United States Life Tables Eliminating Certain Causes of Death, 1999–2001

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Abstract

Objectives—This report presents abridged cause-elimination life tables and multiple-decrement life table functions for 33 selected causes of death, by race (white and black) and sex, for the total United States. It is the fourth in a set of reports that present life table data for the United States and each state for the period 1999–2001.

Methods—The life table functions presented in this report represent the mortality experience of a hypothetical cohort assuming that a particular cause of death is eliminated. The report includes a description of the methodology used to estimate the life table functions shown in four sets of tables. Each set contains seven tables, one each for the total population, total males, total females, white males, white females, black males, and black females.

Results—From birth, a person has a 31% chance of dying of Diseases of heart (heart disease) and a 22% chance of dying of Malignant neoplasms (cancer). In contrast, the probabilities of dying from Accidents (unintentional injuries), Diabetes mellitus (diabetes), and Septicemia—3 of the 10 leading causes of death in 1991–2001—are much smaller. Likewise, elimination of heart disease would increase life expectancy at birth by almost 4 years, and elimination of cancer by more than 3 years. Other leading causes of death have a much smaller impact.

Keywords: mortality • cause of death • life expectancy

Introduction

This report presents cause-elimination life tables and multiple-decrement life table functions for 33 selected causes of death by race (white and black) and sex for the total United States. The selected causes include the 15 leading causes of death for the total population in 2000, the midpoint in 1999–2001; leading causes of death for specific age-race-sex groups; and other causes, such as Major cardiovascular diseases, for which requests for data were common. The report is the fourth in a set of reports presenting life table data for the United States and each state during 1999–2001 (1–3). U.S. decennial life tables have been published for every decennial period beginning with 1900–1902, and cause-elimination life tables were added to the series for 1959–1961 (4–7).

In a basic or single-decrement life table, deaths from all causes combined constitute the only cause of decrement in the number of persons in the life table cohort. Life tables with more than one source of decrement are called "multiple-decrement" life tables and are based on the idea that the life table cohort can be decreased by attrition from more than one cause of death (8–12). The decrement function from the multiple-decrement life table, $_nd_x^i$, is used in the calculation of the cause-elimination life tables. The function $_nd_x^i$ is the number of life table deaths due to the ith cause of death (see Methodology section).

Cause-elimination life tables address the hypothetical question of what a life table cohort's mortality experience would be if a particular cause of death were eliminated. Each of the standard life table functions are reestimated assuming that no one dies from the selected cause of death. Note that the tables in this report provide no guidance regarding the mortality among persons known to have a given disease or morbid condition, for example, mortality among persons with Malignant neoplasms (cancer). Such information can be derived only from special studies of such groups.

The elimination of a specified cause of death in these tables should not be interpreted as implying the elimination of the corresponding disease or injury. Only the death from the specified cause is assumed not to occur. Thus, if Diabetes mellitus (diabetes) was the eliminated cause, the table eliminating it would assume that diabetes as a disease would continue at the level prevailing in 1999–2001; however, each person who would otherwise have died from diabetes is, for the purposes of the life table estimates, assumed to return to a normal (usual) state of health at the moment in which he or she would have died. Any interactions between diseases in accelerating the death of a person are implicitly assumed to continue intact, including those pertaining to the eliminated cause.

It could be argued that, if calculations were made on the assumption that specified diseases or morbid conditions were eliminated, the

resulting death rates would be lower than those in these tables because under that assumption the specified disease or condition could not contribute to earlier deaths from other causes. However, the methodology used in this report does not assume that the specific disease is eliminated as a health condition, only that it is eliminated as a cause of death.

This report contains four sets of detailed tables showing multiple-decrement and cause-elimination life table functions for 33 causes of death. The first set, Tables 1–7, presents cause-elimination life tables indicating the effects on the life table cohort of the elimination of each selected cause of death. The second set, Tables 8–14, presents the number of life table deaths from each cause. The third set, Tables 15–21, shows the probability of eventually dying from each of the selected causes. And, the fourth set, Tables 22–28, presents the gains in life expectancy from the elimination of each selected cause. Each of the four sets contains seven tables, showing the results by sex and race for the total population, total males, total females, white males, white females, black males, and black females. Each set of tables is described in greater detail below.

Cause-elimination life tables

These abridged life tables present only some of the life table functions. Tables 1–7 contain, in the first panel of each table under the heading "Eliminating no cause," abridged life tables based on the death rates for all causes combined. These tables are given for comparison purposes and correspond exactly to the life tables for the United States that were published in the report presenting complete national life tables for 1999–2001 (1).

The remaining panels of Tables 1–7 contain the cause-elimination life tables. These life table functions have interpretations similar to those in the basic life table, but in this case a specified cause of death is eliminated. That is, in preparing the tables it is assumed that deaths due to the specified cause are impossible. In the text of this report, the superscript "$(-i)$" is used to denote life table functions based on the elimination of the ith cause of death. For example, $l_x^{(-i)}$ denotes the number of persons surviving to age x in the life table that eliminates the ith cause of death. In the actual tables, the superscripts are not used because there is no possibility of ambiguity. Each column of the abridged life tables corresponds to a life table function, described below.

Age (x to $x + n$)—The age interval between the two exact ages indicated. For example, "20–25" means the 5-year interval between the 20th and 25th birthdays.

Probability of dying ($_nq_x$)—The probability of dying between the beginning of an age interval and before reaching the end of that age interval, based on mortality rates for 1999–2001. For example, in the first panel of Table 1, in the age interval 20–25 years, the probability of dying is 0.004678. In other words, of the 98,664 persons in the life table cohort reaching their 20th birthday, 461 will die before reaching their 25th birthday. The corresponding figures in panel 4 if cancer is eliminated as a cause of death indicate that the probability of dying in the age interval 20–25 is 0.004422, or of 98,719 persons surviving to age 20, a total of 437 will die before reaching exact age 25.

Number surviving (l_x)—The number of persons from the original life table cohort of 100,000 live births who survive to the beginning of each age interval. Thus, the first panel of Table 1 shows that out of 100,000 babies born alive, 99,305 will complete the first year of life,

98,664 will reach age 20, 34,515 will reach age 85, and 1,479 will reach age 100. Panel 13 of Table 1 shows that if Diseases of heart (heart disease) is eliminated as a cause of death, 99,318 persons will complete the first year of life, 98,698 will reach age 20, 46,958 will reach age 85, and 7,107 will reach age 100.

Person-years lived ($_nL_x$)—The number of person-years lived by the life table cohort within an age interval x to $x + n$. This function represents the total time (in years) lived between two indicated birthdays by all those reaching the earlier birthday. Thus, the figure 492,182 for ages 20–25 in panel 1 of Table 1 is the total number of person-years lived between the 20th and 25th birthdays by the 98,664 persons who reached the 20th birthday out of 100,000 babies born alive. Similarly, panel 4 of Table 1 shows 492,518 person-years lived for ages 20–25 if cancer were eliminated as a cause of death.

Expectation of life (e_x)—The expectation of life at a given age. It is the average number of years remaining to be lived by those surviving to that age, based on a given set of age-specific death rates. 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).

Life expectancy, as shown in panel 1 of Table 1, is 76.86 years at birth and 29.90 years at age 50. Panel 4 of Table 1 shows that eliminating cancer as a cause of death increases life expectancy to 80.06 years at birth and 32.89 years at age 50. The gains in life expectancy due to the elimination of cancer as a cause of death are then 3.20 years at birth and 2.99 years at age 50. The gains in life expectancy refer to the average gain in years as distributed over the entire life table cohort and are discussed more fully in a later section.

Life table deaths from specified causes

An abridged life table for all causes combined usually includes a $_nd_x$ column showing the number of deaths occurring between ages x and $x + n$. These are generally referred to as life table deaths because they represent the number of deaths that would be recorded among the survivors in the life table if the mortality of the life table were applicable. The number of life table deaths is different, in both absolute and relative terms, from the number of deaths actually observed in the population. The life table deaths can be viewed as the expected distribution by age at death of the initial 100,000 life table cohort.

This report presents not only the distribution of the cohort by age at death, but also the distribution by cause of death. This information is shown in Tables 8–14. In these tables, the initial group at birth was taken as 10 million instead of the usual 100,000. The additional significant digits are needed to improve the precision for those causes of death that produce relatively few life table deaths.

Probabilities of eventually dying

To facilitate the calculation of some probabilities that may be based on these tables, a column of survivors—the number living at the beginning of the age interval—is provided in Tables 8–14. As an example of the computations that are possible, assume that one is interested in estimating the probability that a person aged 20 will die before reaching his or her 25th birthday from injuries resulting from a motor vehicle accident. This can be calculated from Table 8 as the ratio of the number of life table deaths occurring between ages 20 and 25 due to Motor vehicle accidents (13,645), to the total number

of persons who survived to age 20 (9,866,403). The probability is 0.001383, or about 138 deaths due to motor vehicle accidents per 100,000 persons surviving to age 20.

If a similar probability were desired for deaths occurring between the 20th and 35th birthdays, the numerator would be the sum of the life table deaths at ages 20–25, 25–30, and 30–35, or 30,510. The denominator in this case would still be 9,866,403 because both probabilities relate to those surviving to age 20. The calculated probability is 0.003092 and is interpreted as the probability that a person surviving to age 20 will die due to a motor vehicle accident before reaching his or her 35th birthday.

The following general formula can be used to calculate the probability that a person aged x will die from cause i between ages y and $y + s$:

$$(y, y + s)q_x^i = \frac{{}_s d_y^i}{l_x} \qquad [1]$$

A special case of this formula is the probability that a person aged x will eventually die from the ith cause of death, ψ_x^i. The formula for this probability, $\psi_x^i = {}_\infty q_x$, is described in the Methodology section of this report. Estimates of the probability of eventually dying from cause i are presented in Tables 15–21. From Table 15, the probability that a person aged 20 will eventually die from a motor vehicle accident is 0.010494. The probability that the same person will eventually die from cancer is 0.222162.

Gain in life expectancy

Another measure of the importance of the various causes of death is the gain in life expectancy that would be achieved if a specified cause of death were eliminated, $g_x^{(-i)}$. The gain in life expectancy at age x due to the elimination of the ith cause of death is defined as the number of additional years that a person aged x would expect to live on average if the ith cause of death were eliminated. Specifically, the values of gain in life expectancy shown in Tables 22–28 are estimated as the difference between the life expectancy values eliminating specified causes and the life expectancy value for all causes combined. For example, in Table 22 a person aged 50 would expect to live an additional 2.99 years if cancer were eliminated as a cause of death. This value is the difference between the life expectancy indicated in panel 1 of Table 1 (29.90 years) and the corresponding life expectancy shown for cancer in panel 4 of Table 1 (32.89 years).

Because the overall gains in life expectancy are sensitive to the number of deaths associated with each cause, it is instructive to examine the gains in life expectancy for those who would have died had the cause not been eliminated, $\psi_x^{(-i)}$. Such values are shown in Tables 22–28 for the selected causes of death. These values are more sensitive to the average age at death for each cause. Causes that occur mainly in the first year of life, for example, Congenital malformations, deformations, and chromosomal abnormalities (congenital malformations), show large gains because a life saved in infancy could expect many more years of life remaining than a life saved at age 85. Similarly, external causes of death such as Intentional self-harm (suicide) and Assault (homicide) typically show a larger gain than chronic diseases such as Cerebrovascular diseases (stroke) or Alzheimer's disease. In some cases, $\psi_x^{(-i)}$ is undefined (i.e., in age intervals where the probability of ever dying of a particular disease, ψ_x^i, is mathematically zero).

Methodology

The methods used to estimate the values presented in this report are closely related to those used in the estimation of the 1999–2001 life tables for all causes combined (1). Only those details directly related to the estimation of the multiple-decrement and cause-elimination life table functions are presented here.

Data

The life tables in this report are based on the 2000 Census of Population and deaths recorded during the 3-year period 1999–2001. Preliminary adjustments to the data, and the use of Medicare data at the oldest ages, are described in a report on methodology (2). Data by cause of death were classified according to the 10th revision of the *International Classification of Diseases* (ICD–10) (13).

Complete and abridged life tables

Life tables can be either complete or abridged. A complete life table contains data for every single year of age, whereas an abridged life table typically shows data for 5- or 10-year age groups. Life tables presented in other reports related to the 1999–2001 decennial life tables are complete life tables (1–3). The cause-elimination life tables presented in this report are abridged life tables. The advantage of abridged life tables is that the information can be shown in less space, but the disadvantage is the loss of detail and accuracy that a complete life table provides. Further information on life tables can be found in standard demographic and actuarial textbooks (8–12).

Abridgement of complete life table functions

The abridged cause-elimination life tables and multiple-decrement life table functions presented in this report are based on abridged life tables for all causes combined. Abridged life tables are abridged versions of their corresponding complete life tables and are estimated using values from the l_x, T_x, and e_x functions obtained from the complete life tables (1). Because l_x, T_x, and e_x are values associated with exact age x, the values for the abridged life table are equal to their corresponding values in the complete life table. From the l_x function, the ${}_n d_x$ and ${}_n q_x$ functions are obtained by

$$_n d_x = l_x - l_{x+n} \qquad [2]$$

and

$$_n q_x = \frac{{}_n d_x}{l_x} \qquad [3]$$

with ${}_\infty q_{100} = 1.00$ and $l_{100} = l_{99} - d_{99}$ from the complete life table. The function ${}_n L_x$ is estimated from the T_x function by

$$_n L_x = T_x - T_{x+n} \qquad [4]$$

with

$$_\infty L_{100} = T_{100} = l_{100} \bullet e_{100} \qquad [5]$$

Because of the very small number of cause-specific deaths at ages over 100, the all-cause, multiple-decrement, and cause-elimination life table functions presented in this report are closed with the open-ended age category of 100 years and over.

Number of life table deaths by cause

The number of life table deaths due to the ith cause of death, $_nd_x^i$, was estimated by means of the approximation

$$_nd_x^i = {_nr_x^i} \bullet {_nd_x} \qquad [6]$$

where $_nd_x$ is the number of deaths in the age interval x to $x + n$ in the national life table, $_nd_x^i$ is the estimate of the number of life table deaths between ages x and $x + n$ due to the ith cause, and $_nr_x^i$ denotes the proportion of the deaths recorded during the 3-year period 1999–2001 in the age interval x to $x + n$ attributable to the ith cause of death adjusted for not-stated age, as shown by

$$_nr_x^i = \frac{_nD_x^i}{_nD_x} \bullet \frac{(D^i / D_a^i)}{(D / D_a)} \qquad [7]$$

where $_nD_x^i$ is the number of deaths recorded during the 3-year period 1999–2001 in the age interval x to $x + n$ attributable to the ith cause of death, $_nD_x$ is the number of deaths in the same age interval for all causes combined, D^i is the total number of deaths due to cause i, D_a^i is the total number of deaths due to cause i for which age is stated, D is the total number of deaths for all causes, and D_a is the total number of deaths for all causes for which age is stated.

The formula above was applied to $_nd_x$ for the age categories 0–1 year and 1–5 years, and by 5-year age intervals for ages 5–100 and over.

Probabilities of eventually dying by cause

The probability that an individual aged x will eventually die from the ith cause of death was calculated by

$$\psi_x^i = {_\infty q_x^i} = \frac{l_x^i}{l_x} \qquad [8]$$

where l_x is the number of survivors to age x in the life table for all causes of death combined and l_x^i is the aggregate number of life table deaths due to the ith cause at all ages x and over. The term l_x^i can also be denoted as

$$l_x^i = \sum_{y=x}^{100} {_nd_y^i} \qquad [9]$$

Hence, l_x^i is the sum of the $_nd_x^i$ values for all age intervals between age x and the end of the life table.

Note that, because the $_nd_x^i$ values represent a distribution of the $_nd_x$ deaths by cause, the l_x^i values represent a distribution of the l_x survivors according to their eventual deaths. A special case, the probability at birth of eventually dying from cause i, is given by

$$\psi_0^i = \frac{l_0^i}{l_0} \qquad [10]$$

Life tables eliminating specified causes of death

The first step in the calculation of life tables eliminating specified causes of death is the calculation of the probabilities of survival with the ith cause eliminated, $_np_x^{(-i)}$, for $x = 1,5,10,...,100$. These probabilities were estimated with the exponential formula (11,12)

$$_np_x^{(-i)} = {_np_x^{(1 - {_nr_x^i})}} \qquad [11]$$

where

$$_np_x = \frac{l_{x+n}}{l_x}$$

was calculated from the corresponding all-cause life table. Values of $l_x^{(-i)}$ were estimated successively starting with $l_0^{(-i)} = 100{,}000$ by

$$l_{x+n}^{(-i)} = {_np_x^{(-i)}} \bullet l_x^{(-i)} \qquad [12]$$

The age-specific probabilities of death eliminating the ith cause were then estimated by

$$_nq_x^{(-i)} = 1 - {_np_x^{(-i)}} \qquad [13]$$

This formula represents the probability that a person surviving to age x will die within n years if the ith cause of death is eliminated. This probability should not be confused with the multiple-decrement probability that a person aged x will die from any cause except the ith cause of death, which may be written as

$$_nq_x^{-i} = \frac{l_x - l_{x+n} - {_nd_x^i}}{l_x} \qquad [14]$$

The latter probability should be slightly less than the former, that is,

$$_nq_x^{(-i)} \geq {_nq_x^{-i}}$$

In the cause-elimination life table, it is assumed that cause i does not exist and so those who would have died from cause i are still exposed to the overall force of mortality. The probability of dying from any cause other than i in a multiple-decrement life table will necessarily be smaller because the probability does not include those who died from cause i but rather those who died from all other causes.

For ages 0, 1, 5, 10, ..., 100, the number of person-years lived in the age interval x to $x + n$ was estimated by

$$_nL_x^{(-i)} = (n - {_nf_x}) \bullet l_x^{(-i)} + {_nf_x} \bullet l_{x+n}^{(-i)} \qquad [15]$$

where $n = 1$ for $x = 0$, $n = 4$ for $x = 1$, and $n = 5$ for $x = 5, 10, ..., 100$, and the quantities $_nf_x$ were estimated from the all-cause life table by

$$_nf_x = \frac{n \bullet {_nl_x} - {_nL_x}}{l_x - l_{x+n}} \qquad [16]$$

The sole assumption made in deriving this approximation is that the average number of years lived by those who die within the age interval concerned, namely $n - {_nf_x}$, is the same in the life table eliminating the ith cause as in the all-cause life table.

A value for the life table population at ages 100 and over, $_\infty L_{100}^{(-i)}$, was needed in the calculation of life expectancies. This function was estimated by

$$_\infty L_{100}^{(-i)} = T_{100}^{(-i)} = \frac{e_{100} \bullet l_{100}^{(-i)}}{1 - {_\infty r_{100}^i}} \qquad [17]$$

The values of e_{100} by race and sex were given in the first panel of Tables 1–7.

With the value of $T_{100}^{(-i)}$ available, values of $T_x^{(-i)}$ for successively younger ages were calculated by

$$T_x^{(-i)} = T_{x+n}^{(-i)} + {}_nL_x^{(-i)} \qquad [18]$$

Finally, the values of $e_x^{(-i)}$ were obtained by

$$e_x^{(-i)} = \frac{T_x^{(-i)}}{l_x^{(-i)}} \qquad [19]$$

The gain in life expectancy due to the elimination of a specified cause of death was taken as the difference between life expectancy in the life table eliminating this cause of death and life expectancy at the same age in the all-cause life table. The gain due to the elimination of the ith cause is estimated by

$$g_x^{(-i)} = e_x^{(-i)} - e_x \qquad [20]$$

For the gain in life expectancy for those who would have died from cause i,

$$\psi_x^{(-i)} = \frac{e_x^{(-i)} - e_x}{\psi_x^i} \qquad [21]$$

The accuracy of the estimated gain in life expectancy decreases as the gain itself increases. For example, the estimated gain from elimination of Motor vehicle accidents is small and may be regarded as reasonably accurate; however, the much larger estimated gain from elimination of cancer or heart disease should be regarded as less accurate.

This difference in degree of accuracy is due principally to two factors. In general, the accuracy of the approximations used in the calculation varies with the postulated change in the death rates. The larger the assumed change, the smaller the accuracy of these approximations. In addition, most of the large gains in life expectancy are possible only at older ages, and as is observed from the methodology in this report and in the report on methodology for the life table for all causes combined (2), the accuracy of death rates and of the approximations used is less for the older than for the younger ages.

Results

A comparison is made in Table A of the probabilities at birth of eventually dying from the specified causes. By this measure, the principal causes of death include the two leading causes of death in 1999–2001: heart disease and cancer. From birth, a person has a 31% chance of dying from heart disease and a 22% chance of dying of a malignant neoplasm. In contrast, the probabilities of dying of Accidents (unintentional injuries), diabetes, and Septicemia—all three among the 10 leading causes of death in 1991–2001—are much smaller. The chance of dying from unintentional injuries and diabetes is about 3% each, and from Septicemia is about 1%.

Table A shows these probabilities for several race-sex groups, but the interpretations of differences in these probabilities by sex or race are not straightforward. It is possible for two groups of persons to experience identical death rates for one specified cause and yet have different probabilities of eventually dying from that cause. These probabilities depend significantly on the mortality level from the remaining causes of death. Thus, they are an acceptable measure of the importance of each cause of death within a single group of persons, but they provide only a general guide with respect to comparisons between different groups. This cautionary note also applies to trend comparisons of the same group of persons.

In Table B, the gains in life expectancy at birth are shown for all of the selected causes of death. Heart disease and cancer are again of principal importance. Elimination of heart disease would increase life expectancy at birth by almost 4 years, and elimination of cancer by more than 3 years. Other leading causes of death have a much smaller impact. The elimination of unintentional injuries, for example, would increase life expectancy by almost 1 year. Diabetes and Septicemia, if eliminated, would increase life expectancy at birth by only about 3 months and 1 month, respectively. Table B suggests that future increases in life expectancy will have to come mainly from reduction in mortality due to heart disease and cancer because of the relatively large number of deaths associated with these two causes, which accounted for 53% of all deaths in the United States during 1999–2001. The elimination of other causes of death does not seem to have a large impact on life expectancy for the overall population due to the smaller number of deaths associated with these other causes.

Note that the gains are not additive. That is, the sum of the gains from two causes or more is not equal to the gain from eliminating the combination of those causes. For example, the gain in life expectancy due to the elimination of deaths from unintentional injuries is slightly less than the sum of the gains due to the elimination of deaths from Motor vehicle accidents and All other accidents. To illustrate, if two causes were being eliminated jointly, it would be possible to make the calculations in two stages: first computing the gain with respect to one of the component causes and then calculating the gain with respect to the second cause given that the first cause was already eliminated. This necessary assumption of prior elimination of the first cause increases the numerical value of the additional gain with respect to the second cause because the number of survivors at each age in the life table is greater with the first cause eliminated than with all causes operating.

Table C shows the gain in life expectancy at birth for those who would have died from a particular cause of death. By this measure, heart disease and cancer are no longer of principal importance. Eliminating heart disease would increase life expectancy at birth by nearly 12 years for those who would otherwise have died of heart disease. For those who would have died of cancer, the gain is almost 15 years. For unintentional injuries, homicide, and Human immunodeficiency virus (HIV) disease, which disproportionately affect the younger population, the gains in life expectancy are larger: 26.70, 44.13, and 34.70 years, respectively, for those who would have died from these causes. In the case of congenital malformations, which affect primarily those in the first year of life, the gain in life expectancy is very large. If congenital malformations were eliminated, those who would otherwise have died from this cause would live an additional 55.43 years on average.

