U.S. Decennial Life Tables for 1999–2001, United States Life Tables

This report was updated to correct calculation errors in Tables 1–13.

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Abstract

Objectives—This report presents period life tables for the United States based on age-specific death rates for the period 1999–2001. These tables are the most recent in a 100-year series of decennial life tables for the United States.

Methods—This report presents complete life tables by age, race (white and black), and sex. Also presented are standard errors of the probability of dying and life expectancy. The data used to prepare these life tables are population estimates based on the 2000 decennial census, deaths occurring in the United States to U.S. residents in the 3 years 1999–2001, counts of U.S. resident births in the years 1997–2001, and population and death counts from the Medicare program for years 1999–2001.

Results—In 1999–2001, life expectancy at birth was 76.86 years for the total U.S. population, representing an increase of 27.62 years from a life expectancy of 49.24 years in 1900. Between 1900 and 2000, life expectancy increased by 40.12 years for black females (from 35.04 to 75.16), by 35.63 years for black males (from 32.54 to 68.17), by 28.91 years for white females (from 51.08 to 79.99), and by 26.55 years for white males (from 48.23 to 74.78).

Introduction

The life tables presented in this report are the most recent in a series of decennial life tables for the United States that dates to the beginning of the 20th century. The 1999–2001 life tables are the 11th in the decennial series. 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 the period 1929–1931, the decennial life tables were produced using data for all of the coterminous United States. Alaska and Hawaii were included beginning with the 1959–1961 decennial life tables. Each set of life tables is based on population data from a decennial census and reported deaths of the 3-year period surrounding the census year (the census year is the

middle year in all but the first in the series, in which deaths for 1900–1902 were used because death reports for 1899 were not collected (1)). The decennial life tables differ in one main respect from the life tables prepared and published annually in the Centers for Disease Control and Prevention's National Center for Health Statistics' (NCHS) *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.

This report is the first of a series of reports containing life tables for 1999–2001 and other information related to the decennial life table program. Also included in the series is a methodological report that describes in detail the methods employed 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

Mortality rates for a specific period may be summarized by the life table method to obtain measures of comparative longevity. There are two types of life tables—the 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. On the basis of 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 just a single complete cohort life table requires data over many years. Constructing cohort life tables entirely on the basis of observed data for real cohorts is usually not feasible because of data unavailability or incompleteness (2–4).

In contrast, 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 of relatively short duration (often 1 to 3 years). For example, the period life tables for 1999–2001 are based on the assumption that a hypothetical birth cohort will be subject throughout its lifetime to the age-specific death rates prevailing for the actual population in 1999–2001. 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 particular point in time. The life tables presented in this report are period life tables based on age-specific death rates for the period 1999–2001.

The data used to prepare the U.S. decennial life tables for 1999–2001 include deaths occurring in the United States to residents of the United States in the 3 years 1999–2001. The data are classified by age at death, age-specific population estimates for census year 2000, reported number of births for each of the years 1997–2001, and single-year population and death counts for those aged 66–100 years from the Medicare program of the Centers for Medicare and Medicaid Services for the years 1999–2001.

The census population counts used to estimate the life tables shown in this report were produced under a collaborative agreement with the U.S. Census Bureau. Reflecting the new guidelines issued in 1997 by the Office of Management and Budget (OMB), the 2000 census included an option for individuals to report more than one race as appropriate for themselves and household members (5). The 1997 OMB guidelines also provided for the reporting of Asian persons separately from Native Hawaiians or Other Pacific Islanders (NHOPI). Under the prior OMB standards (issued in 1977), data for Asian or Pacific Islander (API) persons were collected as a single group (6). Death certificates filed in state vital statistics offices for the years 1999–2001 included only one race for the decedent in the same categories as specified in the 1977 OMB guidelines, which also called for the grouping of Asians and NHOPI. Death certificate data by race were therefore incompatible with the population data collected in the 2000 census. As a result, NCHS developed a bridging algorithm that bridges reported 2000 decennial population data for multiple-race persons back to single-race categories and that groups API consistent with the 1977 OMB race categories (7).

Certain other data adjustments were necessary prior to the construction of the life tables. In accordance with standard practice, deaths for which age was not stated were allocated proportionally among the various age groups. Similarly, graduation techniques were used to eliminate anomalies arising from random variation and problems with age reporting in vital statistics and census data. Thus, to estimate the complete 1999–2001 life tables, Beer's minimized fifth-difference procedure was employed to interpolate single-year-of-age number of deaths and population counts from 5-year age intervals (2). Death rates at ages 95 years and over, where the data from the census and from registered deaths are suspect because the accuracy of the reporting of age is not as good as at younger ages, are based on data from the Medicare program. To obtain a smooth transition between vital statistics and Medicare-based rates, the rates from the two sources are blended for ages 66–94 years.

These life tables are based on a complete count of resident deaths in the United States during the 3 years 1999, 2000, and 2001. As such, they are not subject to sampling error. However, even complete counts may be considered as one of a large series of possible results that could have arisen under the same circumstances. This type of variation is known as random error. The reader should remember 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 them.

The probabilities of dying and the expectation of life presented in the report are "point" estimates. They do not give the reader an indication of 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 contain six decimal places, and standard errors of life expectancy contain three; they are shown in Tables 10 and 11. In both cases, the standard errors contain one place more than the corresponding variable in the life tables. 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 estimated 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 female will die before reaching her 61st birthday is 0.01283– (1.96 x 0.000179) and 0.01283 + (1.96 x 0.000179) (from Table 10). The resulting 95% confidence interval ranges from 0.01248 to 0.01318. Likewise, to obtain a 95% confidence interval around the life expectancy of a 60-year-old black female, one would add and subtract the product of the standard z-value (1.96) and the standard error of the point estimate (0.017) (from Table 11) to life expectancy at 60 years of age (21.20 years). The 95% confidence interval in this case is from 21.17 to 21.23 years. The standard errors and confidence intervals are relatively small because of the large number of deaths in the combined 3 years of data 1999–2001.

Expectation of life—The life table provides a convenient tool for comparing the longevity of different populations or of different subdivisions of a population. The most commonly used measure of longevity 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 in the 1999–2001 period are shown for the total population and by race and sex in Tables 1–9. On the basis of the mortality experience of the U.S. resident population in 1999–2001, life expectancy at birth (e_0) was 76.86 years for the total population.

Survivors to specified ages—Another way of estimating the longevity of the hypothetical life table cohort is by determining the proportion who survive to specified ages. The l_x column of the life table provides the data to estimate the proportion. For example, 50,885 persons out of the original life table cohort of 100,000 were alive at exactly 80 years of age (or 50.9%). Thus, the probability that a person will survive from birth to 80 years of age, given 1999–2001 age-specific mortality, is approximately 51%. Probabilities of survival can be calculated at any age by simply 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 ages 20 to 85 years, one would divide the number of survivors at 85 years of age (34,515) by the number of survivors at 20 years of age (98,664), which results in a 35.0% probability of survival.

Explanation of the columns of the life table

Column 1—Age (x to $x + n$)—This column shows the age interval between the two exact ages indicated. For instance, "7–28" days means the 21-day interval between the exact ages of 7 days and 28 days, and "43–44" years means the interval of 1 year between the 43rd and 44th birthdays. 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 ($_nq_x$)—This column shows the probability of dying between the beginning of an age interval and before reaching the end of that age interval on the basis of the mortality rates of 1999–2001. For example, for black males, the probability of dying between the 1st and 7th day of life is 0.00186 (Table 8). In other words, for every 1,000 black male babies surviving to day 1 of life, 1.86 of them will die before reaching the 7th day of life. Similarly, for black males in the age interval 20–21 years, the probability of dying is 0.00208, which translates to 2.08 of every 1,000 black males who reach their 20th birthday dying before reaching their 21st birthday. When the age interval is 1 year, the symbol q_x (instead of $_1q_x$) is generally used for the probability of dying.

Column 3—Number surviving (l_x)—This column shows the number of persons from the original life table 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. Thus, out of 100,000 white female babies born alive, 99,488 will complete the first year of life and enter the second; 99,319 will reach age 10; 99,049 will reach age 20; 42,848 will live to age 85; and, 13 will live to age 109 (Table 6).

Column 4—Number dying ($_nd_x$)—This column shows the number dying in each successive age interval out of the original 100,000 live births. For example, out of 100,000 males born alive, 298 will die in the first day of life, 126 will die between ages 20 and 21 years, and 235 will die between ages 100 and 101 years (Table 2). Each figure in column 4 is the difference between two successive figures in column 3. When the age interval is 1 year, the symbol d_x (instead of $_1d_x$) is generally used for the number dying.

Column 5—Person-years lived ($_nL_x$)—This column shows the number of person-years lived by the life table cohort within an age interval x to $x + n$. Each figure in column 5 represents the total time (in days or years) lived between two indicated birthdays by all those reaching the earlier birthday. Thus, the figure 98,893 for females in the age interval 20–21 years is the total number of years lived between the 20th and 21st birthdays by the 98,915 (column 3) females who reached their 20th birthday out of 100,000 females born alive (Table 3). When the age interval is 1 year, the symbol L_x is generally used instead of $_1L_x$.

Column 6—Total number of person-years lived (T_x). This column shows the total number of person-years that would be lived after the beginning of the age interval x to $x + n$ by the life table cohort. For example, the figure 7,847,649 is the total number of years lived after attaining 1 year of age by the 99,375 females reaching that age (Table 3).

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 on the basis of a given set of age-specific rates of dying. It is derived by dividing the total person-years that would be lived above age x by the number of persons who survived to that age interval (T_x/l_x). Thus, the average remaining lifetime for black males who reach age 1 year is 68.25 years (6,718,317 divided by 98,437) (Table 8).

The expectation of life at birth (e_0) is strongly affected by the number of deaths occurring during the first year of life. In comparing the longevity of different populations, also considering expectation of life at 1 year of age (e_1) may be desirable because this measure is not affected by the infant mortality rate. When infant mortality is high, life expectancy at 1 year of age is higher than at birth. This is a unique situation. At all other ages, life expectancy declines with advancing age. For the black population, life expectancy at 1 year of age has been greater than life expectancy at birth in all previous decennial life tables. In 1999–2001, life expectancy at 1 year of age was higher than life expectancy at birth only for the total black population and for black males. In contrast, the last time this was noted for the white population was in the 1969–1971 decennial life tables (8).

Caution must be used in drawing conclusions from the figures in column 7 (e_x). For example, in observing that the average remaining lifetime of white persons is greater than that of black persons, one should not conclude that the oldest ages reached by white persons necessarily exceed those attained by the most long-lived black persons. The difference in average length of life results from the fact that a greater proportion of black people die before reaching old age. For example, the proportion surviving to 75 years of age is greater among white persons (66.0%) than black persons (51.0%); yet, the average length of life remaining at 75 years of age is very similar for the two populations (10.54 years for black persons and 11.15 years for white persons) (Tables 4 and 7).

Results

Life expectancy in the United States

Tables 1–9 show complete life tables by race (white and black) and sex for the period 1999–2001. Life expectancy at birth for 1999–2001 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 in 1999–2001. In 1999–2001, life expectancy at birth was 76.86 years for the total population, 74.13 years for males, 79.49 years for females, 77.43 years for the total white population, 74.78 years for white males, 79.99 years for white females, 71.81 years for the total black population, 68.17 years for black males, and 75.16 years for black females. In comparison, life expectancy at birth in 1900–1902 was 49.24 years for the total population, 47.88 years for males, 50.70 years for females, 49.64 years for the total white population, 48.23 years for white males, 51.08 years for white females, 33.80 years for the total black population, 32.54 years for black males, and 35.04 years for black females (Table 12).

A sex gap favoring females has existed in all decennial periods since 1900–1902 (Table 12). In 1999–2001, female life expectancy at birth was 5.34 years greater than male life expectancy. In comparison, it was 6.98 years greater in 1989–1991. From 1900–1902 to 1969–1971, the female advantage increased from 2.82 years to 7.60 years. 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 (9,10). Since 1969–1971, the gap in favor of females has narrowed from 7.60 years to 5.34 years, reflecting proportionately greater increases in lung cancer mortality for women than for men and proportionately larger decreases in heart disease mortality among men (9,10).

Life expectancy for the white population has been greater than that of the black population in every decade since 1900–1902. At the turn of the last century, life expectancy at birth for the white population was 15.84 years greater than that of the black population. As of 1999–2001, that advantage had narrowed to 5.62 years, a historically record low level. Although the pattern was one of general decline over the past 100 years, the white population advantage did increase at some points, such as between 1979–1981 and 1989–1991. This increase was largely the result of increases in mortality among the black male population due to HIV infection and homicide (9,11).

Among the four race-sex groups in 1999–2001, white females had the highest life expectancy at birth (79.99 years), followed by black females (75.16 years), white males (74.78 years), and black males (68.17 years). Between 1999–2001 and the previous decennial period (1989–1991), life expectancy at birth increased 3.70 years for black males, 2.06 years for white males, 1.43 years for black females, and 0.54 years for white females. Between 1900–1902 and 1999–2001, black females and males experienced the greatest increases in life expectancy at birth (Figure 1). Over the 10 decades, life expectancy increased by 40.12 years for black females (from 35.04 to 75.16 years), 35.63 years for black males (from 32.54 to 68.17 years), 28.91 years for white females (from 51.08 to 79.99 years), and 26.55 years for white males (from 48.23 to 74.78 years).

Examining life expectancy at other ages is also of interest. For example, 65 years of age represents the traditional age at retirement, and 85 years of age represents the age to which, at the turn of the 21st century, 34.5% of the population survived compared with only 6.1% at the turn of the 20th century. On the basis of mortality experienced in 1999–2001, a person aged 65 years could expect to live an average of 17.77 more years for a total of 82.77 years, and a person aged 85 years could expect to live an additional 6.22 years on average for a total of 91.22 years.

Survivorship in the United States

Table 13 shows trends in survivorship from 1900–1902 to 1999–2001. In 1999–2001, 99.3% of all infants born in the United States survived the first year of life. In contrast, only 87.6% of infants born in 1900–1902 survived the first year. Approximately 50.9% of the 1999–2001 life table cohort survived to 80 years of age, and about 1.5% survived to age 100. In contrast, in 1900–1902 only 13.5% survived to 80 years of age, and only 0.03% survived to age 100.

In 1900–1902, race differentials in survival were considerable (Figure 2). 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 of age, compared with a little over 30 years of age for the black population. In other words, whereas one-half of the white population could expect to reach their 60th birthday, 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% at age 10. In contrast, only 63% of the black population survived to age 10. A closer look at survival
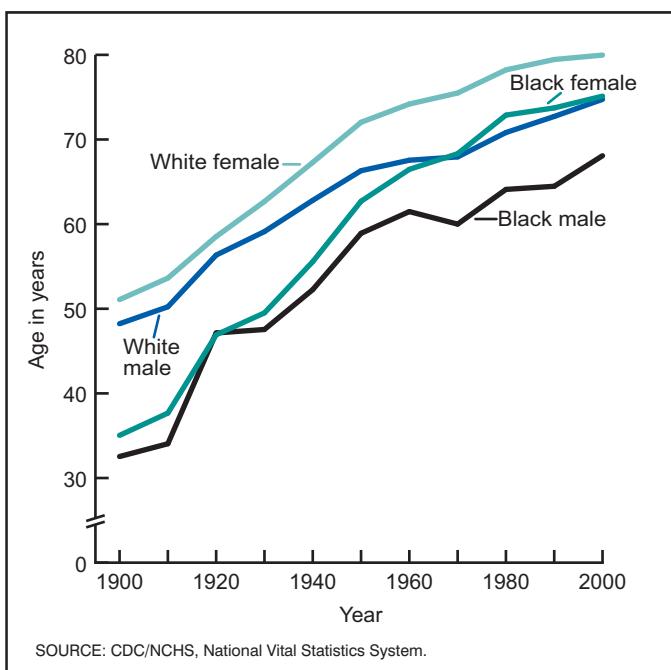
Figure 1. Life expectancy at birth by race and sex: Death-registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 1999–2001

between birth and 10 years of age 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 (9).

By 1999–2001, black population survival was still lower overall than white population survival (Figure 3). However, the clear separation between the sex-specific survival curves for the white and black populations shown in Figure 2 is no longer apparent. Figure 3 shows that
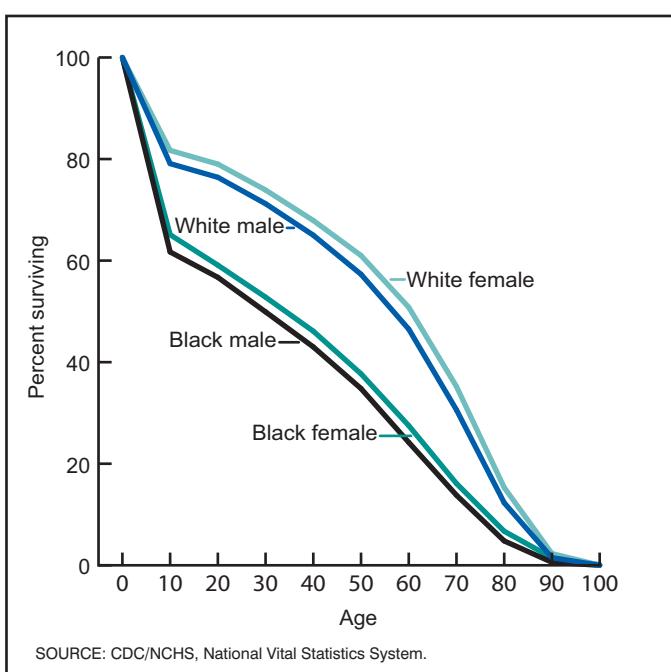
Figure 2. Percentage surviving by age, race, and sex: Death-registration states, 1900–1902
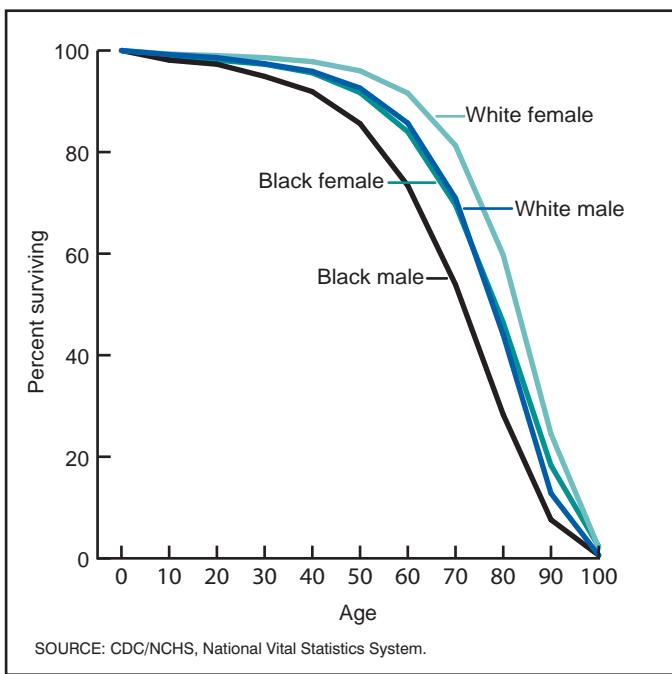
Figure 3. Percentage surviving by age, race, and sex: United States, 1999–2001

Figure 4. Percentage surviving by age: Death-registration states, 1900–1902, and United States, 1949–1951 and 1999–2001

although black male survival still lags behind the other race-sex groups, black female survival exceeds white male survival at older ages. Black female survival at 60 years of age improved to 84.0% from 27.5% in 1900–1902. At 80 years of age, survival for black females improved from 6.7% in 1900–1902 to 46.4% in 1999–2001. A major reason for improved black population survival over the past 100 years is substantially decreased mortality at younger ages. By 1999–2001, black survival at age 10 years improved from 63.4% in 1900–1902 to 98.3%, which was only about 1% lower than survival for the white population at age 10 years.

Plotting the percentage surviving by age for the periods 1900–1902, 1949–1951, and 1999–2001 shows an increasingly rectangular survival curve (Figure 4). 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 thereafter. In contrast, the survival curve for 1999–2001 is nearly flat until about 50 years of age, 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 1999–2001, improvements occurred primarily for the older population.

