>lx</i>) | | | | | | | | | | | |
|-------------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Non-Hispanic white male—Con. | | | | | | | | | | | | |
| 80..... | 50,740 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 34,408 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 17,473 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 5,461 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 855 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Non-Hispanic white female | | | | | | | | | | | | |
| 0..... | 100,000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 99,532 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 99,458 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 99,415 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 99,366 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 99,216 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 98,990 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 98,700 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 98,314 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 97,795 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 97,014 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 95,814 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 94,057 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 91,667 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 88,155 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 82,902 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 75,121 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 63,823 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 48,251 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 29,020 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 11,640 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 2,497 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Non-Hispanic black | | | | | | | | | | | | |
| 0..... | 100,000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 98,827 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 98,657 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 98,569 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 98,465 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 98,116 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 97,453 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 96,723 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 95,882 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table 22. Survivorship, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (<i>lx</i>) | | | | | | | | | | | |
|-------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Non-Hispanic black—Con. | | | | | | | | | | | | |
| 40. | 94,824 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45. | 93,339 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50. | 91,124 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55. | 87,721 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60. | 82,849 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65. | 76,518 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70. | 68,424 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75. | 58,352 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80. | 46,111 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85. | 32,085 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90. | 18,232 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95. | 7,685 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100. | 2,143 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Non-Hispanic black male | | | | | | | | | | | | |
| 0. | 100,000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | 98,708 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5. | 98,536 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10. | 98,447 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15. | 98,336 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20. | 97,812 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25. | 96,797 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30. | 95,739 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35. | 94,613 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40. | 93,285 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45. | 91,518 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50. | 88,928 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55. | 84,847 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60. | 78,819 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65. | 71,116 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70. | 61,619 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75. | 50,347 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80. | 37,373 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85. | 23,639 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90. | 11,747 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95. | 4,221 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100. | 990 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table 22. Survivorship, by age, race, Hispanic origin, and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 2009–2011—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods before 1929–1931, data are for groups of registration states as follows: 1900–1902 and 1909–1911, 10 states and the District of Columbia; 1919–1921, 34 states and the District of Columbia. Beginning in 1970, excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (<i>lx</i>) | | | | | | | | | | | |
|---------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2009–2011 | 1999–2001 | 1989–1991 | 1979–1981 | 1969–1971 | 1959–1961 | 1949–1951 | 1939–1941 | 1929–1931 | 1919–1921 | 1909–1911 | 1900–1902 |
| Non-Hispanic black female | | | | | | | | | | | | |
| 0..... | 100,000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1..... | 98,951 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5..... | 98,803 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10..... | 98,726 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15..... | 98,644 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20..... | 98,476 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25..... | 98,160 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30..... | 97,738 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35..... | 97,159 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40..... | 96,345 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45..... | 95,121 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50..... | 93,251 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55..... | 90,475 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60..... | 86,656 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65..... | 81,578 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70..... | 74,731 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75..... | 65,718 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 80..... | 54,031 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 85..... | 39,452 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90..... | 23,711 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 95..... | 10,546 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 100..... | 3,046 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- Data not available.

¹For 1939–1941 and 1949–1951, data shown are for the entire nonwhite population. During these periods, life tables were not constructed for the black population.

SOURCE: NCHS, National Vital Statistics System, Mortality.

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