Table A. Probability at birth of eventually dying from specified causes of death, by race and sex: United States, 1999–2001

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Cause of death (based on ICD–10, 2004)	Total population	Male	Female	White male	White female	Black male	Black female
Septicemia . . . . (A40–41)	0.013317	0.012111	0.014428	0.011157	0.013295	0.019962	0.024400
Human immunodeficiency virus (HIV) disease . . . . (B20–B24)	0.003578	0.005394	0.001760	0.003181	0.000668	0.022732	0.009076
Malignant neoplasms . . . . (C00–C97)	0.219744	0.240266	0.203478	0.240528	0.205487	0.247046	0.197778
Malignant neoplasms of colon, rectum and anus . . . . (C18–C21)	0.023486	0.024123	0.022982	0.024123	0.022710	0.024688	0.025966
Malignant neoplasm of pancreas . . . . . . (C25)	0.011865	0.011772	0.011940	0.011858	0.011789	0.011581	0.013411
Malignant neoplasms of trachea, bronchus and lung . . . . (C33–C34)	0.061157	0.074449	0.049453	0.075034	0.051251	0.075160	0.039954
Malignant neoplasm of breast . . . . (C50)	0.015940	0.000339	0.030309	0.000327	0.030295	0.000469	0.033024
Malignant neoplasm of prostate . . . . (C61)	0.013711	0.030202	. . .	0.028265	. . .	0.047491	. . .
Diabetes mellitus . . . . (E10–E14)	0.028566	0.026812	0.030192	0.025603	0.027290	0.035789	0.052743
Alzheimer's disease . . . . (G30)	0.023914	0.015296	0.031214	0.016256	0.032909	0.007759	0.017671
Major cardiovascular diseases . . . . (I00–I78)	0.414854	0.396257	0.430358	0.398811	0.428609	0.370472	0.437852
Diseases of heart . . . . (I00–I09,I11,I13,I20–I51)	0.313838	0.311643	0.315079	0.315345	0.314649	0.282852	0.317509
Hypertensive heart disease . . . .(I11)	0.010128	0.008148	0.011694	0.006821	0.010305	0.018752	0.022800
Ischemic heart diseases . . . . (I20–I25)	0.227492	0.235498	0.219936	0.240717	0.220742	0.194259	0.212627
Acute myocardial infarction . . . . . (I21–I22)	0.082878	0.088388	0.077893	0.090830	0.077956	0.070381	0.078357
Other heart diseases . . . . (I26–I51)	0.073442	0.065986	0.079980	0.065984	0.080337	0.066519	0.077159
Heart failure . . . .(I50)	0.026639	0.021597	0.031090	0.022159	0.031805	0.017239	0.025361
Essential (primary) hypertension and hypertensive renal disease . . . . (I10,I12)	0.008083	0.006298	0.009616	0.005482	0.008596	0.012413	0.017508
Cerebrovascular diseases . . . . (I60–I69)	0.074827	0.060487	0.087304	0.059535	0.086744	0.062455	0.086525
Influenza and pneumonia . . . . (J10–J18)	0.029685	0.028007	0.031570	0.028245	0.032171	0.023105	0.024683
Chronic lower respiratory diseases . . . .(J40–J47)	0.052608	0.055588	0.050799	0.058295	0.054467	0.034533	0.024356
Pneumonitis due to solids and liquids . . . . (J69)	0.007634	0.008405	0.007165	0.008602	0.007232	0.006635	0.006603
Chronic liver disease and cirrhosis . . . . (K70,K73–K74)	0.008938	0.011506	0.006458	0.011784	0.006580	0.010142	0.005286
Nephritis, nephrotic syndrome and nephrosis . . . . . . (N00–N07,N17–N19,N25–N27)	0.016260	0.016649	0.016191	0.015702	0.014574	0.023825	0.028984
Congenital malformations, deformations, and chromosomal abnormalities . . . . (Q00–Q99)	0.002898	0.002945	0.002847	0.002924	0.002822	0.003279	0.003105
Accidents (unintentional injuries) . . . . (V01–X59,Y85–Y86)	0.031636	0.039798	0.023608	0.040158	0.024157	0.040338	0.019429
Motor vehicle accidents[1].	0.012258	0.016456	0.008106	0.016682	0.008316	0.016546	0.006659
All other accidents[2].	0.019379	0.023343	0.015501	0.023478	0.015840	0.023793	0.012769
Intentional self-harm (suicide) . . . . (*U03,X60–X84,Y87.0)	0.008456	0.013882	0.003216	0.015077	0.003541	0.006858	0.001264
Assault (homicide). . . . (*U01–*U02,X85–Y09,Y87.1)	0.004603	0.006893	0.002250	0.004229	0.001757	0.024209	0.005159
Alcohol-induced causes . . . . (F10,G31.2, G62.1,I42.6,K29.2,K70,R78.0,X45,X65,Y15)	0.005928	0.009157	0.002798	0.009007	0.002713	0.010983	0.003337
Drug-induced causes[3]	0.005082	0.006616	0.003524	0.006610	0.003646	0.008900	0.003589
Injury by firearms . . . . (*U01.4,W32–W34, X72–X74,X93–X95,Y22–Y24,Y35.0)	0.008073	0.014035	0.002220	0.012690	0.002151	0.023638	0.002803

. . . Category not applicable.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table B. Gain in life expectancy at birth due to eliminating specified causes of death, by race and sex: United States, 1999–2001

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Cause of death (based on ICD–10, 2004)	Total population	Male	Female	White male	White female	Black male	Black female
Septicemia . . . . (A40–41)	0.14	0.13	0.15	0.11	0.14	0.23	0.29
Human immunodeficiency virus (HIV) disease . . . . (B20–B24)	0.12	0.17	0.07	0.10	0.03	0.63	0.32
Malignant neoplasms . . . . (C00–C97)	3.20	3.21	3.11	3.19	3.13	3.43	3.17
Malignant neoplasms of colon, rectum and anus . . . . (C18–C21)	0.28	0.27	0.27	0.27	0.27	0.29	0.33
Malignant neoplasm of pancreas . . . . . . (C25)	0.15	0.14	0.15	0.14	0.15	0.14	0.17
Malignant neoplasms of trachea, bronchus and lung . . . . (C33–C34)	0.85	0.94	0.73	0.94	0.75	0.97	0.60
Malignant neoplasm of breast . . . . (C50)	0.23	0.00	0.49	0.00	0.48	0.01	0.57
Malignant neoplasm of prostate . . . . (C61)	0.12	0.24	. . .	0.21	. . .	0.40	. . .
Diabetes mellitus . . . . (E10–E14)	0.34	0.32	0.36	0.29	0.32	0.45	0.67
Alzheimer's disease . . . . (G30)	0.14	0.09	0.19	0.09	0.20	0.05	0.12
Major cardiovascular diseases . . . . (I00–I78)	5.48	5.21	5.38	5.11	5.19	5.67	6.80
Diseases of heart . . . . (I00–I09,I11,I13,I20–I51)	3.71	3.81	3.41	3.76	3.29	3.99	4.29
Hypertensive heart disease . . . . (I11)	0.11	0.10	0.11	0.08	0.08	0.26	0.28
Ischemic heart diseases . . . . (I20–I25)	2.46	2.66	2.11	2.69	2.07	2.43	2.48
Acute myocardial infarction . . . . (I21–I22)	0.87	0.95	0.73	0.97	0.71	0.80	0.86
Other heart diseases . . . . (I26–I51)	0.72	0.67	0.73	0.64	0.70	0.87	0.95
Heart failure . . . . (I50)	0.19	0.15	0.21	0.15	0.21	0.16	0.22
Essential (primary) hypertension and hypertensive renal disease . . . . (I10,I12)	0.07	0.06	0.08	0.04	0.07	0.14	0.19
Cerebrovascular diseases . . . . (I60–I69)	0.65	0.53	0.75	0.50	0.71	0.69	0.94
Influenza and pneumonia . . . . (J10–J18)	0.23	0.22	0.24	0.20	0.24	0.24	0.24
Chronic lower respiratory diseases . . . . (J40–J47)	0.55	0.52	0.56	0.54	0.60	0.37	0.32
Pneumonitis due to solids and liquids . . . . (J69)	0.06	0.06	0.05	0.05	0.05	0.06	0.06
Chronic liver disease and cirrhosis . . . . (K70,K73–K74)	0.18	0.22	0.12	0.22	0.12	0.19	0.11
Nephritis, nephrotic syndrome and nephrosis . . . . . . (N00–N07,N17–N19,N25–N27)	0.16	0.15	0.16	0.13	0.14	0.27	0.35
Congenital malformations, deformations, and chromosomal abnormalities . . . . (Q00–Q99)	0.15	0.15	0.15	0.15	0.15	0.17	0.18
Accidents (unintentional injuries) . . . . (V01–X59,Y85–Y86)	0.84	1.10	0.54	1.11	0.55	1.10	0.51
Motor vehicle accidents[1]	0.44	0.56	0.28	0.57	0.29	0.52	0.24
All other accidents[2]	0.41	0.53	0.25	0.53	0.25	0.57	0.27
Intentional self-harm (suicide) . . . . (*U03,X60–X84,Y87.0)	0.26	0.40	0.11	0.43	0.12	0.22	0.04
Assault (homicide) . . (*U01–*U02,X85–Y09,Y87.1)	0.20	0.29	0.10	0.17	0.07	0.96	0.22
Alcohol-induced causes . . . . (F10,G31.2, G62.1,I42.6,K29.2,K70,R78.0,X45,X65,Y15)	0.14	0.20	0.07	0.20	0.07	0.21	0.08
Drug-induced causes[3]	0.18	0.23	0.12	0.23	0.13	0.25	0.12
Injury by firearms . . . . (*U01.4,W32–W34, X72–X74,X93–X95,Y22–Y24,Y35.0)	0.29	0.46	0.08	0.38	0.08	0.94	0.12

0.00 Quantity more than zero but less than 0.005.

. . . Category not applicable.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table C. Gain in life expectancy at birth due to eliminating specified causes of death for those who would have died, by race and sex: United States, 1999–2001

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Cause of death (based on ICD–10, 2004)	Total population	Male	Female	White male	White female	Black male	Black female
Septicemia . . . . (A40–41)	10.85	10.76	10.71	9.97	10.25	11.72	11.91
Human immunodeficiency virus (HIV)							
disease . . . . (B20–B24)	34.70	31.89	38.60	31.17	38.58	27.54	35.05
Malignant neoplasms . . . . (C00–C97)	14.56	13.37	15.28	13.26	15.21	13.90	16.01
Malignant neoplasms of colon,							
rectum and anus. . . . . (C18–C21)	11.86	11.39	11.85	11.12	11.68	11.79	12.74
Malignant neoplasm of pancreas . . . . (C25)	12.56	12.31	12.40	11.94	12.37	12.35	12.55
Malignant neoplasms of trachea,							
bronchus and lung. . . . . (C33–C34)	13.93	12.68	14.66	12.55	14.69	12.90	15.02
Malignant neoplasm of breast . . . . (C50)	14.65	12.16	16.10	11.90	15.85	12.62	17.39
Malignant neoplasm of							
prostate . . . . (C61)	8.95	7.79	. . .	7.48	. . .	8.43	. . .
Diabetes mellitus . . . . (E10–E14)	11.98	11.75	11.90	11.33	11.57	12.53	12.78
Alzheimer's disease. . . . . (G30)	6.00	5.86	6.12	5.60	6.11	6.15	6.53
Major cardiovascular							
diseases . . . . (I00–I78)	13.21	13.14	12.50	12.81	12.11	15.31	15.54
Diseases of heart. . . . . (I00–I09,I11,I13,I20–I51)	11.83	12.21	10.81	11.94	10.46	14.11	13.52
Hypertensive heart disease . . . .(I11)	10.47	12.42	9.06	11.00	7.99	13.65	12.10
Ischemic heart diseases . . . . (I20–I25)	10.80	11.31	9.61	11.16	9.36	12.49	11.67
Acute myocardial infarction . . . . . (I21–I22)	10.45	10.80	9.37	10.72	9.17	11.36	10.95
Other heart diseases . . . . (I26–I51)	9.75	10.20	9.10	9.68	8.66	13.03	12.28
Heart failure . . . .(I50)	6.96	7.09	6.73	6.70	6.52	9.00	8.79
Essential (primary) hypertension and							
hypertensive renal disease . . . . (I10,I12)	8.83	9.43	8.42	7.93	7.66	11.31	10.74
Cerebrovascular diseases . . . . (I60–I69)	8.75	8.84	8.59	8.37	8.24	11.09	10.88
Influenza and pneumonia . . . .(J10–J18)	7.82	7.73	7.56	7.25	7.32	10.33	9.68
Chronic lower respiratory							
diseases . . . .(J40–J47)	10.43	9.42	10.99	9.25	10.94	10.67	13.04
Pneumonitis due to solids and							
liquids . . . . (J69)	7.36	6.90	7.25	6.28	7.15	8.44	8.41
Chronic liver disease and							
cirrhosis . . . . (K70,K73–K74)	19.62	19.02	18.78	18.63	18.48	18.78	20.96
Nephritis, nephrotic syndrome and							
nephrosis . . . . . . (N00–N07,N17–N19,N25–N27)	9.81	9.12	10.03	8.26	9.35	11.32	11.97
Congenital malformations, deformations, and							
chromosomal abnormalities. . . . . (Q00–Q99)	53.43	52.39	54.13	50.68	53.21	52.86	57.50
Accidents (unintentional							
injuries) . . . . (V01–X59,Y85–Y86)	26.70	27.70	22.80	27.72	22.58	27.31	26.31
Motor vehicle accidents[1].	35.50	34.16	35.12	34.33	35.35	31.59	35.84
All other accidents[2].	20.92	22.84	16.24	22.56	15.77	24.01	21.23
Intentional self-harm							
(suicide) . . . . (*U03,X60–X84,Y87.0)	31.16	28.66	33.29	28.46	33.51	31.86	34.73
Assault (homicide). . . (*U01–*U02,X85–Y09,Y87.1)	44.13	42.56	43.42	39.89	42.08	39.82	42.85
Alcohol-induced causes . . . . (F10,G31.2,							
G62.1,I42.6,K29.2,K70,R78.0,X45,X65,Y15)	23.94	21.94	25.64	21.68	25.54	19.31	24.42
Drug-induced causes[3]	35.45	34.56	34.75	34.96	35.06	28.12	33.03
Injury by firearms . . . . (*U01.4,W32–W34,							
X72–X74,X93–X95,Y22–Y24,Y35.0)	35.55	32.90	38.07	29.64	36.66	39.66	42.43

. . . Category not applicable.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

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List of Detailed Tables

Table 1. Abridged life tables for all causes of death combined and eliminating specified causes, for the total population: United States, 1999–2001

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and $x + n$			Number surviving to age x	Person-years lived between ages x and $x + n$	
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Eliminating no cause				Septicemia (A40–A41)			
0–1	0.006948	100,000	99,436	76.86	0.006876	100,000	99,442	77.00
1–5	0.001301	99,305	396,915	76.40	0.001276	99,312	396,950	76.54
5–10	0.000798	99,176	495,668	72.49	0.000788	99,186	495,719	72.63
10–15	0.000998	99,097	495,297	67.55	0.000990	99,107	495,351	67.69
15–20	0.003374	98,998	494,240	62.61	0.003363	99,009	494,299	62.75
20–25	0.004678	98,664	492,182	57.82	0.004658	98,676	492,248	57.95
25–30	0.004598	98,203	489,891	53.08	0.004572	98,217	489,968	53.21
30–35	0.005627	97,751	487,448	48.31	0.005585	97,768	487,541	48.45
35–40	0.008018	97,201	484,172	43.57	0.007949	97,222	484,291	43.70
40–45	0.011905	96,422	479,413	38.90	0.011789	96,449	479,575	39.03
45–50	0.017552	95,274	472,428	34.34	0.017359	95,312	472,660	34.47
50–55	0.025310	93,601	462,433	29.90	0.025016	93,657	462,773	30.03
55–60	0.039351	91,232	447,786	25.61	0.038891	91,314	448,286	25.73
60–65	0.060609	87,642	425,732	21.55	0.059895	87,763	426,465	21.66
65–70	0.090362	82,330	393,994	17.77	0.089248	82,506	395,054	17.88
70–75	0.136824	74,891	350,160	14.27	0.135127	75,143	351,641	14.37
75–80	0.212848	64,644	290,184	11.12	0.210151	64,989	292,154	11.21
80–85	0.321699	50,885	214,107	8.42	0.317933	51,332	216,464	8.49
85–90	0.464127	34,515	131,560	6.22	0.459253	35,012	133,889	6.27
90–95	0.628052	18,496	61,009	4.49	0.622998	18,932	62,708	4.53
95–100	0.784987	6,879	18,610	3.19	0.780740	7,138	19,397	3.22
100 and over	1.000000	1,479	3,356	2.27	1.000000	1,565	3,591	2.29
	Human immunodeficiency virus (HIV) disease (B20–B24)				Malignant neoplasms (C00–C97)			
0–1	0.006945	100,000	99,436	76.98	0.006929	100,000	99,438	80.06
1–5	0.001297	99,306	396,917	76.52	0.001195	99,307	396,948	79.62
5–10	0.000792	99,177	495,673	72.62	0.000677	99,188	495,762	75.71
10–15	0.000991	99,098	495,305	67.67	0.000872	99,121	495,443	70.76
15–20	0.003365	99,000	494,252	62.74	0.003191	99,035	494,465	65.82
20–25	0.004634	98,667	492,206	57.94	0.004422	98,719	492,518	61.02
25–30	0.004428	98,210	489,968	53.20	0.004241	98,282	490,376	56.28
30–35	0.005202	97,775	487,665	48.42	0.005004	97,866	488,164	51.51
35–40	0.007391	97,266	484,640	43.66	0.006796	97,376	485,323	46.76
40–45	0.011213	96,547	480,194	38.97	0.009473	96,714	481,420	42.06
45–50	0.016938	95,465	473,513	34.38	0.012926	95,798	476,072	37.43
50–55	0.024876	93,848	463,745	29.93	0.017108	94,560	468,992	32.89
55–60	0.039064	91,513	449,225	25.62	0.025152	92,942	459,256	28.42
60–65	0.060418	87,938	427,209	21.56	0.038349	90,604	444,858	24.08
65–70	0.090240	82,625	395,429	17.77	0.058812	87,130	423,486	19.93
70–75	0.136757	75,169	351,473	14.28	0.094589	82,005	391,636	16.02
75–80	0.212813	64,889	291,290	11.12	0.160734	74,249	342,589	12.41
80–85	0.321686	51,080	214,931	8.42	0.265758	62,314	270,785	9.29
85–90	0.464122	34,648	132,068	6.22	0.413060	45,754	180,380	6.74
90–95	0.628046	18,567	61,245	4.49	0.590341	26,855	91,325	4.77
95–100	0.784980	6,906	18,683	3.19	0.761933	11,001	30,502	3.34
100 and over	1.000000	1,485	3,370	2.27	1.000000	2,619	6,199	2.37

Table 1. Abridged life tables for all causes of death combined and eliminating specified causes, for the total population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table01.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasms of colon, rectum and anus (C18–C21)				Malignant neoplasm of pancreas (C25)			
0–1	0.006948	100,000	99,436	77.14	0.006947	100,000	99,436	77.01
1–5	0.001301	99,305	396,915	76.68	0.001301	99,305	396,915	76.55
5–10	0.000798	99,176	495,668	72.77	0.000798	99,176	495,668	72.64
10–15	0.000997	99,097	495,297	67.83	0.000998	99,097	495,297	67.70
15–20	0.003371	98,998	494,241	62.90	0.003373	98,998	494,240	62.76
20–25	0.004669	98,664	492,186	58.10	0.004677	98,664	492,183	57.97
25–30	0.004577	98,204	489,902	53.36	0.004595	98,203	489,893	53.23
30–35	0.005579	97,754	487,476	48.59	0.005617	97,751	487,453	48.46
35–40	0.007914	97,209	484,236	43.85	0.007983	97,202	484,187	43.72
40–45	0.011706	96,440	479,548	39.18	0.011814	96,426	479,458	39.05
45–50	0.017141	95,311	472,704	34.61	0.017343	95,287	472,542	34.49
50–55	0.024583	93,677	462,967	30.17	0.024885	93,635	462,691	30.05
55–60	0.038112	91,374	448,746	25.86	0.038609	91,305	448,298	25.75
60–65	0.058628	87,892	427,353	21.78	0.059427	87,779	426,642	21.68
65–70	0.087520	82,739	396,507	17.97	0.088674	82,563	395,438	17.88
70–75	0.132876	75,497	353,703	14.45	0.134560	75,242	352,205	14.36
75–80	0.207632	65,466	294,693	11.26	0.210018	65,117	292,751	11.19
80–85	0.315486	51,873	219,060	8.53	0.318659	51,441	216,835	8.47
85–90	0.457435	35,508	135,952	6.29	0.461428	35,049	133,837	6.24
90–95	0.622103	19,265	63,858	4.53	0.626063	18,876	62,367	4.50
95–100	0.780965	7,280	19,780	3.22	0.783828	7,059	19,119	3.20
100 and over	1.000000	1,595	3,646	2.29	1.000000	1,526	3,470	2.27
	Malignant neoplasms of trachea, bronchus and lung (C33–C34)				Malignant neoplasm of breast (C50)			
0–1	0.006948	100,000	99,436	77.71	0.006948	100,000	99,436	77.09
1–5	0.001301	99,305	396,915	77.25	0.001301	99,305	396,915	76.63
5–10	0.000797	99,176	495,668	73.35	0.000798	99,176	495,668	72.73
10–15	0.000997	99,097	495,298	68.41	0.000998	99,097	495,297	67.79
15–20	0.003372	98,998	494,241	63.48	0.003373	98,998	494,240	62.85
20–25	0.004673	98,664	492,184	58.68	0.004675	98,664	492,183	58.05
25–30	0.004588	98,203	489,897	53.94	0.004576	98,203	489,898	53.31
30–35	0.005594	97,753	487,464	49.18	0.005538	97,753	487,481	48.55
35–40	0.007875	97,206	484,229	44.44	0.007805	97,212	484,276	43.80
40–45	0.011441	96,440	479,611	39.77	0.011502	96,453	479,662	39.13
45–50	0.016537	95,337	472,970	35.20	0.016886	95,344	472,926	34.55
50–55	0.023170	93,760	463,690	30.75	0.024286	93,734	463,314	30.10
55–60	0.034873	91,588	450,488	26.42	0.037992	91,458	449,182	25.78
60–65	0.053052	88,394	430,953	22.28	0.058962	87,983	427,727	21.70
65–70	0.079340	83,705	402,760	18.38	0.088429	82,795	396,599	17.89
70–75	0.122706	77,063	362,898	14.73	0.134439	75,474	353,313	14.37
75–80	0.197480	67,607	305,981	11.43	0.209946	65,327	293,707	11.19
80–85	0.308248	54,256	230,091	8.60	0.318425	51,612	217,584	8.48
85–90	0.454791	37,532	143,956	6.30	0.460677	35,177	134,395	6.25
90–95	0.623113	20,463	67,771	4.52	0.624912	18,972	62,741	4.51
95–100	0.782792	7,712	20,912	3.21	0.782483	7,116	19,303	3.21
100 and over	1.000000	1,675	3,815	2.28	1.000000	1,548	3,533	2.28

Table 1. Abridged life tables for all causes of death combined and eliminating specified causes, for the total population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table01.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

| Age (years) | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x |
| | | Number surviving to age x | Person-years lived between ages x and $x + n$ | | | Number surviving to age x | Person-years lived between ages x and $x + n$ | |
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasm of prostate (C61)				Diabetes mellitus (E10–E14)			
0–1	0.006948	100,000	99,436	76.98	0.006947	100,000	99,436	77.20
1–5	0.001301	99,305	396,915	76.52	0.001300	99,305	396,916	76.74
5–10	0.000798	99,176	495,668	72.62	0.000796	99,176	495,670	72.84
10–15	0.000998	99,097	495,297	67.67	0.000992	99,097	495,300	67.89
15–20	0.003374	98,998	494,240	62.74	0.003362	98,999	494,248	62.96
20–25	0.004677	98,664	492,182	57.94	0.004650	98,666	492,200	58.16
25–30	0.004598	98,203	489,891	53.20	0.004546	98,207	489,929	53.42
30–35	0.005627	97,751	487,448	48.44	0.005532	97,761	487,521	48.65
35–40	0.008017	97,201	484,172	43.70	0.007862	97,220	484,304	43.91
40–45	0.011899	96,422	479,415	39.03	0.011634	96,456	479,645	39.24
45–50	0.017526	95,274	472,437	34.47	0.017067	95,334	472,835	34.67
50–55	0.025231	93,604	462,465	30.03	0.024463	93,707	463,140	30.22
55–60	0.039122	91,243	447,886	25.74	0.037904	91,414	448,988	25.92
60–65	0.060044	87,673	425,998	21.68	0.058301	87,949	427,701	21.83
65–70	0.089170	82,409	394,603	17.90	0.086973	82,822	397,012	18.02
70–75	0.134681	75,060	351,334	14.39	0.132102	75,619	354,409	14.49
75–80	0.209302	64,951	292,116	11.22	0.206400	65,629	295,623	11.29
80–85	0.316731	51,357	216,722	8.51	0.313856	52,083	220,157	8.55
85–90	0.458636	35,090	134,246	6.27	0.456009	35,737	136,958	6.30
90–95	0.623712	18,997	62,885	4.52	0.621073	19,440	64,493	4.54
95–100	0.782420	7,148	19,391	3.21	0.780031	7,366	20,035	3.22
100 and over	1.000000	1,555	3,545	2.28	1.000000	1,620	3,716	2.29
	Alzheimer's disease (G30)				Major cardiovascular diseases (I00–I78)			
0–1	0.006948	100,000	99,436	77.00	0.006792	100,000	99,449	82.34
1–5	0.001301	99,305	396,915	76.54	0.001238	99,321	396,992	81.90
5–10	0.000798	99,176	495,668	72.64	0.000764	99,198	495,787	78.00
10–15	0.000998	99,097	495,297	67.69	0.000944	99,122	495,433	73.06
15–20	0.003374	98,998	494,240	62.76	0.003251	99,029	494,420	68.13
20–25	0.004678	98,664	492,182	57.96	0.004466	98,707	492,446	63.34
25–30	0.004598	98,203	489,891	53.22	0.004263	98,266	490,288	58.61
30–35	0.005627	97,751	487,448	48.46	0.005000	97,847	488,072	53.85
35–40	0.008018	97,201	484,172	43.72	0.006783	97,358	485,236	49.11
40–45	0.011904	96,422	479,413	39.05	0.009450	96,697	481,342	44.43
45–50	0.017547	95,274	472,430	34.49	0.013214	95,784	475,936	39.82
50–55	0.025297	93,602	462,439	30.06	0.018065	94,518	468,572	35.32
55–60	0.039299	91,234	447,806	25.77	0.027252	92,810	458,151	30.92
60–65	0.060458	87,649	425,794	21.71	0.041253	90,281	442,656	26.72
65–70	0.089959	82,350	394,165	17.94	0.060638	86,557	420,326	22.75
70–75	0.135598	74,942	350,615	14.45	0.089478	81,308	389,291	19.05
75–80	0.209360	64,780	291,336	11.31	0.133627	74,033	346,412	15.66
80–85	0.313697	51,217	216,517	8.61	0.193664	64,140	290,107	12.68
85–90	0.450662	35,151	135,194	6.39	0.271546	51,718	222,634	10.11
90–95	0.610533	19,310	64,610	4.63	0.369398	37,674	150,670	7.98
95–100	0.768845	7,520	20,699	3.30	0.491195	23,758	84,673	6.31
100 and over	1.000000	1,738	4,102	2.36	1.000000	12,088	65,133	5.39

Table 1. Abridged life tables for all causes of death combined and eliminating specified causes, for the total population: United States, 1999–2001—Con.