References

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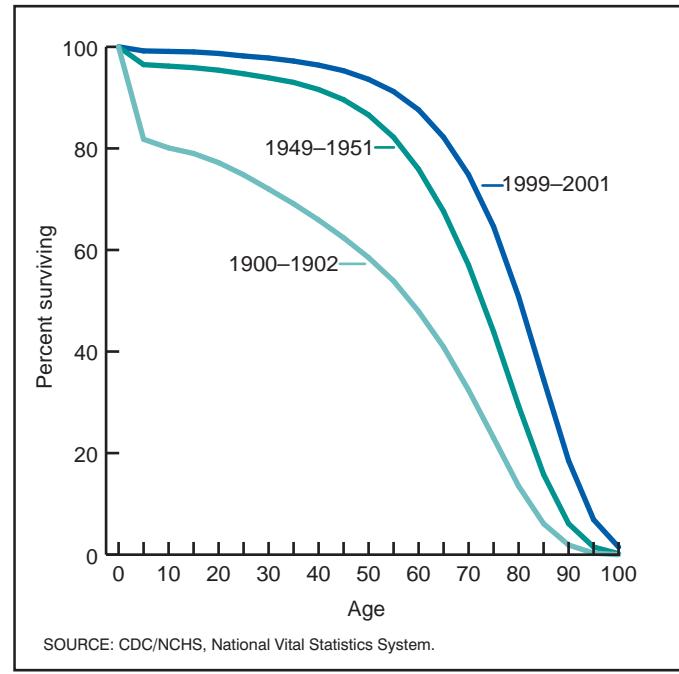
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List of Detailed Tables

Table 1. Life table for the total population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table01.xls.

Age	Probability of dying between ages x to $x + n$	Number surviving to age x	Number dying between ages x to $x + n$	Person-years lived between ages x to $x + n$	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	0.00275	100,000	275	274	7,686,022	76.86
1–7	0.00094	99,725	93	1,639	7,685,748	77.07
7–28	0.00095	99,631	94	5,729	7,684,109	77.13
28–365	0.00233	99,537	232	91,794	7,678,380	77.14
Years						
0–1	0.00695	100,000	695	99,436	7,686,022	76.86
1–2	0.00050	99,305	50	99,280	7,586,586	76.40
2–3	0.00033	99,255	33	99,239	7,487,306	75.43
3–4	0.00026	99,222	25	99,210	7,388,067	74.46
4–5	0.00021	99,197	21	99,186	7,288,858	73.48
5–6	0.00019	99,176	18	99,167	7,189,671	72.49
6–7	0.00017	99,158	17	99,149	7,090,504	71.51
7–8	0.00016	99,140	16	99,132	6,991,355	70.52
8–9	0.00015	99,124	15	99,117	6,892,223	69.53
9–10	0.00013	99,110	13	99,103	6,793,106	68.54
10–11	0.00012	99,097	12	99,091	6,694,003	67.55
11–12	0.00012	99,085	12	99,079	6,594,912	66.56
12–13	0.00016	99,073	16	99,065	6,495,832	65.57
13–14	0.00024	99,057	24	99,045	6,396,767	64.58
14–15	0.00036	99,033	35	99,016	6,297,722	63.59
15–16	0.00048	98,998	48	98,974	6,198,706	62.61
16–17	0.00060	98,950	59	98,921	6,099,732	61.64
17–18	0.00070	98,891	69	98,856	6,000,811	60.68
18–19	0.00077	98,822	76	98,784	5,901,955	59.72
19–20	0.00082	98,745	81	98,705	5,803,171	58.77
20–21	0.00088	98,664	87	98,621	5,704,466	57.82
21–22	0.00093	98,577	92	98,532	5,605,846	56.87
22–23	0.00096	98,486	95	98,438	5,507,314	55.92
23–24	0.00097	98,391	95	98,343	5,408,876	54.97
24–25	0.00095	98,296	93	98,249	5,310,533	54.03
25–26	0.00092	98,203	91	98,157	5,212,284	53.08
26–27	0.00091	98,112	89	98,068	5,114,127	52.13
27–28	0.00090	98,023	88	97,979	5,016,059	51.17
28–29	0.00092	97,935	90	97,890	4,918,080	50.22
29–30	0.00096	97,845	94	97,798	4,820,190	49.26
30–31	0.00100	97,751	98	97,702	4,722,393	48.31
31–32	0.00105	97,653	103	97,602	4,624,691	47.36
32–33	0.00111	97,551	109	97,496	4,527,089	46.41
33–34	0.00119	97,442	116	97,384	4,429,592	45.46
34–35	0.00128	97,326	125	97,263	4,332,209	44.51
35–36	0.00138	97,201	134	97,134	4,234,945	43.57
36–37	0.00148	97,067	144	96,995	4,137,811	42.63
37–38	0.00159	96,923	154	96,846	4,040,816	41.69
38–39	0.00172	96,769	167	96,686	3,943,970	40.76
39–40	0.00187	96,602	181	96,512	3,847,284	39.83
40–41	0.00203	96,422	196	96,324	3,750,773	38.90
41–42	0.00220	96,226	212	96,120	3,654,449	37.98
42–43	0.00238	96,014	228	95,900	3,558,329	37.06
43–44	0.00257	95,786	246	95,662	3,462,429	36.15
44–45	0.00278	95,539	266	95,406	3,366,767	35.24
45–46	0.00301	95,274	287	95,130	3,271,360	34.34
46–47	0.00326	94,987	310	94,832	3,176,230	33.44
47–48	0.00353	94,677	334	94,510	3,081,398	32.55
48–49	0.00380	94,343	358	94,164	2,986,889	31.66
49–50	0.00408	93,984	383	93,793	2,892,725	30.78
50–51	0.00437	93,601	409	93,397	2,798,932	29.90
51–52	0.00469	93,193	437	92,974	2,705,535	29.03
52–53	0.00505	92,755	469	92,521	2,612,561	28.17
53–54	0.00548	92,287	506	92,034	2,520,040	27.31
54–55	0.00598	91,781	549	91,507	2,428,006	26.45
55–56	0.00657	91,232	600	90,933	2,336,499	25.61
56–57	0.00724	90,633	657	90,305	2,245,567	24.78
57–58	0.00797	89,976	717	89,618	2,155,262	23.95

Table 1. Life table for the total population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table01.xls.

Age	Probability of dying between ages x to $x + n$	Number surviving to age x	Number dying between ages x to $x + n$	Person-years lived between ages x to $x + n$	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
58–59.	0.00872	89,259	778	88,870	2,065,645	23.14
59–60.	0.00948	88,481	839	88,062	1,976,774	22.34
60–61.	0.01033	87,642	906	87,189	1,888,713	21.55
61–62.	0.01130	86,737	981	86,246	1,801,523	20.77
62–63.	0.01235	85,756	1,059	85,226	1,715,277	20.00
63–64.	0.01347	84,697	1,141	84,126	1,630,050	19.25
64–65.	0.01466	83,556	1,225	82,943	1,545,924	18.50
65–66.	0.01591	82,330	1,310	81,675	1,462,981	17.77
66–67.	0.01713	81,020	1,388	80,326	1,381,306	17.05
67–68.	0.01855	79,632	1,477	78,893	1,300,980	16.34
68–69.	0.02019	78,155	1,578	77,366	1,222,086	15.64
69–70.	0.02202	76,577	1,686	75,734	1,144,720	14.95
70–71.	0.02398	74,891	1,796	73,993	1,068,987	14.27
71–72.	0.02615	73,095	1,911	72,140	994,994	13.61
72–73.	0.02864	71,184	2,039	70,165	922,854	12.96
73–74.	0.03149	69,145	2,178	68,057	852,689	12.33
74–75.	0.03470	66,968	2,324	65,806	784,633	11.72
75–76.	0.03826	64,644	2,473	63,407	718,827	11.12
76–77.	0.04211	62,171	2,618	60,862	655,420	10.54
77–78.	0.04632	59,553	2,758	58,174	594,558	9.98
78–79.	0.05093	56,795	2,893	55,348	536,384	9.44
79–80.	0.05598	53,902	3,017	52,393	481,036	8.92
80–81.	0.06149	50,885	3,129	49,320	428,643	8.42
81–82.	0.06751	47,756	3,224	46,144	379,322	7.94
82–83.	0.07406	44,532	3,298	42,883	333,178	7.48
83–84.	0.08120	41,234	3,348	39,560	290,295	7.04
84–85.	0.08897	37,886	3,370	36,200	250,736	6.62
85–86.	0.09739	34,515	3,361	32,834	214,535	6.22
86–87.	0.10652	31,154	3,319	29,494	181,701	5.83
87–88.	0.11640	27,835	3,240	26,215	152,206	5.47
88–89.	0.12706	24,595	3,125	23,033	125,991	5.12
89–90.	0.13854	21,470	2,975	19,983	102,959	4.80
90–91.	0.15089	18,496	2,791	17,100	82,975	4.49
91–92.	0.16412	15,705	2,577	14,416	65,875	4.19
92–93.	0.17827	13,128	2,340	11,957	51,459	3.92
93–94.	0.19336	10,787	2,086	9,744	39,501	3.66
94–95.	0.20940	8,702	1,822	7,790	29,757	3.42
95–96.	0.22639	6,879	1,557	6,101	21,967	3.19
96–97.	0.24434	5,322	1,300	4,672	15,866	2.98
97–98.	0.26323	4,022	1,059	3,492	11,194	2.78
98–99.	0.28303	2,963	839	2,544	7,702	2.60
99–100	0.30371	2,124	645	1,802	5,158	2.43
100–101	0.32521	1,479	481	1,239	3,356	2.27
101–102	0.34748	998	347	825	2,118	2.12
102–103	0.37043	651	241	531	1,293	1.99
103–104	0.39399	410	162	329	762	1.86
104–105	0.41805	248	104	197	433	1.74
105–106	0.44250	145	64	113	237	1.64
106–107	0.46724	81	38	62	124	1.54
107–108	0.49213	43	21	32	62	1.45
108–109	0.51707	22	11	16	30	1.36
109–110	0.54192	11	6	8	14	1.29

Table 2. Life table for males: United States, 1999–2001

Age	Probability of dying between ages x to x + n	Number surviving to age x	Number dying between ages x to x + n	Person-years lived between ages x to 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	0.00298	100,000	298	274	7,413,215	74.13
1–7	0.00106	99,702	106	1,638	7,412,941	74.35
7–28	0.00102	99,596	101	5,727	7,411,303	74.41
28–365	0.00258	99,495	256	91,744	7,405,576	74.43
Years						
0–1	0.00761	100,000	761	99,383	7,413,215	74.13
1–2	0.00055	99,239	54	99,211	7,313,832	73.70
2–3	0.00038	99,184	38	99,165	7,214,621	72.74
3–4	0.00029	99,147	28	99,132	7,115,456	71.77
4–5	0.00023	99,118	23	99,107	7,016,323	70.79
5–6	0.00021	99,095	20	99,085	6,917,217	69.80
6–7	0.00019	99,075	19	99,065	6,818,131	68.82
7–8	0.00018	99,056	18	99,047	6,719,066	67.83
8–9	0.00016	99,038	16	99,030	6,620,019	66.84
9–10	0.00014	99,022	14	99,015	6,520,989	65.85
10–11	0.00012	99,008	12	99,002	6,421,974	64.86
11–12	0.00013	98,996	12	98,990	6,322,972	63.87
12–13	0.00018	98,984	18	98,975	6,223,982	62.88
13–14	0.00030	98,966	30	98,951	6,125,006	61.89
14–15	0.00047	98,936	46	98,913	6,026,055	60.91
15–16	0.00065	98,890	64	98,858	5,927,142	59.94
16–17	0.00082	98,826	81	98,786	5,828,284	58.98
17–18	0.00097	98,745	96	98,698	5,729,498	58.02
18–19	0.00109	98,650	107	98,596	5,630,801	57.08
19–20	0.00118	98,542	116	98,484	5,532,205	56.14
20–21	0.00128	98,426	126	98,363	5,433,720	55.21
21–22	0.00138	98,300	135	98,232	5,335,357	54.28
22–23	0.00143	98,165	141	98,094	5,237,125	53.35
23–24	0.00143	98,024	140	97,954	5,139,031	52.43
24–25	0.00139	97,883	136	97,815	5,041,077	51.50
25–26	0.00134	97,747	130	97,682	4,943,262	50.57
26–27	0.00129	97,617	126	97,554	4,845,580	49.64
27–28	0.00127	97,491	124	97,429	4,748,026	48.70
28–29	0.00128	97,367	124	97,305	4,650,597	47.76
29–30	0.00132	97,243	128	97,178	4,553,293	46.82
30–31	0.00137	97,114	133	97,048	4,456,114	45.89
31–32	0.00142	96,982	137	96,913	4,359,066	44.95
32–33	0.00149	96,844	144	96,772	4,262,153	44.01
33–34	0.00158	96,700	153	96,624	4,165,380	43.08
34–35	0.00168	96,548	163	96,466	4,068,756	42.14
35–36	0.00180	96,385	173	96,299	3,972,290	41.21
36–37	0.00192	96,212	184	96,120	3,875,991	40.29
37–38	0.00206	96,028	197	95,929	3,779,871	39.36
38–39	0.00222	95,830	212	95,724	3,683,942	38.44
39–40	0.00240	95,618	229	95,503	3,588,218	37.53
40–41	0.00259	95,389	247	95,265	3,492,715	36.62
41–42	0.00280	95,141	267	95,008	3,397,450	35.71
42–43	0.00303	94,875	288	94,731	3,302,442	34.81
43–44	0.00329	94,587	311	94,432	3,207,711	33.91
44–45	0.00357	94,276	336	94,108	3,113,279	33.02
45–46	0.00388	93,940	365	93,758	3,019,171	32.14
46–47	0.00422	93,575	395	93,378	2,925,414	31.26
47–48	0.00457	93,180	425	92,967	2,832,036	30.39
48–49	0.00490	92,754	454	92,527	2,739,069	29.53
49–50	0.00522	92,300	482	92,059	2,646,541	28.67
50–51	0.00556	91,818	510	91,563	2,554,482	27.82
51–52	0.00593	91,308	542	91,037	2,462,919	26.97
52–53	0.00636	90,766	578	90,477	2,371,882	26.13
53–54	0.00688	90,189	620	89,878	2,281,404	25.30
54–55	0.00750	89,568	671	89,233	2,191,526	24.47
55–56	0.00823	88,897	731	88,531	2,102,293	23.65
56–57	0.00905	88,166	798	87,767	2,013,762	22.84
57–58	0.00994	87,368	869	86,933	1,925,995	22.04

Table 2. Life table for males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table02.xls.

Age	Probability of dying between ages x to $x + n$	Number surviving to age x	Number dying between ages x to $x + n$	Person-years lived between ages x to $x + n$	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
58–59.	0.01086	86,499	939	86,030	1,839,062	21.26
59–60.	0.01179	85,560	1,009	85,056	1,753,032	20.49
60–61.	0.01282	84,551	1,084	84,009	1,667,976	19.73
61–62.	0.01400	83,467	1,169	82,882	1,583,967	18.98
62–63.	0.01529	82,298	1,258	81,669	1,501,085	18.24
63–64.	0.01667	81,040	1,351	80,364	1,419,416	17.52
64–65.	0.01816	79,689	1,447	78,965	1,339,052	16.80
65–66.	0.01971	78,241	1,542	77,470	1,260,087	16.11
66–67.	0.02130	76,699	1,634	75,882	1,182,617	15.42
67–68.	0.02316	75,066	1,738	74,196	1,106,734	14.74
68–69.	0.02531	73,327	1,856	72,399	1,032,538	14.08
69–70.	0.02771	71,471	1,981	70,481	960,139	13.43
70–71.	0.03026	69,491	2,103	68,439	889,658	12.80
71–72.	0.03302	67,388	2,225	66,276	821,219	12.19
72–73.	0.03614	65,163	2,355	63,986	754,943	11.59
73–74.	0.03966	62,809	2,491	61,563	690,957	11.00
74–75.	0.04359	60,317	2,629	59,003	629,394	10.43
75–76.	0.04792	57,688	2,764	56,306	570,391	9.89
76–77.	0.05255	54,924	2,886	53,481	514,085	9.36
77–78.	0.05761	52,038	2,998	50,539	460,604	8.85
78–79.	0.06312	49,040	3,095	47,492	410,065	8.36
79–80.	0.06912	45,945	3,175	44,357	362,573	7.89
80–81.	0.07564	42,769	3,235	41,152	318,216	7.44
81–82.	0.08272	39,534	3,270	37,899	277,064	7.01
82–83.	0.09040	36,264	3,278	34,625	239,165	6.60
83–84.	0.09872	32,986	3,256	31,357	204,540	6.20
84–85.	0.10771	29,729	3,202	28,128	173,183	5.83
85–86.	0.11742	26,527	3,115	24,970	145,055	5.47
86–87.	0.12787	23,412	2,994	21,915	120,085	5.13
87–88.	0.13911	20,418	2,840	18,998	98,170	4.81
88–89.	0.15117	17,578	2,657	16,249	79,172	4.50
89–90.	0.16407	14,921	2,448	13,697	62,922	4.22
90–91.	0.17784	12,473	2,218	11,364	49,226	3.95
91–92.	0.19250	10,255	1,974	9,268	37,862	3.69
92–93.	0.20807	8,281	1,723	7,419	28,594	3.45
93–94.	0.22454	6,558	1,472	5,821	21,175	3.23
94–95.	0.24191	5,085	1,230	4,470	15,354	3.02
95–96.	0.26019	3,855	1,003	3,354	10,884	2.82
96–97.	0.27933	2,852	797	2,454	7,530	2.64
97–98.	0.29931	2,055	615	1,748	5,077	2.47
98–99.	0.32009	1,440	461	1,210	3,329	2.31
99–100	0.34160	979	334	812	2,119	2.16
100–101	0.36379	645	235	527	1,307	2.03
101–102	0.38657	410	159	331	780	1.90
102–103	0.40986	252	103	200	449	1.78
103–104	0.43356	148	64	116	249	1.68
104–105	0.45757	84	38	65	133	1.58
105–106	0.48178	46	22	35	68	1.48
106–107	0.50608	24	12	18	33	1.40
107–108	0.53034	12	6	9	15	1.32
108–109	0.55446	5	3	4	7	1.25
109–110	0.57833	2	1	2	3	1.19

Table 3. Life table for females: United States, 1999–2001

Age	Probability of dying between ages x to $x + n$	Number surviving to age x	Number dying between ages x to $x + n$	Person-years lived between ages x to $x + n$	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	0.00252	100,000	252	274	7,947,141	79.47
1–7	0.00081	99,748	80	1,639	7,946,867	79.67
7–28	0.00088	99,668	87	5,732	7,945,228	79.72
28–365	0.00206	99,580	205	91,847	7,939,496	79.73
Years						
0–1	0.00625	100,000	625	99,492	7,947,141	79.47
1–2	0.00046	99,375	45	99,352	7,847,649	78.97
2–3	0.00028	99,330	28	99,316	7,748,297	78.01
3–4	0.00023	99,302	22	99,291	7,648,981	77.03
4–5	0.00019	99,279	19	99,270	7,549,691	76.04
5–6	0.00017	99,261	16	99,252	7,450,421	75.06
6–7	0.00015	99,244	15	99,237	7,351,168	74.07
7–8	0.00014	99,229	14	99,222	7,251,932	73.08
8–9	0.00013	99,215	13	99,208	7,152,710	72.09
9–10	0.00012	99,202	12	99,196	7,053,501	71.10
10–11	0.00012	99,190	11	99,184	6,954,306	70.11
11–12	0.00012	99,178	12	99,173	6,855,121	69.12
12–13	0.00014	99,167	14	99,160	6,755,949	68.13
13–14	0.00018	99,153	18	99,144	6,656,789	67.14
14–15	0.00024	99,135	24	99,123	6,557,645	66.15
15–16	0.00031	99,111	30	99,096	6,458,522	65.16
16–17	0.00037	99,081	37	99,063	6,359,426	64.18
17–18	0.00042	99,044	41	99,024	6,260,363	63.21
18–19	0.00044	99,003	44	98,981	6,161,340	62.23
19–20	0.00045	98,960	44	98,937	6,062,358	61.26
20–21	0.00045	98,915	45	98,893	5,963,421	60.29
21–22	0.00046	98,870	46	98,847	5,864,528	59.32
22–23	0.00047	98,825	47	98,801	5,765,681	58.34
23–24	0.00048	98,778	47	98,754	5,666,880	57.37
24–25	0.00049	98,731	48	98,706	5,568,125	56.40
25–26	0.00050	98,682	49	98,658	5,469,419	55.42
26–27	0.00051	98,633	50	98,608	5,370,761	54.45
27–28	0.00053	98,583	52	98,557	5,272,153	53.48
28–29	0.00056	98,531	55	98,504	5,173,596	52.51
29–30	0.00059	98,476	58	98,447	5,075,092	51.54
30–31	0.00063	98,418	62	98,387	4,976,645	50.57
31–32	0.00068	98,356	66	98,323	4,878,258	49.60
32–33	0.00073	98,290	72	98,254	4,779,935	48.63
33–34	0.00080	98,218	79	98,178	4,681,681	47.67
34–35	0.00088	98,139	86	98,096	4,583,503	46.70
35–36	0.00096	98,052	94	98,005	4,485,407	45.75
36–37	0.00104	97,958	102	97,907	4,387,402	44.79
37–38	0.00113	97,856	111	97,801	4,289,495	43.83
38–39	0.00124	97,745	121	97,685	4,191,694	42.88
39–40	0.00135	97,625	132	97,559	4,094,009	41.94
40–41	0.00148	97,493	144	97,421	3,996,451	40.99
41–42	0.00161	97,349	156	97,271	3,899,030	40.05
42–43	0.00174	97,193	169	97,108	3,801,759	39.12
43–44	0.00187	97,024	181	96,933	3,704,651	38.18
44–45	0.00201	96,842	195	96,745	3,607,717	37.25
45–46	0.00216	96,648	209	96,543	3,510,972	36.33
46–47	0.00233	96,439	225	96,327	3,414,429	35.41
47–48	0.00252	96,214	243	96,093	3,318,102	34.49
48–49	0.00274	95,972	262	95,840	3,222,009	33.57
49–50	0.00297	95,709	284	95,567	3,126,169	32.66
50–51	0.00322	95,425	307	95,272	3,030,602	31.76
51–52	0.00349	95,118	332	94,952	2,935,330	30.86
52–53	0.00380	94,786	360	94,606	2,840,378	29.97
53–54	0.00414	94,426	391	94,231	2,745,772	29.08
54–55	0.00454	94,035	427	93,822	2,651,541	28.20
55–56	0.00501	93,609	469	93,375	2,557,719	27.32
56–57	0.00554	93,140	516	92,882	2,464,345	26.46
57–58	0.00612	92,624	567	92,340	2,371,463	25.60

Table 3. Life table for females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table03.xls.