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Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Diseases of heart (I00–I09,I11,I13,I20–I51)				Hypertensive heart disease (I11)			
0–1	0.006824	100,000	99,446	80.57	0.006948	100,000	99,436	76.97
1–5	0.001251	99,318	396,976	80.13	0.001301	99,305	396,915	76.50
5–10	0.000772	99,193	495,762	76.22	0.000798	99,176	495,668	72.60
10–15	0.000957	99,117	495,404	71.28	0.000998	99,097	495,297	67.66
15–20	0.003274	99,022	494,382	66.35	0.003372	98,998	494,240	62.72
20–25	0.004513	98,698	492,390	61.56	0.004671	98,664	492,184	57.92
25–30	0.004337	98,252	490,204	56.82	0.004583	98,203	489,899	53.18
30–35	0.005133	97,826	487,938	52.06	0.005588	97,753	487,469	48.42
35–40	0.007039	97,324	485,010	47.31	0.007944	97,207	484,220	43.68
40–45	0.009943	96,639	480,940	42.63	0.011757	96,435	479,513	39.00
45–50	0.014044	95,678	475,225	38.03	0.017315	95,301	472,617	34.44
50–55	0.019335	94,334	467,381	33.54	0.024975	93,651	462,751	30.00
55–60	0.029352	92,511	456,218	29.15	0.038884	91,312	448,277	25.70
60–65	0.044847	89,795	439,515	24.95	0.060013	87,761	426,434	21.63
65–70	0.066655	85,768	415,271	20.99	0.089624	82,495	394,925	17.84
70–75	0.100255	80,051	381,228	17.31	0.135834	75,101	351,320	14.34
75–80	0.153899	72,026	333,515	13.94	0.211338	64,900	291,568	11.18
80–85	0.229451	60,941	270,267	11.00	0.319324	51,184	215,667	8.48
85–90	0.328935	46,958	195,242	8.53	0.460514	34,840	133,120	6.26
90–95	0.450718	31,512	119,082	6.51	0.623213	18,796	62,244	4.53
95–100	0.589404	17,309	56,721	4.97	0.779829	7,082	19,265	3.23
100 and over	1.000000	7,107	29,273	4.12	1.000000	1,559	3,597	2.31
	Ischemic heart diseases (I20–I25)				Acute myocardial infarction (I21–I22)			
0–1	0.006941	100,000	99,437	79.32	0.006944	100,000	99,436	77.73
1–5	0.001299	99,306	396,918	78.87	0.001301	99,306	396,917	77.27
5–10	0.000796	99,177	495,673	74.97	0.000797	99,176	495,670	73.37
10–15	0.000995	99,098	495,303	70.03	0.000997	99,097	495,300	68.42
15–20	0.003364	98,999	494,249	65.10	0.003369	98,999	494,244	63.49
20–25	0.004651	98,666	492,200	60.31	0.004667	98,665	492,190	58.69
25–30	0.004533	98,207	489,931	55.58	0.004571	98,205	489,908	53.96
30–35	0.005442	97,762	487,547	50.82	0.005549	97,756	487,490	49.19
35–40	0.007521	97,230	484,432	46.08	0.007817	97,213	484,280	44.45
40–45	0.010729	96,499	480,064	41.41	0.011405	96,453	479,684	39.78
45–50	0.015207	95,464	473,897	36.83	0.016524	95,353	473,054	35.21
50–55	0.021013	94,012	465,411	32.36	0.023452	93,778	463,713	30.76
55–60	0.031930	92,036	453,326	28.00	0.036121	91,578	450,174	26.43
60–65	0.048707	89,098	435,293	23.83	0.055435	88,270	429,856	22.32
65–70	0.072405	84,758	409,224	19.92	0.082779	83,377	400,504	18.48
70–75	0.109242	78,621	372,742	16.27	0.125760	76,475	359,574	14.91
75–80	0.168938	70,032	321,756	12.94	0.196092	66,858	302,812	11.68
80–85	0.254970	58,201	254,458	10.04	0.297815	53,748	229,315	8.89
85–90	0.370454	43,362	175,680	7.61	0.433431	37,741	146,821	6.58
90–95	0.511573	27,298	98,658	5.65	0.595401	21,383	72,423	4.76
95–100	0.664180	13,333	40,778	4.17	0.757134	8,651	24,108	3.38
100 and over	1.000000	4,478	14,756	3.30	1.000000	2,101	5,150	2.45

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Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Other heart diseases (I26–I51)				Heart failure (I50)			
0–1	0.006832	100,000	99,445	77.58	0.006942	100,000	99,436	77.05
1–5	0.001254	99,317	396,972	77.11	0.001298	99,306	396,918	76.58
5–10	0.000774	99,192	495,756	73.20	0.000796	99,177	495,673	72.68
10–15	0.000961	99,115	495,397	68.26	0.000996	99,098	495,303	67.74
15–20	0.003286	99,020	494,370	63.32	0.003369	98,999	494,247	62.80
20–25	0.004549	98,695	492,367	58.52	0.004674	98,666	492,191	58.00
25–30	0.004423	98,246	490,150	53.78	0.004590	98,205	489,903	53.26
30–35	0.005369	97,811	487,809	49.00	0.005617	97,754	487,464	48.50
35–40	0.007629	97,286	484,686	44.25	0.007998	97,205	484,196	43.76
40–45	0.011300	96,544	480,159	39.57	0.011864	96,427	479,451	39.09
45–50	0.016672	95,453	473,516	35.00	0.017475	95,283	472,493	34.53
50–55	0.024034	93,862	464,001	30.54	0.025160	93,618	462,549	30.09
55–60	0.037366	91,606	450,043	26.23	0.039038	91,263	448,002	25.80
60–65	0.057548	88,183	428,992	22.15	0.060013	87,700	426,135	21.74
65–70	0.085700	83,108	398,635	18.34	0.089290	82,437	394,713	17.96
70–75	0.129481	75,986	356,602	14.81	0.134796	75,076	351,387	14.46
75–80	0.200716	66,147	298,858	11.62	0.208969	64,956	292,190	11.31
80–85	0.301745	52,870	225,061	8.89	0.314427	51,382	217,121	8.61
85–90	0.433636	36,917	143,597	6.63	0.451603	35,226	135,400	6.39
90–95	0.588215	20,908	71,224	4.84	0.609939	19,318	64,669	4.65
95–100	0.744283	8,610	24,316	3.48	0.764852	7,535	20,828	3.33
100 and over	1.000000	2,202	5,672	2.58	1.000000	1,772	4,297	2.43
	Essential (primary) hypertension and hypertensive renal disease (I10,I12)				Cerebrovascular diseases (I60–I69)			
0–1	0.006947	100,000	99,436	76.93	0.006920	100,000	99,438	77.51
1–5	0.001301	99,305	396,915	76.47	0.001289	99,308	396,929	77.05
5–10	0.000798	99,176	495,668	72.57	0.000790	99,180	495,690	73.15
10–15	0.000997	99,097	495,298	67.62	0.000987	99,102	495,323	68.21
15–20	0.003372	98,998	494,241	62.69	0.003357	99,004	494,273	63.27
20–25	0.004674	98,664	492,184	57.89	0.004645	98,671	492,227	58.48
25–30	0.004592	98,203	489,895	53.15	0.004546	98,213	489,957	53.74
30–35	0.005613	97,752	487,457	48.38	0.005533	97,767	487,548	48.97
35–40	0.007995	97,203	484,190	43.64	0.007826	97,226	484,340	44.23
40–45	0.011855	96,426	479,448	38.97	0.011535	96,465	479,712	39.56
45–50	0.017464	95,283	472,495	34.41	0.016931	95,352	472,956	34.99
50–55	0.025167	93,619	462,552	29.97	0.024390	93,738	463,309	30.54
55–60	0.039139	91,263	447,982	25.68	0.037862	91,451	449,179	26.24
60–65	0.060251	87,691	426,043	21.61	0.058153	87,989	427,924	22.17
65–70	0.089825	82,408	394,469	17.83	0.086329	82,872	397,380	18.37
70–75	0.136006	75,005	350,841	14.33	0.129480	75,718	355,345	14.86
75–80	0.211439	64,804	291,123	11.17	0.199025	65,914	298,072	11.68
80–85	0.319429	51,102	215,308	8.47	0.297937	52,795	225,237	8.94
85–90	0.460853	34,779	132,855	6.26	0.429393	37,066	144,578	6.65
90–95	0.624009	18,751	62,055	4.52	0.587186	21,150	72,105	4.83
95–100	0.780921	7,050	19,156	3.22	0.749107	8,731	24,535	3.43
100 and over	1.000000	1,545	3,551	2.30	1.000000	2,191	5,435	2.48

Table 1. Abridged life tables for all causes of death combined and eliminating specified causes, for the total population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table01.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Influenza and pneumonia (J10–J18)				Chronic lower respiratory diseases (J40–J47)			
0–1	0.006872	100,000	99,442	77.09	0.006938	100,000	99,437	77.41
1–5	0.001272	99,313	396,952	76.62	0.001289	99,306	396,922	76.95
5–10	0.000786	99,186	495,723	72.72	0.000786	99,178	495,682	73.05
10–15	0.000987	99,108	495,357	67.78	0.000978	99,100	495,317	68.10
15–20	0.003357	99,011	494,307	62.84	0.003352	99,003	494,271	63.16
20–25	0.004647	98,678	492,260	58.04	0.004651	98,671	492,225	58.37
25–30	0.004564	98,220	489,985	53.30	0.004567	98,213	489,949	53.63
30–35	0.005576	97,771	487,562	48.53	0.005584	97,764	487,523	48.86
35–40	0.007926	97,226	484,319	43.79	0.007948	97,218	484,274	44.12
40–45	0.011769	96,456	479,613	39.12	0.011771	96,445	479,563	39.46
45–50	0.017356	95,320	472,704	34.55	0.017275	95,310	472,672	34.89
50–55	0.025042	93,666	462,811	30.12	0.024724	93,664	462,870	30.46
55–60	0.038937	91,320	448,307	25.82	0.037868	91,348	448,670	26.17
60–65	0.059915	87,765	426,470	21.76	0.057563	87,889	427,559	22.09
65–70	0.089220	82,506	395,059	17.98	0.084654	82,830	397,506	18.28
70–75	0.134624	75,145	351,740	14.48	0.127233	75,818	356,218	14.73
75–80	0.208508	65,029	292,589	11.33	0.198973	66,171	299,245	11.49
80–85	0.313327	51,470	217,630	8.63	0.304504	53,005	225,274	8.70
85–90	0.450461	35,343	135,952	6.41	0.446762	36,865	142,155	6.39
90–95	0.608944	19,422	65,071	4.66	0.614635	20,395	68,015	4.59
95–100	0.764395	7,595	21,004	3.34	0.776039	7,860	21,467	3.25
100 and over	1.000000	1,789	4,385	2.45	1.000000	1,760	4,073	2.31
	Pneumonitis due to solids and liquids (J69)				Chronic liver disease and cirrhosis (K70,K73–K74)			
0–1	0.006945	100,000	99,436	76.92	0.006947	100,000	99,436	77.04
1–5	0.001298	99,306	396,917	76.45	0.001301	99,305	396,915	76.57
5–10	0.000796	99,177	495,672	72.55	0.000798	99,176	495,669	72.67
10–15	0.000996	99,098	495,301	67.61	0.000997	99,097	495,298	67.73
15–20	0.003371	98,999	494,246	62.67	0.003372	98,998	494,241	62.79
20–25	0.004671	98,665	492,190	57.87	0.004672	98,664	492,185	57.99
25–30	0.004591	98,204	489,902	53.13	0.004578	98,203	489,901	53.25
30–35	0.005617	97,754	487,463	48.37	0.005549	97,754	487,481	48.49
35–40	0.008004	97,204	484,193	43.62	0.007778	97,211	484,279	43.74
40–45	0.011880	96,426	479,443	38.96	0.011411	96,455	479,693	39.07
45–50	0.017517	95,281	472,472	34.39	0.016720	95,355	473,017	34.49
50–55	0.025254	93,612	462,497	29.96	0.024368	93,760	463,426	30.03
55–60	0.039258	91,248	447,881	25.67	0.038300	91,476	449,204	25.71
60–65	0.060453	87,666	425,877	21.61	0.059382	87,972	427,587	21.63
65–70	0.090076	82,366	394,220	17.82	0.089047	82,748	396,251	17.83
70–75	0.136224	74,947	350,528	14.33	0.135472	75,380	352,687	14.31
75–80	0.211619	64,737	290,793	11.17	0.211525	65,168	292,743	11.14
80–85	0.319353	51,038	215,046	8.48	0.320626	51,383	216,341	8.44
85–90	0.460386	34,739	132,744	6.26	0.463410	34,908	133,123	6.22
90–95	0.623345	18,745	62,072	4.53	0.627687	18,731	61,805	4.49
95–100	0.780618	7,061	19,190	3.22	0.784849	6,974	18,869	3.19
100 and over	1.000000	1,549	3,561	2.30	1.000000	1,500	3,405	2.27

Table 1. Abridged life tables for all causes of death combined and eliminating specified causes, for the total population: United States, 1999–2001—Con.

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[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

| | Of 100,000 born alive | | | | Of 100,000 born alive | | |
| Age (years) | Probability of dying between ages x and x + n | Number surviving to age x | Person-years lived between ages x and x + n | Expectation of life at age x | Probability of dying between ages x and x + n | Number surviving to age x | Person-years lived between ages x and x + n | Expectation of life at age x |
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)				Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)			
0–1	0.006909	100,000	99,439	77.02	0.005560	100,000	99,549	77.02
1–5	0.001298	99,309	396,931	76.55	0.001166	99,444	397,501	76.44
5–10	0.000795	99,180	495,690	72.65	0.000750	99,328	496,441	72.53
10–15	0.000994	99,101	495,320	67.71	0.000948	99,254	496,089	67.58
15–20	0.003367	99,003	494,265	62.77	0.003316	99,159	495,059	62.65
20–25	0.004662	98,669	492,213	57.97	0.004618	98,831	493,028	57.85
25–30	0.004576	98,209	489,931	53.23	0.004543	98,374	490,761	53.10
30–35	0.005590	97,760	487,502	48.47	0.005567	97,927	488,342	48.33
35–40	0.007957	97,213	484,249	43.73	0.007959	97,382	485,089	43.59
40–45	0.011804	96,440	479,528	39.05	0.011839	96,607	480,351	38.92
45–50	0.017384	95,302	472,604	34.49	0.017475	95,463	473,386	34.35
50–55	0.025039	93,645	462,707	30.05	0.025220	93,795	463,410	29.92
55–60	0.038889	91,300	448,217	25.76	0.039243	91,430	448,777	25.62
60–65	0.059822	87,749	426,415	21.69	0.060491	87,842	426,725	21.56
65–70	0.089016	82,500	395,070	17.90	0.090249	82,528	394,962	17.78
70–75	0.134756	75,156	351,770	14.40	0.136715	75,080	351,063	14.28
75–80	0.209538	65,029	292,427	11.23	0.212711	64,815	290,975	11.12
80–85	0.316911	51,403	216,893	8.52	0.321528	51,028	214,734	8.43
85–90	0.457918	35,113	134,395	6.29	0.463945	34,621	131,981	6.22
90–95	0.621338	19,034	63,130	4.54	0.627892	18,559	61,225	4.49
95–100	0.779239	7,207	19,619	3.23	0.784842	6,906	18,685	3.19
100 and over	1.000000	1,591	3,666	2.30	1.000000	1,486	3,373	2.27
	Accidents (unintentional injuries) (V01–X59,Y85–Y86)				Motor vehicle accidents (V02–V04,V09.0, V09.2,V12–V14,V19.0–V19.2,V19.4–V19.6,V20–V79, V80.3–V80.5,V81.0–V81.1,V82.0–V82.1,V83–V86, V87.0–V87.8,V88.0–V88.8,V89.0,V89.2)			
0–1	0.006724	100,000	99,454	77.70	0.006907	100,000	99,439	77.30
1–5	0.000840	99,328	397,113	77.23	0.001138	99,309	396,970	76.83
5–10	0.000462	99,244	496,098	73.29	0.000611	99,196	495,819	72.92
10–15	0.000610	99,198	495,877	68.33	0.000760	99,136	495,536	67.96
15–20	0.001716	99,138	495,308	63.37	0.002083	99,060	494,839	63.01
20–25	0.002741	98,968	494,170	58.47	0.003297	98,854	493,467	58.14
25–30	0.003080	98,697	492,728	53.62	0.003653	98,528	491,747	53.32
30–35	0.004191	98,393	490,983	48.78	0.004855	98,168	489,709	48.51
35–40	0.006385	97,980	488,430	43.98	0.007250	97,692	486,793	43.73
40–45	0.010124	97,355	484,459	39.24	0.011154	96,983	482,377	39.03
45–50	0.015828	96,369	478,251	34.62	0.016840	95,902	475,703	34.44
50–55	0.023799	94,844	468,908	30.13	0.024640	94,287	465,967	29.98
55–60	0.037893	92,587	454,747	25.80	0.038661	91,963	451,522	25.68
60–65	0.059101	89,078	433,023	21.71	0.059938	88,408	429,591	21.60
65–70	0.088692	83,814	401,424	17.91	0.089666	83,109	397,858	17.81
70–75	0.134670	76,380	357,512	14.40	0.136024	75,657	353,886	14.30
75–80	0.209603	66,094	297,208	11.23	0.211847	65,366	293,582	11.14
80–85	0.317001	52,240	220,416	8.51	0.320644	51,518	216,907	8.44
85–90	0.457996	35,680	136,560	6.29	0.463215	34,999	133,487	6.22
90–95	0.621260	19,339	64,146	4.54	0.627562	18,787	61,995	4.49
95–100	0.779288	7,324	19,936	3.23	0.784789	6,997	18,932	3.19
100 and over	1.000000	1,617	3,728	2.31	1.000000	1,506	3,417	2.27

Table 1. Abridged life tables for all causes of death combined and eliminating specified causes, for the total population: United States, 1999–2001—Con.

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| Age (years) | Of 100,000 born alive | | | | Of 100,000 born alive | | | |
| | Probability of dying between ages x and $x + n$ | Number surviving to age x | Person-years lived between ages x and $x + n$ | Expectation of life at age x | Probability of dying between ages x and $x + n$ | Number surviving to age x | Person-years lived between ages x and $x + n$ | Expectation of life at age x |
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	All other accidents (V01,V05–V06,V09.1,V09.3,V09.9, V10–V11,V15–V18,V19.3,V19.8–V19.9,V80.0–V80.2, V80.6–V80.9,V81.2–V81.9,V82.2–V82.9,V87.9,V88.9, V89.1,V89.3–V89.9,V90–V99,W00–X59,Y85–Y86)				Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)			
0–1	0.006765	100,000	99,451	77.27	0.006948	100,000	99,436	77.12
1–5	0.001003	99,324	397,058	76.79	0.001301	99,305	396,915	76.66
5–10	0.000649	99,224	495,947	72.87	0.000796	99,176	495,668	72.76
10–15	0.000848	99,160	495,638	67.91	0.000932	99,097	495,310	67.82
15–20	0.003008	99,075	494,708	62.97	0.002974	99,005	494,362	62.88
20–25	0.004122	98,777	492,883	58.15	0.004063	98,710	492,562	58.06
25–30	0.004025	98,370	490,868	53.38	0.003988	98,309	490,572	53.28
30–35	0.004964	97,974	488,716	48.58	0.004995	97,917	488,424	48.49
35–40	0.007153	97,488	485,800	43.81	0.007321	97,428	485,463	43.72
40–45	0.010876	96,791	481,482	39.11	0.011162	96,715	481,039	39.02
45–50	0.016540	95,738	474,958	34.51	0.016810	95,635	474,388	34.43
50–55	0.024470	94,154	465,351	30.05	0.024622	94,028	464,691	29.97
55–60	0.038584	91,850	450,984	25.73	0.038706	91,712	450,280	25.66
60–65	0.059773	88,306	429,132	21.66	0.060057	88,163	428,374	21.59
65–70	0.089389	83,028	397,525	17.87	0.089814	82,868	396,674	17.80
70–75	0.135470	75,606	353,748	14.36	0.136215	75,425	352,767	14.30
75–80	0.210607	65,364	293,768	11.20	0.212152	65,151	292,569	11.13
80–85	0.318061	51,598	217,570	8.50	0.321008	51,329	216,065	8.43
85–90	0.458915	35,187	134,589	6.28	0.463559	34,852	132,895	6.22
90–95	0.621756	19,039	63,125	4.54	0.627722	18,696	61,687	4.49
95–100	0.779489	7,201	19,597	3.23	0.784855	6,960	18,831	3.19
100 and over	1.000000	1,588	3,661	2.31	1.000000	1,497	3,398	2.27
	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)				Alcohol-induced causes (F10,G31.2,G62.1,I42.6, K29.2,K70,R78.0,X45,X65,Y15)			
0–1	0.006864	100,000	99,443	77.06	0.006947	100,000	99,436	77.00
1–5	0.001204	99,314	396,972	76.59	0.001301	99,305	396,915	76.54
5–10	0.000760	99,194	495,768	72.68	0.000798	99,176	495,668	72.64
10–15	0.000944	99,119	495,416	67.74	0.000997	99,097	495,297	67.69
15–20	0.002886	99,025	494,484	62.80	0.003365	98,998	494,242	62.76
20–25	0.003859	98,739	492,757	57.97	0.004660	98,665	492,191	57.96
25–30	0.003956	98,358	490,825	53.19	0.004558	98,205	489,914	53.22
30–35	0.005134	97,969	488,651	48.39	0.005514	97,757	487,507	48.45
35–40	0.007596	97,466	485,591	43.63	0.007726	97,218	484,326	43.71
40–45	0.011543	96,726	481,008	38.94	0.011376	96,467	479,760	39.03
45–50	0.017263	95,609	474,158	34.36	0.016763	95,370	473,082	34.44
50–55	0.025089	93,959	464,248	29.92	0.024475	93,771	463,456	29.99
55–60	0.039170	91,601	449,636	25.62	0.038483	91,476	449,168	25.67
60–65	0.060467	88,013	427,564	21.56	0.059707	87,956	427,442	21.59
65–70	0.090235	82,692	395,747	17.77	0.089587	82,704	395,935	17.80
70–75	0.136718	75,230	351,764	14.28	0.136223	75,295	352,157	14.29
75–80	0.212747	64,945	291,549	11.12	0.212383	65,038	292,026	11.13
80–85	0.321608	51,128	215,142	8.43	0.321412	51,225	215,576	8.43
85–90	0.464059	34,685	132,212	6.22	0.463962	34,761	132,511	6.22
90–95	0.628009	18,589	61,319	4.49	0.627975	18,633	61,466	4.49
95–100	0.784958	6,915	18,707	3.19	0.784945	6,932	18,753	3.19
100 and over	1.000000	1,487	3,374	2.27	1.000000	1,491	3,383	2.27

Table 1. Abridged life tables for all causes of death combined and eliminating specified causes, for the total population: United States, 1999–2001—Con.