Age	Probability of dying between ages x to x + n	Number surviving to age x	Number dying between ages x to x + n	Person-years lived between ages x to 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
58–59.	0.00672	92,057	619	91,747	2,279,122	24.76
59–60.	0.00734	91,438	671	91,102	2,187,375	23.92
60–61.	0.00804	90,767	730	90,402	2,096,272	23.10
61–62.	0.00883	90,037	795	89,640	2,005,871	22.28
62–63.	0.00969	89,242	864	88,810	1,916,231	21.47
63–64.	0.01059	88,378	936	87,910	1,827,421	20.68
64–65.	0.01154	87,442	1,009	86,937	1,739,512	19.89
65–66.	0.01256	86,433	1,085	85,890	1,652,574	19.12
66–67.	0.01353	85,347	1,154	84,770	1,566,684	18.36
67–68.	0.01465	84,193	1,233	83,576	1,481,914	17.60
68–69.	0.01593	82,960	1,322	82,299	1,398,338	16.86
69–70.	0.01739	81,638	1,419	80,929	1,316,039	16.12
70–71.	0.01898	80,219	1,522	79,458	1,235,110	15.40
71–72.	0.02079	78,696	1,636	77,878	1,155,653	14.68
72–73.	0.02292	77,060	1,766	76,177	1,077,774	13.99
73–74.	0.02540	75,294	1,913	74,338	1,001,597	13.30
74–75.	0.02822	73,381	2,071	72,346	927,260	12.64
75–76.	0.03137	71,311	2,237	70,192	854,914	11.99
76–77.	0.03479	69,073	2,403	67,872	784,722	11.36
77–78.	0.03857	66,670	2,571	65,384	716,850	10.75
78–79.	0.04274	64,099	2,739	62,729	651,466	10.16
79–80.	0.04733	61,359	2,904	59,907	588,736	9.59
80–81.	0.05240	58,455	3,063	56,924	528,829	9.05
81–82.	0.05797	55,392	3,211	53,787	471,905	8.52
82–83.	0.06409	52,181	3,345	50,509	418,119	8.01
83–84.	0.07082	48,837	3,459	47,107	367,610	7.53
84–85.	0.07819	45,378	3,548	43,604	320,502	7.06
85–86.	0.08625	41,830	3,608	40,026	276,898	6.62
86–87.	0.09507	38,222	3,634	36,405	236,872	6.20
87–88.	0.10468	34,588	3,621	32,778	200,467	5.80
88–89.	0.11513	30,968	3,565	29,185	167,689	5.41
89–90.	0.12649	27,403	3,466	25,669	138,503	5.05
90–91.	0.13879	23,936	3,322	22,275	112,834	4.71
91–92.	0.15207	20,614	3,135	19,047	90,558	4.39
92–93.	0.16638	17,480	2,908	16,025	71,511	4.09
93–94.	0.18175	14,571	2,648	13,247	55,486	3.81
94–95.	0.19821	11,923	2,363	10,741	42,239	3.54
95–96.	0.21575	9,560	2,063	8,528	31,498	3.29
96–97.	0.23440	7,497	1,757	6,619	22,969	3.06
97–98.	0.25414	5,740	1,459	5,010	16,351	2.85
98–99.	0.27494	4,281	1,177	3,693	11,340	2.65
99–100	0.29677	3,104	921	2,643	7,648	2.46
100–101	0.31957	2,183	698	1,834	5,004	2.29
101–102	0.34326	1,485	510	1,230	3,170	2.13
102–103	0.36777	975	359	796	1,940	1.99
103–104	0.39297	617	242	496	1,144	1.85
104–105	0.41876	374	157	296	648	1.73
105–106	0.44500	218	97	169	352	1.62
106–107	0.47155	121	57	92	183	1.51
107–108	0.49826	64	32	48	91	1.42
108–109	0.52498	32	17	24	43	1.33
109–110	0.55156	15	8	11	19	1.25

Table 4. Life table for the white population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table04.xls.

Age	Probability of dying between ages x to $x+n$	Number surviving to age x	Number dying between ages x to $x+n$	Person-years lived between ages x to $x+n$	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	0.00219	100,000	219	274	7,742,910	77.43
1–7	0.00083	99,781	83	1,640	7,742,636	77.60
7–28	0.00081	99,698	81	5,734	7,740,996	77.64
28–365	0.00189	99,617	188	91,889	7,735,262	77.65
Years						
0–1	0.00571	100,000	571	99,537	7,742,910	77.43
1–2	0.00044	99,429	44	99,407	7,643,373	76.87
2–3	0.00030	99,385	30	99,370	7,543,965	75.91
3–4	0.00024	99,355	23	99,343	7,444,595	74.93
4–5	0.00019	99,332	19	99,322	7,345,252	73.95
5–6	0.00017	99,313	17	99,304	7,245,930	72.96
6–7	0.00016	99,296	16	99,288	7,146,626	71.97
7–8	0.00015	99,280	15	99,272	7,047,339	70.98
8–9	0.00014	99,265	14	99,258	6,948,066	70.00
9–10	0.00012	99,251	12	99,245	6,848,808	69.00
10–11	0.00011	99,239	11	99,234	6,749,563	68.01
11–12	0.00011	99,229	11	99,223	6,650,330	67.02
12–13	0.00015	99,218	15	99,210	6,551,107	66.03
13–14	0.00023	99,203	23	99,191	6,451,896	65.04
14–15	0.00034	99,180	34	99,163	6,352,705	64.05
15–16	0.00047	99,146	46	99,123	6,253,542	63.07
16–17	0.00058	99,100	58	99,071	6,154,419	62.10
17–18	0.00068	99,042	67	99,009	6,055,348	61.14
18–19	0.00074	98,975	73	98,939	5,956,340	60.18
19–20	0.00078	98,902	77	98,864	5,857,401	59.22
20–21	0.00081	98,826	80	98,786	5,758,537	58.27
21–22	0.00085	98,746	84	98,703	5,659,751	57.32
22–23	0.00087	98,661	86	98,618	5,561,048	56.36
23–24	0.00087	98,575	86	98,532	5,462,429	55.41
24–25	0.00085	98,490	84	98,448	5,363,897	54.46
25–26	0.00083	98,406	81	98,365	5,265,449	53.51
26–27	0.00081	98,324	80	98,284	5,167,084	52.55
27–28	0.00081	98,244	79	98,205	5,068,800	51.59
28–29	0.00082	98,165	81	98,125	4,970,595	50.64
29–30	0.00086	98,084	84	98,042	4,872,471	49.68
30–31	0.00089	98,000	88	97,957	4,774,428	48.72
31–32	0.00094	97,913	92	97,867	4,676,472	47.76
32–33	0.00100	97,821	98	97,772	4,578,605	46.81
33–34	0.00107	97,723	105	97,671	4,480,833	45.85
34–35	0.00116	97,619	113	97,562	4,383,162	44.90
35–36	0.00124	97,506	121	97,445	4,285,600	43.95
36–37	0.00134	97,384	130	97,319	4,188,154	43.01
37–38	0.00144	97,254	140	97,184	4,090,835	42.06
38–39	0.00156	97,114	151	97,038	3,993,651	41.12
39–40	0.00169	96,963	164	96,881	3,896,613	40.19
40–41	0.00183	96,799	177	96,710	3,799,732	39.25
41–42	0.00198	96,621	192	96,525	3,703,022	38.33
42–43	0.00215	96,430	207	96,326	3,606,497	37.40
43–44	0.00232	96,223	223	96,111	3,510,171	36.48
44–45	0.00250	96,000	240	95,880	3,414,059	35.56
45–46	0.00271	95,759	259	95,630	3,318,180	34.65
46–47	0.00294	95,500	280	95,360	3,222,550	33.74
47–48	0.00318	95,220	303	95,068	3,127,190	32.84
48–49	0.00343	94,917	326	94,754	3,032,122	31.95
49–50	0.00370	94,591	350	94,416	2,937,368	31.05
50–51	0.00398	94,242	375	94,054	2,842,952	30.17
51–52	0.00429	93,867	402	93,666	2,748,897	29.29
52–53	0.00464	93,464	433	93,248	2,655,232	28.41
53–54	0.00505	93,031	469	92,796	2,561,984	27.54
54–55	0.00553	92,562	512	92,306	2,469,188	26.68
55–56	0.00610	92,050	562	91,769	2,376,882	25.82
56–57	0.00675	91,488	618	91,179	2,285,113	24.98
57–58	0.00746	90,870	678	90,531	2,193,934	24.14

Table 4. Life table for the white population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table04.xls.

Age	Probability of dying between ages x to $x + n$	Number surviving to age x	Number dying between ages x to $x + n$	Person-years lived between ages x to $x + n$	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
58–59.	0.00818	90,193	738	89,824	2,103,402	23.32
59–60.	0.00894	89,454	799	89,055	2,013,579	22.51
60–61.	0.00978	88,655	867	88,221	1,924,524	21.71
61–62.	0.01076	87,788	944	87,316	1,836,303	20.92
62–63.	0.01180	86,844	1,025	86,331	1,748,987	20.14
63–64.	0.01291	85,818	1,108	85,265	1,662,656	19.37
64–65.	0.01407	84,711	1,192	84,115	1,577,391	18.62
65–66.	0.01529	83,518	1,277	82,880	1,493,277	17.88
66–67.	0.01650	82,241	1,357	81,563	1,410,397	17.15
67–68.	0.01791	80,885	1,449	80,160	1,328,834	16.43
68–69.	0.01955	79,436	1,553	78,660	1,248,674	15.72
69–70.	0.02137	77,883	1,665	77,051	1,170,014	15.02
70–71.	0.02333	76,219	1,778	75,330	1,092,963	14.34
71–72.	0.02548	74,441	1,897	73,492	1,017,633	13.67
72–73.	0.02796	72,544	2,028	71,530	944,141	13.01
73–74.	0.03079	70,516	2,171	69,430	872,611	12.37
74–75.	0.03398	68,344	2,322	67,183	803,181	11.75
75–76.	0.03753	66,022	2,478	64,783	735,998	11.15
76–77.	0.04138	63,544	2,630	62,229	671,216	10.56
77–78.	0.04561	60,914	2,778	59,525	608,987	10.00
78–79.	0.05025	58,136	2,921	56,675	549,462	9.45
79–80.	0.05533	55,215	3,055	53,687	492,786	8.92
80–81.	0.06089	52,160	3,176	50,572	439,099	8.42
81–82.	0.06697	48,984	3,281	47,343	388,527	7.93
82–83.	0.07362	45,703	3,364	44,021	341,184	7.47
83–84.	0.08086	42,338	3,423	40,627	297,163	7.02
84–85.	0.08875	38,915	3,454	37,188	256,537	6.59
85–86.	0.09732	35,461	3,451	33,736	219,348	6.19
86–87.	0.10663	32,010	3,413	30,303	185,613	5.80
87–88.	0.11672	28,597	3,338	26,928	155,309	5.43
88–89.	0.12762	25,259	3,223	23,647	128,381	5.08
89–90.	0.13937	22,036	3,071	20,500	104,734	4.75
90–91.	0.15203	18,964	2,883	17,523	84,234	4.44
91–92.	0.16561	16,081	2,663	14,750	66,711	4.15
92–93.	0.18014	13,418	2,417	12,210	51,961	3.87
93–94.	0.19565	11,001	2,152	9,925	39,751	3.61
94–95.	0.21215	8,849	1,877	7,910	29,826	3.37
95–96.	0.22965	6,971	1,601	6,171	21,916	3.14
96–97.	0.24813	5,370	1,333	4,704	15,745	2.93
97–98.	0.26759	4,038	1,080	3,498	11,041	2.73
98–99.	0.28799	2,957	852	2,532	7,544	2.55
99–100	0.30928	2,106	651	1,780	5,012	2.38
100–101	0.33142	1,454	482	1,213	3,232	2.22
101–102	0.35433	972	345	800	2,019	2.08
102–103	0.37792	628	237	509	1,219	1.94
103–104	0.40211	391	157	312	709	1.82
104–105	0.42679	234	100	184	397	1.70
105–106	0.45183	134	60	104	214	1.60
106–107	0.47713	73	35	56	110	1.50
107–108	0.50254	38	19	29	54	1.41
108–109	0.52793	19	10	14	25	1.33
109–110	0.55318	9	5	7	11	1.25

Table 5. Life table for white males: United States, 1999–2001

Age	Probability of dying between ages x to $x + n$	Number surviving to age x	Number dying between ages x to $x + n$	Person-years lived between ages x to $x + n$	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	0.00236	100,000	236	274	7,477,612	74.78
1–7	0.00094	99,764	94	1,639	7,477,338	74.95
7–28	0.00087	99,670	87	5,732	7,475,699	75.00
28–365	0.00211	99,583	210	91,847	7,469,967	75.01
Years						
0–1	0.00627	100,000	627	99,492	7,477,612	74.78
1–2	0.00048	99,373	48	99,349	7,378,120	74.25
2–3	0.00035	99,326	35	99,308	7,278,771	73.28
3–4	0.00026	99,291	26	99,277	7,179,463	72.31
4–5	0.00021	99,264	21	99,254	7,080,186	71.33
5–6	0.00019	99,243	19	99,234	6,980,932	70.34
6–7	0.00018	99,225	18	99,216	6,881,698	69.35
7–8	0.00017	99,207	17	99,199	6,782,482	68.37
8–9	0.00015	99,191	15	99,183	6,683,283	67.38
9–10	0.00013	99,176	13	99,169	6,584,100	66.39
10–11	0.00011	99,163	11	99,158	6,484,931	65.40
11–12	0.00012	99,152	11	99,147	6,385,773	64.40
12–13	0.00017	99,141	17	99,133	6,286,626	63.41
13–14	0.00029	99,124	28	99,110	6,187,494	62.42
14–15	0.00044	99,096	44	99,074	6,088,384	61.44
15–16	0.00062	99,052	61	99,022	5,989,310	60.47
16–17	0.00078	98,991	77	98,953	5,890,288	59.50
17–18	0.00091	98,914	90	98,869	5,791,335	58.55
18–19	0.00102	98,824	100	98,774	5,692,466	57.60
19–20	0.00109	98,724	108	98,670	5,593,692	56.66
20–21	0.00117	98,616	115	98,558	5,495,022	55.72
21–22	0.00125	98,500	123	98,439	5,396,464	54.79
22–23	0.00129	98,378	127	98,314	5,298,025	53.85
23–24	0.00128	98,251	126	98,188	5,199,711	52.92
24–25	0.00124	98,125	122	98,064	5,101,523	51.99
25–26	0.00119	98,003	117	97,944	5,003,459	51.05
26–27	0.00115	97,886	113	97,830	4,905,515	50.11
27–28	0.00113	97,773	111	97,718	4,807,685	49.17
28–29	0.00114	97,662	112	97,607	4,709,967	48.23
29–30	0.00118	97,551	115	97,493	4,612,361	47.28
30–31	0.00123	97,436	119	97,376	4,514,868	46.34
31–32	0.00128	97,316	124	97,254	4,417,492	45.39
32–33	0.00134	97,192	131	97,127	4,320,238	44.45
33–34	0.00143	97,061	139	96,992	4,223,111	43.51
34–35	0.00153	96,923	148	96,848	4,126,119	42.57
35–36	0.00164	96,774	159	96,695	4,029,271	41.64
36–37	0.00175	96,616	169	96,531	3,932,576	40.70
37–38	0.00188	96,446	181	96,355	3,836,045	39.77
38–39	0.00203	96,265	195	96,167	3,739,689	38.85
39–40	0.00219	96,069	211	95,964	3,643,522	37.93
40–41	0.00237	95,859	227	95,745	3,547,558	37.01
41–42	0.00256	95,631	245	95,509	3,451,813	36.09
42–43	0.00277	95,387	264	95,255	3,356,304	35.19
43–44	0.00300	95,123	285	94,980	3,261,049	34.28
44–45	0.00325	94,838	308	94,684	3,166,069	33.38
45–46	0.00353	94,530	334	94,363	3,071,386	32.49
46–47	0.00383	94,196	361	94,016	2,977,023	31.60
47–48	0.00414	93,835	389	93,641	2,883,007	30.72
48–49	0.00445	93,446	416	93,238	2,789,367	29.85
49–50	0.00475	93,031	442	92,809	2,696,128	28.98
50–51	0.00507	92,588	469	92,354	2,603,319	28.12
51–52	0.00542	92,119	500	91,869	2,510,965	27.26
52–53	0.00583	91,619	534	91,352	2,419,096	26.40
53–54	0.00632	91,085	576	90,797	2,327,744	25.56
54–55	0.00692	90,509	626	90,196	2,236,946	24.72
55–56	0.00762	89,883	685	89,541	2,146,750	23.88
56–57	0.00842	89,198	751	88,823	2,057,209	23.06
57–58	0.00928	88,448	821	88,037	1,968,387	22.25

Table 5. Life table for white males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table05.xls.