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		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Drug-induced causes (F11.0–F11.5,F11.7–F11.9, F12.0–F12.5,F12.7–F12.9,F13.0–F13.5,F13.7–F13.9, F14.0–F14.5,,F14.7–F14.9,F15.0–F15.5,F15.7–F15.9, F16.0–F16.5,F16.7–F16.9,F17.0,F17.3–F17.5,F17.7–F17.9, F18.0–F18.5,F18.7–F18.9,F19.0–F19.5,F19.7–F19.9, X40–X44,X60–X64,X85,Y10–Y14)				Injury by firearms (*U01.4, W32–W34,X72–X74,X93–X95,Y22–Y24,Y35.0)			
0–1	0.006943	100,000	99,436	77.04	0.006945	100,000	99,436	77.15
1–5	0.001296	99,306	396,918	76.58	0.001286	99,306	396,920	76.69
5–10	0.000796	99,177	495,674	72.67	0.000779	99,178	495,682	72.78
10–15	0.000990	99,098	495,305	67.73	0.000925	99,101	495,329	67.84
15–20	0.003262	99,000	494,275	62.79	0.002712	99,009	494,441	62.90
20–25	0.004382	98,677	492,319	57.99	0.003623	98,740	492,819	58.06
25–30	0.004217	98,245	490,194	53.24	0.003762	98,383	490,994	53.26
30–35	0.005112	97,830	487,964	48.45	0.004971	98,012	488,905	48.45
35–40	0.007293	97,330	484,983	43.69	0.007417	97,525	485,926	43.68
40–45	0.011021	96,620	480,603	38.99	0.011343	96,802	481,432	38.99
45–50	0.016743	95,556	474,008	34.39	0.017024	95,704	474,680	34.41
50–55	0.024796	93,956	464,297	29.93	0.024812	94,075	464,881	29.96
55–60	0.039056	91,626	449,781	25.63	0.038863	91,740	450,384	25.65
60–65	0.060427	88,047	427,738	21.56	0.060162	88,175	428,412	21.58
65–70	0.090230	82,727	395,918	17.78	0.089908	82,870	396,667	17.79
70–75	0.136702	75,263	351,920	14.28	0.136318	75,420	352,722	14.29
75–80	0.212710	64,974	291,687	11.12	0.212281	65,138	292,493	11.13
80–85	0.321560	51,153	215,256	8.43	0.321161	51,311	215,969	8.43
85–90	0.463990	34,705	132,294	6.22	0.463704	34,832	132,804	6.22
90–95	0.627944	18,602	61,365	4.49	0.627836	18,680	61,628	4.49
95–100	0.784923	6,921	18,724	3.19	0.784904	6,952	18,808	3.19
100 and over	1.000000	1,489	3,378	2.27	1.000000	1,495	3,393	2.27

Table 2. Abridged life tables for all causes of death combined and eliminating specified causes, for the male population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table02.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Eliminating no cause				Septicemia (A40–A41)			
0–1	0.007614	100,000	99,383	74.13	0.007535	100,000	99,389	74.26
1–5	0.001443	99,239	396,615	73.70	0.001417	99,246	396,653	73.82
5–10	0.000880	99,095	495,243	69.80	0.000870	99,106	495,298	69.93
10–15	0.001192	99,008	494,832	64.86	0.001184	99,020	494,891	64.99
15–20	0.004693	98,890	493,422	59.94	0.004682	98,902	493,486	60.06
20–25	0.006898	98,426	490,458	55.21	0.006876	98,439	490,530	55.33
25–30	0.006473	97,747	487,148	50.57	0.006445	97,763	487,232	50.69
30–35	0.007509	97,114	483,824	45.89	0.007464	97,133	483,925	46.01
35–40	0.010339	96,385	479,575	41.21	0.010266	96,408	479,703	41.33
40–45	0.015187	95,389	473,544	36.62	0.015060	95,418	473,717	36.73
45–50	0.022584	93,940	464,689	32.14	0.022372	93,981	464,938	32.26
50–55	0.031817	91,818	452,189	27.82	0.031493	91,878	452,554	27.93
55–60	0.048887	88,897	434,317	23.65	0.048395	88,985	434,848	23.76
60–65	0.074628	84,551	407,889	19.73	0.073862	84,678	408,655	19.83
65–70	0.111842	78,241	370,429	16.11	0.110623	78,424	371,520	16.20
70–75	0.169840	69,491	319,267	12.80	0.167970	69,748	320,762	12.89
75–80	0.258615	57,688	252,175	9.89	0.255662	58,033	254,097	9.96
80–85	0.379765	42,769	173,161	7.44	0.375763	43,196	175,322	7.50
85–90	0.529811	26,527	95,829	5.47	0.525015	26,965	97,748	5.52
90–95	0.690922	12,473	38,342	3.95	0.686177	12,808	39,541	3.98
95–100	0.832765	3,855	9,577	2.82	0.829164	4,019	10,029	2.85
100 and over	1.000000	645	1,307	2.03	1.000000	687	1,407	2.05
	Human immunodeficiency virus (HIV) disease (B20–B24)				Malignant neoplasms (C00–C97)			
0–1	0.007610	100,000	99,383	74.30	0.007595	100,000	99,385	77.35
1–5	0.001438	99,239	396,618	73.87	0.001329	99,240	396,649	76.94
5–10	0.000873	99,096	495,249	69.98	0.000753	99,109	495,343	73.04
10–15	0.001185	99,010	494,841	65.04	0.001056	99,034	494,985	68.09
15–20	0.004684	98,892	493,435	60.11	0.004478	98,929	493,665	63.16
20–25	0.006856	98,429	490,483	55.38	0.006603	98,486	490,830	58.43
25–30	0.006265	97,754	487,234	50.74	0.006111	97,836	487,680	53.80
30–35	0.006916	97,142	484,098	46.05	0.006944	97,238	484,572	49.12
35–40	0.009402	96,470	480,210	41.35	0.009291	96,563	480,698	44.44
40–45	0.014141	95,563	474,644	36.72	0.012980	95,666	475,416	39.83
45–50	0.021610	94,212	466,249	32.21	0.017981	94,424	468,110	35.32
50–55	0.031103	92,176	454,104	27.86	0.023263	92,726	458,534	30.92
55–60	0.048401	89,309	436,430	23.67	0.033207	90,569	445,809	26.59
60–65	0.074314	84,986	410,050	19.74	0.049094	87,562	427,680	22.42
65–70	0.111642	78,670	372,499	16.11	0.074138	83,263	401,658	18.44
70–75	0.169723	69,888	321,110	12.80	0.118223	77,090	363,684	14.70
75–80	0.258552	58,026	253,661	9.89	0.194318	67,976	307,772	11.33
80–85	0.379742	43,023	174,192	7.44	0.309656	54,767	231,355	8.44
85–90	0.529801	26,686	96,403	5.47	0.462941	37,808	143,204	6.10
90–95	0.690917	12,548	38,572	3.95	0.639088	20,305	65,353	4.31
95–100	0.832748	3,878	9,634	2.82	0.799459	7,328	18,942	3.02
100 and over	1.000000	649	1,315	2.03	1.000000	1,470	3,224	2.19

Table 2. Abridged life tables for all causes of death combined and eliminating specified causes, for the male population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table02.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Of 100,000 born alive				Of 100,000 born alive			
	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasms of colon, rectum and anus (C18–C21)				Malignant neoplasm of pancreas (C25)			
0–1	0.007614	100,000	99,383	74.41	0.007614	100,000	99,383	74.28
1–5	0.001443	99,239	396,615	73.98	0.001443	99,239	396,615	73.85
5–10	0.000880	99,095	495,243	70.08	0.000880	99,095	495,243	69.95
10–15	0.001191	99,008	494,832	65.14	0.001192	99,008	494,832	65.01
15–20	0.004690	98,890	493,423	60.21	0.004693	98,890	493,422	60.08
20–25	0.006888	98,426	490,462	55.48	0.006897	98,426	490,459	55.35
25–30	0.006450	97,748	487,160	50.85	0.006469	97,747	487,150	50.72
30–35	0.007456	97,118	483,854	46.17	0.007497	97,115	483,829	46.03
35–40	0.010225	96,394	479,644	41.49	0.010297	96,387	479,593	41.36
40–45	0.014976	95,408	473,689	36.89	0.015081	95,394	473,596	36.77
45–50	0.022132	93,980	464,985	32.42	0.022318	93,956	464,826	32.29
50–55	0.030990	91,900	452,768	28.09	0.031284	91,859	452,504	27.96
55–60	0.047400	89,052	435,382	23.90	0.047981	88,985	434,936	23.78
60–65	0.072253	84,831	409,712	19.96	0.073216	84,716	408,964	19.85
65–70	0.108371	78,701	373,256	16.31	0.109871	78,513	372,083	16.21
70–75	0.165065	70,172	323,200	12.97	0.167363	69,887	321,500	12.88
75–80	0.252495	58,589	256,986	10.02	0.255583	58,190	254,799	9.95
80–85	0.372837	43,796	178,078	7.54	0.376673	43,318	175,718	7.48
85–90	0.522757	27,467	99,733	5.53	0.527244	27,001	97,724	5.49
90–95	0.684906	13,109	40,516	3.99	0.689162	12,765	39,303	3.96
95–100	0.828684	4,130	10,312	2.85	0.831779	3,968	9,869	2.83
100 and over	1.000000	708	1,450	2.05	1.000000	667	1,355	2.03
	Malignant neoplasms of trachea, bronchus and lung (C33–C34)				Malignant neoplasm of breast (C50)			
0–1	0.007614	100,000	99,383	75.08	0.007614	100,000	99,383	74.14
1–5	0.001442	99,239	396,615	74.65	0.001443	99,239	396,615	73.70
5–10	0.000879	99,095	495,244	70.76	0.000880	99,095	495,243	69.81
10–15	0.001191	99,008	494,833	65.82	0.001192	99,008	494,832	64.87
15–20	0.004691	98,890	493,423	60.89	0.004693	98,890	493,422	59.94
20–25	0.006893	98,426	490,461	56.17	0.006898	98,426	490,458	55.21
25–30	0.006461	97,748	487,155	51.54	0.006472	97,747	487,148	50.58
30–35	0.007476	97,116	483,842	46.86	0.007508	97,114	483,824	45.89
35–40	0.010193	96,390	479,634	42.19	0.010336	96,385	479,576	41.22
40–45	0.014668	95,408	473,756	37.60	0.015183	95,389	473,547	36.62
45–50	0.021364	94,008	465,299	33.12	0.022577	93,941	464,694	32.14
50–55	0.029212	92,000	453,650	28.78	0.031800	91,820	452,200	27.82
55–60	0.043325	89,313	437,509	24.57	0.048859	88,900	434,337	23.65
60–65	0.065119	85,443	414,106	20.56	0.074593	84,556	407,921	19.73
65–70	0.097564	79,879	380,891	16.81	0.111793	78,249	370,475	16.11
70–75	0.151256	72,086	334,389	13.34	0.169771	69,501	319,328	12.80
75–80	0.238206	61,182	270,484	10.26	0.258534	57,702	252,247	9.89
80–85	0.361453	46,608	190,843	7.66	0.379688	42,784	173,230	7.44
85–90	0.516189	29,762	108,576	5.58	0.529719	26,540	95,881	5.47
90–95	0.683253	14,399	44,571	4.00	0.690856	12,481	38,370	3.95
95–100	0.829081	4,561	11,381	2.84	0.832689	3,858	9,586	2.82
100 and over	1.000000	780	1,593	2.04	1.000000	646	1,309	2.03

Table 2. Abridged life tables for all causes of death combined and eliminating specified causes, for the male population: United States, 1999–2001—Con.

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Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasm of prostate (C61)				Diabetes mellitus (E10–E14)			
0–1	0.007614	100,000	99,383	74.37	0.007614	100,000	99,383	74.45
1–5	0.001443	99,239	396,615	73.94	0.001442	99,239	396,616	74.02
5–10	0.000880	99,095	495,243	70.04	0.000878	99,096	495,245	70.12
10–15	0.001192	99,008	494,832	65.10	0.001185	99,009	494,835	65.18
15–20	0.004693	98,890	493,422	60.17	0.004680	98,891	493,430	60.25
20–25	0.006898	98,426	490,458	55.45	0.006868	98,428	490,477	55.52
25–30	0.006472	97,747	487,148	50.81	0.006418	97,752	487,188	50.89
30–35	0.007509	97,115	483,825	46.13	0.007395	97,125	483,904	46.20
35–40	0.010337	96,385	479,576	41.46	0.010155	96,407	479,725	41.53
40–45	0.015176	95,389	473,548	36.86	0.014862	95,428	473,811	36.93
45–50	0.022533	93,941	464,707	32.39	0.021997	94,010	465,164	32.44
50–55	0.031657	91,825	452,254	28.08	0.030832	91,942	453,010	28.12
55–60	0.048418	88,918	434,515	23.91	0.047248	89,107	435,684	23.93
60–65	0.073455	84,612	408,419	19.99	0.072089	84,897	410,064	19.98
65–70	0.109301	78,397	371,641	16.36	0.108167	78,777	373,651	16.33
70–75	0.165120	69,828	321,606	13.05	0.164790	70,256	323,629	12.99
75–80	0.250474	58,298	255,996	10.11	0.251872	58,678	257,464	10.04
80–85	0.367552	43,696	178,251	7.63	0.371772	43,899	178,613	7.55
85–90	0.514441	27,636	100,946	5.62	0.521864	27,578	100,201	5.54
90–95	0.676101	13,419	41,804	4.05	0.684400	13,186	40,775	3.99
95–100	0.821838	4,346	10,940	2.89	0.828728	4,162	10,389	2.85
100 and over	1.000000	774	1,617	2.09	1.000000	713	1,459	2.05
	Alzheimer's disease (G30)				Major cardiovascular diseases (I00–I78)			
0–1	0.007614	100,000	99,383	74.22	0.007452	100,000	99,396	79.34
1–5	0.001443	99,239	396,615	73.79	0.001376	99,255	396,696	78.93
5–10	0.000880	99,095	495,243	69.89	0.000844	99,118	495,367	75.04
10–15	0.001192	99,008	494,832	64.95	0.001134	99,035	494,974	70.10
15–20	0.004693	98,890	493,422	60.03	0.004546	98,922	493,614	65.18
20–25	0.006898	98,426	490,458	55.30	0.006647	98,473	490,751	60.46
25–30	0.006473	97,747	487,148	50.66	0.006065	97,818	487,601	55.85
30–35	0.007509	97,114	483,824	45.98	0.006714	97,225	484,559	51.17
35–40	0.010339	96,385	479,575	41.31	0.008721	96,572	480,873	46.50
40–45	0.015186	95,389	473,545	36.71	0.011832	95,730	475,991	41.89
45–50	0.022579	93,940	464,691	32.23	0.016427	94,597	469,315	37.36
50–55	0.031804	91,819	452,195	27.92	0.021571	93,043	460,473	32.94
55–60	0.048840	88,899	434,336	23.75	0.032013	91,036	448,361	28.61
60–65	0.074485	84,557	407,946	19.83	0.048471	88,122	430,545	24.46
65–70	0.111437	78,259	370,587	16.21	0.072742	83,850	404,769	20.58
70–75	0.168670	69,538	319,678	12.92	0.109111	77,751	368,494	16.98
75–80	0.255457	57,809	253,146	10.01	0.163194	69,267	318,858	13.74
80–85	0.372921	43,041	175,000	7.56	0.236280	57,963	255,511	10.92
85–90	0.519312	26,990	98,245	5.58	0.331003	44,268	182,966	8.53
90–95	0.678866	12,974	40,319	4.03	0.445573	29,615	111,292	6.57
95–100	0.823463	4,166	10,467	2.88	0.576858	16,419	53,482	5.08
100 and over	1.000000	736	1,524	2.07	1.000000	6,948	29,859	4.30

Table 2. Abridged life tables for all causes of death combined and eliminating specified causes, for the male population: United States, 1999–2001—Con.

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| Age (years) | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x |
| | | Number surviving to age x | Person-years lived between ages x and $x + n$ | | | Number surviving to age x | Person-years lived between ages x and $x + n$ | |
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Diseases of heart (I00–I09,I11,I13,I20–I51)				Hypertensive heart disease (I11)			
0–1	0.007489	100,000	99,393	77.94	0.007614	100,000	99,383	74.23
1–5	0.001388	99,251	396,678	77.52	0.001443	99,239	396,615	73.80
5–10	0.000852	99,113	495,340	73.63	0.000880	99,095	495,243	69.91
10–15	0.001147	99,029	494,943	68.69	0.001192	99,008	494,832	64.97
15–20	0.004570	98,915	493,574	63.77	0.004691	98,890	493,423	60.04
20–25	0.006696	98,463	490,692	59.05	0.006889	98,426	490,461	55.31
25–30	0.006146	97,804	487,511	54.43	0.006452	97,748	487,159	50.67
30–35	0.006861	97,203	484,415	49.75	0.007456	97,118	483,852	45.99
35–40	0.008994	96,536	480,631	45.07	0.010241	96,394	479,639	41.31
40–45	0.012368	95,668	475,561	40.46	0.014985	95,406	473,677	36.71
45–50	0.017372	94,484	468,545	35.93	0.022265	93,977	464,941	32.23
50–55	0.023050	92,843	459,158	31.52	0.031362	91,884	452,612	27.91
55–60	0.034498	90,703	446,194	27.20	0.048279	89,003	434,960	23.72
60–65	0.052773	87,574	426,981	23.08	0.073864	84,706	408,787	19.79
65–70	0.079822	82,952	399,040	19.22	0.110944	78,449	371,580	16.16
70–75	0.121673	76,331	359,474	15.66	0.168735	69,746	320,622	12.85
75–80	0.185381	67,044	305,005	12.46	0.257115	57,977	253,649	9.93
80–85	0.272939	54,615	235,735	9.72	0.377741	43,070	174,598	7.47
85–90	0.385681	39,708	158,435	7.43	0.527202	26,801	97,002	5.50
90–95	0.517326	24,394	86,792	5.59	0.687873	12,671	39,060	3.97
95–100	0.656861	11,774	35,506	4.21	0.829834	3,955	9,860	2.84
100 and over	1.000000	4,040	14,120	3.49	1.000000	673	1,376	2.04
	Ischemic heart diseases (I20–I25)				Acute myocardial infarction (I21–I22)			
0–1	0.007607	100,000	99,384	76.80	0.007610	100,000	99,383	75.09
1–5	0.001441	99,239	396,619	76.38	0.001443	99,239	396,617	74.66
5–10	0.000877	99,096	495,249	72.49	0.000879	99,096	495,246	70.77
10–15	0.001188	99,009	494,839	67.55	0.001190	99,009	494,835	65.83
15–20	0.004680	98,892	493,433	62.63	0.004687	98,891	493,427	60.90
20–25	0.006862	98,429	490,481	57.91	0.006884	98,427	490,468	56.18
25–30	0.006378	97,754	487,203	53.29	0.006437	97,750	487,170	51.55
30–35	0.007235	97,130	483,966	48.62	0.007398	97,121	483,881	46.86
35–40	0.009592	96,427	479,955	43.95	0.010040	96,402	479,727	42.19
40–45	0.013362	95,502	474,518	39.35	0.014420	95,434	473,942	37.60
45–50	0.018877	94,226	466,931	34.85	0.020974	94,058	465,631	33.11
50–55	0.025195	92,448	456,734	30.47	0.028984	92,085	454,119	28.76
55–60	0.037754	90,118	442,631	26.19	0.044097	89,416	437,856	24.54
60–65	0.057553	86,716	421,821	22.11	0.067309	85,473	413,811	20.55
65–70	0.086777	81,725	391,787	18.30	0.101445	79,720	379,399	16.84
70–75	0.132315	74,633	349,583	14.79	0.155093	71,633	331,632	13.45
75–80	0.202176	64,758	291,965	11.65	0.237643	60,523	267,653	10.43
80–85	0.299772	51,666	219,533	8.95	0.351885	46,140	190,032	7.89
85–90	0.426393	36,178	140,491	6.72	0.496265	29,904	110,656	5.81
90–95	0.573545	20,752	70,582	4.94	0.657062	15,064	47,729	4.19
95–100	0.723426	8,850	24,907	3.61	0.805758	5,166	13,255	2.99
100 and over	1.000000	2,448	7,006	2.86	1.000000	1,003	2,204	2.20

Table 2. Abridged life tables for all causes of death combined and eliminating specified causes, for the male population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table02.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Other heart diseases (I26–I51)				Heart failure (I50)			
0–1	0.007499	100,000	99,392	74.81	0.007607	100,000	99,384	74.29
1–5	0.001391	99,250	396,674	74.37	0.001440	99,239	396,619	73.85
5–10	0.000855	99,112	495,333	70.47	0.000878	99,096	495,249	69.96
10–15	0.001151	99,027	494,935	65.53	0.001190	99,009	494,838	65.02
15–20	0.004587	98,913	493,561	60.60	0.004687	98,892	493,430	60.09
20–25	0.006746	98,460	490,662	55.87	0.006894	98,428	490,468	55.36
25–30	0.006266	97,795	487,439	51.23	0.006464	97,749	487,162	50.73
30–35	0.007200	97,183	484,235	46.54	0.007498	97,118	483,842	46.04
35–40	0.009858	96,483	480,170	41.85	0.010315	96,389	479,602	41.37
40–45	0.014431	95,532	474,424	37.25	0.015137	95,395	473,588	36.77
45–50	0.021449	94,153	465,996	32.75	0.022484	93,951	464,767	32.30
50–55	0.030198	92,134	454,094	28.41	0.031635	91,839	452,329	27.98
55–60	0.046374	89,351	437,062	24.21	0.048507	88,933	434,574	23.81
60–65	0.070829	85,208	411,819	20.26	0.073933	84,620	408,358	19.89
65–70	0.106178	79,173	375,903	16.61	0.110595	78,363	371,239	16.26
70–75	0.161070	70,766	326,609	13.27	0.167456	69,697	320,607	12.96
75–80	0.244995	59,368	261,483	10.31	0.254398	58,024	254,238	10.04
80–85	0.358746	44,823	183,836	7.82	0.372270	43,263	175,972	7.59
85–90	0.500058	28,743	106,074	5.81	0.517959	27,157	98,950	5.61
90–95	0.654544	14,370	45,631	4.23	0.674792	13,091	40,831	4.07
95–100.	0.797035	4,964	12,868	3.06	0.815803	4,257	10,794	2.93
100 and over	1.000000	1,008	2,316	2.30	1.000000	784	1,697	2.16
	Essential (primary) hypertension and hypertensive renal disease (I10,I12)				Cerebrovascular diseases (I60–I69)			
0–1	0.007614	100,000	99,383	74.19	0.007582	100,000	99,386	74.67
1–5	0.001443	99,239	396,615	73.76	0.001432	99,242	396,631	74.24
5–10	0.000879	99,095	495,243	69.86	0.000872	99,100	495,267	70.34
10–15	0.001191	99,008	494,833	64.92	0.001182	99,013	494,859	65.40
15–20	0.004692	98,890	493,423	60.00	0.004675	98,896	493,456	60.47
20–25	0.006894	98,426	490,460	55.27	0.006865	98,434	490,505	55.74
25–30	0.006465	97,748	487,153	50.63	0.006419	97,758	487,216	51.11
30–35	0.007493	97,116	483,834	45.95	0.007413	97,131	483,927	46.43
35–40	0.010312	96,388	479,596	41.27	0.010148	96,411	479,745	41.75
40–45	0.015124	95,394	473,586	36.68	0.014809	95,432	473,845	37.15
45–50	0.022475	93,951	464,770	32.20	0.021916	94,019	465,228	32.67
50–55	0.031639	91,840	452,333	27.88	0.030798	91,958	453,100	28.35
55–60	0.048635	88,934	434,551	23.70	0.047212	89,126	435,786	24.16
60–65	0.074231	84,609	408,247	19.78	0.071819	84,918	410,223	20.23
65–70	0.111273	78,328	370,947	16.15	0.107337	78,820	374,011	16.59
70–75	0.168991	69,612	319,968	12.85	0.161712	70,359	324,624	13.27
75–80	0.257271	57,849	253,065	9.93	0.244299	58,982	259,881	10.32
80–85	0.377753	42,966	174,174	7.47	0.356879	44,572	183,017	7.83
85–90	0.527047	26,735	96,775	5.50	0.499044	28,665	105,864	5.79
90–95	0.687701	12,645	38,984	3.97	0.657910	14,360	45,465	4.19
95–100.	0.830000	3,949	9,843	2.84	0.806391	4,912	12,595	2.99
100 and over	1.000000	671	1,374	2.05	1.000000	951	2,075	2.18

Table 2. Abridged life tables for all causes of death combined and eliminating specified causes, for the male population: United States, 1999–2001—Con.