Age	Probability of dying between ages x to x + n	Number surviving to age x	Number dying between ages x to x + n	Person-years lived between ages x to 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
58–59.	0.01017	87,627	891	87,181	1,880,349	21.46
59–60.	0.01109	86,735	962	86,254	1,793,168	20.67
60–61.	0.01212	85,773	1,040	85,254	1,706,914	19.90
61–62.	0.01331	84,734	1,128	84,170	1,621,660	19.14
62–63.	0.01460	83,606	1,220	82,996	1,537,491	18.39
63–64.	0.01597	82,386	1,316	81,728	1,454,495	17.65
64–65.	0.01743	81,070	1,413	80,364	1,372,766	16.93
65–66.	0.01895	79,657	1,509	78,902	1,292,403	16.22
66–67.	0.02051	78,148	1,603	77,347	1,213,500	15.53
67–68.	0.02235	76,545	1,711	75,690	1,136,154	14.84
68–69.	0.02450	74,835	1,833	73,918	1,060,464	14.17
69–70.	0.02689	73,002	1,963	72,020	986,546	13.51
70–71.	0.02942	71,039	2,090	69,994	914,525	12.87
71–72.	0.03215	68,949	2,217	67,841	844,531	12.25
72–73.	0.03525	66,733	2,352	65,557	776,690	11.64
73–74.	0.03876	64,380	2,495	63,133	711,133	11.05
74–75.	0.04267	61,885	2,641	60,565	648,000	10.47
75–76.	0.04700	59,245	2,784	57,853	587,435	9.92
76–77.	0.05165	56,460	2,916	55,002	529,583	9.38
77–78.	0.05674	53,544	3,038	52,025	474,581	8.86
78–79.	0.06230	50,506	3,147	48,932	422,556	8.37
79–80.	0.06837	47,359	3,238	45,740	373,623	7.89
80–81.	0.07498	44,121	3,308	42,467	327,883	7.43
81–82.	0.08217	40,813	3,353	39,137	285,416	6.99
82–83.	0.08998	37,460	3,371	35,774	246,279	6.57
83–84.	0.09846	34,089	3,356	32,411	210,505	6.18
84–85.	0.10764	30,733	3,308	29,079	178,094	5.79
85–86.	0.11756	27,425	3,224	25,813	149,015	5.43
86–87.	0.12827	24,201	3,104	22,649	123,202	5.09
87–88.	0.13980	21,097	2,949	19,622	100,553	4.77
88–89.	0.15218	18,147	2,762	16,767	80,931	4.46
89–90.	0.16545	15,386	2,546	14,113	64,165	4.17
90–91.	0.17963	12,840	2,307	11,687	50,052	3.90
91–92.	0.19475	10,534	2,051	9,508	38,365	3.64
92–93.	0.21081	8,482	1,788	7,588	28,857	3.40
93–94.	0.22782	6,694	1,525	5,932	21,269	3.18
94–95.	0.24577	5,169	1,270	4,534	15,337	2.97
95–96.	0.26465	3,899	1,032	3,383	10,803	2.77
96–97.	0.28444	2,867	815	2,459	7,420	2.59
97–98.	0.30509	2,051	626	1,739	4,961	2.42
98–99.	0.32656	1,426	466	1,193	3,223	2.26
99–100	0.34878	960	335	793	2,030	2.11
100–101	0.37168	625	232	509	1,237	1.98
101–102	0.39517	393	155	315	728	1.85
102–103	0.41915	238	100	188	413	1.74
103–104	0.44352	138	61	107	225	1.63
104–105	0.46817	77	36	59	118	1.53
105–106	0.49297	41	20	31	59	1.44
106–107	0.51781	21	11	15	28	1.36
107–108	0.54256	10	5	7	13	1.28
108–109	0.56710	5	3	3	6	1.21
109–110	0.59132	2	1	1	2	1.15

Table 6. Life table for white females: United States, 1999–2001

Age	Probability of dying between ages x to $x + n$	Number surviving to age x	Number dying between ages x to $x + n$	Person-years lived between ages x to $x + n$	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	0.00202	100,000	202	274	7,998,612	79.99
1–7	0.00071	99,798	71	1,640	7,998,338	80.15
7–28	0.00074	99,727	74	5,736	7,996,698	80.19
28–365	0.00165	99,653	165	91,932	7,990,962	80.19
Years						
0–1	0.00512	100,000	512	99,582	7,998,612	79.99
1–2	0.00041	99,488	41	99,468	7,899,030	79.40
2–3	0.00025	99,448	25	99,435	7,799,562	78.43
3–4	0.00020	99,422	20	99,412	7,700,127	77.45
4–5	0.00017	99,402	17	99,394	7,600,715	76.46
5–6	0.00015	99,385	15	99,378	7,501,321	75.48
6–7	0.00014	99,370	14	99,363	7,401,943	74.49
7–8	0.00013	99,356	13	99,349	7,302,580	73.50
8–9	0.00013	99,343	12	99,336	7,203,231	72.51
9–10	0.00011	99,330	11	99,325	7,103,894	71.52
10–11	0.00011	99,319	10	99,314	7,004,570	70.53
11–12	0.00011	99,309	11	99,303	6,905,256	69.53
12–13	0.00013	99,298	13	99,292	6,805,953	68.54
13–14	0.00017	99,285	17	99,277	6,706,661	67.55
14–15	0.00024	99,268	23	99,256	6,607,384	66.56
15–16	0.00031	99,245	31	99,229	6,508,128	65.58
16–17	0.00037	99,214	37	99,196	6,408,899	64.60
17–18	0.00042	99,177	42	99,156	6,309,703	63.62
18–19	0.00044	99,135	43	99,114	6,210,547	62.65
19–20	0.00044	99,092	43	99,070	6,111,433	61.67
20–21	0.00043	99,049	43	99,027	6,012,363	60.70
21–22	0.00043	99,006	43	98,985	5,913,336	59.73
22–23	0.00043	98,964	42	98,942	5,814,351	58.75
23–24	0.00043	98,921	43	98,900	5,715,408	57.78
24–25	0.00044	98,878	43	98,857	5,616,509	56.80
25–26	0.00044	98,835	44	98,813	5,517,652	55.83
26–27	0.00045	98,792	45	98,769	5,418,839	54.85
27–28	0.00047	98,747	46	98,724	5,320,069	53.88
28–29	0.00049	98,701	48	98,677	5,221,346	52.90
29–30	0.00052	98,653	51	98,627	5,122,669	51.93
30–31	0.00055	98,602	54	98,575	5,024,042	50.95
31–32	0.00059	98,548	58	98,519	4,925,467	49.98
32–33	0.00064	98,490	63	98,458	4,826,948	49.01
33–34	0.00070	98,427	69	98,392	4,728,490	48.04
34–35	0.00077	98,358	76	98,320	4,630,098	47.07
35–36	0.00084	98,282	83	98,241	4,531,778	46.11
36–37	0.00092	98,200	90	98,155	4,433,537	45.15
37–38	0.00099	98,110	98	98,061	4,335,382	44.19
38–39	0.00108	98,012	106	97,959	4,237,321	43.23
39–40	0.00118	97,906	116	97,848	4,139,362	42.28
40–41	0.00129	97,790	126	97,727	4,041,514	41.33
41–42	0.00140	97,664	137	97,596	3,943,786	40.38
42–43	0.00152	97,527	148	97,453	3,846,191	39.44
43–44	0.00164	97,379	159	97,299	3,748,738	38.50
44–45	0.00176	97,220	171	97,134	3,651,439	37.56
45–46	0.00189	97,049	184	96,957	3,554,305	36.62
46–47	0.00205	96,865	198	96,766	3,457,348	35.69
47–48	0.00222	96,667	215	96,559	3,360,582	34.76
48–49	0.00243	96,452	234	96,335	3,264,023	33.84
49–50	0.00266	96,218	255	96,090	3,167,688	32.92
50–51	0.00290	95,962	278	95,823	3,071,597	32.01
51–52	0.00317	95,684	303	95,532	2,975,774	31.10
52–53	0.00346	95,381	330	95,215	2,880,242	30.20
53–54	0.00380	95,050	361	94,870	2,785,026	29.30
54–55	0.00418	94,689	396	94,491	2,690,157	28.41
55–56	0.00464	94,293	438	94,074	2,595,665	27.53
56–57	0.00516	93,856	484	93,613	2,501,591	26.65
57–58	0.00572	93,371	534	93,104	2,407,978	25.79

Table 6. Life table for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table06.xls.

Age	Probability of dying between ages x to $x + n$	Number surviving to age x	Number dying between ages x to $x + n$	Person-years lived between ages x to $x + n$	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
58–59.	0.00630	92,837	585	92,544	2,314,874	24.93
59–60.	0.00691	92,252	637	91,933	2,222,329	24.09
60–61.	0.00759	91,615	695	91,267	2,130,396	23.25
61–62.	0.00838	90,919	762	90,538	2,039,129	22.43
62–63.	0.00922	90,157	832	89,742	1,948,590	21.61
63–64.	0.01010	89,326	902	88,875	1,858,849	20.81
64–65.	0.01102	88,424	975	87,936	1,769,974	20.02
65–66.	0.01200	87,449	1,050	86,924	1,682,038	19.23
66–67.	0.01295	86,399	1,119	85,840	1,595,113	18.46
67–68.	0.01406	85,280	1,199	84,681	1,509,274	17.70
68–69.	0.01535	84,081	1,290	83,436	1,424,593	16.94
69–70.	0.01680	82,791	1,391	82,095	1,341,157	16.20
70–71.	0.01838	81,400	1,496	80,652	1,259,061	15.47
71–72.	0.02018	79,904	1,613	79,098	1,178,409	14.75
72–73.	0.02230	78,291	1,746	77,418	1,099,312	14.04
73–74.	0.02475	76,546	1,895	75,598	1,021,893	13.35
74–75.	0.02755	74,651	2,056	73,623	946,295	12.68
75–76.	0.03068	72,595	2,227	71,481	872,672	12.02
76–77.	0.03409	70,367	2,399	69,168	801,191	11.39
77–78.	0.03787	67,968	2,574	66,681	732,024	10.77
78–79.	0.04205	65,394	2,750	64,019	665,342	10.17
79–80.	0.04667	62,644	2,924	61,182	601,323	9.60
80–81.	0.05177	59,721	3,092	58,175	540,141	9.04
81–82.	0.05739	56,629	3,250	55,004	481,966	8.51
82–83.	0.06358	53,379	3,394	51,682	426,962	8.00
83–84.	0.07039	49,985	3,518	48,226	375,280	7.51
84–85.	0.07787	46,467	3,618	44,657	327,055	7.04
85–86.	0.08607	42,848	3,688	41,004	282,397	6.59
86–87.	0.09504	39,161	3,722	37,300	241,393	6.16
87–88.	0.10484	35,439	3,715	33,581	204,093	5.76
88–89.	0.11552	31,723	3,665	29,891	170,512	5.37
89–90.	0.12714	28,059	3,567	26,275	140,621	5.01
90–91.	0.13974	24,491	3,422	22,780	114,346	4.67
91–92.	0.15337	21,069	3,231	19,453	91,565	4.35
92–93.	0.16806	17,838	2,998	16,339	72,112	4.04
93–94.	0.18386	14,840	2,729	13,476	55,773	3.76
94–95.	0.20079	12,111	2,432	10,895	42,297	3.49
95–96.	0.21886	9,680	2,118	8,620	31,402	3.24
96–97.	0.23807	7,561	1,800	6,661	22,782	3.01
97–98.	0.25841	5,761	1,489	5,017	16,120	2.80
98–99.	0.27985	4,272	1,196	3,675	11,104	2.60
99–100	0.30234	3,077	930	2,612	7,429	2.41
100–101	0.32582	2,147	699	1,797	4,818	2.24
101–102	0.35021	1,447	507	1,194	3,021	2.09
102–103	0.37541	940	353	764	1,827	1.94
103–104	0.40130	587	236	469	1,063	1.81
104–105	0.42775	352	150	276	594	1.69
105–106	0.45463	201	91	155	317	1.58
106–107	0.48177	110	53	83	162	1.48
107–108	0.50902	57	29	42	79	1.38
108–109	0.53621	28	15	20	36	1.30
109–110	0.56320	13	7	9	16	1.22

Table 7. Life table for the black population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table07.xls.

Age	Probability of dying between ages x to x + n	Number surviving to age x	Number dying between ages x to x + n	Person-years lived between ages x to 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	0.00607	100,000	607	273	7,180,501	71.81
1–7	0.00163	99,393	162	1,633	7,180,228	72.24
7–28.	0.00179	99,232	178	5,704	7,178,595	72.34
28–365	0.00481	99,054	476	91,236	7,172,891	72.41
Years						
0–1	0.01422	100,000	1,422	98,846	7,180,501	71.81
1–2	0.00084	98,578	83	98,536	7,081,655	71.84
2–3	0.00047	98,495	46	98,472	6,983,118	70.90
3–4	0.00037	98,449	37	98,430	6,884,647	69.93
4–5	0.00031	98,412	30	98,397	6,786,216	68.96
5–6	0.00027	98,382	26	98,369	6,687,819	67.98
6–7	0.00024	98,355	24	98,343	6,589,451	67.00
7–8	0.00022	98,332	22	98,321	6,491,107	66.01
8–9	0.00020	98,310	20	98,300	6,392,787	65.03
9–10.	0.00018	98,290	18	98,280	6,294,487	64.04
10–11.	0.00017	98,271	17	98,263	6,196,207	63.05
11–12.	0.00018	98,255	18	98,246	6,097,944	62.06
12–13.	0.00023	98,237	22	98,226	5,999,698	61.07
13–14.	0.00032	98,215	31	98,199	5,901,472	60.09
14–15.	0.00045	98,183	44	98,161	5,803,273	59.11
15–16.	0.00060	98,139	59	98,109	5,705,112	58.13
16–17.	0.00075	98,080	73	98,043	5,607,003	57.17
17–18.	0.00090	98,007	88	97,963	5,508,960	56.21
18–19.	0.00104	97,919	102	97,868	5,410,997	55.26
19–20.	0.00118	97,817	116	97,759	5,313,128	54.32
20–21.	0.00134	97,701	131	97,636	5,215,369	53.38
21–22.	0.00150	97,570	146	97,497	5,117,733	52.45
22–23.	0.00161	97,424	157	97,346	5,020,236	51.53
23–24.	0.00166	97,267	161	97,187	4,922,890	50.61
24–25.	0.00165	97,106	160	97,026	4,825,703	49.70
25–26.	0.00163	96,946	158	96,867	4,728,677	48.78
26–27.	0.00162	96,788	157	96,710	4,631,810	47.86
27–28.	0.00163	96,631	158	96,552	4,535,101	46.93
28–29.	0.00168	96,473	162	96,392	4,438,549	46.01
29–30.	0.00175	96,311	168	96,227	4,342,156	45.08
30–31.	0.00183	96,143	176	96,055	4,245,929	44.16
31–32.	0.00192	95,967	184	95,875	4,149,874	43.24
32–33.	0.00202	95,783	194	95,687	4,053,999	42.32
33–34.	0.00215	95,590	206	95,487	3,958,312	41.41
34–35.	0.00230	95,384	219	95,274	3,862,825	40.50
35–36.	0.00245	95,164	233	95,048	3,767,551	39.59
36–37.	0.00262	94,931	249	94,807	3,672,503	38.69
37–38.	0.00282	94,682	267	94,549	3,577,697	37.79
38–39.	0.00307	94,415	290	94,270	3,483,148	36.89
39–40.	0.00336	94,126	316	93,967	3,388,878	36.00
40–41.	0.00367	93,809	345	93,637	3,294,910	35.12
41–42.	0.00400	93,465	374	93,278	3,201,273	34.25
42–43.	0.00435	93,091	405	92,889	3,107,995	33.39
43–44.	0.00474	92,686	439	92,466	3,015,106	32.53
44–45.	0.00517	92,246	476	92,008	2,922,640	31.68
45–46.	0.00564	91,770	517	91,511	2,830,632	30.84
46–47.	0.00614	91,253	561	90,973	2,739,121	30.02
47–48.	0.00666	90,692	604	90,390	2,648,148	29.20
48–49.	0.00715	90,089	644	89,767	2,557,758	28.39
49–50.	0.00764	89,444	684	89,103	2,467,991	27.59
50–51.	0.00816	88,761	725	88,398	2,378,889	26.80
51–52.	0.00874	88,036	769	87,651	2,290,490	26.02
52–53.	0.00936	87,267	817	86,859	2,202,839	25.24
53–54.	0.01004	86,450	868	86,016	2,115,980	24.48
54–55.	0.01081	85,582	925	85,120	2,029,964	23.72
55–56.	0.01169	84,657	990	84,162	1,944,844	22.97
56–57.	0.01268	83,667	1,061	83,137	1,860,682	22.24
57–58.	0.01373	82,606	1,134	82,039	1,777,545	21.52

Table 7. Life table for the black population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table07.xls.

Age	Probability of dying between ages x to $x + n$	Number surviving to age x	Number dying between ages x to $x + n$	Person-years lived between ages x to $x + n$	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
58–59.	0.01475	81,472	1,202	80,871	1,695,506	20.81
59–60.	0.01574	80,270	1,263	79,638	1,614,635	20.12
60–61.	0.01672	79,007	1,321	78,346	1,534,996	19.43
61–62.	0.01780	77,686	1,382	76,994	1,456,650	18.75
62–63.	0.01901	76,303	1,450	75,578	1,379,656	18.08
63–64.	0.02044	74,853	1,530	74,088	1,304,078	17.42
64–65.	0.02208	73,323	1,619	72,514	1,229,990	16.77
65–66.	0.02383	71,704	1,709	70,850	1,157,477	16.14
66–67.	0.02556	69,995	1,789	69,101	1,086,627	15.52
67–68.	0.02743	68,206	1,871	67,271	1,017,526	14.92
68–69.	0.02944	66,336	1,953	65,359	950,255	14.32
69–70.	0.03159	64,383	2,034	63,366	884,896	13.74
70–71.	0.03388	62,349	2,112	61,293	821,530	13.18
71–72.	0.03637	60,236	2,191	59,141	760,237	12.62
72–73.	0.03914	58,046	2,272	56,910	701,096	12.08
73–74.	0.04222	55,774	2,355	54,597	644,186	11.55
74–75.	0.04554	53,419	2,433	52,203	589,590	11.04
75–76.	0.04909	50,987	2,503	49,735	537,387	10.54
76–77.	0.05289	48,484	2,564	47,201	487,652	10.06
77–78.	0.05697	45,919	2,616	44,611	440,450	9.59
78–79.	0.06134	43,304	2,656	41,976	395,839	9.14
79–80.	0.06602	40,647	2,683	39,306	353,863	8.71
80–81.	0.07103	37,964	2,697	36,616	314,557	8.29
81–82.	0.07639	35,268	2,694	33,921	277,941	7.88
82–83.	0.08212	32,574	2,675	31,236	244,021	7.49
83–84.	0.08824	29,899	2,638	28,580	212,785	7.12
84–85.	0.09476	27,261	2,583	25,969	184,205	6.76
85–86.	0.10172	24,677	2,510	23,422	158,236	6.41
86–87.	0.10913	22,167	2,419	20,958	134,814	6.08
87–88.	0.11700	19,748	2,311	18,593	113,857	5.77
88–89.	0.12536	17,438	2,186	16,345	95,264	5.46
89–90.	0.13423	15,252	2,047	14,228	78,919	5.17
90–91.	0.14362	13,204	1,896	12,256	64,691	4.90
91–92.	0.15356	11,308	1,736	10,440	52,435	4.64
92–93.	0.16405	9,571	1,570	8,786	41,995	4.39
93–94.	0.17511	8,001	1,401	7,301	33,209	4.15
94–95.	0.18674	6,600	1,233	5,984	25,908	3.93
95–96.	0.19897	5,368	1,068	4,834	19,924	3.71
96–97.	0.21178	4,300	911	3,844	15,091	3.51
97–98.	0.22519	3,389	763	3,008	11,246	3.32
98–99.	0.23919	2,626	628	2,312	8,239	3.14
99–100	0.25378	1,998	507	1,744	5,927	2.97
100–101	0.26894	1,491	401	1,290	4,182	2.81
101–102	0.28466	1,090	310	935	2,892	2.65
102–103	0.30092	780	235	662	1,957	2.51
103–104	0.31770	545	173	458	1,295	2.38
104–105	0.33496	372	125	310	837	2.25
105–106	0.35268	247	87	204	527	2.13
106–107	0.37082	160	59	130	323	2.02
107–108	0.38932	101	39	81	193	1.92
108–109	0.40815	62	25	49	112	1.82
109–110	0.42725	36	16	29	63	1.73

Table 8. Life table for black males: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table08.xls.