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[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

| Age (years) | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x |
| | | Number surviving to age x | Person-years lived between ages x and $x + n$ | | | Number surviving to age x | Person-years lived between ages x and $x + n$ | |
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
		Influenza and pneumonia (J10–J18)				Chronic lower respiratory diseases (J40–J47)		
0–1	0.007533	100,000	99,390	74.35	0.007604	100,000	99,384	74.66
1–5	0.001414	99,247	396,654	73.91	0.001429	99,240	396,623	74.23
5–10	0.000867	99,106	495,301	70.01	0.000867	99,098	495,259	70.33
10–15	0.001181	99,020	494,895	65.07	0.001167	99,012	494,855	65.39
15–20	0.004676	98,903	493,492	60.15	0.004667	98,896	493,458	60.46
20–25	0.006865	98,441	490,540	55.42	0.006867	98,435	490,509	55.73
25–30	0.006435	97,765	487,247	50.78	0.006440	97,759	487,214	51.10
30–35	0.007450	97,136	483,945	46.09	0.007466	97,129	483,908	46.41
35–40	0.010240	96,412	479,733	41.42	0.010273	96,404	479,684	41.74
40–45	0.015025	95,425	473,761	36.82	0.015062	95,414	473,697	37.15
45–50	0.022342	93,991	464,997	32.34	0.022294	93,977	464,935	32.68
50–55	0.031485	91,891	452,620	28.02	0.031221	91,881	452,629	28.36
55–60	0.048393	88,998	434,914	23.85	0.047310	89,013	435,211	24.19
60–65	0.073804	84,691	408,730	19.92	0.071349	84,802	409,752	20.26
65–70	0.110438	78,441	371,635	16.30	0.105493	78,751	374,030	16.61
70–75	0.167157	69,778	321,034	13.00	0.158735	70,443	325,512	13.26
75–80	0.253431	58,114	254,769	10.08	0.242317	59,262	261,400	10.27
80–85	0.370019	43,386	176,718	7.63	0.359105	44,901	184,118	7.74
85–90	0.514441	27,332	99,839	5.65	0.507698	28,777	105,624	5.68
90–95	0.669664	13,272	41,584	4.12	0.672289	14,167	44,286	4.08
95–100	0.810023	4,384	11,192	2.98	0.819947	4,643	11,713	2.90
100 and over	1.000000	833	1,867	2.24	1.000000	836	1,755	2.10
		Pneumonitis due to solids and liquids (J69)				Chronic liver disease and cirrhosis (K70,K73–K74)		
0–1	0.007611	100,000	99,383	74.19	0.007613	100,000	99,383	74.35
1–5	0.001441	99,239	396,617	73.76	0.001443	99,239	396,616	73.92
5–10	0.000878	99,096	495,246	69.86	0.000879	99,095	495,244	70.02
10–15	0.001190	99,009	494,836	64.92	0.001191	99,008	494,833	65.08
15–20	0.004690	98,891	493,427	59.99	0.004692	98,890	493,423	60.16
20–25	0.006890	98,427	490,466	55.26	0.006892	98,426	490,461	55.43
25–30	0.006465	97,749	487,160	50.63	0.006446	97,748	487,159	50.80
30–35	0.007497	97,117	483,840	45.94	0.007407	97,118	483,865	46.11
35–40	0.010322	96,389	479,598	41.27	0.010027	96,399	479,713	41.43
40–45	0.015157	95,394	473,578	36.67	0.014494	95,432	473,915	36.83
45–50	0.022541	93,948	464,740	32.20	0.021336	94,049	465,505	32.33
50–55	0.031750	91,831	452,264	27.88	0.030391	92,042	453,602	27.98
55–60	0.048773	88,915	434,429	23.71	0.047340	89,245	436,340	23.77
60–65	0.074434	84,579	408,060	19.79	0.072903	85,020	410,497	19.82
65–70	0.111461	78,283	370,697	16.16	0.110055	78,822	373,513	16.17
70–75	0.169032	69,557	319,708	12.86	0.168118	70,147	322,572	12.84
75–80	0.256993	57,800	252,892	9.95	0.257077	58,354	255,304	9.91
80–85	0.376656	42,946	174,211	7.50	0.378577	43,353	175,652	7.45
85–90	0.524829	26,770	97,056	5.52	0.528960	26,940	97,382	5.48
90–95	0.684635	12,720	39,326	3.99	0.690435	12,690	39,027	3.95
95–100	0.826620	4,012	10,040	2.86	0.832521	3,928	9,762	2.82
100 and over	1.000000	696	1,439	2.07	1.000000	658	1,335	2.03

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		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)				Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)			
0–1	0.007571	100,000	99,387	74.28	0.006179	100,000	99,499	74.29
1–5	0.001439	99,243	396,633	73.85	0.001302	99,382	397,222	73.75
5–10	0.000877	99,100	495,267	69.95	0.000831	99,253	496,042	69.84
10–15	0.001188	99,013	494,858	65.01	0.001140	99,170	495,651	64.90
15–20	0.004686	98,896	493,450	60.09	0.004623	99,057	494,270	59.97
20–25	0.006885	98,432	490,491	55.36	0.006830	98,599	491,337	55.23
25–30	0.006450	97,754	487,190	50.72	0.006413	97,926	488,053	50.60
30–35	0.007472	97,124	483,880	46.04	0.007442	97,298	484,753	45.91
35–40	0.010272	96,398	479,655	41.36	0.010275	96,574	480,527	41.23
40–45	0.015071	95,408	473,666	36.76	0.015115	95,581	474,517	36.63
45–50	0.022378	93,970	464,884	32.29	0.022502	94,137	465,680	32.15
50–55	0.031508	91,867	452,496	27.96	0.031719	92,018	453,195	27.83
55–60	0.048376	88,973	434,793	23.79	0.048780	89,100	435,329	23.66
60–65	0.073775	84,668	408,625	19.86	0.074510	84,753	408,888	19.73
65–70	0.110357	78,422	371,562	16.23	0.111730	78,438	371,383	16.11
70–75	0.167512	69,768	320,928	12.92	0.169723	69,674	320,131	12.81
75–80	0.254720	58,081	254,441	10.00	0.258482	57,849	252,897	9.89
80–85	0.374062	43,286	175,873	7.54	0.379593	42,896	173,693	7.44
85–90	0.522162	27,095	98,422	5.55	0.529624	26,613	96,153	5.47
90–95	0.682428	12,947	40,106	4.01	0.690747	12,518	38,488	3.95
95–100	0.825531	4,112	10,304	2.87	0.832613	3,871	9,619	2.82
100 and over	1.000000	717	1,490	2.08	1.000000	648	1,315	2.03
	Accidents (unintentional injuries) (V01–X59,Y85–Y86)				Motor vehicle accidents (V02–V04,V09.0, V09.2,V12–V14,V19.0–V19.2,V19.4–V19.6,V20–V79, V80.3–V80.5,V81.0–V81.1,V82.0–V82.1,V83–V86, V87.0–V87.8,V88.0–V88.8,V89.0,V89.2)			
0–1	0.007365	100,000	99,403	75.23	0.007573	100,000	99,386	74.69
1–5	0.000900	99,263	396,842	74.79	0.001262	99,243	396,674	74.26
5–10	0.000481	99,174	495,743	70.86	0.000671	99,117	495,409	70.35
10–15	0.000695	99,126	495,510	65.89	0.000904	99,051	495,096	65.40
15–20	0.002430	99,057	494,754	60.93	0.003012	98,961	494,146	60.46
20–25	0.003944	98,817	493,124	56.08	0.004854	98,663	492,137	55.63
25–30	0.004140	98,427	491,113	51.29	0.005064	98,184	489,675	50.89
30–35	0.005347	98,020	488,841	46.49	0.006381	97,687	486,942	46.14
35–40	0.007939	97,495	485,651	41.73	0.009260	97,064	483,199	41.42
40–45	0.012540	96,721	480,761	37.04	0.014108	96,165	477,642	36.78
45–50	0.019994	95,508	473,032	32.48	0.021559	94,808	469,214	32.27
50–55	0.029588	93,599	461,450	28.08	0.030873	92,764	457,055	27.92
55–60	0.046807	90,829	444,200	23.86	0.047941	89,900	439,419	23.72
60–65	0.072522	86,578	418,097	19.90	0.073727	85,591	413,085	19.79
65–70	0.109602	80,299	380,600	16.25	0.110939	79,280	375,518	16.15
70–75	0.167056	71,498	328,966	12.93	0.168821	70,485	324,007	12.84
75–80	0.254566	59,554	260,917	10.00	0.257324	58,586	256,282	9.91
80–85	0.374047	44,394	180,374	7.53	0.378344	43,510	176,316	7.46
85–90	0.522443	27,788	100,922	5.54	0.528411	27,048	97,812	5.48
90–95	0.682748	13,270	41,097	4.01	0.690011	12,756	39,244	3.95
95–100	0.826409	4,210	10,539	2.86	0.832337	3,954	9,828	2.83
100 and over	1.000000	731	1,514	2.07	1.000000	663	1,345	2.03

Table 2. Abridged life tables for all causes of death combined and eliminating specified causes, for the male population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table02.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

| Age (years) | Of 100,000 born alive | | | | Of 100,000 born alive | | | |
| | Probability of dying between ages x and x + n | Number surviving to age x | Person-years lived between ages x and x + n | Expectation of life at age x | Probability of dying between ages x and x + n | Number surviving to age x | Person-years lived between ages x and x + n | Expectation of life at age x |
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	All other accidents (V01,V05–V06,V09.1,V09.3,V09.9, V10–V11,V15–V18,V19.3,V19.8–V19.9,V80.0–V80.2, V80.6–V80.9,V81.2–V81.9,V82.2–V82.9,V87.9,V88.9, V89.1,V89.3–V89.9,V90–V99,W00–X59,Y85–Y86)				Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)			
0–1	0.007406	100,000	99,400	74.67	0.007614	100,000	99,383	74.53
1–5	0.001081	99,259	396,783	74.22	0.001443	99,239	396,615	74.10
5–10	0.000690	99,152	495,577	70.30	0.000877	99,095	495,244	70.21
10–15	0.000983	99,084	495,246	65.35	0.001091	99,008	494,851	65.26
15–20	0.004113	98,986	494,028	60.41	0.004045	98,900	493,615	60.33
20–25	0.005991	98,579	491,441	55.65	0.005852	98,500	491,082	55.57
25–30	0.005550	97,988	488,578	50.97	0.005462	97,924	488,278	50.88
30–35	0.006477	97,445	485,710	46.24	0.006491	97,389	485,430	46.14
35–40	0.009020	96,814	482,008	41.52	0.009237	96,757	481,676	41.43
40–45	0.013621	95,940	476,635	36.87	0.014040	95,863	476,158	36.79
45–50	0.021021	94,634	468,469	32.35	0.021435	94,517	467,801	32.28
50–55	0.030533	92,644	456,537	27.99	0.030767	92,491	455,732	27.93
55–60	0.047754	89,816	439,042	23.78	0.047871	89,646	438,187	23.73
60–65	0.073424	85,526	412,837	19.84	0.073732	85,354	411,943	19.79
65–70	0.110506	79,247	375,441	16.21	0.110887	79,061	374,489	16.15
70–75	0.168077	70,489	324,153	12.89	0.168712	70,294	323,147	12.84
75–80	0.255861	58,642	256,736	9.97	0.257261	58,435	255,630	9.91
80–85	0.375477	43,638	177,146	7.51	0.378307	43,402	175,880	7.46
85–90	0.523859	27,253	98,876	5.53	0.528452	26,982	97,571	5.48
90–95	0.683677	12,976	40,151	4.00	0.690004	12,724	39,146	3.95
95–100	0.826849	4,105	10,270	2.86	0.832327	3,944	9,803	2.83
100 and over	1.000000	711	1,472	2.07	1.000000	661	1,342	2.03
	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)				Alcohol-induced causes (F10,G31.2,G62.1,I42.6, K29.2,K70,R78.0,X45,X65,Y15)			
0–1	0.007519	100,000	99,391	74.43	0.007614	100,000	99,383	74.33
1–5	0.001339	99,248	396,678	73.99	0.001443	99,239	396,615	73.90
5–10	0.000840	99,115	495,353	70.08	0.000880	99,095	495,243	70.01
10–15	0.001125	99,032	494,963	65.14	0.001191	99,008	494,832	65.07
15–20	0.003892	98,921	493,749	60.21	0.004680	98,890	493,425	60.14
20–25	0.005537	98,536	491,334	55.44	0.006871	98,427	490,472	55.41
25–30	0.005431	97,990	488,614	50.73	0.006410	97,751	487,184	50.78
30–35	0.006753	97,458	485,711	45.99	0.007348	97,125	483,912	46.09
35–40	0.009728	96,800	481,776	41.29	0.009925	96,411	479,797	41.41
40–45	0.014660	95,858	475,992	36.67	0.014407	95,454	474,044	36.80
45–50	0.022153	94,453	467,321	32.17	0.021360	94,079	465,648	32.30
50–55	0.031488	92,360	454,929	27.84	0.030493	92,069	453,713	27.94
55–60	0.048610	89,452	437,086	23.66	0.047496	89,262	436,390	23.74
60–65	0.074422	85,104	410,596	19.74	0.073176	85,022	410,453	19.79
65–70	0.111663	78,770	372,966	16.11	0.110561	78,801	373,317	16.14
70–75	0.169703	69,974	321,513	12.81	0.168826	70,088	322,183	12.82
75–80	0.258494	58,100	253,990	9.89	0.257825	58,256	254,767	9.90
80–85	0.379655	43,081	174,436	7.44	0.379273	43,236	175,104	7.45
85–90	0.529732	26,725	96,551	5.47	0.529504	26,838	96,973	5.47
90–95	0.690875	12,568	38,636	3.95	0.690767	12,627	38,822	3.95
95–100	0.832705	3,885	9,652	2.82	0.832684	3,905	9,701	2.82
100 and over	1.000000	650	1,318	2.03	1.000000	653	1,325	2.03

Table 2. Abridged life tables for all causes of death combined and eliminating specified causes, for the male population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table02.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)		Of 100,000 born alive				Of 100,000 born alive		
	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Drug-induced causes (F11.0–F11.5,F11.7–F11.9, F12.0–F12.5,F12.7–F12.9,F13.0–F13.5,F13.7–F13.9, F14.0–F14.5,F14.7–F14.9,F15.0–F15.5,F15.7–F15.9, F16.0–F16.5,F16.7–F16.9,F17.0,F17.3–F17.5,F17.7–F17.9, F18.0–F18.5,F18.7–F18.9,F19.0–F19.5,F19.7–F19.9, X40–X44,X60–X64,X85,Y10–Y14)				Injury by firearms (*U01.4, W32–W34,X72–X74,X93–X95,Y22–Y24,Y35.0)			
0–1	0.007608	100,000	99,384	74.36	0.007611	100,000	99,383	74.59
1–5	0.001436	99,239	396,619	73.93	0.001426	99,239	396,620	74.16
5–10	0.000878	99,097	495,250	70.03	0.000856	99,097	495,259	70.27
10–15	0.001183	99,010	494,841	65.09	0.001079	99,013	494,874	65.33
15–20	0.004540	98,893	493,467	60.17	0.003547	98,906	493,751	60.39
20–25	0.006463	98,444	490,651	55.43	0.005036	98,555	491,552	55.60
25–30	0.005920	97,807	487,584	50.77	0.005016	98,059	489,059	50.87
30–35	0.006793	97,228	484,558	46.06	0.006404	97,567	486,336	46.11
35–40	0.009351	96,568	480,709	41.36	0.009363	96,942	482,568	41.39
40–45	0.013990	95,665	475,184	36.72	0.014269	96,034	476,956	36.76
45–50	0.021469	94,326	466,849	32.21	0.021703	94,664	468,467	32.25
50–55	0.031147	92,301	454,714	27.85	0.030984	92,609	456,267	27.91
55–60	0.048538	89,426	436,977	23.66	0.048054	89,740	438,610	23.72
60–65	0.074427	85,086	410,509	19.74	0.073846	85,428	412,275	19.78
65–70	0.111690	78,753	372,881	16.11	0.111008	79,119	374,742	16.15
70–75	0.169713	69,957	321,432	12.81	0.168854	70,336	323,317	12.83
75–80	0.258476	58,085	253,927	9.89	0.257442	58,460	255,714	9.91
80–85	0.379630	43,071	174,398	7.44	0.378560	43,410	175,885	7.46
85–90	0.529670	26,720	96,536	5.47	0.528735	26,977	97,529	5.48
90–95	0.690803	12,567	38,637	3.95	0.690250	12,713	39,105	3.95
95–100	0.832678	3,886	9,654	2.82	0.832440	3,938	9,786	2.83
100 and over	1.000000	650	1,319	2.03	1.000000	660	1,338	2.03

Table 3. Abridged life tables for all causes of death combined and eliminating specified causes, for the female population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table03.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and $x + n$			Number surviving to age x	Person-years lived between ages x and $x + n$	
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Eliminating no cause				Septicemia (A40–A41)			
0–1	0.006249	100,000	99,492	79.47	0.006185	100,000	99,497	79.63
1–5	0.001153	99,375	397,228	78.97	0.001130	99,382	397,259	79.12
5–10	0.000712	99,261	496,115	75.06	0.000703	99,269	496,161	75.21
10–15	0.000794	99,190	495,784	70.11	0.000786	99,199	495,833	70.26
15–20	0.001977	99,111	495,101	65.16	0.001967	99,121	495,155	65.31
20–25	0.002354	98,915	494,002	60.29	0.002337	98,926	494,062	60.44
25–30	0.002677	98,682	492,774	55.42	0.002653	98,695	492,844	55.57
30–35	0.003718	98,418	491,238	50.57	0.003677	98,433	491,324	50.71
35–40	0.005706	98,052	488,956	45.75	0.005641	98,072	489,067	45.89
40–45	0.008667	97,493	485,479	40.99	0.008563	97,518	485,630	41.13
45–50	0.012651	96,648	480,370	36.33	0.012479	96,683	480,585	36.47
50–55	0.019034	95,425	472,883	31.76	0.018770	95,477	473,198	31.89
55–60	0.030363	93,609	461,447	27.32	0.029933	93,685	461,914	27.45
60–65	0.047748	90,767	443,698	23.10	0.047084	90,880	444,396	23.22
65–70	0.071892	86,433	417,464	19.12	0.070870	86,601	418,489	19.23
70–75	0.111050	80,219	380,196	15.40	0.109689	80,464	381,653	15.50
75–80	0.180274	71,311	326,085	11.99	0.177768	71,654	328,081	12.08
80–85	0.284406	58,455	251,931	9.05	0.280818	58,916	254,432	9.12
85–90	0.427770	41,830	164,064	6.62	0.422902	42,372	166,708	6.68
90–95	0.600620	23,936	81,336	4.71	0.595482	24,453	83,425	4.76
95–100	0.771663	9,560	26,493	3.29	0.767252	9,891	27,539	3.32
100 and over	1.000000	2,183	5,004	2.29	1.000000	2,302	5,337	2.32
	Human immunodeficiency virus (HIV) disease (B20–B24)				Malignant neoplasms (C00–C97)			
0–1	0.006248	100,000	99,492	79.54	0.006231	100,000	99,494	82.58
1–5	0.001149	99,375	397,230	79.04	0.001054	99,377	397,259	82.10
5–10	0.000706	99,261	496,119	75.13	0.000597	99,272	496,204	78.18
10–15	0.000787	99,191	495,791	70.18	0.000679	99,213	495,923	73.23
15–20	0.001968	99,113	495,111	65.23	0.001828	99,146	495,307	68.28
20–25	0.002309	98,918	494,026	60.36	0.002140	98,964	494,299	63.40
25–30	0.002545	98,689	492,840	55.49	0.002324	98,752	493,208	58.53
30–35	0.003463	98,438	491,396	50.62	0.003034	98,523	491,918	53.66
35–40	0.005389	98,097	489,253	45.79	0.004312	98,224	490,132	48.81
40–45	0.008326	97,569	485,935	41.02	0.006013	97,801	487,621	44.01
45–50	0.012390	96,756	480,968	36.35	0.008003	97,212	484,236	39.26
50–55	0.018872	95,558	473,575	31.77	0.011172	96,434	479,655	34.56
55–60	0.030264	93,754	462,185	27.33	0.017569	95,357	472,896	29.92
60–65	0.047672	90,917	444,448	23.10	0.028527	93,682	462,159	25.40
65–70	0.071840	86,583	418,199	19.12	0.045721	91,009	445,202	21.07
70–75	0.111025	80,362	380,882	15.40	0.076339	86,848	418,688	16.96
75–80	0.180260	71,440	326,680	11.99	0.137280	80,218	374,991	13.14
80–85	0.284400	58,562	252,394	9.05	0.238181	69,206	306,028	9.81
85–90	0.427767	41,907	164,367	6.62	0.385706	52,722	212,373	7.07
90–95	0.600614	23,981	81,487	4.71	0.568880	32,387	112,793	4.96
95–100	0.771659	9,578	26,543	3.29	0.751820	13,963	39,496	3.42
100 and over	1.000000	2,187	5,014	2.29	1.000000	3,465	8,232	2.38

See footnote at end of table.

Table 3. Abridged life tables for all causes of death combined and eliminating specified causes, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table03.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasms of colon, rectum and anus (C18–C21)				Malignant neoplasm of pancreas (C25)			
0–1	0.006249	100,000	99,492	79.74	0.006249	100,000	99,492	79.62
1–5	0.001153	99,375	397,228	79.24	0.001153	99,375	397,228	79.12
5–10	0.000712	99,261	496,115	75.33	0.000712	99,261	496,115	75.21
10–15	0.000793	99,190	495,784	70.39	0.000793	99,190	495,784	70.26
15–20	0.001974	99,111	495,102	65.44	0.001977	99,111	495,101	65.31
20–25	0.002346	98,916	494,005	60.56	0.002353	98,915	494,003	60.44
25–30	0.002658	98,683	492,784	55.70	0.002675	98,683	492,775	55.57
30–35	0.003673	98,421	491,263	50.84	0.003709	98,419	491,242	50.72
35–40	0.005613	98,060	489,014	46.02	0.005678	98,054	488,969	45.90
40–45	0.008479	97,509	485,603	41.26	0.008592	97,497	485,516	41.14
45–50	0.012281	96,682	480,625	36.59	0.012498	96,659	480,461	36.48
50–55	0.018404	95,495	473,370	32.02	0.018714	95,451	473,083	31.90
55–60	0.029359	93,738	462,300	27.57	0.029776	93,665	461,850	27.46
60–65	0.046134	90,986	445,111	23.32	0.046780	90,876	444,438	23.22
65–70	0.069605	86,788	419,650	19.32	0.070452	86,625	418,686	19.23
70–75	0.107773	80,747	383,321	15.57	0.108953	80,522	382,028	15.49
75–80	0.175743	72,045	330,216	12.13	0.177593	71,749	328,544	12.06
80–85	0.278710	59,383	256,752	9.15	0.281414	59,007	254,736	9.09
85–90	0.421348	42,833	168,689	6.69	0.425026	42,401	166,598	6.65
90–95	0.594754	24,785	84,608	4.76	0.598553	24,380	82,977	4.73
95–100	0.767696	10,044	27,951	3.32	0.770460	9,787	27,158	3.30
100 and over	1.000000	2,333	5,387	2.31	1.000000	2,247	5,162	2.30
	Malignant neoplasms of trachea, bronchus and lung (C33–C34)				Malignant neoplasm of breast (C50)			
0–1	0.006249	100,000	99,492	80.20	0.006249	100,000	99,492	79.96
1–5	0.001153	99,375	397,228	79.70	0.001153	99,375	397,228	79.46
5–10	0.000712	99,261	496,115	75.79	0.000712	99,261	496,115	75.55
10–15	0.000793	99,190	495,784	70.84	0.000793	99,190	495,784	70.60
15–20	0.001976	99,111	495,102	65.90	0.001976	99,111	495,101	65.66
20–25	0.002351	98,915	494,004	61.02	0.002349	98,915	494,004	60.78
25–30	0.002669	98,683	492,778	56.16	0.002633	98,683	492,788	55.92
30–35	0.003683	98,419	491,252	51.30	0.003538	98,423	491,304	51.06
35–40	0.005566	98,057	489,011	46.48	0.005284	98,075	489,165	46.23
40–45	0.008258	97,511	485,664	41.73	0.007869	97,557	485,980	41.46
45–50	0.011839	96,706	480,843	37.05	0.011340	96,789	481,370	36.77
50–55	0.017344	95,561	473,934	32.46	0.017030	95,692	474,651	32.16
55–60	0.026914	93,904	463,652	27.99	0.027732	94,062	464,255	27.67
60–65	0.042005	91,376	447,905	23.69	0.044597	91,453	447,729	23.39
65–70	0.063731	87,538	424,493	19.61	0.068289	87,375	422,759	19.35
70–75	0.100576	81,959	390,458	15.77	0.106706	81,408	386,662	15.58
75–80	0.168751	73,716	339,097	12.24	0.175161	72,721	333,417	12.12
80–85	0.274332	61,276	265,588	9.19	0.278933	59,983	259,314	9.14
85–90	0.420903	44,466	175,173	6.68	0.422469	43,252	170,219	6.68
90–95	0.596864	25,750	87,758	4.74	0.596210	24,979	85,174	4.75
95–100	0.769953	10,381	28,820	3.31	0.768414	10,086	28,048	3.32
100 and over	1.000000	2,388	5,490	2.30	1.000000	2,336	5,393	2.31

See footnote at end of table.