Age x to $x + n$	Probability of dying between ages x to $x + n$ $_nq_x$	Number surviving to age x l_x	Number dying between ages x to $x + n$ $_nd_x$	Person-years lived between ages x to $x + n$ $_nL_x$	Total number of person-years lived above age x T_x	Expectation of life at age x e_x
Days						
0–1	0.00668	100,000	668	273	6,817,046	68.17
1–7	0.00186	99,332	185	1,631	6,816,773	68.63
7–28.	0.00191	99,147	189	5,699	6,815,142	68.74
28–365	0.00526	98,958	521	91,126	6,809,443	68.81
Years						
0–1	0.01563	100,000	1,563	98,729	6,817,046	68.17
1–2	0.00095	98,437	93	98,390	6,718,317	68.25
2–3	0.00052	98,344	52	98,318	6,619,927	67.31
3–4	0.00041	98,292	40	98,272	6,521,609	66.35
4–5	0.00034	98,253	33	98,236	6,423,336	65.38
5–6	0.00030	98,219	30	98,205	6,325,100	64.40
6–7	0.00028	98,190	28	98,176	6,226,896	63.42
7–8	0.00026	98,162	26	98,149	6,128,720	62.43
8–9	0.00024	98,136	23	98,125	6,030,571	61.45
9–10.	0.00020	98,113	20	98,103	5,932,446	60.47
10–11.	0.00018	98,093	18	98,084	5,834,343	59.48
11–12.	0.00019	98,076	18	98,066	5,736,259	58.49
12–13.	0.00026	98,057	25	98,045	5,638,192	57.50
13–14.	0.00041	98,032	40	98,012	5,540,148	56.51
14–15.	0.00063	97,992	61	97,961	5,442,136	55.54
15–16.	0.00087	97,930	85	97,888	5,344,175	54.57
16–17.	0.00110	97,845	108	97,792	5,246,287	53.62
17–18.	0.00134	97,738	131	97,672	5,148,495	52.68
18–19.	0.00158	97,606	154	97,529	5,050,823	51.75
19–20.	0.00182	97,452	177	97,363	4,953,294	50.83
20–21.	0.00208	97,275	203	97,173	4,855,931	49.92
21–22.	0.00235	97,072	228	96,958	4,758,758	49.02
22–23.	0.00253	96,844	245	96,721	4,661,800	48.14
23–24.	0.00259	96,599	250	96,473	4,565,079	47.26
24–25.	0.00255	96,348	246	96,225	4,468,606	46.38
25–26.	0.00247	96,103	238	95,984	4,372,380	45.50
26–27.	0.00242	95,865	232	95,749	4,276,396	44.61
27–28.	0.00239	95,633	228	95,519	4,180,647	43.72
28–29.	0.00241	95,405	230	95,290	4,085,128	42.82
29–30.	0.00247	95,175	235	95,058	3,989,838	41.92
30–31.	0.00255	94,940	242	94,819	3,894,781	41.02
31–32.	0.00262	94,698	249	94,574	3,799,961	40.13
32–33.	0.00273	94,450	258	94,321	3,705,387	39.23
33–34.	0.00286	94,192	269	94,058	3,611,066	38.34
34–35.	0.00301	93,923	283	93,782	3,517,009	37.45
35–36.	0.00317	93,641	297	93,492	3,423,227	36.56
36–37.	0.00336	93,343	314	93,186	3,329,735	35.67
37–38.	0.00359	93,030	334	92,863	3,236,548	34.79
38–39.	0.00388	92,695	360	92,515	3,143,686	33.91
39–40.	0.00423	92,335	391	92,140	3,051,170	33.04
40–41.	0.00460	91,945	423	91,733	2,959,030	32.18
41–42.	0.00499	91,522	457	91,293	2,867,297	31.33
42–43.	0.00544	91,065	496	90,817	2,776,003	30.48
43–44.	0.00596	90,569	540	90,299	2,685,186	29.65
44–45.	0.00656	90,029	590	89,734	2,594,887	28.82
45–46.	0.00722	89,439	646	89,116	2,505,153	28.01
46–47.	0.00793	88,793	704	88,441	2,416,037	27.21
47–48.	0.00864	88,089	761	87,708	2,327,596	26.42
48–49.	0.00931	87,327	813	86,921	2,239,888	25.65
49–50.	0.00995	86,514	861	86,083	2,152,967	24.89
50–51.	0.01062	85,653	910	85,198	2,066,884	24.13
51–52.	0.01137	84,743	963	84,262	1,981,686	23.38
52–53.	0.01217	83,780	1,019	83,270	1,897,424	22.65
53–54.	0.01307	82,760	1,081	82,220	1,814,154	21.92
54–55.	0.01408	81,679	1,150	81,104	1,731,934	21.20
55–56.	0.01525	80,529	1,228	79,915	1,650,830	20.50
56–57.	0.01656	79,301	1,313	78,645	1,570,915	19.81
57–58.	0.01792	77,988	1,397	77,290	1,492,270	19.13

Table 8. Life table for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table08.xls.

Age	Probability of dying between ages x to $x + n$	Number surviving to age x	Number dying between ages x to $x + n$	Person-years lived between ages x to $x + n$	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
58–59.	0.01920	76,591	1,471	75,856	1,414,980	18.47
59–60.	0.02039	75,120	1,532	74,354	1,339,125	17.83
60–61.	0.02156	73,588	1,586	72,795	1,264,770	17.19
61–62.	0.02283	72,002	1,644	71,180	1,191,975	16.55
62–63.	0.02429	70,358	1,709	69,503	1,120,795	15.93
63–64.	0.02606	68,649	1,789	67,754	1,051,292	15.31
64–65.	0.02812	66,860	1,880	65,920	983,538	14.71
65–66.	0.03033	64,980	1,971	63,995	917,618	14.12
66–67.	0.03267	63,010	2,059	61,980	853,623	13.55
67–68.	0.03522	60,951	2,147	59,878	791,643	12.99
68–69.	0.03799	58,804	2,234	57,687	731,765	12.44
69–70.	0.04097	56,570	2,317	55,411	674,078	11.92
70–71.	0.04409	54,253	2,392	53,057	618,666	11.40
71–72.	0.04742	51,861	2,459	50,631	565,610	10.91
72–73.	0.05101	49,401	2,520	48,141	514,979	10.42
73–74.	0.05489	46,881	2,573	45,595	466,838	9.96
74–75.	0.05903	44,308	2,615	43,000	421,243	9.51
75–76.	0.06341	41,693	2,644	40,371	378,243	9.07
76–77.	0.06801	39,049	2,656	37,721	337,872	8.65
77–78.	0.07293	36,393	2,654	35,066	300,151	8.25
78–79.	0.07816	33,739	2,637	32,421	265,085	7.86
79–80.	0.08374	31,102	2,605	29,800	232,665	7.48
80–81.	0.08968	28,497	2,556	27,219	202,865	7.12
81–82.	0.09600	25,942	2,490	24,696	175,645	6.77
82–83.	0.10271	23,451	2,409	22,247	150,949	6.44
83–84.	0.10984	21,042	2,311	19,887	128,702	6.12
84–85.	0.11739	18,731	2,199	17,632	108,816	5.81
85–86.	0.12539	16,532	2,073	15,496	91,184	5.52
86–87.	0.13385	14,459	1,935	13,492	75,688	5.23
87–88.	0.14279	12,524	1,788	11,630	62,196	4.97
88–89.	0.15223	10,736	1,634	9,918	50,567	4.71
89–90.	0.16216	9,101	1,476	8,363	40,648	4.47
90–91.	0.17262	7,625	1,316	6,967	32,285	4.23
91–92.	0.18360	6,309	1,158	5,730	25,317	4.01
92–93.	0.19511	5,151	1,005	4,648	19,587	3.80
93–94.	0.20717	4,146	859	3,716	14,939	3.60
94–95.	0.21976	3,287	722	2,926	11,223	3.41
95–96.	0.23290	2,565	597	2,266	8,297	3.24
96–97.	0.24657	1,967	485	1,725	6,031	3.07
97–98.	0.26077	1,482	387	1,289	4,306	2.91
98–99.	0.27549	1,096	302	945	3,017	2.75
99–100	0.29072	794	231	678	2,072	2.61
100–101	0.30643	563	173	477	1,394	2.48
101–102	0.32260	391	126	328	917	2.35
102–103	0.33921	265	90	220	589	2.23
103–104	0.35623	175	62	144	370	2.12
104–105	0.37361	113	42	92	226	2.01
105–106	0.39133	70	28	57	135	1.91
106–107	0.40934	43	18	34	78	1.82
107–108	0.42760	25	11	20	44	1.73
108–109	0.44605	15	6	11	24	1.65
109–110	0.46466	8	4	6	13	1.57

Table 9. Life table for black females: United States, 1999–2001

Age	Probability of dying between ages x to $x + n$	Number surviving to age x	Number dying between ages x to $x + n$	Person-years lived between ages x to $x + n$	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	0.00543	100,000	543	273	7,515,747	75.16
1–7	0.00138	99,457	138	1,634	7,515,474	75.57
7–28	0.00167	99,319	166	5,709	7,513,840	75.65
28–365	0.00434	99,154	430	91,349	7,508,131	75.72
Years						
0–1	0.01277	100,000	1,277	98,965	7,515,747	75.16
1–2	0.00074	98,723	73	98,687	7,416,782	75.13
2–3	0.00041	98,651	41	98,630	7,318,095	74.18
3–4	0.00034	98,610	33	98,593	7,219,464	73.21
4–5	0.00028	98,577	27	98,563	7,120,871	72.24
5–6	0.00023	98,550	23	98,538	7,022,308	71.26
6–7	0.00020	98,526	20	98,516	6,923,770	70.27
7–8	0.00018	98,506	18	98,497	6,825,253	69.29
8–9	0.00017	98,488	17	98,480	6,726,756	68.30
9–10	0.00016	98,472	16	98,464	6,628,276	67.31
10–11	0.00016	98,456	16	98,447	6,529,812	66.32
11–12	0.00017	98,439	17	98,431	6,431,365	65.33
12–13	0.00020	98,422	19	98,413	6,332,934	64.34
13–14	0.00023	98,403	22	98,392	6,234,522	63.36
14–15	0.00027	98,381	27	98,367	6,136,130	62.37
15–16	0.00032	98,354	32	98,338	6,037,762	61.39
16–17	0.00038	98,322	37	98,304	5,939,424	60.41
17–18	0.00043	98,285	43	98,264	5,841,120	59.43
18–19	0.00049	98,243	48	98,219	5,742,856	58.46
19–20	0.00055	98,195	54	98,168	5,644,637	57.48
20–21	0.00061	98,141	60	98,111	5,546,470	56.52
21–22	0.00068	98,081	67	98,047	5,448,359	55.55
22–23	0.00074	98,014	72	97,978	5,350,312	54.59
23–24	0.00078	97,941	77	97,903	5,252,334	53.63
24–25	0.00082	97,865	80	97,825	5,154,431	52.67
25–26	0.00085	97,785	84	97,743	5,056,606	51.71
26–27	0.00090	97,701	88	97,657	4,958,864	50.76
27–28	0.00095	97,613	93	97,567	4,861,206	49.80
28–29	0.00102	97,520	99	97,470	4,763,640	48.85
29–30	0.00110	97,421	107	97,367	4,666,169	47.90
30–31	0.00118	97,314	115	97,257	4,568,802	46.95
31–32	0.00128	97,199	124	97,137	4,471,545	46.00
32–33	0.00139	97,075	135	97,008	4,374,408	45.06
33–34	0.00152	96,940	147	96,866	4,277,401	44.12
34–35	0.00167	96,793	161	96,712	4,180,534	43.19
35–36	0.00181	96,632	175	96,544	4,083,822	42.26
36–37	0.00196	96,457	189	96,362	3,987,278	41.34
37–38	0.00214	96,268	206	96,165	3,890,916	40.42
38–39	0.00235	96,062	225	95,949	3,794,751	39.50
39–40	0.00259	95,836	248	95,712	3,698,802	38.59
40–41	0.00285	95,588	272	95,452	3,603,090	37.69
41–42	0.00312	95,316	297	95,167	3,507,638	36.80
42–43	0.00339	95,019	322	94,858	3,412,470	35.91
43–44	0.00366	94,697	347	94,524	3,317,612	35.03
44–45	0.00394	94,350	372	94,165	3,223,088	34.16
45–46	0.00425	93,979	399	93,779	3,128,924	33.29
46–47	0.00458	93,579	429	93,365	3,035,145	32.43
47–48	0.00493	93,150	459	92,921	2,941,780	31.58
48–49	0.00528	92,691	490	92,446	2,848,859	30.73
49–50	0.00565	92,201	521	91,941	2,756,413	29.90
50–51	0.00605	91,680	554	91,403	2,664,472	29.06
51–52	0.00648	91,126	591	90,831	2,573,069	28.24
52–53	0.00695	90,536	629	90,221	2,482,238	27.42
53–54	0.00747	89,906	671	89,571	2,392,017	26.61
54–55	0.00805	89,235	718	88,876	2,302,446	25.80
55–56	0.00872	88,517	771	88,131	2,213,570	25.01
56–57	0.00948	87,746	831	87,330	2,125,438	24.22
57–58	0.01030	86,914	895	86,467	2,038,108	23.45

Table 9. Life table for black females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table09.xls.

Age x to $x + n$	Probability of dying between ages x to $x + n$ $_nq_x$	Number surviving to age x l_x	Number dying between ages x to $x + n$ $_nd_x$	Person-years lived between ages x to $x + n$ $_nL_x$	Total number of person-years lived above age x T_x	Expectation of life at age x e_x
58–59.	0.01113	86,019	958	85,540	1,951,642	22.69
59–60.	0.01197	85,062	1,018	84,553	1,866,101	21.94
60–61.	0.01283	84,044	1,078	83,505	1,781,548	21.20
61–62.	0.01376	82,966	1,142	82,395	1,698,044	20.47
62–63.	0.01481	81,824	1,212	81,218	1,615,649	19.75
63–64.	0.01602	80,612	1,291	79,966	1,534,431	19.03
64–65.	0.01739	79,321	1,379	78,631	1,454,464	18.34
65–66.	0.01885	77,941	1,470	77,207	1,375,833	17.65
66–67.	0.02026	76,472	1,549	75,697	1,298,626	16.98
67–68.	0.02177	74,923	1,631	74,107	1,222,929	16.32
68–69.	0.02339	73,292	1,714	72,435	1,148,822	15.67
69–70.	0.02515	71,578	1,800	70,678	1,076,387	15.04
70–71.	0.02703	69,778	1,886	68,835	1,005,710	14.41
71–72.	0.02912	67,892	1,977	66,903	936,875	13.80
72–73.	0.03151	65,915	2,077	64,876	869,971	13.20
73–74.	0.03422	63,838	2,184	62,746	805,095	12.61
74–75.	0.03719	61,654	2,293	60,507	742,349	12.04
75–76.	0.04038	59,361	2,397	58,163	681,842	11.49
76–77.	0.04382	56,964	2,496	55,716	623,679	10.95
77–78.	0.04754	54,468	2,589	53,173	567,963	10.43
78–79.	0.05156	51,879	2,675	50,541	514,790	9.92
79–80.	0.05590	49,204	2,751	47,828	464,249	9.44
80–81.	0.06059	46,453	2,814	45,046	416,420	8.96
81–82.	0.06564	43,638	2,864	42,206	371,375	8.51
82–83.	0.07108	40,774	2,898	39,325	329,168	8.07
83–84.	0.07693	37,876	2,914	36,419	289,843	7.65
84–85.	0.08322	34,962	2,909	33,508	253,424	7.25
85–86.	0.08997	32,053	2,884	30,611	219,916	6.86
86–87.	0.09722	29,169	2,836	27,751	189,305	6.49
87–88.	0.10498	26,334	2,764	24,951	161,554	6.13
88–89.	0.11328	23,569	2,670	22,234	136,602	5.80
89–90.	0.12215	20,899	2,553	19,623	114,368	5.47
90–91.	0.13161	18,347	2,415	17,139	94,745	5.16
91–92.	0.14168	15,932	2,257	14,803	77,606	4.87
92–93.	0.15239	13,675	2,084	12,633	62,802	4.59
93–94.	0.16376	11,591	1,898	10,642	50,169	4.33
94–95.	0.17579	9,693	1,704	8,841	39,528	4.08
95–96.	0.18852	7,989	1,506	7,236	30,687	3.84
96–97.	0.20194	6,483	1,309	5,828	23,451	3.62
97–98.	0.21605	5,174	1,118	4,615	17,623	3.41
98–99.	0.23088	4,056	936	3,588	13,008	3.21
99–100	0.24639	3,120	769	2,735	9,420	3.02
100–101	0.26260	2,351	617	2,042	6,685	2.84
101–102	0.27947	1,734	484	1,491	4,643	2.68
102–103	0.29700	1,249	371	1,064	3,151	2.52
103–104	0.31514	878	277	740	2,088	2.38
104–105	0.33386	601	201	501	1,348	2.24
105–106	0.35312	401	141	330	847	2.11
106–107	0.37287	259	97	211	517	2.00
107–108	0.39306	163	64	131	306	1.88
108–109	0.41361	99	41	78	176	1.78
109–110	0.43447	58	25	45	97	1.69

Table 10. Standard errors of the probablity of dying: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table10.xls.

Age	Total Both sexes	Total Male	Total Female	White Both sexes	White Male	White Female	Black Both sexes	Black Male	Black Female
0–1	0.000024	0.000035	0.000033	0.000024	0.000036	0.000033	0.000087	0.000128	0.000118
1–2	0.000007	0.000010	0.000009	0.000007	0.000010	0.000009	0.000022	0.000032	0.000029
2–3	0.000005	0.000008	0.000007	0.000006	0.000009	0.000008	0.000016	0.000023	0.000021
3–4	0.000005	0.000007	0.000006	0.000005	0.000008	0.000007	0.000014	0.000020	0.000019
4–5	0.000004	0.000006	0.000006	0.000005	0.000007	0.000006	0.000012	0.000018	0.000017
5–6	0.000004	0.000006	0.000005	0.000004	0.000006	0.000006	0.000011	0.000017	0.000015
6–7	0.000004	0.000006	0.000005	0.000004	0.000006	0.000006	0.000011	0.000016	0.000014
7–8	0.000004	0.000005	0.000005	0.000004	0.000006	0.000005	0.000010	0.000016	0.000013
8–9	0.000003	0.000005	0.000005	0.000004	0.000006	0.000005	0.000010	0.000015	0.000013
9–10.	0.000003	0.000005	0.000004	0.000004	0.000005	0.000005	0.000009	0.000014	0.000013
10–11.	0.000003	0.000004	0.000004	0.000003	0.000005	0.000005	0.000009	0.000013	0.000013
11–12.	0.000003	0.000004	0.000004	0.000003	0.000005	0.000005	0.000009	0.000013	0.000013
12–13.	0.000004	0.000005	0.000005	0.000004	0.000006	0.000005	0.000011	0.000016	0.000014
13–14.	0.000004	0.000007	0.000006	0.000005	0.000008	0.000006	0.000013	0.000020	0.000015
14–15.	0.000005	0.000009	0.000006	0.000006	0.000009	0.000007	0.000015	0.000025	0.000017
15–16.	0.000006	0.000010	0.000007	0.000007	0.000011	0.000008	0.000018	0.000030	0.000018
16–17.	0.000007	0.000011	0.000008	0.000008	0.000012	0.000009	0.000020	0.000034	0.000020
17–18.	0.000008	0.000012	0.000008	0.000008	0.000014	0.000009	0.000022	0.000038	0.000022
18–19.	0.000008	0.000013	0.000009	0.000009	0.000014	0.000010	0.000024	0.000041	0.000023
19–20.	0.000008	0.000014	0.000009	0.000009	0.000015	0.000010	0.000026	0.000045	0.000025
20–21.	0.000009	0.000015	0.000009	0.000009	0.000016	0.000010	0.000028	0.000049	0.000026
21–22.	0.000009	0.000015	0.000009	0.000010	0.000016	0.000010	0.000030	0.000053	0.000028
22–23.	0.000009	0.000016	0.000009	0.000010	0.000017	0.000010	0.000031	0.000056	0.000029
23–24.	0.000009	0.000016	0.000009	0.000010	0.000017	0.000010	0.000032	0.000057	0.000030
24–25.	0.000009	0.000016	0.000009	0.000010	0.000016	0.000010	0.000032	0.000057	0.000031
25–26.	0.000009	0.000015	0.000009	0.000010	0.000016	0.000010	0.000032	0.000056	0.000032
26–27.	0.000009	0.000015	0.000009	0.000009	0.000016	0.000010	0.000032	0.000056	0.000033
27–28.	0.000009	0.000015	0.000010	0.000009	0.000016	0.000010	0.000032	0.000056	0.000033
28–29.	0.000009	0.000015	0.000010	0.000009	0.000016	0.000010	0.000032	0.000056	0.000035
29–30.	0.000009	0.000015	0.000010	0.000010	0.000016	0.000011	0.000033	0.000057	0.000036
30–31.	0.000009	0.000015	0.000010	0.000010	0.000016	0.000011	0.000034	0.000057	0.000037
31–32.	0.000009	0.000015	0.000011	0.000010	0.000016	0.000011	0.000034	0.000058	0.000039
32–33.	0.000010	0.000016	0.000011	0.000010	0.000016	0.000012	0.000035	0.000059	0.000040
33–34.	0.000010	0.000016	0.000011	0.000010	0.000017	0.000012	0.000036	0.000060	0.000042
34–35.	0.000010	0.000016	0.000012	0.000011	0.000017	0.000012	0.000037	0.000061	0.000043
35–36.	0.000010	0.000016	0.000012	0.000011	0.000017	0.000013	0.000037	0.000062	0.000044
36–37.	0.000010	0.000017	0.000012	0.000011	0.000018	0.000013	0.000038	0.000063	0.000046
37–38.	0.000011	0.000017	0.000013	0.000011	0.000018	0.000013	0.000040	0.000065	0.000047
38–39.	0.000011	0.000018	0.000013	0.000012	0.000019	0.000014	0.000041	0.000068	0.000050
39–40.	0.000012	0.000019	0.000014	0.000012	0.000020	0.000014	0.000043	0.000071	0.000052
40–41.	0.000012	0.000019	0.000015	0.000013	0.000020	0.000015	0.000046	0.000075	0.000055
41–42.	0.000013	0.000020	0.000015	0.000013	0.000021	0.000016	0.000048	0.000078	0.000058
42–43.	0.000013	0.000021	0.000016	0.000014	0.000022	0.000017	0.000050	0.000082	0.000061
43–44.	0.000014	0.000022	0.000017	0.000015	0.000023	0.000017	0.000053	0.000087	0.000064
44–45.	0.000015	0.000023	0.000017	0.000015	0.000025	0.000018	0.000057	0.000093	0.000068
45–46.	0.000015	0.000025	0.000018	0.000016	0.000026	0.000019	0.000060	0.000100	0.000072
46–47.	0.000016	0.000026	0.000019	0.000017	0.000027	0.000020	0.000064	0.000107	0.000076
47–48.	0.000017	0.000028	0.000020	0.000018	0.000029	0.000021	0.000068	0.000114	0.000080
48–49.	0.000018	0.000029	0.000021	0.000019	0.000030	0.000022	0.000072	0.000121	0.000085
49–50.	0.000019	0.000030	0.000022	0.000020	0.000031	0.000023	0.000076	0.000128	0.000090
50–51.	0.000020	0.000032	0.000024	0.000020	0.000033	0.000025	0.000080	0.000135	0.000095
51–52.	0.000021	0.000033	0.000025	0.000021	0.000034	0.000026	0.000085	0.000143	0.000100
52–53.	0.000022	0.000035	0.000026	0.000023	0.000036	0.000027	0.000090	0.000152	0.000106
53–54.	0.000023	0.000037	0.000028	0.000024	0.000038	0.000029	0.000097	0.000162	0.000113
54–55.	0.000025	0.000040	0.000030	0.000026	0.000041	0.000032	0.000104	0.000175	0.000122
55–56.	0.000027	0.000043	0.000033	0.000028	0.000045	0.000034	0.000112	0.000189	0.000131
56–57.	0.000029	0.000047	0.000035	0.000030	0.000048	0.000037	0.000121	0.000205	0.000142
57–58.	0.000031	0.000050	0.000038	0.000033	0.000052	0.000040	0.000130	0.000221	0.000152
58–59.	0.000034	0.000054	0.000041	0.000035	0.000056	0.000043	0.000138	0.000235	0.000162
59–60.	0.000036	0.000058	0.000044	0.000038	0.000060	0.000046	0.000145	0.000247	0.000171
60–61.	0.000038	0.000061	0.000047	0.000040	0.000064	0.000049	0.000152	0.000258	0.000179
61–62.	0.000041	0.000066	0.000050	0.000043	0.000069	0.000053	0.000159	0.000270	0.000189
62–63.	0.000043	0.000070	0.000053	0.000046	0.000073	0.000056	0.000168	0.000284	0.000199
63–64.	0.000046	0.000074	0.000056	0.000049	0.000078	0.000060	0.000177	0.000300	0.000210
64–65.	0.000049	0.000079	0.000059	0.000051	0.000083	0.000063	0.000187	0.000319	0.000222
65–66.	0.000051	0.000083	0.000062	0.000054	0.000087	0.000066	0.000197	0.000336	0.000233
66–67.	0.000053	0.000087	0.000065	0.000056	0.000091	0.000069	0.000206	0.000353	0.000244
67–68.	0.000056	0.000091	0.000068	0.000059	0.000096	0.000072	0.000216	0.000372	0.000255

Table 10. Standard errors of the probablity of dying: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table10.xls.