Table 3. Abridged life tables for all causes of death combined and eliminating specified causes, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table03.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive — Number surviving to age x	Of 100,000 born alive — Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive — Number surviving to age x	Of 100,000 born alive — Person-years lived between ages x and x + n	Expectation of life at age x
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasm of prostate (C61)				Diabetes mellitus (E10–E14)			
0–1	...	...	...	...	0.006249	100,000	99,492	79.83
1–5	...	...	...	...	0.001151	99,375	397,229	79.33
5–10	...	...	...	...	0.000710	99,261	496,117	75.42
10–15	...	...	...	...	0.000788	99,190	495,787	70.47
15–20	...	...	...	...	0.001966	99,112	495,108	65.53
20–25	...	...	...	...	0.002328	98,917	494,019	60.65
25–30	...	...	...	...	0.002628	98,687	492,809	55.79
30–35	...	...	...	...	0.003640	98,428	491,303	50.93
35–40	...	...	...	...	0.005578	98,069	489,071	46.10
40–45	...	...	...	...	0.008451	97,522	485,676	41.35
45–50	...	...	...	...	0.012267	96,698	480,707	36.68
50–55	...	...	...	...	0.018320	95,512	473,473	32.10
55–60	...	...	...	...	0.029098	93,762	462,478	27.65
60–65	...	...	...	...	0.045656	91,034	445,450	23.40
65–70	...	...	...	...	0.068754	86,878	420,258	19.39
70–75	...	...	...	...	0.106578	80,904	384,295	15.62
75–80	...	...	...	...	0.174035	72,282	331,595	12.17
80–85	...	...	...	...	0.276698	59,702	258,423	9.18
85–90	...	...	...	...	0.419638	43,183	170,254	6.71
90–95	...	...	...	...	0.593512	25,062	85,635	4.77
95–100	...	...	...	...	0.766464	10,187	28,385	3.33
100 and over	...	...	...	...	1.000000	2,379	5,512	2.32
	Alzheimer's disease (G30)				Major cardiovascular diseases (I00–I78)			
0–1	0.006249	100,000	99,492	79.66	0.006100	100,000	99,504	84.85
1–5	0.001153	99,375	397,228	79.16	0.001092	99,390	397,302	84.37
5–10	0.000712	99,261	496,115	75.25	0.000680	99,281	496,228	80.46
10–15	0.000794	99,190	495,784	70.30	0.000744	99,214	495,915	75.52
15–20	0.001977	99,111	495,101	65.36	0.001881	99,140	495,268	70.57
20–25	0.002354	98,915	494,002	60.48	0.002184	98,954	494,236	65.70
25–30	0.002677	98,682	492,774	55.62	0.002416	98,738	493,112	60.84
30–35	0.003717	98,418	491,238	50.76	0.003259	98,499	491,747	55.98
35–40	0.005706	98,052	488,956	45.94	0.004853	98,178	489,778	51.15
40–45	0.008666	97,493	485,479	41.19	0.007101	97,701	486,877	46.39
45–50	0.012648	96,648	480,371	36.53	0.010091	97,008	482,741	41.70
50–55	0.019020	95,426	472,888	31.96	0.014696	96,029	476,847	37.10
55–60	0.030306	93,611	461,468	27.53	0.022789	94,618	468,083	32.61
60–65	0.047589	90,774	443,766	23.30	0.034681	92,461	454,808	28.31
65–70	0.071490	86,454	417,648	19.34	0.050350	89,255	435,643	24.23
70–75	0.109772	80,273	380,694	15.62	0.074462	84,761	408,998	20.38
75–80	0.176518	71,461	327,410	12.22	0.113049	78,449	371,227	16.80
80–85	0.275638	58,847	254,873	9.28	0.167048	69,581	319,696	13.61
85–90	0.412783	42,627	168,798	6.83	0.240329	57,957	254,690	10.82
90–95	0.580963	25,031	86,368	4.88	0.339049	44,028	180,327	8.46
95–100	0.753509	10,489	29,619	3.41	0.468575	29,101	106,122	6.61
100 and over	1.000000	2,585	6,184	2.39	1.000000	15,465	86,115	5.57

See footnote at end of table.

Table 3. Abridged life tables for all causes of death combined and eliminating specified causes, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table03.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Diseases of heart (I00–I09,I11,I13,I20–I51)				Hypertensive heart disease (I11)			
0–1	0.006126	100,000	99,502	82.88	0.006249	100,000	99,492	79.58
1–5	0.001108	99,387	397,288	82.39	0.001153	99,375	397,228	79.08
5–10	0.000687	99,277	496,205	78.48	0.000712	99,261	496,115	75.17
10–15	0.000758	99,209	495,887	73.53	0.000793	99,190	495,784	70.22
15–20	0.001902	99,134	495,231	68.58	0.001976	99,111	495,102	65.27
20–25	0.002227	98,945	494,183	63.71	0.002350	98,915	494,004	60.40
25–30	0.002482	98,725	493,033	58.85	0.002667	98,683	492,779	55.53
30–35	0.003380	98,480	491,623	53.99	0.003693	98,420	491,251	50.67
35–40	0.005093	98,147	489,569	49.16	0.005656	98,056	488,987	45.85
40–45	0.007552	97,647	486,503	44.40	0.008572	97,502	485,545	41.10
45–50	0.010809	96,910	482,090	39.72	0.012495	96,666	480,495	36.43
50–55	0.015763	95,862	475,781	35.12	0.018815	95,458	473,095	31.86
55–60	0.024525	94,351	466,384	30.64	0.030029	93,662	461,781	27.42
60–65	0.037625	92,037	452,088	26.34	0.047308	90,849	444,196	23.18
65–70	0.055450	88,574	431,253	22.27	0.071295	86,551	418,160	19.20
70–75	0.083854	83,663	401,857	18.42	0.110151	80,381	381,133	15.47
75–80	0.131991	76,647	359,259	14.87	0.178751	71,527	327,331	12.06
80–85	0.202209	66,531	300,006	11.73	0.281799	58,741	253,536	9.11
85–90	0.298639	53,078	225,448	9.05	0.423632	42,188	165,908	6.68
90–95	0.423313	37,226	144,101	6.84	0.595073	24,316	82,985	4.76
95–100	0.571506	21,468	71,906	5.15	0.765852	9,846	27,452	3.33
100 and over	1.000000	9,199	38,663	4.20	1.000000	2,305	5,382	2.33
	Ischemic heart diseases (I20–I25)				Acute myocardial infarction (I21–I22)			
0–1	0.006243	100,000	99,493	81.58	0.006245	100,000	99,492	80.20
1–5	0.001151	99,376	397,231	81.10	0.001153	99,375	397,230	79.70
5–10	0.000710	99,261	496,119	77.19	0.000711	99,261	496,117	75.79
10–15	0.000792	99,191	495,789	72.24	0.000793	99,190	495,786	70.85
15–20	0.001971	99,112	495,108	67.30	0.001974	99,112	495,104	65.90
20–25	0.002337	98,917	494,015	62.42	0.002346	98,916	494,008	61.03
25–30	0.002643	98,686	492,799	57.56	0.002660	98,684	492,786	56.16
30–35	0.003621	98,425	491,294	52.71	0.003673	98,421	491,265	51.31
35–40	0.005459	98,069	489,093	47.89	0.005603	98,060	489,018	46.48
40–45	0.008135	97,533	485,802	43.14	0.008431	97,511	485,621	41.73
45–50	0.011639	96,740	481,057	38.47	0.012194	96,688	480,675	37.06
50–55	0.016990	95,614	474,275	33.89	0.018123	95,509	473,504	32.49
55–60	0.026462	93,989	464,174	29.43	0.028616	93,778	462,663	28.04
60–65	0.040637	91,502	448,815	25.16	0.044567	91,095	445,981	23.79
65–70	0.060159	87,784	426,426	21.11	0.066785	87,035	421,425	19.77
70–75	0.091544	82,503	394,796	17.30	0.102998	81,223	386,487	16.00
75–80	0.145784	74,950	348,854	13.77	0.166721	72,857	335,495	12.53
80–85	0.226816	64,024	284,878	10.67	0.263346	60,710	264,752	9.51
85–90	0.340237	49,502	205,073	8.05	0.398952	44,722	178,655	6.99
90–95	0.485471	32,660	121,009	5.92	0.568752	26,880	93,624	4.99
95–100	0.648260	16,804	52,560	4.31	0.743779	11,592	33,059	3.49
100 and over	1.000000	5,911	19,786	3.35	1.000000	2,970	7,351	2.47

See footnote at end of table.

Table 3. Abridged life tables for all causes of death combined and eliminating specified causes, for the female population: United States, 1999–2001—Con.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

| Age (years) | Probability of dying between ages x and x + n | Of 100,000 born alive | | Expectation of life at age x | Probability of dying between ages x and x + n | Of 100,000 born alive | | Expectation of life at age x |
| | | Number surviving to age x | Person-years lived between ages x and x + n | | | Number surviving to age x | Person-years lived between ages x and x + n | |
x to x + n	$_n q_x$	l_x	$_n L_x$	e_x	$_n q_x$	l_x	$_n L_x$	e_x
	Other heart diseases (I26–I51)				Heart failure (I50)			
0–1	0.006134	100,000	99,501	80.20	0.006245	100,000	99,492	79.68
1–5	0.001110	99,387	397,284	79.69	0.001150	99,375	397,230	79.18
5–10	0.000689	99,276	496,200	75.78	0.000710	99,261	496,119	75.27
10–15	0.000761	99,208	495,881	70.83	0.000791	99,191	495,789	70.32
15–20	0.001910	99,132	495,223	65.88	0.001974	99,112	495,107	65.37
20–25	0.002250	98,943	494,166	61.00	0.002350	98,917	494,010	60.50
25–30	0.002533	98,720	492,999	56.14	0.002670	98,684	492,785	55.64
30–35	0.003510	98,470	491,546	51.27	0.003709	98,421	491,252	50.78
35–40	0.005409	98,125	489,385	46.44	0.005690	98,056	488,976	45.96
40–45	0.008211	97,594	486,087	41.68	0.008634	97,498	485,511	41.20
45–50	0.012022	96,793	481,233	37.00	0.012598	96,656	480,422	36.54
50–55	0.018091	95,629	474,104	32.42	0.018915	95,438	472,975	31.97
55–60	0.028879	93,899	463,200	27.97	0.030113	93,633	461,621	27.54
60–65	0.045375	91,187	446,260	23.72	0.047245	90,814	444,034	23.31
65–70	0.068113	87,050	421,222	19.72	0.070975	86,523	418,088	19.33
70–75	0.104859	81,120	385,647	15.97	0.109293	80,382	381,301	15.61
75–80	0.169256	72,614	333,942	12.53	0.176646	71,597	328,009	12.20
80–85	0.265262	60,324	262,787	9.55	0.277317	58,950	255,076	9.25
85–90	0.397176	44,322	177,255	7.07	0.414998	42,602	168,462	6.81
90–95	0.559706	26,718	93,705	5.09	0.581842	24,922	85,934	4.89
95–100	0.729767	11,764	34,026	3.60	0.750719	10,421	29,512	3.44
100 and over	1.000000	3,179	8,276	2.60	1.000000	2,598	6,367	2.45
	Essential (primary) hypertension and hypertensive renal disease (I10,I12)				Cerebrovascular diseases (I60–I69)			
0–1	0.006249	100,000	99,492	79.55	0.006227	100,000	99,494	80.22
1–5	0.001152	99,375	397,228	79.05	0.001139	99,377	397,240	79.72
5–10	0.000712	99,261	496,116	75.14	0.000705	99,264	496,135	75.81
10–15	0.000793	99,190	495,785	70.19	0.000781	99,194	495,808	70.86
15–20	0.001975	99,111	495,102	65.25	0.001961	99,117	495,132	65.92
20–25	0.002351	98,916	494,004	60.37	0.002321	98,922	494,045	61.04
25–30	0.002672	98,683	492,778	55.51	0.002627	98,693	492,837	56.18
30–35	0.003705	98,419	491,246	50.65	0.003624	98,433	491,335	51.32
35–40	0.005688	98,055	488,971	45.83	0.005514	98,077	489,121	46.50
40–45	0.008630	97,497	485,507	41.07	0.008305	97,536	485,776	41.74
45–50	0.012586	96,655	480,423	36.41	0.012076	96,726	480,888	37.07
50–55	0.018925	95,439	472,976	31.84	0.018209	95,558	473,724	32.49
55–60	0.030188	93,633	461,603	27.40	0.029051	93,818	462,762	28.04
60–65	0.047427	90,806	443,960	23.17	0.045621	91,092	445,742	23.80
65–70	0.071383	86,500	417,891	19.19	0.068274	86,936	420,641	19.81
70–75	0.110254	80,325	380,849	15.46	0.104323	81,001	385,181	16.07
75–80	0.178810	71,469	327,056	12.05	0.166788	72,551	334,074	12.63
80–85	0.281967	58,689	253,288	9.10	0.260136	60,450	264,089	9.63
85–90	0.424244	42,141	165,658	6.67	0.391179	44,725	179,541	7.11
90–95	0.596269	24,263	82,727	4.75	0.556847	27,229	95,705	5.09
95–100	0.767226	9,796	27,273	3.33	0.733132	12,067	34,784	3.55
100 and over	1.000000	2,280	5,300	2.32	1.000000	3,220	8,096	2.51

See footnote at end of table.

Table 3. Abridged life tables for all causes of death combined and eliminating specified causes, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table03.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Influenza and pneumonia (J10–J18)				Chronic lower respiratory diseases (J40–J47)			
0–1	0.006180	100,000	99,498	79.71	0.006241	100,000	99,493	80.03
1–5	0.001124	99,382	397,263	79.20	0.001142	99,376	397,234	79.53
5–10	0.000701	99,270	496,167	75.29	0.000702	99,262	496,127	75.62
10–15	0.000783	99,201	495,840	70.34	0.000779	99,193	495,801	70.67
15–20	0.001960	99,123	495,164	65.40	0.001959	99,115	495,127	65.72
20–25	0.002327	98,929	494,076	60.52	0.002332	98,921	494,038	60.85
25–30	0.002646	98,699	492,862	55.65	0.002647	98,691	492,822	55.98
30–35	0.003673	98,437	491,344	50.80	0.003672	98,429	491,304	51.13
35–40	0.005622	98,076	489,092	45.97	0.005632	98,068	489,051	46.30
40–45	0.008556	97,524	485,661	41.22	0.008524	97,516	485,625	41.55
45–50	0.012501	96,690	480,613	36.55	0.012388	96,684	480,611	36.89
50–55	0.018829	95,481	473,207	31.98	0.018457	95,487	473,317	32.32
55–60	0.030024	93,683	461,888	27.54	0.028969	93,724	462,319	27.87
60–65	0.047175	90,871	444,328	23.31	0.044918	91,009	445,486	23.62
65–70	0.070982	86,584	418,380	19.33	0.066746	86,921	420,882	19.61
70–75	0.109242	80,438	381,576	15.61	0.102673	81,120	386,060	15.82
75–80	0.176577	71,651	328,268	12.20	0.168231	72,791	334,931	12.33
80–85	0.277012	58,999	255,333	9.25	0.269650	60,545	263,107	9.29
85–90	0.415188	42,655	168,654	6.81	0.413201	44,219	175,058	6.78
90–95	0.582571	24,945	85,966	4.88	0.589474	25,948	88,942	4.80
95–100	0.751895	10,413	29,452	3.44	0.763979	10,652	29,758	3.34
100 and over	1.000000	2,583	6,369	2.47	1.000000	2,514	5,862	2.33
	Pneumonitis due to solids and liquids (J69)				Chronic liver disease and cirrhosis (K70,K73–K74)			
0–1	0.006246	100,000	99,492	79.52	0.006249	100,000	99,492	79.59
1–5	0.001149	99,375	397,230	79.02	0.001152	99,375	397,228	79.09
5–10	0.000710	99,261	496,119	75.11	0.000712	99,261	496,116	75.18
10–15	0.000791	99,191	495,789	70.16	0.000793	99,190	495,785	70.23
15–20	0.001975	99,112	495,107	65.22	0.001975	99,111	495,102	65.29
20–25	0.002349	98,916	494,009	60.34	0.002348	98,916	494,005	60.41
25–30	0.002671	98,684	492,784	55.48	0.002664	98,683	492,782	55.55
30–35	0.003708	98,421	491,252	50.62	0.003663	98,420	491,262	50.69
35–40	0.005697	98,056	488,974	45.80	0.005539	98,060	489,032	45.86
40–45	0.008647	97,497	485,504	41.04	0.008370	97,517	485,666	41.11
45–50	0.012625	96,654	480,406	36.38	0.012228	96,701	480,728	36.43
50–55	0.018990	95,434	472,935	31.81	0.018564	95,518	473,449	31.85
55–60	0.030290	93,621	461,525	27.37	0.029783	93,745	462,244	27.40
60–65	0.047628	90,786	443,817	23.14	0.046984	90,953	444,771	23.16
65–70	0.071690	86,462	417,646	19.17	0.070994	86,680	418,841	19.17
70–75	0.110623	80,263	380,487	15.45	0.110002	80,526	381,850	15.43
75–80	0.179347	71,384	326,579	12.04	0.179114	71,668	327,916	12.01
80–85	0.282595	58,582	252,734	9.09	0.283417	58,831	253,693	9.06
85–90	0.424759	42,027	165,155	6.66	0.427135	42,157	165,416	6.63
90–95	0.596616	24,176	82,407	4.75	0.600309	24,151	82,084	4.72
95–100	0.767885	9,752	27,133	3.32	0.771559	9,653	26,754	3.30
100 and over	1.000000	2,264	5,251	2.32	1.000000	2,205	5,056	2.29

See footnote at end of table.

Table 3. Abridged life tables for all causes of death combined and eliminating specified causes, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table03.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)				Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)			
0–1	0.006217	100,000	99,495	79.63	0.004912	100,000	99,601	79.63
1–5	0.001149	99,378	397,242	79.13	0.001023	99,509	397,793	79.02
5–10	0.000709	99,264	496,134	75.22	0.000665	99,407	496,860	75.10
10–15	0.000791	99,194	495,804	70.27	0.000745	99,341	496,549	70.15
15–20	0.001971	99,115	495,123	65.32	0.001932	99,267	495,889	65.20
20–25	0.002336	98,920	494,030	60.45	0.002304	99,075	494,813	60.32
25–30	0.002655	98,689	492,811	55.58	0.002626	98,847	493,608	55.45
30–35	0.003680	98,427	491,289	50.73	0.003663	98,587	492,094	50.59
35–40	0.005650	98,065	489,030	45.90	0.005652	98,226	489,835	45.77
40–45	0.008581	97,510	485,586	41.15	0.008607	97,671	486,380	41.01
45–50	0.012522	96,674	480,528	36.48	0.012581	96,830	481,293	36.34
50–55	0.018801	95,463	473,124	31.91	0.018952	95,612	473,827	31.77
55–60	0.029946	93,668	461,831	27.47	0.030253	93,800	462,413	27.33
60–65	0.047022	90,863	444,325	23.24	0.047630	90,962	444,679	23.10
65–70	0.070670	86,591	418,478	19.25	0.071779	86,630	418,438	19.13
70–75	0.109188	80,471	381,745	15.52	0.110947	80,411	381,128	15.40
75–80	0.177409	71,685	328,283	12.09	0.180133	71,490	326,929	11.99
80–85	0.280267	58,967	254,731	9.13	0.284237	58,612	252,632	9.05
85–90	0.422427	42,441	167,031	6.69	0.427593	41,953	164,563	6.62
90–95	0.594709	24,513	83,681	4.76	0.600469	24,014	81,609	4.72
95–100	0.766428	9,935	27,683	3.33	0.771521	9,594	26,593	3.30
100 and over	1.000000	2,320	5,392	2.32	1.000000	2,192	5,027	2.29
	Accidents (unintentional injuries) (V01–X59,Y85–Y86)				Motor vehicle accidents (V02–V04,V09.0,V09.2, V12–V14,V19.0–V19.2,V19.4–V19.6,V20–V79, V80.3–V80.5,V81.0–V81.1,V82.0–V82.1,V83–V86, V87.0–V87.8,V88.0–V88.8,V89.0,V89.2)			
0–1	0.006051	100,000	99,508	80.01	0.006208	100,000	99,495	79.76
1–5	0.000776	99,395	397,396	79.50	0.001008	99,379	397,279	79.25
5–10	0.000441	99,318	496,472	75.56	0.000548	99,279	496,251	75.33
10–15	0.000520	99,274	496,261	70.59	0.000608	99,225	495,996	70.37
15–20	0.000962	99,222	495,890	65.62	0.001100	99,164	495,568	65.41
20–25	0.001482	99,127	495,272	60.68	0.001669	99,055	494,869	60.48
25–30	0.001993	98,980	494,424	55.77	0.002208	98,890	493,922	55.58
30–35	0.003018	98,783	493,219	50.88	0.003307	98,672	492,597	50.70
35–40	0.004837	98,485	491,311	46.02	0.005249	98,345	490,522	45.86
40–45	0.007743	98,008	488,258	41.23	0.008241	97,829	487,251	41.08
45–50	0.011774	97,249	483,559	36.53	0.012246	97,023	482,326	36.40
50–55	0.018220	96,104	476,431	31.94	0.018630	95,835	475,003	31.82
55–60	0.029495	94,353	465,306	27.48	0.029916	94,049	463,716	27.37
60–65	0.046797	91,570	447,830	23.24	0.047291	91,236	446,089	23.14
65–70	0.070726	87,285	421,822	19.25	0.071379	86,921	419,929	19.15
70–75	0.109412	81,112	384,740	15.51	0.110430	80,717	382,674	15.42
75–80	0.177645	72,237	330,772	12.09	0.179496	71,803	328,470	12.01
80–85	0.280430	59,405	256,596	9.13	0.283607	58,915	254,026	9.06
85–90	0.422393	42,746	168,235	6.69	0.427141	42,206	165,606	6.63
90–95	0.594469	24,690	84,303	4.77	0.600312	24,178	82,178	4.72
95–100	0.766223	10,013	27,906	3.33	0.771538	9,664	26,785	3.30
100 and over	1.000000	2,341	5,447	2.33	1.000000	2,208	5,062	2.29

See footnote at end of table.