Age	Total			White			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
68–69.	0.000059	0.000096	0.000071	0.000062	0.000102	0.000076	0.000227	0.000393	0.000267
69–70.	0.000062	0.000102	0.000075	0.000066	0.000108	0.000080	0.000238	0.000416	0.000280
70–71.	0.000065	0.000108	0.000079	0.000069	0.000114	0.000084	0.000250	0.000440	0.000294
71–72.	0.000069	0.000114	0.000084	0.000073	0.000121	0.000089	0.000263	0.000466	0.000309
72–73.	0.000073	0.000122	0.000089	0.000078	0.000128	0.000095	0.000278	0.000494	0.000326
73–74.	0.000078	0.000129	0.000094	0.000083	0.000137	0.000101	0.000294	0.000525	0.000344
74–75.	0.000083	0.000138	0.000101	0.000088	0.000146	0.000107	0.000312	0.000559	0.000365
75–76.	0.000088	0.000148	0.000107	0.000094	0.000157	0.000115	0.000330	0.000595	0.000387
76–77.	0.000094	0.000158	0.000115	0.000100	0.000168	0.000123	0.000351	0.000636	0.000411
77–78.	0.000101	0.000170	0.000123	0.000107	0.000180	0.000131	0.000374	0.000680	0.000437
78–79.	0.000108	0.000182	0.000131	0.000115	0.000194	0.000141	0.000398	0.000729	0.000465
79–80.	0.000116	0.000197	0.000141	0.000124	0.000209	0.000151	0.000425	0.000784	0.000496
80–81.	0.000124	0.000212	0.000152	0.000133	0.000226	0.000162	0.000455	0.000844	0.000530
81–82.	0.000134	0.000230	0.000163	0.000143	0.000245	0.000175	0.000488	0.000912	0.000568
82–83.	0.000145	0.000250	0.000176	0.000155	0.000266	0.000189	0.000525	0.000989	0.000609
83–84.	0.000157	0.000273	0.000191	0.000168	0.000290	0.000205	0.000567	0.001075	0.000656
84–85.	0.000171	0.000299	0.000207	0.000183	0.000318	0.000223	0.000613	0.001173	0.000707
85–86.	0.000187	0.000328	0.000226	0.000200	0.000350	0.000243	0.000665	0.001285	0.000765
86–87.	0.000204	0.000363	0.000247	0.000219	0.000387	0.000266	0.000723	0.001413	0.000830
87–88.	0.000225	0.000402	0.000271	0.000241	0.000430	0.000292	0.000790	0.001560	0.000904
88–89.	0.000248	0.000449	0.000298	0.000267	0.000480	0.000322	0.000866	0.001730	0.000988
89–90.	0.000276	0.000504	0.000330	0.000296	0.000539	0.000356	0.000953	0.001927	0.001084
90–91.	0.000308	0.000569	0.000368	0.000331	0.000610	0.000397	0.001054	0.002159	0.001195
91–92.	0.000345	0.000647	0.000411	0.000372	0.000695	0.000445	0.001171	0.002431	0.001323
92–93.	0.000390	0.000741	0.000463	0.000421	0.000797	0.000502	0.001307	0.002754	0.001471
93–94.	0.000444	0.000856	0.000525	0.000480	0.000923	0.000570	0.001467	0.003140	0.001646
94–95.	0.000510	0.000998	0.000600	0.000552	0.001078	0.000652	0.001657	0.003603	0.001851
95–96.	0.000590	0.001174	0.000692	0.000640	0.001272	0.000753	0.001882	0.004163	0.002095
96–97.	0.000688	0.001396	0.000805	0.000748	0.001517	0.000878	0.002152	0.004847	0.002387
97–98.	0.000812	0.001679	0.000945	0.000884	0.001830	0.001034	0.002478	0.005689	0.002739
98–99.	0.000967	0.002043	0.001122	0.001057	0.002236	0.001231	0.002875	0.006733	0.003168
99–100	0.001166	0.002519	0.001349	0.001279	0.002769	0.001484	0.003362	0.008040	0.003694
100–101	0.001423	0.003149	0.001642	0.001567	0.003479	0.001813	0.003966	0.009691	0.004345
101–102	0.001761	0.003996	0.002026	0.001947	0.004440	0.002247	0.004721	0.011800	0.005160
102–103	0.002211	0.005153	0.002539	0.002457	0.005762	0.002830	0.005673	0.014520	0.006190
103–104	0.002820	0.006759	0.003235	0.003150	0.007612	0.003624	0.006887	0.018068	0.007506
104–105	0.003657	0.009028	0.004194	0.004109	0.010249	0.004728	0.008453	0.022748	0.009207
105–106	0.004827	0.012295	0.005541	0.005461	0.014081	0.006290	0.010493	0.028997	0.011432
106–107	0.006494	0.017089	0.007471	0.007403	0.019765	0.008547	0.013184	0.037446	0.014381
107–108	0.008915	0.024273	0.010294	0.010248	0.028378	0.011879	0.016779	0.049023	0.018343
108–109	0.012504	0.035272	0.014514	0.014507	0.041730	0.016912	0.021643	0.065104	0.023740
109–110	0.017940	0.052503	0.020973	0.021027	0.062926	0.024698	0.028315	0.087766	0.031204

Table 11. Standard errors of the average remaining lifetime: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table11.xls.

Age	Total			White			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
0–1	0.005	0.007	0.007	0.006	0.008	0.008	0.016	0.023	0.022
1–2	0.005	0.007	0.007	0.005	0.008	0.007	0.015	0.022	0.021
2–3	0.005	0.007	0.007	0.005	0.008	0.007	0.015	0.022	0.021
3–4	0.005	0.007	0.007	0.005	0.008	0.007	0.015	0.022	0.021
4–5	0.005	0.007	0.007	0.005	0.007	0.007	0.015	0.022	0.021
5–6	0.005	0.007	0.007	0.005	0.007	0.007	0.015	0.022	0.021
6–7	0.005	0.007	0.007	0.005	0.007	0.007	0.015	0.022	0.020
7–8	0.005	0.007	0.007	0.005	0.007	0.007	0.015	0.022	0.020
8–9	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.022	0.020
9–10.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.022	0.020
10–11.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.022	0.020
11–12.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.022	0.020
12–13.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
13–14.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
14–15.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
15–16.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
16–17.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
17–18.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
18–19.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
19–20.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
20–21.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
21–22.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
22–23.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
23–24.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
24–25.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
25–26.	0.005	0.007	0.006	0.005	0.007	0.007	0.015	0.021	0.020
26–27.	0.005	0.006	0.006	0.005	0.007	0.007	0.015	0.020	0.020
27–28.	0.005	0.006	0.006	0.005	0.007	0.007	0.015	0.020	0.020
28–29.	0.005	0.006	0.006	0.005	0.007	0.007	0.014	0.020	0.020
29–30.	0.005	0.006	0.006	0.005	0.007	0.007	0.014	0.020	0.020
30–31.	0.005	0.006	0.006	0.005	0.007	0.007	0.014	0.020	0.020
31–32.	0.004	0.006	0.006	0.005	0.007	0.007	0.014	0.020	0.020
32–33.	0.004	0.006	0.006	0.005	0.007	0.007	0.014	0.020	0.020
33–34.	0.004	0.006	0.006	0.005	0.007	0.007	0.014	0.020	0.020
34–35.	0.004	0.006	0.006	0.005	0.007	0.007	0.014	0.020	0.019
35–36.	0.004	0.006	0.006	0.005	0.007	0.007	0.014	0.020	0.019
36–37.	0.004	0.006	0.006	0.005	0.007	0.006	0.014	0.020	0.019
37–38.	0.004	0.006	0.006	0.005	0.007	0.006	0.014	0.020	0.019
38–39.	0.004	0.006	0.006	0.005	0.007	0.006	0.014	0.020	0.019
39–40.	0.004	0.006	0.006	0.005	0.007	0.006	0.014	0.019	0.019
40–41.	0.004	0.006	0.006	0.005	0.007	0.006	0.014	0.019	0.019
41–42.	0.004	0.006	0.006	0.005	0.006	0.006	0.014	0.019	0.019
42–43.	0.004	0.006	0.006	0.005	0.006	0.006	0.014	0.019	0.019
43–44.	0.004	0.006	0.006	0.005	0.006	0.006	0.014	0.019	0.019
44–45.	0.004	0.006	0.006	0.005	0.006	0.006	0.014	0.019	0.019
45–46.	0.004	0.006	0.006	0.005	0.006	0.006	0.014	0.019	0.019
46–47.	0.004	0.006	0.006	0.005	0.006	0.006	0.014	0.019	0.019
47–48.	0.004	0.006	0.006	0.005	0.006	0.006	0.014	0.019	0.019
48–49.	0.004	0.006	0.006	0.005	0.006	0.006	0.014	0.019	0.019
49–50.	0.004	0.006	0.006	0.004	0.006	0.006	0.014	0.019	0.019
50–51.	0.004	0.006	0.006	0.004	0.006	0.006	0.013	0.019	0.018
51–52.	0.004	0.006	0.006	0.004	0.006	0.006	0.013	0.019	0.018
52–53.	0.004	0.006	0.006	0.004	0.006	0.006	0.013	0.019	0.018
53–54.	0.004	0.006	0.006	0.004	0.006	0.006	0.013	0.019	0.018
54–55.	0.004	0.006	0.006	0.004	0.006	0.006	0.013	0.018	0.018
55–56.	0.004	0.006	0.006	0.004	0.006	0.006	0.013	0.018	0.018
56–57.	0.004	0.006	0.006	0.004	0.006	0.006	0.013	0.018	0.018
57–58.	0.004	0.006	0.005	0.004	0.006	0.006	0.013	0.018	0.018
58–59.	0.004	0.005	0.005	0.004	0.006	0.006	0.013	0.018	0.017
59–60.	0.004	0.005	0.005	0.004	0.006	0.006	0.013	0.018	0.017
60–61.	0.004	0.005	0.005	0.004	0.006	0.006	0.013	0.018	0.017
61–62.	0.004	0.005	0.005	0.004	0.006	0.006	0.012	0.017	0.017
62–63.	0.004	0.005	0.005	0.004	0.006	0.006	0.012	0.017	0.017
63–64.	0.004	0.005	0.005	0.004	0.005	0.005	0.012	0.017	0.016
64–65.	0.004	0.005	0.005	0.004	0.005	0.005	0.012	0.017	0.016
65–66.	0.004	0.005	0.005	0.004	0.005	0.005	0.012	0.017	0.016
66–67.	0.004	0.005	0.005	0.004	0.005	0.005	0.012	0.016	0.016
67–68.	0.003	0.005	0.005	0.004	0.005	0.005	0.012	0.016	0.016

Table 11. Standard errors of the average remaining lifetime: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table11.xls.

Age	Total Both sexes	Male	Female	White Both sexes	Male	Female	Black Both sexes	Male	Female
68–69.	0.003	0.005	0.005	0.004	0.005	0.005	0.011	0.016	0.015
69–70.	0.003	0.005	0.005	0.004	0.005	0.005	0.011	0.016	0.015
70–71.	0.003	0.005	0.005	0.004	0.005	0.005	0.011	0.016	0.015
71–72.	0.003	0.005	0.004	0.003	0.005	0.005	0.011	0.016	0.015
72–73.	0.003	0.004	0.004	0.003	0.005	0.005	0.011	0.016	0.015
73–74.	0.003	0.004	0.004	0.003	0.005	0.005	0.011	0.015	0.014
74–75.	0.003	0.004	0.004	0.003	0.005	0.005	0.011	0.015	0.014
75–76.	0.003	0.004	0.004	0.003	0.005	0.004	0.011	0.015	0.014
76–77.	0.003	0.004	0.004	0.003	0.004	0.004	0.010	0.015	0.014
77–78.	0.003	0.004	0.004	0.003	0.004	0.004	0.010	0.015	0.014
78–79.	0.003	0.004	0.004	0.003	0.004	0.004	0.010	0.015	0.014
79–80.	0.003	0.004	0.004	0.003	0.004	0.004	0.010	0.015	0.013
80–81.	0.003	0.004	0.004	0.003	0.004	0.004	0.010	0.015	0.013
81–82.	0.003	0.004	0.004	0.003	0.004	0.004	0.010	0.016	0.013
82–83.	0.003	0.004	0.004	0.003	0.004	0.004	0.010	0.016	0.013
83–84.	0.003	0.004	0.004	0.003	0.004	0.004	0.010	0.016	0.013
84–85.	0.003	0.004	0.004	0.003	0.004	0.004	0.010	0.016	0.013
85–86.	0.003	0.004	0.004	0.003	0.004	0.004	0.011	0.017	0.013
86–87.	0.003	0.004	0.004	0.003	0.004	0.004	0.011	0.017	0.013
87–88.	0.003	0.004	0.004	0.003	0.004	0.004	0.011	0.018	0.013
88–89.	0.003	0.004	0.004	0.003	0.005	0.004	0.011	0.018	0.014
89–90.	0.003	0.004	0.004	0.003	0.005	0.004	0.011	0.019	0.014
90–91.	0.003	0.005	0.004	0.003	0.005	0.004	0.012	0.020	0.014
91–92.	0.003	0.005	0.004	0.003	0.005	0.004	0.012	0.021	0.014
92–93.	0.003	0.005	0.004	0.003	0.005	0.004	0.012	0.022	0.015
93–94.	0.003	0.005	0.004	0.003	0.006	0.004	0.013	0.023	0.015
94–95.	0.003	0.006	0.004	0.004	0.006	0.005	0.014	0.025	0.016
95–96.	0.004	0.006	0.004	0.004	0.007	0.005	0.014	0.027	0.017
96–97.	0.004	0.007	0.005	0.004	0.007	0.005	0.015	0.029	0.018
97–98.	0.004	0.008	0.005	0.005	0.008	0.005	0.017	0.032	0.019
98–99.	0.005	0.009	0.006	0.005	0.009	0.006	0.018	0.036	0.020
99–100	0.005	0.010	0.006	0.006	0.011	0.007	0.020	0.040	0.022
100–101	0.006	0.011	0.007	0.006	0.012	0.007	0.022	0.045	0.024
101–102	0.007	0.014	0.008	0.007	0.015	0.008	0.024	0.052	0.026
102–103	0.008	0.016	0.009	0.008	0.018	0.010	0.027	0.060	0.029
103–104	0.009	0.020	0.011	0.010	0.022	0.012	0.031	0.070	0.033
104–105	0.011	0.025	0.013	0.012	0.028	0.014	0.035	0.084	0.038
105–106	0.014	0.032	0.016	0.015	0.036	0.017	0.041	0.101	0.044
106–107	0.017	0.042	0.020	0.019	0.049	0.022	0.049	0.124	0.052
107–108	0.023	0.058	0.025	0.026	0.071	0.029	0.058	0.156	0.062
108–109	0.030	0.085	0.034	0.035	0.113	0.039	0.072	0.200	0.076
109–110	0.042	0.137	0.047	0.051	0.113	0.057	0.089	0.267	0.094

Table 12. Life expectancy by age, race, and sex: Death registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 1999–2001

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[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 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, data excludes deaths of nonresidents of the United States]

Age, race, and sex	Average number of years of life remaining (e_x)										
	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	76.86	75.37	73.88	70.75	69.89	68.07	63.62	59.20	56.40	51.49	49.24
1	76.40	75.08	73.82	71.19	70.75	69.16	65.76	61.94	59.94	57.11	55.20
5	72.49	71.22	70.00	67.43	67.04	65.54	62.49	59.29	57.99	56.21	54.98
10	67.55	66.29	65.10	62.57	62.19	60.74	57.82	54.84	53.79	52.15	51.14
15	62.61	61.38	60.19	57.69	57.33	55.91	53.10	50.25	49.37	47.73	46.81
20	57.82	56.63	55.46	53.00	52.58	51.20	48.54	45.94	45.30	43.53	42.79
25	53.08	51.93	50.81	48.37	47.89	46.56	44.09	41.85	41.47	39.60	39.12
30	48.31	47.23	46.12	43.71	43.18	41.91	39.67	37.75	37.68	35.70	35.51
35	43.57	42.58	41.43	39.07	38.51	37.31	35.30	33.68	33.89	31.90	31.92
40	38.90	37.98	36.79	34.52	33.92	32.81	31.03	29.67	30.08	28.20	28.34
45	34.34	33.44	32.27	30.12	29.50	28.49	26.90	25.79	26.25	24.54	24.77
50	29.90	29.03	27.94	25.93	25.29	24.40	22.98	22.06	22.50	20.98	21.26
55	25.61	24.83	23.85	21.99	21.37	20.57	19.31	18.53	18.90	17.55	17.88
60	21.55	20.90	20.02	18.34	17.71	17.04	15.91	15.24	15.54	14.42	14.76
65	17.77	17.28	16.51	15.00	14.39	13.83	12.80	12.23	12.47	11.60	11.86
70	14.27	13.96	13.32	12.00	11.38	10.92	10.00	9.58	9.74	9.11	9.30
75	11.12	11.00	10.48	9.32	8.71	8.40	7.62	7.32	7.49	6.99	7.08
80	8.42	8.40	7.98	7.10	6.39	6.34	5.73	5.50	5.63	5.25	5.30
85	6.22	6.23	5.96	5.28	4.58	4.69	4.31	4.19	4.21	4.00	3.96
90	4.49	4.50	4.43	3.94	3.22	3.44	3.30	3.15	3.22	3.03	2.95
95	3.19	3.29	3.34	3.06	2.43	2.54	2.61	2.26	2.32	2.35	2.18
100	2.27	2.46	2.73	2.62	1.91	1.92	2.13	1.51	1.53	1.85	1.58
Male											
0	74.13	71.83	70.11	67.04	66.80	65.47	61.60	57.71	55.50	49.86	47.88
1	73.70	71.58	70.10	67.58	67.80	66.73	64.00	60.75	59.47	55.95	54.35
5	69.80	67.73	66.29	63.82	64.10	63.12	60.76	58.14	57.60	55.11	54.22
10	64.86	62.81	61.41	58.98	59.27	58.35	56.12	53.75	53.44	51.07	50.39
15	59.94	57.91	56.52	54.12	54.43	53.56	51.43	49.18	49.05	46.66	46.06
20	55.21	53.25	51.88	49.54	49.77	48.92	46.91	44.88	44.99	42.48	42.03
25	50.57	48.67	47.37	45.07	45.19	44.36	42.51	40.79	41.11	38.59	38.38
30	45.89	44.10	42.81	40.51	40.56	39.78	38.13	36.71	37.26	34.70	34.76
35	41.21	39.57	38.20	35.95	35.94	35.23	33.79	32.65	33.43	30.94	31.19
40	36.62	35.09	33.64	31.48	31.42	30.79	29.57	28.68	29.63	27.32	27.65
45	32.14	30.66	29.22	27.18	27.09	26.55	25.52	24.87	25.84	23.77	24.14
50	27.82	26.37	25.00	23.12	23.02	22.59	21.72	21.25	22.11	20.32	20.70
55	23.65	22.30	21.08	19.36	19.32	18.96	18.20	17.79	18.53	16.98	17.38
60	19.73	18.53	17.46	15.99	15.94	15.68	14.99	14.62	15.22	13.95	14.33
65	16.11	15.12	14.21	12.99	12.95	12.74	12.07	11.72	12.20	11.24	11.50
70	12.80	12.05	11.35	10.39	10.33	10.11	9.46	9.18	9.52	8.83	9.02
75	9.89	9.39	8.90	8.13	7.99	7.83	7.22	7.02	7.31	6.75	6.84
80	7.44	7.12	6.80	6.27	5.95	5.94	5.44	5.27	5.49	5.10	5.11
85	5.47	5.31	5.13	4.73	4.39	4.41	4.11	4.02	4.10	3.90	3.82
90	3.95	3.89	3.89	3.60	3.18	3.30	3.17	3.06	3.21	3.01	2.86
95	2.82	2.92	2.98	2.82	2.43	2.49	2.52	2.21	2.38	2.36	2.13
100	2.03	2.25	2.49	2.43	1.91	1.92	2.05	1.50	1.58	1.81	1.55
Female											
0	79.47	78.81	77.62	74.64	73.24	70.96	65.89	60.90	57.40	53.24	50.70
1	78.97	78.47	77.50	74.97	73.93	71.84	67.73	65.37	60.45	58.37	56.10
5	75.06	74.60	73.67	71.19	70.21	68.21	64.43	60.66	58.41	57.39	55.80
10	70.11	69.67	68.75	66.31	65.35	63.38	59.73	56.16	54.16	53.31	51.94
15	65.16	64.73	63.83	61.41	60.45	58.52	54.97	51.54	49.71	48.87	47.60
20	60.29	59.87	58.98	56.59	55.60	53.73	50.37	47.21	45.63	44.66	43.60
25	55.42	55.03	54.16	51.80	50.79	48.99	45.87	43.11	41.86	40.69	39.92
30	50.57	50.19	49.33	47.01	46.00	44.28	41.41	39.02	38.15	36.79	36.30
35	45.75	45.40	44.53	42.28	41.27	39.63	37.01	34.92	34.40	32.95	32.71
40	40.99	40.65	39.80	37.64	36.61	35.06	32.68	30.86	30.58	29.15	29.08
45	36.33	35.97	35.17	33.13	32.09	30.64	28.46	26.89	26.71	25.36	25.44
50	31.76	31.42	30.69	28.77	27.71	26.40	24.40	23.05	22.92	21.67	21.84