Table 3. Abridged life tables for all causes of death combined and eliminating specified causes, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table03.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
Age (years)								
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	All other accidents (V01,V05–V06,V09.1,V09.3,V09.9, V10–V11,V15–V18,V19.3,V19.8–V19.9,V80.0–V80.2, V80.6–V80.9,V81.2–V81.9,V82.2–V82.9,V87.9,V88.9, V89.1,V89.3–V89.9,V90–V99,W00–X59,Y85–Y86)				Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)			
0–1	0.006092	100,000	99,505	79.72	0.006249	100,000	99,492	79.58
1–5	0.000922	99,391	397,345	79.21	0.001153	99,375	397,228	79.08
5–10	0.000605	99,299	496,336	75.28	0.000712	99,261	496,115	75.17
10–15	0.000705	99,239	496,048	70.33	0.000764	99,190	495,790	70.22
15–20	0.001839	99,169	495,422	65.37	0.001841	99,114	495,147	65.27
20–25	0.002167	98,987	494,405	60.49	0.002192	98,932	494,124	60.39
25–30	0.002463	98,772	493,274	55.62	0.002478	98,715	492,983	55.51
30–35	0.003429	98,529	491,857	50.75	0.003476	98,470	491,553	50.64
35–40	0.005295	98,191	489,743	45.91	0.005414	98,128	489,400	45.81
40–45	0.008169	97,671	486,482	41.14	0.008324	97,597	486,074	41.05
45–50	0.012179	96,873	481,598	36.46	0.012308	96,784	481,126	36.37
50–55	0.018624	95,693	474,304	31.88	0.018698	95,593	473,790	31.79
55–60	0.029942	93,911	463,029	27.43	0.030070	93,806	462,481	27.34
60–65	0.047255	91,099	445,430	23.19	0.047515	90,985	444,814	23.11
65–70	0.071239	86,795	419,346	19.21	0.071705	86,662	418,608	19.13
70–75	0.110033	80,611	382,249	15.48	0.110874	80,448	381,314	15.40
75–80	0.178425	71,741	328,369	12.07	0.180089	71,528	327,111	11.99
80–85	0.281233	58,941	254,479	9.12	0.284245	58,647	252,780	9.05
85–90	0.423027	42,365	166,668	6.68	0.427651	41,977	164,652	6.62
90–95	0.594782	24,443	83,439	4.76	0.600540	24,025	81,643	4.71
95–100	0.766350	9,905	27,602	3.33	0.771629	9,597	26,598	3.29
100 and over	1.000000	2,314	5,385	2.33	1.000000	2,192	5,024	2.29
	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)				Alcohol-induced causes (F10,G31.2,G62.1,I42.6, K29.2,K70,R78.0,X45,X65,Y15)			
0–1	0.006177	100,000	99,498	79.57	0.006249	100,000	99,492	79.54
1–5	0.001063	99,382	397,278	79.06	0.001153	99,375	397,228	79.04
5–10	0.000676	99,277	496,205	75.14	0.000712	99,261	496,115	75.13
10–15	0.000753	99,210	495,891	70.19	0.000793	99,190	495,784	70.18
15–20	0.001822	99,135	495,255	65.24	0.001974	99,111	495,102	65.24
20–25	0.002105	98,954	494,258	60.36	0.002347	98,916	494,006	60.36
25–30	0.002444	98,746	493,148	55.48	0.002661	98,683	492,783	55.50
30–35	0.003491	98,505	491,722	50.61	0.003652	98,421	491,266	50.64
35–40	0.005473	98,161	489,551	45.78	0.005537	98,061	489,040	45.81
40–45	0.008469	97,624	486,176	41.02	0.008388	97,518	485,671	41.05
45–50	0.012503	96,797	481,144	36.34	0.012289	96,701	480,714	36.38
50–55	0.018918	95,587	473,709	31.77	0.018674	95,512	473,395	31.80
55–60	0.030273	93,778	462,302	27.33	0.029992	93,729	462,118	27.35
60–65	0.047665	90,939	444,560	23.10	0.047359	90,917	444,518	23.12
65–70	0.071812	86,605	418,312	19.12	0.071565	86,612	418,396	19.13
70–75	0.110970	80,386	381,001	15.40	0.110793	80,413	381,167	15.40
75–80	0.180189	71,465	326,806	11.99	0.180060	71,504	327,006	11.99
80–85	0.284328	58,588	252,514	9.05	0.284262	58,629	252,701	9.05
85–90	0.427709	41,930	164,461	6.62	0.427686	41,963	164,595	6.62
90–95	0.600580	23,996	81,541	4.71	0.600577	24,016	81,610	4.71
95–100	0.771644	9,584	26,563	3.29	0.771634	9,593	26,585	3.29
100 and over	1.000000	2,189	5,018	2.29	1.000000	2,191	5,022	2.29

See footnote at end of table.

Table 3. Abridged life tables for all causes of death combined and eliminating specified causes, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table03.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Drug-induced causes (F11.0–F11.5,F11.7–F11.9, F12.0–F12.5,F12.7–F12.9,F13.0–F13.5,F13.7–F13.9, F14.0–F14.5,F14.7–F14.9,F15.0–F15.5,F15.7–F15.9, F16.0–F16.5,F16.7–F16.9,F17.0,F17.3–F17.5,F17.7–F17.9, F18.0–F18.5,F18.7–F18.9,F19.0–F19.5,F19.7–F19.9, X40–X44,X60–X64,X85,Y10–Y14)				Injury by firearms (*U01.4, W32–W34,X72–X74,X93–X95,Y22–Y24,Y35.0)			
0–1	0.006246	100,000	99,492	79.59	0.006247	100,000	99,492	79.56
1–5	0.001149	99,375	397,230	79.09	0.001139	99,375	397,232	79.05
5–10	0.000709	99,261	496,119	75.18	0.000698	99,262	496,126	75.14
10–15	0.000787	99,191	495,790	70.23	0.000763	99,193	495,805	70.19
15–20	0.001909	99,113	495,125	65.29	0.001829	99,117	495,165	65.25
20–25	0.002205	98,924	494,080	60.41	0.002146	98,936	494,155	60.36
25–30	0.002471	98,705	492,938	55.53	0.002477	98,723	493,027	55.48
30–35	0.003405	98,462	491,526	50.67	0.003516	98,479	491,587	50.62
35–40	0.005244	98,126	489,431	45.83	0.005480	98,133	489,408	45.79
40–45	0.008093	97,612	486,202	41.06	0.008458	97,595	486,035	41.02
45–50	0.012143	96,822	481,349	36.37	0.012469	96,769	481,015	36.35
50–55	0.018671	95,646	474,058	31.78	0.018862	95,563	473,603	31.78
55–60	0.030119	93,860	462,739	27.34	0.030204	93,760	462,228	27.34
60–65	0.047584	91,033	445,036	23.10	0.047613	90,928	444,517	23.10
65–70	0.071777	86,701	418,786	19.13	0.071774	86,599	418,291	19.12
70–75	0.110932	80,478	381,448	15.40	0.110944	80,383	380,996	15.40
75–80	0.180136	71,551	327,206	11.99	0.180176	71,465	326,809	11.99
80–85	0.284266	58,662	252,842	9.05	0.284331	58,589	252,519	9.05
85–90	0.427638	41,986	164,691	6.62	0.427716	41,930	164,463	6.62
90–95	0.600518	24,031	81,665	4.71	0.600598	23,996	81,540	4.71
95–100	0.771606	9,600	26,607	3.30	0.771656	9,584	26,561	3.29
100 and over	1.000000	2,193	5,027	2.29	1.000000	2,188	5,017	2.29

. . . Category not applicable.

Table 4. Abridged life tables for all causes of death combined and eliminating specified causes, for white males: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table04.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

| Age (years) | Of 100,000 born alive | | Expectation of life at age x | | Of 100,000 born alive | | Expectation of life at age x |
| | Probability of dying between ages x and x + n | Number surviving to age x | Person-years lived between ages x and x + n | | Probability of dying between ages x and x + n | Number surviving to age x | Person-years lived between ages x and x + n | |
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Eliminating no cause				Septicemia (A40–A41)			
0–1	0.006269	100,000	99,492	74.78	0.006209	100,000	99,497	74.89
1–5	0.001306	99,373	397,188	74.25	0.001283	99,379	397,218	74.36
5–10	0.000808	99,243	496,001	70.34	0.000797	99,252	496,046	70.45
10–15	0.001118	99,163	495,621	65.40	0.001110	99,173	495,669	65.51
15–20	0.004406	99,052	494,288	60.47	0.004396	99,062	494,341	60.57
20–25	0.006215	98,616	491,563	55.72	0.006197	98,627	491,623	55.83
25–30	0.005788	98,003	488,591	51.05	0.005766	98,016	488,661	51.16
30–35	0.006788	97,436	485,597	46.34	0.006753	97,451	485,680	46.44
35–40	0.009459	96,774	481,713	41.64	0.009400	96,792	481,817	41.74
40–45	0.013865	95,859	476,172	37.01	0.013762	95,883	476,313	37.11
45–50	0.020536	94,530	468,067	32.49	0.020372	94,563	468,269	32.59
50–55	0.029216	92,588	456,569	28.12	0.028959	92,637	456,863	28.22
55–60	0.045725	89,883	439,836	23.88	0.045327	89,954	440,265	23.98
60–65	0.071309	85,773	414,511	19.90	0.070661	85,877	415,140	19.99
65–70	0.108188	79,657	377,878	16.22	0.107133	79,808	378,796	16.31
70–75	0.166027	71,039	327,090	12.87	0.164356	71,258	328,383	12.95
75–80	0.255270	59,245	259,552	9.92	0.252569	59,547	261,265	9.98
80–85	0.378419	44,121	178,868	7.43	0.374676	44,507	180,848	7.49
85–90	0.531807	27,425	98,963	5.43	0.527335	27,831	100,755	5.48
90–95	0.696367	12,840	39,249	3.90	0.691985	13,155	40,371	3.93
95–100	0.839642	3,899	9,566	2.77	0.836379	4,052	9,982	2.79
100 and over	1.000000	625	1,237	1.98	1.000000	663	1,323	2.00
	Human immunodeficiency virus (HIV) disease (B20–B24)				Malignant neoplasms (C00–C97)			
0–1	0.006268	100,000	99,492	74.88	0.006249	100,000	99,494	77.97
1–5	0.001305	99,373	397,189	74.35	0.001185	99,375	397,224	77.46
5–10	0.000805	99,243	496,003	70.45	0.000678	99,257	496,106	73.55
10–15	0.001115	99,164	495,624	65.50	0.000986	99,190	495,778	68.60
15–20	0.004403	99,053	494,293	60.57	0.004196	99,092	494,534	63.66
20–25	0.006194	98,617	491,574	55.83	0.005921	98,676	491,936	58.92
25–30	0.005679	98,006	488,634	51.16	0.005427	98,092	489,124	54.25
30–35	0.006431	97,450	485,750	46.44	0.006229	97,560	486,346	49.54
35–40	0.008849	96,823	482,094	41.72	0.008441	96,952	482,831	44.83
40–45	0.013235	95,966	476,847	37.07	0.011780	96,134	478,008	40.19
45–50	0.019985	94,696	469,013	32.53	0.016216	95,001	471,371	35.64
50–55	0.028809	92,803	457,719	28.14	0.021131	93,461	462,651	31.18
55–60	0.045442	90,130	441,102	23.90	0.030683	91,486	450,886	26.80
60–65	0.071142	86,034	415,805	19.91	0.046362	88,679	433,744	22.56
65–70	0.108080	79,914	379,116	16.23	0.071162	84,567	408,586	18.53
70–75	0.165969	71,277	328,193	12.87	0.115243	78,549	371,176	14.75
75–80	0.255233	59,447	260,443	9.92	0.191940	69,497	315,141	11.33
80–85	0.378407	44,274	179,489	7.43	0.309334	56,158	237,363	8.40
85–90	0.531803	27,520	99,308	5.43	0.465980	38,786	146,641	6.05
90–95	0.696365	12,885	39,386	3.90	0.645851	20,713	66,232	4.25
95–100	0.839630	3,912	9,599	2.77	0.808131	7,335	18,699	2.96
100 and over	1.000000	627	1,242	1.98	1.000000	1,407	3,002	2.13

Table 4. Abridged life tables for all causes of death combined and eliminating specified causes, for white males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table04.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)		Of 100,000 born alive				Of 100,000 born alive		
	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
Malignant neoplasms of colon, rectum and anus (C18–C21)					Malignant neoplasm of pancreas (C25)			
0–1	0.006269	100,000	99,492	75.05	0.006269	100,000	99,492	74.92
1–5	0.001306	99,373	397,188	74.52	0.001306	99,373	397,188	74.39
5–10	0.000808	99,243	496,001	70.62	0.000808	99,243	496,001	70.49
10–15	0.001118	99,163	495,621	65.67	0.001118	99,163	495,621	65.54
15–20	0.004404	99,052	494,289	60.74	0.004406	99,052	494,288	60.61
20–25	0.006207	98,616	491,567	56.00	0.006214	98,616	491,564	55.87
25–30	0.005767	98,004	488,601	51.33	0.005784	98,003	488,593	51.20
30–35	0.006738	97,439	485,624	46.61	0.006777	97,436	485,603	46.49
35–40	0.009351	96,782	481,778	41.91	0.009418	96,776	481,731	41.79
40–45	0.013670	95,877	476,307	37.28	0.013762	95,864	476,223	37.16
45–50	0.020116	94,566	468,343	32.76	0.020277	94,545	468,202	32.64
50–55	0.028429	92,664	457,114	28.38	0.028704	92,628	456,877	28.26
55–60	0.044320	90,030	440,848	24.14	0.044850	89,969	440,441	24.02
60–65	0.069001	86,040	416,264	20.13	0.069909	85,934	415,571	20.02
65–70	0.104802	80,103	380,635	16.43	0.106244	79,927	379,525	16.32
70–75	0.161313	71,708	330,975	13.04	0.163585	71,435	329,328	12.95
75–80	0.249238	60,140	264,357	10.05	0.252255	59,749	262,200	9.97
80–85	0.371597	45,151	183,813	7.53	0.375359	44,677	181,464	7.47
85–90	0.524833	28,373	102,903	5.50	0.529251	27,907	100,890	5.46
90–95	0.690444	13,482	41,433	3.94	0.694652	13,137	40,220	3.91
95–100	0.835795	4,173	10,289	2.79	0.838668	4,011	9,854	2.78
100 and over	1.000000	685	1,370	2.00	1.000000	647	1,282	1.98
Malignant neoplasms of trachea, bronchus and lung (C33–C34)					Malignant neoplasm of breast (C50)			
0–1	0.006269	100,000	99,492	75.72	0.006269	100,000	99,492	74.78
1–5	0.001306	99,373	397,188	75.20	0.001306	99,373	397,188	74.25
5–10	0.000807	99,243	496,002	71.29	0.000808	99,243	496,001	70.35
10–15	0.001118	99,163	495,622	66.35	0.001118	99,163	495,621	65.40
15–20	0.004405	99,052	494,289	61.42	0.004406	99,052	494,288	60.47
20–25	0.006210	98,616	491,566	56.68	0.006215	98,616	491,563	55.73
25–30	0.005777	98,004	488,597	52.02	0.005788	98,003	488,591	51.06
30–35	0.006754	97,437	485,614	47.31	0.006787	97,436	485,597	46.34
35–40	0.009322	96,779	481,770	42.61	0.009457	96,774	481,714	41.64
40–45	0.013391	95,877	476,370	37.99	0.013863	95,859	476,174	37.01
45–50	0.019424	94,593	468,630	33.47	0.020530	94,530	468,071	32.50
50–55	0.026784	92,756	457,927	29.08	0.029201	92,589	456,578	28.12
55–60	0.040343	90,272	442,868	24.80	0.045700	89,886	439,854	23.89
60–65	0.061894	86,630	420,564	20.73	0.071276	85,778	414,540	19.90
65–70	0.094051	81,268	388,240	16.93	0.108138	79,664	377,921	16.23
70–75	0.147547	73,625	342,236	13.41	0.165962	71,049	327,148	12.88
75–80	0.234992	62,761	278,045	10.28	0.255190	59,258	259,622	9.92
80–85	0.360195	48,013	196,832	7.65	0.378344	44,136	178,935	7.43
85–90	0.518294	30,719	111,936	5.54	0.531722	27,437	99,014	5.43
90–95	0.688782	14,797	45,545	3.95	0.696301	12,848	39,276	3.90
95–100	0.836030	4,605	11,350	2.79	0.839583	3,902	9,575	2.77
100 and over	1.000000	755	1,505	1.99	1.000000	626	1,239	1.98

Table 4. Abridged life tables for all causes of death combined and eliminating specified causes, for white males: United States, 1999–2001—Con.

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[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and $x + n$			Number surviving to age x	Person-years lived between ages x and $x + n$	
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasm of prostate (C61)				Diabetes mellitus (E10–E14)			
0–1	0.006269	100,000	99,492	74.99	0.006269	100,000	99,492	75.07
1–5	0.001306	99,373	397,188	74.46	0.001305	99,373	397,189	74.54
5–10	0.000808	99,243	496,001	70.56	0.000806	99,243	496,002	70.64
10–15	0.001118	99,163	495,621	65.61	0.001113	99,163	495,624	65.69
15–20	0.004406	99,052	494,288	60.68	0.004394	99,053	494,295	60.76
20–25	0.006214	98,616	491,563	55.94	0.006191	98,618	491,579	56.02
25–30	0.005788	98,003	488,591	51.27	0.005744	98,007	488,624	51.35
30–35	0.006788	97,436	485,598	46.56	0.006691	97,444	485,664	46.63
35–40	0.009457	96,774	481,714	41.86	0.009299	96,792	481,840	41.93
40–45	0.013857	95,859	476,176	37.23	0.013569	95,892	476,406	37.30
45–50	0.020495	94,531	468,082	32.72	0.020029	94,591	468,485	32.78
50–55	0.029082	92,593	456,623	28.35	0.028355	92,697	457,290	28.39
55–60	0.045328	89,901	440,004	24.12	0.044283	90,068	441,043	24.14
60–65	0.070320	85,825	414,962	20.14	0.069027	86,080	416,452	20.14
65–70	0.105982	79,790	378,927	16.46	0.104824	80,138	380,797	16.43
70–75	0.161869	71,334	329,154	13.10	0.161300	71,737	331,114	13.05
75–80	0.247880	59,787	263,000	10.12	0.248882	60,166	264,522	10.06
80–85	0.367162	44,967	183,563	7.61	0.370736	45,192	184,077	7.54
85–90	0.517381	28,457	103,761	5.57	0.524100	28,438	103,191	5.50
90–95	0.682570	13,734	42,509	3.99	0.690159	13,533	41,602	3.94
95–100	0.829920	4,360	10,825	2.83	0.835861	4,193	10,337	2.79
100 and over	1.000000	741	1,507	2.03	1.000000	688	1,374	2.00
	Alzheimer's disease (G30)				Major cardiovascular diseases (I00–I78)			
0–1	0.006269	100,000	99,492	74.87	0.006130	100,000	99,503	79.89
1–5	0.001306	99,373	397,188	74.34	0.001247	99,387	397,257	79.38
5–10	0.000808	99,243	496,001	70.44	0.000773	99,263	496,109	75.48
10–15	0.001118	99,163	495,621	65.49	0.001067	99,186	495,746	70.54
15–20	0.004406	99,052	494,288	60.56	0.004280	99,080	494,457	65.61
20–25	0.006214	98,616	491,563	55.82	0.006007	98,656	491,816	60.88
25–30	0.005788	98,003	488,591	51.15	0.005446	98,064	488,979	56.23
30–35	0.006788	97,436	485,597	46.43	0.006104	97,530	486,225	51.52
35–40	0.009459	96,774	481,714	41.73	0.008042	96,934	482,834	46.82
40–45	0.013864	95,859	476,173	37.11	0.010883	96,155	478,316	42.18
45–50	0.020531	94,530	468,069	32.59	0.014988	95,108	472,177	37.62
50–55	0.029203	92,589	456,576	28.22	0.019881	93,683	464,026	33.15
55–60	0.045676	89,885	439,856	23.99	0.030131	91,820	452,652	28.77
60–65	0.071156	85,780	414,572	20.01	0.046654	89,054	435,517	24.58
65–70	0.107766	79,676	378,047	16.34	0.070694	84,899	410,283	20.65
70–75	0.164817	71,090	327,527	12.99	0.106962	78,897	374,376	17.02
75–80	0.252003	59,373	260,584	10.04	0.161060	70,458	324,774	13.75
80–85	0.371354	44,411	180,825	7.56	0.234951	59,110	260,833	10.89
85–90	0.521008	27,919	101,533	5.55	0.331608	45,222	186,873	8.47
90–95	0.683977	13,373	41,339	3.98	0.448593	30,226	113,292	6.49
95–100	0.830132	4,226	10,491	2.83	0.584038	16,667	53,814	4.98
100 and over	1.000000	718	1,451	2.02	1.000000	6,933	29,159	4.21

Table 4. Abridged life tables for all causes of death combined and eliminating specified causes, for white males: United States, 1999–2001—Con.

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Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Diseases of heart (I00–I09,I11,I13,I20–I51)				Hypertensive heart disease (I11)			
0–1	0.006160	100,000	99,501	78.54	0.006269	100,000	99,492	74.86
1–5	0.001258	99,384	397,243	78.03	0.001306	99,373	397,188	74.33
5–10	0.000783	99,259	496,086	74.13	0.000808	99,243	496,001	70.42
10–15	0.001078	99,181	495,719	69.18	0.001118	99,163	495,621	65.48
15–20	0.004304	99,074	494,421	64.25	0.004405	99,052	494,288	60.55
20–25	0.006053	98,648	491,762	59.52	0.006210	98,616	491,565	55.80
25–30	0.005518	98,051	488,896	54.87	0.005774	98,003	488,598	51.13
30–35	0.006232	97,510	486,095	50.16	0.006751	97,438	485,616	46.42
35–40	0.008259	96,902	482,623	45.46	0.009388	96,780	481,757	41.71
40–45	0.011297	96,102	477,958	40.81	0.013724	95,871	476,266	37.08
45–50	0.015713	95,016	471,556	36.25	0.020312	94,555	468,245	32.56
50–55	0.021031	93,523	462,981	31.78	0.028892	92,635	456,869	28.18
55–60	0.032213	91,556	450,905	27.41	0.045284	89,958	440,296	23.94
60–65	0.050410	88,607	432,550	23.23	0.070734	85,885	415,165	19.95
65–70	0.077176	84,140	405,324	19.33	0.107502	79,810	378,732	16.27
70–75	0.118831	77,646	366,245	15.72	0.165150	71,230	328,118	12.91
75–80	0.182567	68,420	311,810	12.49	0.254015	59,466	260,705	9.95
80–85	0.271129	55,928	241,735	9.70	0.376653	44,361	180,036	7.46
85–90	0.386099	40,765	162,641	7.38	0.529435	27,652	99,955	5.46
90–95	0.520641	25,025	88,767	5.53	0.693522	13,012	39,878	3.92
95–100	0.663585	11,996	35,839	4.14	0.837043	3,988	9,816	2.79
100 and over	1.000000	4,036	13,796	3.42	1.000000	650	1,295	1.99
	Ischemic heart diseases (I20–I25)				Acute myocardial infarction (I21–I22)			
0–1	0.006262	100,000	99,493	77.47	0.006265	100,000	99,492	75.75
1–5	0.001304	99,374	397,192	76.95	0.001306	99,374	397,190	75.23
5–10	0.000805	99,244	496,007	73.05	0.000807	99,244	496,004	71.33
10–15	0.001115	99,164	495,628	68.11	0.001117	99,164	495,624	66.38
15–20	0.004394	99,054	494,298	63.18	0.004400	99,053	494,293	61.45
20–25	0.006184	98,618	491,584	58.45	0.006203	98,617	491,572	56.71
25–30	0.005703	98,009	488,641	53.80	0.005757	98,005	488,611	52.05
30–35	0.006531	97,450	485,727	49.09	0.006682	97,441	485,649	47.34
35–40	0.008738	96,813	482,072	44.40	0.009159	96,790	481,860	42.64
40–45	0.012104	95,967	477,108	39.76	0.013108	95,903	476,565	38.01
45–50	0.016936	94,806	470,239	35.22	0.018918	94,646	469,007	33.48
50–55	0.022815	93,200	460,991	30.78	0.026390	92,856	458,507	29.07
55–60	0.034992	91,074	447,940	26.44	0.040965	90,405	443,394	24.79
60–65	0.054682	87,887	428,155	22.30	0.063955	86,702	420,495	20.73
65–70	0.083551	83,081	398,968	18.43	0.097775	81,157	386,995	16.97
70–75	0.128879	76,140	357,314	14.87	0.151252	73,222	339,718	13.52
75–80	0.198810	66,327	299,660	11.69	0.234157	62,147	275,449	10.46
80–85	0.297662	53,140	226,160	8.95	0.350276	47,595	196,298	7.88
85–90	0.426852	37,323	144,928	6.68	0.498048	30,923	114,319	5.78
90–95	0.577534	21,391	72,481	4.88	0.662473	15,522	48,915	4.14
95–100	0.730240	9,037	25,172	3.54	0.813277	5,239	13,274	2.93
100 and over	1.000000	2,438	6,836	2.80	1.000000	978	2,096	2.14

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		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Other heart diseases (I26–I51)				Heart failure (I50)			
0–1	0.006168	100,000	99,500	75.42	0.006263	100,000	99,492	74.93
1–5	0.001262	99,383	397,239	74.89	0.001303	99,374	397,191	74.40
5–10	0.000786	99,258	496,079	70.98	0.000806	99,244	496,006	70.49
10–15	0.001083	99,180	495,711	66.03	0.001116	99,164	495,627	65.55
15–20	0.004319	99,072	494,408	61.10	0.004402	99,053	494,295	60.62
20–25	0.006092	98,645	491,736	56.35	0.006212	98,617	491,572	55.87
25–30	0.005621	98,044	488,835	51.68	0.005783	98,005	488,602	51.21
30–35	0.006533	97,492	485,940	46.96	0.006780	97,438	485,611	46.49
35–40	0.009063	96,856	482,209	42.25	0.009440	96,777	481,734	41.79
40–45	0.013223	95,978	476,908	37.62	0.013824	95,864	476,207	37.16
45–50	0.019569	94,709	469,170	33.08	0.020455	94,539	468,129	32.65
50–55	0.027808	92,855	458,194	28.69	0.029064	92,605	456,683	28.27
55–60	0.043491	90,273	442,214	24.44	0.045383	89,913	440,055	24.04
60–65	0.067788	86,347	417,997	20.43	0.070657	85,833	414,930	20.06
65–70	0.102836	80,494	382,868	16.72	0.107003	79,768	378,629	16.38
70–75	0.157551	72,216	333,968	13.33	0.163709	71,233	328,375	13.03
75–80	0.241877	60,838	268,510	10.34	0.251068	59,571	261,590	10.07
80–85	0.357393	46,123	189,407	7.81	0.370879	44,615	181,710	7.58
85–90	0.501842	29,639	109,276	5.77	0.519787	28,068	102,167	5.57
90–95	0.659593	14,765	46,647	4.18	0.679967	13,479	41,817	4.02
95–100	0.804030	5,026	12,875	3.00	0.822556	4,314	10,807	2.88
100 and over	1.000000	985	2,211	2.24	1.000000	765	1,618	2.11
	Essential (primary) hypertension and hypertensive renal disease (I10,I12)				Cerebrovascular diseases (I60–I69)			
0–1	0.006269	100,000	99,492	74.82	0.006244	100,000	99,494	75.28
1–5	0.001306	99,373	397,188	74.29	0.001296	99,376	397,201	74.75
5–10	0.000808	99,243	496,001	70.39	0.000799	99,247	496,021	70.85
10–15	0.001118	99,163	495,621	65.44	0.001110	99,168	495,645	65.90
15–20	0.004406	99,052	494,289	60.51	0.004388	99,057	494,318	60.97
20–25	0.006212	98,616	491,565	55.77	0.006183	98,623	491,606	56.23
25–30	0.005784	98,003	488,594	51.10	0.005740	98,013	488,654	51.56
30–35	0.006778	97,436	485,604	46.39	0.006704	97,450	485,691	46.84
35–40	0.009444	96,776	481,726	41.68	0.009307	96,797	481,862	42.14
40–45	0.013828	95,862	476,197	37.06	0.013568	95,896	476,425	37.51
45–50	0.020468	94,537	468,116	32.54	0.020029	94,595	468,504	32.99
50–55	0.029105	92,602	456,658	28.16	0.028426	92,700	457,294	28.61
55–60	0.045551	89,906	439,985	23.93	0.044349	90,065	441,016	24.37
60–65	0.071022	85,811	414,751	19.94	0.068913	86,071	416,434	20.38
65–70	0.107751	79,717	378,243	16.26	0.104154	80,140	380,933	16.69
70–75	0.165329	71,127	327,613	12.91	0.158443	71,793	331,858	13.33
75–80	0.254106	59,368	260,259	9.95	0.241430	60,418	266,719	10.34
80–85	0.376620	44,282	179,719	7.46	0.355811	45,831	188,390	7.81
85–90	0.529273	27,605	99,794	5.46	0.501248	29,524	108,898	5.75
90–95	0.693354	12,994	39,829	3.92	0.663506	14,725	46,361	4.13
95–100	0.837217	3,985	9,806	2.79	0.813921	4,955	12,544	2.93
100 and over	1.000000	649	1,294	2.00	1.000000	922	1,967	2.13

Table 4. Abridged life tables for all causes of death combined and eliminating specified causes, for white males: United States, 1999–2001—Con.