See footnote at end of table.

Table 12. Life expectancy by age, race, and sex: Death registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 1999–2001—Con.

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[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 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, data excludes deaths of nonresidents of the United States]

Age, race, and sex	Average number of years of life remaining (e_x)										
	1999–2001	1989–1991	1979–1981	1969–1971	1959–1961	1949–1951	1939–1941	1929–1931	1919–1921	1909–1911	1900–1902
Female—Con.											
55	27.32	27.05	26.39	24.59	23.53	22.33	20.54	19.38	19.28	18.13	18.39
60	23.10	22.90	22.29	20.60	19.52	18.50	16.92	15.94	15.87	14.90	15.21
65	19.12	19.02	18.44	16.83	15.80	14.95	13.57	12.78	12.73	11.96	12.22
70	15.40	15.38	14.84	13.35	12.37	11.71	10.56	9.99	9.96	9.38	9.59
75	11.99	12.08	11.58	10.26	9.33	8.94	8.01	7.61	7.65	7.20	7.34
80	9.05	9.13	8.69	7.68	6.72	6.67	5.99	5.70	5.75	5.37	5.51
85	6.62	6.66	6.38	5.63	4.71	4.90	4.47	4.32	4.30	4.08	4.12
90	4.71	4.73	4.66	4.14	3.25	3.54	3.39	3.24	3.23	3.05	3.04
95	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	2.52	2.81	2.69	1.91	1.93	2.17	1.52	1.48	1.91	1.61
White											
0	77.43	76.13	74.53	71.62	70.73	69.02	64.92	60.86	57.42	51.90	49.64
1	76.87	75.72	74.35	71.91	71.38	69.95	66.84	63.46	60.87	57.46	55.47
5	72.96	71.84	70.52	68.12	67.64	66.29	63.52	60.75	58.86	56.51	55.18
10	68.01	66.92	65.62	63.26	62.79	61.48	58.83	56.29	54.65	52.43	51.34
15	63.07	61.99	60.71	58.37	57.92	56.65	54.09	51.69	50.21	48.01	47.01
20	58.27	57.23	55.98	53.66	53.16	51.91	49.47	47.28	46.04	43.77	43.17
25	53.51	52.50	51.30	49.00	48.44	47.22	44.92	43.02	42.07	39.79	39.26
30	48.72	47.76	46.59	44.28	43.69	42.52	40.40	38.76	38.17	35.86	35.51
35	43.95	43.06	41.86	39.58	38.97	37.86	35.93	34.50	34.27	32.03	32.01
40	39.25	38.41	37.17	34.95	34.33	33.29	31.54	30.33	30.38	28.29	28.28
45	34.65	33.81	32.60	30.48	29.84	28.88	27.29	26.29	26.45	24.60	24.82
50	30.17	29.34	28.21	26.21	25.57	24.70	23.26	22.42	22.64	21.01	21.18
55	25.82	25.08	24.05	22.19	21.58	20.77	19.47	18.75	18.97	17.57	17.91
60	21.71	21.08	20.16	18.48	17.84	17.15	15.98	15.37	15.57	14.43	14.73
65	17.88	17.40	16.59	15.08	14.44	13.86	12.80	12.28	12.47	11.60	11.87
70	14.34	14.02	13.35	12.01	11.37	10.89	9.96	9.58	9.72	9.10	9.31
75	11.15	11.03	10.47	9.27	8.65	8.34	7.55	7.30	7.47	6.98	7.08
80	8.42	8.39	7.95	7.01	6.33	6.27	5.64	5.45	5.59	5.22	5.30
85	6.19	6.20	5.90	5.19	4.53	4.62	4.20	4.12	4.15	3.97	3.95
90	4.44	4.46	4.36	3.84	3.20	3.41	3.16	3.10	3.17	3.00	2.93
95	3.14	3.25	3.25	2.92	2.43	2.53	2.45	2.22	2.28	2.29	2.16
100	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	74.78	72.72	70.82	67.94	67.55	66.31	62.81	59.12	56.34	50.23	48.23
1	74.25	72.35	70.70	68.33	68.34	67.41	64.98	62.04	60.24	56.26	54.61
5	70.34	68.48	66.87	64.55	64.61	63.77	61.68	59.38	58.31	55.37	54.43
10	65.40	63.55	61.98	59.69	59.78	58.98	57.03	54.96	54.15	51.32	50.59
15	60.47	58.65	57.09	54.83	54.93	54.18	52.33	50.39	49.74	46.91	46.25
20	55.72	53.96	52.45	50.22	50.25	49.52	47.76	46.02	45.60	42.71	42.19
25	51.05	49.33	47.92	45.70	45.65	44.93	43.28	41.78	41.60	38.79	38.52
30	46.34	44.71	43.31	41.07	40.97	40.29	38.80	37.54	37.65	34.87	34.88
35	41.64	40.12	38.66	36.43	36.31	35.68	34.36	33.33	33.74	31.08	31.29
40	37.01	35.57	34.04	31.87	31.73	31.17	30.03	29.22	29.86	27.43	27.74
45	32.49	31.07	29.55	27.48	27.34	26.87	25.87	25.28	26.00	23.86	24.21
50	28.12	26.71	25.26	23.34	23.22	22.83	21.96	21.51	22.22	20.39	20.76
55	23.88	22.56	21.25	19.51	19.45	19.11	18.34	17.97	18.59	17.03	17.42
60	19.90	18.71	17.56	16.07	16.01	15.76	15.05	14.72	15.25	13.98	14.35
65	16.22	15.24	14.26	13.02	12.97	12.75	12.07	11.77	12.21	11.25	11.51
70	12.87	12.11	11.35	10.38	10.29	10.07	9.42	9.20	9.51	8.83	9.03
75	9.92	9.40	8.87	8.06	7.92	7.77	7.17	7.02	7.30	6.75	6.84
80	7.43	7.11	6.76	6.18	5.89	5.88	5.38	5.26	5.47	5.09	5.10
85	5.43	5.28	5.09	4.63	4.34	4.35	4.02	3.99	4.06	3.88	3.81
90	3.90	3.85	3.83	3.49	3.16	3.27	3.06	3.03	3.18	2.99	2.85
95	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	2.21	2.41	2.20	1.91	1.92	1.96	1.49	1.58	1.68	1.55

See footnote at end of table.

Table 12. Life expectancy by age, race, and sex: Death registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table12.xls.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 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, data excludes deaths of nonresidents of the United States]

Age, race, and sex	Average number of years of life remaining (e_x)										
	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	79.99	79.45	78.22	75.49	74.19	72.03	67.29	62.67	58.53	53.62	51.08
1	79.40	78.99	77.98	75.66	74.68	72.77	68.93	64.93	61.51	58.69	56.39
5	75.48	75.10	74.13	71.86	70.92	69.09	65.57	62.17	59.43	57.67	56.03
10	70.53	70.16	69.21	66.97	66.05	64.26	60.85	57.65	55.17	53.57	52.15
15	65.58	65.23	64.29	62.07	61.15	59.39	56.07	53.00	50.67	49.12	47.79
20	60.70	60.36	59.44	57.24	56.29	54.56	51.38	48.52	46.46	44.88	43.77
25	55.83	55.51	54.60	52.42	51.45	49.77	46.78	44.25	42.55	40.88	40.05
30	50.95	50.65	49.76	47.60	46.63	45.00	42.21	39.99	38.72	36.96	36.42
35	46.11	45.82	44.93	42.82	41.84	40.28	37.70	35.73	34.86	33.09	32.82
40	41.33	41.03	40.16	38.12	37.13	35.64	33.25	31.52	30.94	29.26	29.17
45	36.62	36.30	35.49	33.54	32.53	31.12	28.90	27.39	26.98	25.45	25.51
50	32.01	31.71	30.96	29.11	28.08	26.76	24.72	23.41	23.12	21.74	21.89
55	27.53	27.29	26.61	24.85	23.81	22.58	20.73	19.60	19.40	18.18	18.43
60	23.25	23.09	22.45	20.79	19.69	18.64	17.00	16.05	15.93	14.92	15.23
65	19.23	19.14	18.55	16.93	15.88	15.00	13.56	12.81	12.75	11.97	12.23
70	15.47	15.46	14.89	13.37	12.38	11.68	10.50	9.98	9.94	9.38	9.59
75	12.02	12.11	11.58	10.21	9.28	8.87	7.92	7.56	7.62	7.20	7.33
80	9.04	9.12	8.65	7.59	6.67	6.59	5.88	5.63	5.70	5.35	5.50
85	6.59	6.62	6.32	5.54	4.66	4.83	4.34	4.24	4.24	4.06	4.10
90	4.67	4.69	4.59	4.05	3.23	3.51	3.24	3.17	3.16	3.00	3.02
95	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	2.49	2.70	2.49	1.91	1.92	1.95	1.48	1.42	1.74	1.58
Black[1]											
0	71.81	69.16	68.52	64.11	63.91	60.73	53.85	48.53	47.03	35.87	33.80
1	71.84	69.43	68.99	65.27	65.75	62.65	57.15	51.71	51.01	43.84	43.00
5	67.98	65.64	65.25	61.62	62.21	59.25	54.13	49.25	49.44	45.34	45.55
10	63.05	60.75	60.38	56.79	57.41	54.50	49.50	44.80	45.26	41.74	42.46
15	58.13	55.86	55.49	51.94	52.57	49.73	44.89	40.37	41.02	38.02	39.04
20	53.38	51.19	50.75	47.34	47.88	45.19	40.73	36.62	37.72	34.86	36.03
25	48.78	46.67	46.18	43.00	43.35	40.85	36.91	33.32	34.91	31.72	33.04
30	44.16	42.22	41.69	38.70	38.89	36.59	33.17	30.07	31.98	28.43	29.96
35	39.59	37.87	37.28	34.48	34.56	32.44	29.53	26.94	29.07	25.39	26.82
40	35.12	33.65	32.98	30.46	30.39	28.48	26.06	23.82	26.07	22.41	23.73
45	30.84	29.55	28.87	26.65	26.46	24.75	22.82	20.97	23.17	19.58	20.67
50	26.80	25.62	25.03	23.11	22.74	21.38	19.94	18.22	20.17	16.84	17.95
55	22.97	21.95	21.50	19.83	19.45	18.41	17.43	15.80	17.33	14.33	15.23
60	19.43	18.59	18.29	16.83	16.53	15.87	15.18	13.62	14.72	12.16	13.06
65	16.14	15.56	15.37	14.16	13.96	13.59	13.02	11.49	12.22	10.22	10.87
70	13.18	12.87	12.67	11.77	11.63	11.48	10.93	9.54	9.90	8.59	8.96
75	10.54	10.48	10.32	9.89	9.52	9.48	8.97	7.84	8.00	7.08	7.24
80	8.29	8.30	8.17	8.20	7.28	7.62	7.31	6.19	6.22	5.80	5.79
85	6.41	6.51	6.54	6.54	5.27	5.79	5.91	4.92	4.88	4.80	4.56
90	4.90	4.94	5.13	5.09	3.48	3.97	4.64	3.83	3.84	4.26	3.60
95	3.71	3.82	4.08	4.28	2.43	2.70	3.51	2.83	2.90	3.31	2.82
100	2.81	2.91	3.58	3.93	1.91	1.94	2.57	1.87	1.94	2.27	2.18
Black male[1]											
0	68.17	64.47	64.10	60.00	61.48	58.91	52.26	47.55	47.14	34.05	32.54
1	68.25	64.76	64.60	61.24	63.50	61.06	55.93	51.08	51.63	42.53	42.46
5	64.40	60.98	60.86	57.60	59.98	57.69	52.95	48.69	50.18	44.25	45.06
10	59.48	56.09	56.01	52.79	55.19	52.96	48.34	44.27	45.99	40.65	41.90
15	54.57	51.22	51.14	47.96	50.39	48.23	43.74	39.83	41.75	36.77	38.26
20	49.92	46.71	46.48	43.49	45.78	43.73	39.52	35.95	38.36	33.46	35.11
25	45.50	42.40	42.09	39.45	41.38	39.49	35.72	32.67	35.54	30.44	32.21
30	41.02	38.14	37.81	35.40	37.05	35.31	32.05	29.45	32.51	27.33	29.25
35	36.56	34.02	33.60	31.42	32.81	31.21	28.48	26.39	29.54	24.42	26.16
40	32.18	30.05	29.51	27.61	28.72	27.29	25.06	23.36	26.53	21.57	23.12
45	28.01	26.18	25.61	24.03	24.89	23.59	21.88	20.59	23.55	18.85	20.09
50	24.13	22.50	22.03	20.69	21.28	20.25	19.06	17.92	20.47	16.21	17.34

See footnote at end of table.

Table 12. Life expectancy by age, race, and sex: Death registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table12.xls.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 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, data excludes deaths of nonresidents of the United States]

Age, race, and sex	Average number of years of life remaining (e_x)										
	1999–2001	1989–1991	1979–1981	1969–1971	1959–1961	1949–1951	1939–1941	1929–1931	1919–1921	1909–1911	1900–1902
Black male[1]—Con.											
55	20.50	19.08	18.79	17.66	18.11	17.36	16.60	15.46	17.50	13.82	14.69
60	17.19	16.01	15.89	14.93	15.29	14.91	14.37	13.15	14.74	11.67	12.62
65	14.12	13.27	13.29	12.53	12.84	12.75	12.21	10.87	12.07	9.74	10.38
70	11.40	10.88	10.94	10.40	10.81	10.74	10.11	8.78	9.58	8.00	8.33
75	9.07	8.84	8.90	8.76	8.93	8.83	8.17	6.99	7.61	6.58	6.60
80	7.12	7.01	7.03	7.35	6.87	7.07	6.58	5.42	5.83	5.53	5.12
85	5.52	5.58	5.61	5.92	5.08	5.38	5.34	4.30	4.53	4.48	4.04
90	4.23	4.24	4.47	4.68	3.42	3.78	4.23	3.42	3.60	4.01	3.21
95	3.24	3.37	3.62	3.92	2.43	2.64	3.20	2.54	2.61	3.15	2.50
100	2.48	2.63	3.24	3.61	1.91	1.93	2.29	1.68	1.64	2.14	1.89
Black female[1]											
0	75.16	73.73	72.88	68.32	66.47	62.70	55.56	49.51	46.92	37.67	35.04
1	75.13	73.96	73.31	69.37	68.10	64.37	58.46	52.33	50.39	45.15	43.54
5	71.26	70.16	69.54	65.70	64.54	60.93	55.40	49.81	48.70	46.42	46.04
10	66.32	65.26	64.65	60.85	59.72	56.17	50.75	45.33	44.54	42.84	43.02
15	61.39	60.34	59.74	55.97	54.85	51.36	46.13	40.87	40.36	39.18	39.79
20	56.52	55.49	54.90	51.22	50.07	46.77	42.04	37.22	37.15	36.14	36.89
25	51.71	50.72	50.13	46.57	45.40	42.35	38.20	33.93	34.35	32.97	33.90
30	46.95	46.03	45.43	42.00	40.83	38.02	34.40	30.67	31.48	29.61	30.70
35	42.26	41.45	40.79	37.56	36.41	33.82	30.83	27.47	28.58	26.44	27.52
40	37.69	36.96	36.28	33.32	32.16	29.82	27.19	24.30	25.60	23.34	24.37
45	33.29	32.58	31.94	29.31	28.14	26.07	23.89	21.39	22.61	20.43	21.36
50	29.06	28.38	27.84	25.52	24.31	22.67	20.95	18.60	19.76	17.65	18.67
55	25.01	24.41	24.00	21.97	20.89	19.62	18.38	16.27	17.09	14.98	15.88
60	21.20	20.71	20.42	18.66	17.83	16.95	16.10	14.22	14.69	12.78	13.60
65	17.65	17.37	17.13	15.67	15.12	14.54	13.95	12.24	12.41	10.82	11.38
70	14.41	14.32	14.05	13.02	12.46	12.29	11.82	10.38	10.25	9.22	9.62
75	11.49	11.56	11.37	10.85	10.10	10.15	9.81	8.62	8.37	7.55	7.90
80	8.96	9.05	8.95	8.87	7.66	8.15	8.02	6.90	6.58	6.05	6.48
85	6.86	6.99	7.09	7.00	5.44	6.15	6.41	5.48	5.22	5.09	5.10
90	5.16	5.24	5.47	5.41	3.52	4.13	4.96	4.20	4.07	4.50	4.01
95	3.84	3.97	4.30	4.58	2.43	2.74	3.71	3.09	3.18	3.45	3.15
100	2.84	2.97	3.69	4.20	1.91	1.94	2.70	2.04	2.23	2.39	2.49

[1]For 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.

Table 13. Survivorship by age, race, and sex: Death registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table13.xls.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 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, data excludes deaths of nonresidents of the United States]

Age, race, and sex	Number of survivors out of 100,000 born alive (l_x)										
	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
1	99,305	99,064	98,740	97,998	97,407	97,024	95,290	94,028	92,515	88,538	87,552
5	99,176	98,877	98,495	97,668	96,998	96,482	94,220	91,978	83,389	83,887	81,804
10	99,097	98,766	98,347	97,460	96,765	96,177	93,710	91,106	88,129	82,458	80,052
15	98,998	98,635	98,196	97,261	96,551	95,885	93,235	90,385	87,144	81,506	78,963
20	98,664	98,215	97,741	96,716	96,111	95,366	92,435	89,089	85,441	80,074	77,239
25	98,203	97,671	97,110	96,000	95,517	94,676	91,335	87,269	83,146	78,046	74,768
30	97,751	97,070	96,477	95,307	94,905	93,919	90,078	85,302	80,642	75,779	72,043
35	97,201	96,322	95,808	94,482	94,144	92,976	88,573	83,118	77,961	73,127	69,078
40	96,422	95,373	94,926	93,322	93,064	91,648	86,650	80,557	75,114	70,042	65,890
45	95,274	94,154	93,599	91,587	91,378	89,634	84,069	77,343	72,036	66,561	62,436
50	93,601	92,370	91,526	88,972	88,756	86,591	80,487	73,321	68,429	62,460	58,514
55	91,232	89,658	88,348	85,110	84,711	82,176	75,557	68,182	63,947	57,555	53,852
60	87,642	85,537	83,726	79,529	79,067	75,921	68,924	61,563	58,079	51,138	47,946
65	82,330	79,519	77,107	71,933	71,147	67,555	60,366	53,195	50,560	43,194	40,911
70	74,891	71,357	68,248	61,984	60,857	56,987	49,655	42,768	41,090	33,816	32,390
75	64,644	60,449	56,799	49,705	48,170	43,903	36,735	30,789	29,729	23,552	22,960
80	50,885	47,084	43,180	35,285	33,576	29,313	22,883	18,580	18,298	13,712	13,529
85	34,515	31,770	27,960	20,908	18,542	15,785	11,073	8,542	8,683	6,001	6,053
90	18,496	17,046	14,154	9,297	7,080	6,144	3,796	2,998	2,941	1,868	1,867
95	6,879	6,282	5,043	2,786	1,524	1,511	857	636	646	361	344
100	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
1	99,239	98,961	98,607	97,755	97,087	96,661	94,762	93,440	91,745	87,505	86,426
5	99,095	98,754	98,333	97,395	96,643	96,077	93,624	91,294	88,505	82,718	80,548
10	99,008	98,627	98,160	97,151	96,375	95,726	93,054	90,346	87,184	81,249	78,775
15	98,890	98,464	97,972	96,904	96,107	95,366	92,508	89,561	86,156	80,261	77,681
20	98,426	97,854	97,316	96,126	95,491	94,695	91,617	88,220	84,440	78,792	75,984
25	97,747	97,049	96,361	95,040	94,631	93,791	90,385	86,359	82,252	76,675	73,472
30	97,114	96,166	95,430	94,072	93,826	92,861	89,009	84,346	79,890	74,378	70,747
35	96,385	95,091	94,501	92,997	92,889	91,760	87,371	82,075	77,514	71,614	67,752
40	95,389	93,761	93,345	91,541	91,572	90,207	85,246	79,357	74,432	68,297	64,447
45	93,940	92,139	91,649	89,369	89,492	87,819	82,336	75,882	71,244	64,518	60,849
50	91,818	89,865	89,007	86,070	86,199	84,158	78,254	71,518	67,553	60,118	56,736
55	88,897	86,492	84,936	81,139	81,039	78,781	72,627	65,981	62,965	54,970	51,939
60	84,551	81,378	79,012	73,958	73,887	71,246	65,142	58,909	56,917	48,343	45,895
65	78,241	73,971	70,646	64,318	64,177	61,566	55,776	50,154	49,218	40,264	38,736
70	69,491	64,107	59,681	52,296	52,244	49,950	44,588	39,516	39,668	31,023	30,217
75	57,688	51,385	46,272	38,797	38,950	36,756	31,864	27,718	28,316	21,213	21,076
80	42,769	36,749	31,810	24,921	25,300	25,237	18,995	16,172	17,128	11,942	12,084
85	26,527	21,815	18,020	13,168	12,845	11,750	8,693	7,107	7,920	5,059	5,179
90	12,473	9,878	7,732	5,107	4,609	4,197	2,787	2,283	2,527	1,502	1,508
95	3,855	2,927	2,279	1,326	970	955	586	451	556	289	262
100	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
1	99,375	99,172	98,880	98,254	97,744	97,406	95,848	94,728	93,383	89,623	88,733
5	99,261	99,006	98,666	97,955	97,371	96,908	94,848	92,789	90,380	85,117	83,119
10	99,190	98,911	98,544	97,784	97,173	96,652	94,402	92,008	89,186	83,728	81,390
15	99,111	98,814	98,432	97,636	97,016	96,431	94,000	91,364	88,247	82,813	80,307
20	98,915	98,597	98,184	97,331	96,756	96,066	93,293	90,116	86,556	81,418	78,555
25	98,682	98,325	97,883	96,966	96,418	95,583	92,322	88,328	84,135	79,481	76,119
30	98,418	98,013	97,551	96,544	95,996	94,933	91,182	86,398	81,463	77,247	73,394
35	98,052	97,596	97,140	95,966	95,409	94,206	89,810	84,304	78,713	74,719	70,463
40	97,493	97,033	96,531	95,097	94,560	93,101	88,092	81,927	75,907	71,894	67,407
45	96,648	96,222	95,570	93,793	93,265	91,469	85,856	79,041	72,954	68,755	64,121
50	95,425	94,932	94,060	91,852	91,327	89,075	82,828	75,456	69,452	65,001	60,415

See footnote at end of table.

Table 13. Survivorship by age, race, and sex: Death registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 1999–2001—Con.

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[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 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, data excludes deaths of nonresidents of the United States]

Age, race, and sex	Number of survivors out of 100,000 born alive (l_x)										
	1999–2001	1989–1991	1979–1981	1969–1971	1959–1961	1949–1951	1939–1941	1929–1931	1919–1921	1909–1911	1900–1902
Female—Con.											
55	93,609	92,881	91,760	89,066	88,451	85,694	78,708	70,832	65,099	60,392	55,908
60	90,767	89,742	88,414	85,139	84,430	80,890	73,093	64,795	59,438	54,226	50,155
65	86,433	85,075	83,520	79,698	78,462	74,119	65,523	56,924	52,126	46,438	43,246
70	80,219	78,522	76,720	71,955	70,100	64,873	55,449	46,774	42,741	36,916	34,721
75	71,311	69,287	67,186	61,107	58,394	52,111	42,425	34,600	31,344	26,155	24,994
80	58,455	56,986	54,372	46,445	43,063	36,486	27,524	21,578	19,613	15,682	15,129
85	41,830	41,115	37,772	29,538	25,269	20,668	13,972	10,322	9,515	7,051	7,063
90	23,936	23,666	20,578	14,160	10,056	8,548	5,044	3,656	3,314	2,269	2,306
95	9,560	9,346	7,862	4,565	2,193	2,207	1,195	807	728	441	452
100	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
1	99,429	99,233	98,898	98,224	97,714	97,278	95,685	94,392	92,780	88,709	87,762
5	99,313	99,068	98,675	97,930	97,353	96,790	94,713	92,466	89,771	84,147	82,071
10	99,239	98,966	98,536	97,733	97,131	96,502	94,228	91,627	88,536	82,734	80,371
15	99,146	98,843	98,391	97,546	96,928	96,228	93,792	90,982	87,633	81,816	79,344
20	98,826	98,455	97,939	97,036	96,508	95,763	93,117	89,933	86,159	80,407	77,998
25	98,406	97,972	97,340	96,406	95,965	95,169	92,213	88,454	84,106	78,392	75,202
30	98,000	97,451	96,774	95,824	95,440	94,536	91,185	86,836	81,787	76,167	72,317
35	97,506	96,810	96,192	95,152	94,798	93,750	89,941	85,004	79,277	73,568	69,522
40	96,799	96,000	95,427	94,190	93,870	92,616	88,318	82,803	76,642	70,525	66,082
45	95,759	94,932	94,257	92,681	92,374	90,847	86,069	79,989	73,705	67,090	62,920
50	94,242	93,326	92,384	90,306	89,958	88,110	82,833	76,340	70,250	62,994	58,647
55	92,050	90,833	89,427	86,688	86,173	84,027	78,218	71,551	65,875	58,163	54,450
60	88,655	86,943	85,031	81,323	80,811	78,066	71,785	65,100	60,013	51,822	48,288
65	83,518	81,123	78,585	73,889	73,102	69,850	63,201	56,655	52,411	43,904	41,505
70	76,219	73,106	69,801	63,991	62,834	59,189	52,165	45,841	42,736	34,484	32,902
75	66,022	62,175	58,299	51,586	49,895	45,688	38,610	33,406	31,086	24,151	23,356
80	52,160	48,583	44,409	36,659	34,697	30,438	23,976	20,260	19,149	14,100	13,794
85	35,461	32,850	28,768	21,578	19,017	16,239	11,483	9,325	9,078	6,178	6,192
90	18,964	17,571	14,471	9,433	7,149	6,201	3,819	3,066	2,991	1,918	1,919
95	6,971	6,416	5,067	2,743	1,521	1,500	801	636	643	364	355
100	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
1	99,373	99,138	98,769	97,994	97,408	96,931	95,188	93,768	91,975	87,674	86,655
5	99,243	98,956	98,519	97,671	97,015	96,403	94,150	91,738	88,842	82,972	80,864
10	99,163	98,839	98,357	97,441	96,758	96,069	93,601	90,810	87,530	81,519	79,109
15	99,052	98,686	98,176	97,208	96,503	95,728	93,089	90,074	86,546	80,549	78,037
20	98,616	98,134	97,525	96,480	95,908	95,104	92,293	88,904	84,997	79,116	76,376
25	98,003	97,430	96,616	95,524	95,106	94,294	91,241	87,371	83,061	77,047	73,907
30	97,436	96,662	95,783	94,716	94,401	93,489	90,092	85,707	80,888	74,810	71,219
35	96,774	95,731	94,980	93,843	93,589	92,543	88,713	83,812	78,441	72,108	68,245
40	95,859	94,588	93,984	92,631	92,427	91,173	86,880	81,457	75,733	68,848	64,954
45	94,530	93,167	92,494	90,725	90,533	89,002	84,285	78,345	72,696	65,115	61,369
50	92,588	91,124	90,105	87,690	87,424	85,601	80,521	74,288	69,107	60,741	57,274
55	89,883	88,022	86,303	83,001	82,463	80,496	75,156	68,981	64,574	55,622	52,491
60	85,773	83,182	80,625	75,969	75,485	73,172	67,787	61,933	58,498	48,987	46,452
65	79,657	75,962	72,393	66,343	65,834	63,541	58,305	52,964	50,663	40,862	39,245
70	71,039	66,181	61,384	54,138	53,825	51,735	46,739	41,880	40,873	31,527	30,640
75	59,245	53,308	47,712	40,324	40,207	38,104	33,404	29,471	29,205	21,585	21,387
80	44,121	38,245	32,788	25,885	25,993	24,005	19,860	17,221	17,655	12,160	12,266
85	27,425	22,720	18,538	13,527	13,065	12,015	9,013	7,572	8,154	5,145	5,252
90	12,840	10,214	7,891	5,125	4,600	4,209	2,812	2,356	2,568	1,523	1,523
95	3,899	2,988	2,279	1,274	956	942	552	461	556	289	263
100	625	523	404	189	115	118	65	40	61	31	22

See footnote at end of table.

Table 13. Survivorship by age, race, and sex: Death registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/57_01/Table13.xls.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 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, data excludes deaths of nonresidents of the United States]

Age, race, and sex	Number of survivors out of 100,000 born alive (l_x)										
	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
1	99,488	99,333	99,035	98,468	98,036	97,645	96,211	95,037	93,608	89,774	88,939
5	99,385	99,187	98,841	98,203	97,709	97,199	95,309	93,216	90,721	85,349	83,426
10	99,319	99,099	98,725	98,042	97,525	96,960	94,890	92,466	89,564	83,979	81,723
15	99,245	99,007	98,618	97,902	97,375	96,756	94,534	91,894	88,712	83,093	80,680
20	99,049	98,795	98,374	97,618	97,135	96,454	93,984	90,939	87,281	81,750	78,978
25	98,835	98,547	98,093	97,299	96,844	96,072	93,228	89,524	85,163	79,865	76,588
30	98,602	98,283	97,802	96,945	96,499	95,605	92,320	87,972	82,740	77,676	73,887
35	98,282	97,939	97,445	96,474	96,026	94,977	91,211	86,248	80,206	75,200	70,971
40	97,790	97,472	96,913	95,762	95,326	94,080	89,805	84,256	77,624	72,425	67,935
45	97,049	96,768	96,065	94,649	94,228	92,725	87,920	81,780	74,871	69,341	64,677
50	95,962	95,608	94,710	92,924	92,522	90,685	85,267	78,572	71,547	65,629	61,005
55	94,293	93,730	92,594	90,383	89,967	87,699	81,520	74,321	67,323	61,053	56,509
60	91,615	90,789	89,451	86,726	86,339	83,279	76,200	68,462	61,704	54,900	50,752
65	87,449	86,339	84,764	81,579	80,739	76,773	68,701	60,499	54,299	47,086	43,806
70	81,400	79,984	78,139	74,101	72,507	67,545	58,363	49,932	44,638	37,482	35,206
75	72,595	70,834	68,712	63,290	60,461	54,397	44,685	37,024	32,777	26,569	25,362
80	59,721	58,454	55,770	48,182	44,676	38,026	28,882	23,053	20,492	15,929	15,349
85	42,848	42,274	38,774	30,490	26,046	21,348	14,487	10,937	9,909	7,152	7,149
90	24,491	24,270	20,996	14,406	10,219	8,662	5,061	3,719	3,372	2,291	2,322
95	9,680	9,495	7,900	4,526	2,203	2,200	1,109	797	721	434	448
100	2,147	2,239	1,858	872	265	294	139	74	63	44	41
Black[1]											
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,578	98,187	97,885	96,731	95,732	95,407	92,584	92,035	90,379	79,784	76,609
5	98,382	97,884	97,522	96,207	95,051	94,482	90,983	89,303	86,174	70,691	66,222
10	98,271	97,720	97,322	95,928	94,745	94,060	90,339	88,258	84,690	68,437	63,410
15	98,139	97,539	97,134	95,661	94,460	93,646	89,591	87,156	83,180	66,410	61,060
20	97,701	96,925	96,652	94,887	93,880	92,738	87,839	84,386	79,641	63,165	57,931
25	96,946	95,972	95,804	93,513	92,925	91,321	85,210	80,320	74,973	59,608	54,512
30	96,143	94,809	94,680	91,934	91,699	89,584	82,194	75,962	70,492	56,112	51,287
35	95,164	93,260	93,288	89,977	90,046	87,402	78,683	71,141	65,865	52,125	48,007
40	93,809	91,239	91,439	87,304	87,766	84,478	74,466	65,974	61,244	47,866	44,518
45	91,770	88,689	88,834	83,700	84,501	80,507	69,284	59,827	56,442	43,054	40,628
50	88,761	85,285	85,044	78,938	80,172	74,976	62,702	53,141	51,422	37,800	36,103
55	84,657	80,635	79,816	72,826	73,893	67,660	54,846	45,558	45,803	32,233	31,404
60	79,007	74,335	72,913	65,250	65,795	58,593	46,318	37,654	39,418	26,046	25,698
65	71,704	66,154	64,391	56,102	56,038	48,649	37,838	30,015	32,738	19,806	20,474
70	62,349	56,192	54,617	45,785	45,434	38,616	29,654	22,505	25,585	14,021	14,960
75	50,987	44,872	43,274	34,262	34,531	28,968	21,798	15,546	18,011	9,139	9,956
80	37,964	33,149	31,711	23,710	24,815	20,003	14,408	9,589	11,376	5,158	5,750
85	24,677	21,352	19,939	15,044	15,337	12,433	8,326	4,900	5,794	2,414	2,782
90	13,204	11,646	10,713	8,087	7,195	6,394	4,077	2,044	2,317	913	1,054
95	5,368	4,729	4,463	3,252	1,777	2,010	1,557	638	689	324	296
100	1,491	1,376	1,360	1,036	214	301	399	120	129	77	57
Black male[1]											
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,437	98,023	97,703	96,394	95,301	94,911	91,772	91,268	89,499	78,065	74,674
5	98,219	97,688	97,300	95,826	94,570	93,921	90,082	88,412	85,195	68,589	64,385
10	98,093	97,501	97,061	95,497	94,234	93,453	89,393	87,311	83,768	66,377	61,730
15	97,930	97,268	96,826	95,161	93,874	92,965	88,610	86,152	82,332	64,478	59,667
20	97,275	96,301	96,132	94,053	93,108	91,941	86,968	83,621	79,057	61,426	56,733
25	96,103	94,809	94,827	91,904	91,825	90,285	84,227	79,516	74,540	57,736	53,285
30	94,940	93,070	93,125	89,584	90,270	88,327	80,979	75,083	70,344	54,073	49,867
35	93,641	90,827	91,080	86,885	88,331	85,940	77,221	70,049	65,873	49,865	46,541
40	91,945	87,948	88,490	83,441	85,744	82,832	72,780	64,710	61,353	45,414	42,989
45	89,439	84,467	84,997	78,976	82,075	78,686	67,346	58,432	56,589	40,563	39,230
50	85,653	79,984	80,065	73,282	77,239	72,891	60,495	51,748	51,880	35,427	34,766

See footnote at end of table.

Table 13. Survivorship by age, race, and sex: Death registration states, 1900–1902 to 1919–1921, and United States, 1929–1931 to 1999–2001—Con.

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[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 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, data excludes deaths of nonresidents of the United States]

| Age, race, and sex | Number of survivors out of 100,000 born alive (l_x) | | | | | | | | | | |
	1999–2001	1989–1991	1979–1981	1969–1971	1959–1961	1949–1951	1939–1941	1929–1931	1919–1921	1909–1911	1900–1902
Black male[1]—Con.											
55	80,529	74,095	73,413	66,101	70,351	65,122	52,426	44,436	46,581	29,754	29,987
60	73,588	66,334	64,980	57,457	61,669	55,535	43,833	36,790	40,506	23,750	24,194
65	64,980	56,795	55,061	47,485	51,392	45,198	35,371	29,314	34,042	17,806	19,015
70	54,253	45,690	44,213	36,925	39,914	35,018	27,236	21,741	26,923	12,295	13,829
75	41,693	33,755	32,717	25,921	29,064	25,472	19,456	14,419	18,854	7,494	8,892
80	28,497	22,549	22,017	16,560	19,994	16,904	12,186	8,239	11,615	3,894	4,831
85	16,532	12,709	12,383	9,648	11,620	9,898	6,444	3,660	5,605	1,747	2,030
90	7,625	5,972	5,708	4,696	5,174	4,642	2,836	1,246	2,040	595	634
95	2,565	1,971	2,009	1,721	1,240	1,342	961	307	552	189	137
100	563	466	513	489	149	192	209	41	77	40	18
Black female[1]											
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,723	98,356	98,073	97,076	96,172	95,913	93,416	92,796	91,251	81,493	78,525
5	98,550	98,087	97,751	96,598	95,543	95,055	91,906	90,185	87,149	72,768	68,056
10	98,456	97,946	97,590	96,369	95,265	94,679	91,308	89,201	85,607	70,508	65,111
15	98,354	97,818	97,450	96,172	95,057	94,343	90,594	88,088	83,954	68,218	62,384
20	98,141	97,566	97,180	95,729	94,660	93,544	88,736	85,078	80,154	64,764	59,053
25	97,785	97,140	96,754	95,035	94,005	92,336	86,198	81,067	75,359	61,430	55,795
30	97,314	96,514	96,150	94,114	93,070	90,799	83,384	76,816	70,633	58,281	52,773
35	96,632	95,599	95,338	92,807	91,670	88,805	80,092	72,192	65,857	54,595	49,567
40	95,588	94,364	94,137	90,817	89,676	86,052	76,084	67,271	61,130	50,568	46,146
45	93,979	92,676	92,322	88,001	86,793	82,257	71,157	61,365	56,230	45,947	42,279
50	91,680	90,277	89,563	84,168	82,979	77,007	64,885	54,920	50,780	40,886	37,681
55	88,517	86,793	85,653	79,177	77,362	70,196	57,314	47,074	44,742	35,415	33,124
60	84,044	81,886	80,293	72,820	69,941	61,758	48,928	38,761	37,954	28,908	27,524
65	77,941	75,031	73,266	64,716	60,825	52,358	40,504	30,852	31,044	22,302	21,995
70	69,778	66,278	64,729	54,873	51,274	42,612	32,354	23,341	24,107	15,871	16,140
75	59,361	55,684	53,831	43,193	40,540	32,981	24,502	16,576	17,216	10,657	11,066
80	46,453	43,622	41,686	31,756	30,315	23,712	17,039	10,822	11,151	6,324	6,708
85	32,053	30,089	28,004	21,358	19,744	15,550	10,622	6,033	5,972	3,029	3,567
90	18,347	17,536	16,260	12,210	9,675	8,590	5,652	2,774	2,579	1,206	1,492
95	7,989	7,687	7,312	5,217	2,438	2,875	2,345	941	818	448	462
100	2,351	2,364	2,398	1,803	293	445	659	193	179	112	97

[1]For 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.

Contents

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