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[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)		Of 100,000 born alive				Of 100,000 born alive		
	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Influenza and pneumonia (J10-J18)				Chronic lower respiratory diseases (J40–J47)			
0–1	0.006208	100,000	99,497	74.98	0.006261	100,000	99,493	75.32
1–5	0.001284	99,379	397,218	74.45	0.001298	99,374	397,193	74.79
5–10	0.000795	99,252	496,046	70.55	0.000800	99,245	496,011	70.89
10–15	0.001107	99,173	495,671	65.60	0.001104	99,165	495,635	65.94
15–20	0.004391	99,063	494,345	60.67	0.004390	99,056	494,310	61.01
20–25	0.006184	98,628	491,631	55.92	0.006194	98,621	491,595	56.27
25–30	0.005759	98,018	488,674	51.26	0.005768	98,010	488,633	51.60
30–35	0.006737	97,454	485,698	46.54	0.006761	97,445	485,650	46.89
35–40	0.009372	96,797	481,846	41.84	0.009409	96,786	481,784	42.19
40–45	0.013735	95,890	476,355	37.21	0.013759	95,875	476,279	37.57
45–50	0.020333	94,573	468,326	32.69	0.020268	94,556	468,259	33.05
50–55	0.028935	92,650	456,933	28.31	0.028644	92,640	456,948	28.68
55–60	0.045284	89,969	440,348	24.08	0.044135	89,986	440,674	24.45
60–65	0.070559	85,895	415,249	20.09	0.067926	86,015	416,361	20.46
65–70	0.106881	79,834	378,965	16.42	0.101632	80,172	381,566	16.75
70–75	0.163466	71,301	328,733	13.07	0.154569	72,024	333,592	13.35
75–80	0.250192	59,646	262,045	10.11	0.238512	60,891	269,241	10.31
80–85	0.368741	44,723	182,390	7.62	0.357200	46,368	190,436	7.74
85–90	0.516397	28,232	103,013	5.61	0.509150	29,805	109,320	5.64
90–95	0.675209	13,653	42,539	4.07	0.677536	14,630	45,488	4.03
95–100	0.816906	4,434	11,186	2.92	0.826898	4,718	11,758	2.85
100 and over	1.000000	812	1,783	2.20	1.000000	817	1,673	2.05
	Pneumonitis due to solids and liquids (J69)				Chronic liver disease and cirrhosis (K70,K73–K74)			
0–1	0.006266	100,000	99,492	74.83	0.006268	100,000	99,492	75.00
1–5	0.001304	99,373	397,190	74.30	0.001306	99,373	397,188	74.47
5–10	0.000806	99,244	496,004	70.40	0.000808	99,243	496,002	70.57
10–15	0.001116	99,164	495,625	65.45	0.001118	99,163	495,622	65.62
15–20	0.004403	99,053	494,293	60.52	0.004406	99,052	494,289	60.69
20–25	0.006208	98,617	491,571	55.78	0.006210	98,616	491,565	55.95
25–30	0.005781	98,005	488,602	51.11	0.005763	98,004	488,601	51.28
30–35	0.006777	97,438	485,613	46.39	0.006684	97,439	485,637	46.56
35–40	0.009444	96,778	481,735	41.69	0.009145	96,787	481,851	41.86
40–45	0.013835	95,864	476,205	37.07	0.013175	95,902	476,544	37.22
45–50	0.020495	94,538	468,116	32.55	0.019285	94,639	468,887	32.68
50–55	0.029155	92,600	456,640	28.17	0.027818	92,814	457,986	28.27
55–60	0.045614	89,900	439,943	23.94	0.044206	90,232	441,861	24.01
60–65	0.071128	85,800	414,674	19.96	0.069561	86,243	417,135	19.99
65–70	0.107829	79,697	378,135	16.28	0.106368	80,244	381,008	16.29
70–75	0.165266	71,103	327,514	12.93	0.164256	71,709	330,475	12.92
75–80	0.253677	59,352	260,253	9.98	0.253677	59,930	262,786	9.94
80–85	0.375309	44,296	179,921	7.49	0.377180	44,727	181,463	7.45
85–90	0.526762	27,671	100,218	5.49	0.530930	27,857	100,586	5.44
90–95	0.690036	13,095	40,259	3.95	0.695880	13,067	39,959	3.90
95–100	0.833483	4,059	10,035	2.81	0.839389	3,974	9,753	2.77
100 and over	1.000000	676	1,367	2.02	1.000000	638	1,264	1.98

Table 4. Abridged life tables for all causes of death combined and eliminating specified causes, for white males: United States, 1999–2001—Con.

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[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)				Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)			
0–1	0.006235	100,000	99,495	74.91	0.004862	100,000	99,606	74.93
1–5	0.001303	99,376	397,202	74.38	0.001181	99,514	397,780	74.29
5–10	0.000804	99,247	496,020	70.47	0.000763	99,396	496,778	70.38
10–15	0.001115	99,167	495,642	65.53	0.001069	99,320	496,416	65.43
15–20	0.004400	99,057	494,311	60.60	0.004342	99,214	495,111	60.50
20–25	0.006204	98,621	491,591	55.85	0.006149	98,783	492,415	55.75
25–30	0.005773	98,009	488,625	51.19	0.005727	98,176	489,470	51.08
30–35	0.006764	97,443	485,640	46.47	0.006719	97,614	486,501	46.36
35–40	0.009412	96,784	481,773	41.77	0.009394	96,958	482,643	41.65
40–45	0.013785	95,873	476,261	37.14	0.013795	96,047	477,124	37.02
45–50	0.020404	94,551	468,205	32.62	0.020453	94,722	469,039	32.51
50–55	0.029000	92,622	456,783	28.25	0.029115	92,785	457,560	28.13
55–60	0.045337	89,936	440,176	24.01	0.045615	90,083	440,838	23.89
60–65	0.070629	85,859	415,060	20.02	0.071184	85,974	415,507	19.91
65–70	0.106939	79,795	378,767	16.34	0.108074	79,854	378,835	16.23
70–75	0.163937	71,261	328,469	12.99	0.165910	71,224	327,962	12.88
75–80	0.251628	59,579	261,543	10.02	0.255136	59,407	260,284	9.92
80–85	0.372983	44,587	181,363	7.52	0.378244	44,250	179,411	7.43
85–90	0.524394	27,957	101,425	5.51	0.531620	27,513	99,294	5.44
90–95	0.688085	13,296	40,951	3.96	0.696188	12,887	39,397	3.90
95–100	0.832681	4,147	10,264	2.81	0.839483	3,915	9,608	2.77
100 and over	1.000000	694	1,407	2.03	1.000000	628	1,244	1.98
	Accidents (unintentional injuries) (V01–X59,Y85–Y86)				Motor vehicle accidents (V02–V04,V09.0,V09.2, V12–V14,V19.0–V19.2,V19.4–V19.6,V20–V79, V80.3–V80.5,V81.0–V81.1,V82.0–V82.1,V83–V86, V87.0–V87.8,V88.0–V88.8,V89.0,V89.2)			
0–1	0.006060	100,000	99,509	75.89	0.006230	100,000	99,495	75.35
1–5	0.000792	99,394	397,392	75.35	0.001138	99,377	397,243	74.82
5–10	0.000453	99,315	496,456	71.41	0.000609	99,264	496,157	70.91
10–15	0.000641	99,270	496,240	66.44	0.000828	99,203	495,873	65.95
15–20	0.002013	99,207	495,588	61.49	0.002601	99,121	495,031	61.00
20–25	0.003123	99,007	494,270	56.60	0.004096	98,863	493,316	56.15
25–30	0.003408	98,698	492,645	51.77	0.004378	98,458	491,211	51.37
30–35	0.004599	98,361	490,726	46.94	0.005666	98,027	488,810	46.59
35–40	0.007037	97,909	487,921	42.15	0.008388	97,472	485,433	41.84
40–45	0.011234	97,220	483,535	37.37	0.012792	96,654	480,368	37.17
45–50	0.018049	96,128	476,545	32.82	0.019534	95,418	472,692	32.62
50–55	0.027097	94,393	465,938	28.38	0.028289	93,554	461,536	28.22
55–60	0.043744	91,835	449,811	24.09	0.044798	90,908	445,045	23.96
60–65	0.069287	87,818	424,808	20.07	0.070431	86,835	419,821	19.96
65–70	0.106021	81,733	388,146	16.37	0.107301	80,719	383,087	16.27
70–75	0.163304	73,068	336,905	13.00	0.165020	72,058	331,954	12.91
75–80	0.251256	61,135	268,431	10.03	0.253982	60,167	263,781	9.94
80–85	0.372651	45,775	186,231	7.53	0.376981	44,886	182,128	7.45
85–90	0.524321	28,717	104,187	5.51	0.530395	27,965	101,014	5.45
90–95	0.688097	13,660	42,070	3.96	0.695445	13,132	40,175	3.90
95–100	0.833296	4,261	10,536	2.81	0.839223	4,000	9,818	2.77
100 and over	1.000000	710	1,437	2.02	1.000000	643	1,273	1.98

Table 4. Abridged life tables for all causes of death combined and eliminating specified causes, for white males: United States, 1999–2001—Con.

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Age (years)		Of 100,000 born alive				Of 100,000 born alive		
	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
All other accidents (V01,V05–V06,V09.1,V09.3,V09.9, V10–V11,V15–V18,V19.3,V19.8–V19.9,V80.0–V80.2, V80.6–V80.9,V81.2–V81.9,V82.2–V82.9,V87.9, V88.9,V89.1,V89.3–V89.9,V90–V99,W00–X59,Y85–Y86)					Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)			
0–1	0.006099	100,000	99,506	75.31	0.006269	100,000	99,492	75.21
1–5	0.000960	99,390	397,337	74.77	0.001306	99,373	397,188	74.68
5–10	0.000652	99,295	496,300	70.84	0.000805	99,243	496,002	70.78
10–15	0.000931	99,230	495,988	65.89	0.001013	99,163	495,640	65.83
15–20	0.003820	99,138	494,844	60.94	0.003716	99,063	494,494	60.90
20–25	0.005245	98,759	492,513	56.17	0.005129	98,695	492,222	56.11
25–30	0.004820	98,241	490,016	51.45	0.004733	98,189	489,777	51.39
30–35	0.005723	97,767	487,499	46.69	0.005696	97,724	487,289	46.62
35–40	0.008110	97,208	484,181	41.94	0.008266	97,167	483,943	41.87
40–45	0.012309	96,420	479,310	37.26	0.012598	96,364	478,968	37.20
45–50	0.019052	95,233	471,882	32.69	0.019266	95,150	471,424	32.64
50–55	0.028026	93,418	460,923	28.28	0.028068	93,317	460,413	28.23
55–60	0.044673	90,800	444,545	24.02	0.044622	90,698	444,054	23.97
60–65	0.070165	86,744	419,434	20.01	0.070336	86,651	418,948	19.97
65–70	0.106910	80,657	382,868	16.32	0.107159	80,556	382,338	16.28
70–75	0.164312	72,034	331,967	12.96	0.164829	71,924	331,368	12.91
75–80	0.252548	60,198	264,127	10.00	0.253826	60,068	263,372	9.94
80–85	0.374098	44,995	182,897	7.51	0.376874	44,822	181,880	7.45
85–90	0.525749	28,163	102,072	5.50	0.530361	27,929	100,890	5.45
90–95	0.689039	13,356	41,099	3.95	0.695392	13,117	40,130	3.90
95–100	0.833728	4,153	10,265	2.81	0.839182	3,995	9,809	2.77
100 and over	1.000000	691	1,396	2.02	1.000000	643	1,272	1.98
Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)					Alcohol-induced causes (F10,G31.2,G62.1,I42.6, K29.2,K70,R78.0,X45,X65,Y15)			
0–1	0.006194	100,000	99,498	74.95	0.006269	100,000	99,492	74.98
1–5	0.001231	99,381	397,235	74.41	0.001306	99,373	397,188	74.45
5–10	0.000774	99,258	496,085	70.50	0.000808	99,243	496,001	70.54
10–15	0.001068	99,181	495,721	65.56	0.001117	99,163	495,621	65.60
15–20	0.003998	99,075	494,494	60.62	0.004394	99,052	494,291	60.67
20–25	0.005569	98,679	492,038	55.86	0.006188	98,617	491,576	55.92
25–30	0.005251	98,130	489,356	51.15	0.005724	98,007	488,627	51.26
30–35	0.006343	97,615	486,593	46.41	0.006629	97,446	485,686	46.54
35–40	0.009046	96,995	482,908	41.69	0.009048	96,800	481,935	41.83
40–45	0.013494	96,118	477,543	37.05	0.013102	95,924	476,669	37.19
45–50	0.020229	94,821	469,578	32.52	0.019329	94,667	469,019	32.65
50–55	0.028973	92,903	458,173	28.13	0.027940	92,838	458,077	28.24
55–60	0.045507	90,211	441,486	23.90	0.044406	90,244	441,877	23.97
60–65	0.071146	86,106	416,151	19.91	0.069896	86,236	417,035	19.96
65–70	0.108050	79,980	379,436	16.23	0.106959	80,209	380,729	16.26
70–75	0.165919	71,338	328,485	12.88	0.165037	71,630	329,979	12.90
75–80	0.255170	59,502	260,693	9.92	0.254492	59,808	262,134	9.93
80–85	0.378332	44,319	179,678	7.43	0.377926	44,588	180,813	7.44
85–90	0.531740	27,551	99,425	5.43	0.531516	27,737	100,110	5.44
90–95	0.696330	12,901	39,437	3.90	0.696219	12,994	39,725	3.90
95–100	0.839595	3,918	9,613	2.77	0.839559	3,947	9,686	2.77
100 and over	1.000000	628	1,244	1.98	1.000000	633	1,254	1.98

Table 4. Abridged life tables for all causes of death combined and eliminating specified causes, for white males: United States, 1999–2001—Con.

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		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Drug-induced causes (F11.0–F11.5,F11.7–F11.9, F12.0–F12.5,F12.7–F12.9,F13.0–F13.5,F13.7–F13.9, F14.0–F14.5,F14.7–F14.9,F15.0–F15.5,F15.7–F15.9, F16.0–F16.5,F16.7–F16.9,F17.0,F17.3–F17.5,F17.7–F17.9, F18.0–F18.5,F18.7–F18.9,F19.0–F19.5,F19.7–F19.9, X40–X44,X60–X64,X85,Y10–Y14)				Injury by firearms (*U01.4, W32–W34,X72–X74,X93–X95,Y22–Y24,Y35.0)			
0–1	0.006265	100,000	99,492	75.01	0.006267	100,000	99,492	75.16
1–5	0.001301	99,373	397,191	74.48	0.001294	99,373	397,192	74.63
5–10	0.000806	99,244	496,006	70.58	0.000788	99,245	496,013	70.72
10–15	0.001109	99,164	495,628	65.63	0.001013	99,166	495,656	65.78
15–20	0.004227	99,054	494,338	60.70	0.003608	99,066	494,533	60.84
20–25	0.005724	98,636	491,782	55.95	0.005015	98,709	492,318	56.05
25–30	0.005194	98,071	489,077	51.26	0.004773	98,213	489,891	51.32
30–35	0.006030	97,562	486,402	46.51	0.005904	97,745	487,344	46.56
35–40	0.008443	96,973	482,937	41.78	0.008586	97,168	483,871	41.82
40–45	0.012683	96,155	477,909	37.11	0.012976	96,333	478,731	37.16
45–50	0.019501	94,935	470,306	32.55	0.019655	95,083	471,006	32.61
50–55	0.028628	93,084	459,141	28.15	0.028356	93,214	459,845	28.21
55–60	0.045416	90,419	442,522	23.90	0.044863	90,571	443,385	23.96
60–65	0.071134	86,312	417,152	19.91	0.070481	86,508	418,230	19.96
65–70	0.108043	80,173	380,352	16.23	0.107299	80,411	381,624	16.27
70–75	0.165902	71,511	329,282	12.88	0.164989	71,783	330,692	12.91
75–80	0.255130	59,647	261,335	9.92	0.254018	59,940	262,779	9.94
80–85	0.378278	44,429	180,132	7.43	0.377148	44,714	181,413	7.45
85–90	0.531668	27,623	99,687	5.43	0.530656	27,850	100,581	5.44
90–95	0.696243	12,937	39,548	3.90	0.695653	13,071	39,981	3.90
95–100	0.839577	3,930	9,642	2.77	0.839306	3,978	9,765	2.77
100 and over	1.000000	630	1,247	1.98	1.000000	639	1,266	1.98

Table 5. Abridged life tables for all causes of death combined and eliminating specified causes, for white females: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table05.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

| Age (years) | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x |
| | | Number surviving to age x | Person-years lived between ages x and $x + n$ | | | Number surviving to age x | Person-years lived between ages x and $x + n$ | |
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
		Eliminating no cause				Septicemia (A40–A41)		
0–1	0.005117	100,000	99,582	79.99	0.005071	100,000	99,586	80.12
1–5	0.001036	99,488	397,709	79.40	0.001016	99,493	397,732	79.53
5–10	0.000667	99,385	496,751	75.48	0.000659	99,392	496,786	75.61
10–15	0.000749	99,319	496,442	70.53	0.000743	99,326	496,480	70.66
15–20	0.001974	99,245	495,765	65.58	0.001966	99,253	495,807	65.71
20–25	0.002155	99,049	494,711	60.70	0.002143	99,057	494,758	60.83
25–30	0.002363	98,835	493,610	55.83	0.002345	98,845	493,664	55.96
30–35	0.003240	98,602	492,264	50.95	0.003209	98,613	492,330	51.08
35–40	0.005005	98,282	490,264	46.11	0.004959	98,297	490,348	46.24
40–45	0.007586	97,790	487,209	41.33	0.007505	97,810	487,323	41.46
45–50	0.011191	97,049	482,708	36.62	0.011060	97,075	482,872	36.75
50–55	0.017395	95,962	475,932	32.01	0.017181	96,002	476,175	32.13
55–60	0.028405	94,293	465,269	27.53	0.028047	94,352	465,639	27.65
60–65	0.045470	91,615	448,358	23.25	0.044906	91,706	448,926	23.37
65–70	0.069170	87,449	422,977	19.23	0.068280	87,588	423,833	19.34
70–75	0.108176	81,400	386,389	15.47	0.106785	81,607	387,638	15.56
75–80	0.177343	72,595	332,532	12.02	0.175069	72,893	334,290	12.10
80–85	0.282519	59,721	257,744	9.04	0.279185	60,132	260,004	9.11
85–90	0.428416	42,848	168,052	6.59	0.423855	43,344	170,492	6.65
90–95	0.604779	24,491	82,944	4.67	0.599961	24,972	84,893	4.71
95–100	0.778243	9,680	26,584	3.24	0.774272	9,990	27,551	3.27
100 and over	1.000000	2,147	4,818	2.24	1.000000	2,255	5,110	2.27
		Human immunodeficiency virus (HIV) disease (B20–B24)				Malignant neoplasms (C00–C97)		
0–1	0.005116	100,000	99,582	80.01	0.005098	100,000	99,583	83.11
1–5	0.001035	99,488	397,709	79.42	0.000934	99,490	397,741	82.54
5–10	0.000664	99,385	496,753	75.50	0.000549	99,397	496,842	78.61
10–15	0.000746	99,319	496,445	70.55	0.000633	99,343	496,584	73.65
15–20	0.001971	99,245	495,769	65.60	0.001824	99,280	495,975	68.70
20–25	0.002143	99,050	494,719	60.73	0.001944	99,099	495,013	63.82
25–30	0.002317	98,837	493,632	55.85	0.002013	98,906	494,047	58.94
30–35	0.003146	98,608	492,319	50.98	0.002588	98,707	492,939	54.05
35–40	0.004878	98,298	490,373	46.13	0.003681	98,451	491,412	49.19
40–45	0.007455	97,819	487,380	41.34	0.005066	98,089	489,278	44.36
45–50	0.011090	97,089	482,934	36.63	0.006751	97,592	486,423	39.57
50–55	0.017338	96,013	476,194	32.01	0.009720	96,933	482,476	34.82
55–60	0.028363	94,348	465,549	27.53	0.015786	95,991	476,449	30.14
60–65	0.045441	91,672	448,644	23.25	0.026277	94,476	466,588	25.58
65–70	0.069153	87,506	423,258	19.24	0.043013	91,993	450,632	21.20
70–75	0.108167	81,455	386,651	15.47	0.073396	88,036	425,056	17.03
75–80	0.177338	72,644	332,760	12.02	0.134256	81,575	381,977	13.17
80–85	0.282516	59,762	257,922	9.04	0.236287	70,623	312,703	9.80
85–90	0.428413	42,878	168,168	6.59	0.386448	53,936	217,231	7.04
90–95	0.604773	24,509	83,002	4.67	0.573507	33,092	114,832	4.90
95–100	0.778243	9,686	26,603	3.24	0.759071	14,114	39,546	3.36
100 and over	1.000000	2,148	4,821	2.24	1.000000	3,400	7,894	2.32

See footnote at end of table.

Table 5. Abridged life tables for all causes of death combined and eliminating specified causes, for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table05.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

| Age (years) | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x |
| | | Number surviving to age x | Person-years lived between ages x and $x + n$ | | | Number surviving to age x | Person-years lived between ages x and $x + n$ | |
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasms of colon, rectum and anus (C18–C21)				Malignant neoplasm of pancreas (C25)			
0–1	0.005117	100,000	99,582	80.25	0.005116	100,000	99,582	80.13
1–5	0.001036	99,488	397,709	79.66	0.001036	99,488	397,709	79.54
5–10	0.000667	99,385	496,751	75.74	0.000666	99,385	496,751	75.62
10–15	0.000749	99,319	496,442	70.79	0.000749	99,319	496,442	70.67
15–20	0.001971	99,245	495,766	65.84	0.001974	99,245	495,765	65.72
20–25	0.002146	99,049	494,714	60.97	0.002155	99,049	494,712	60.85
25–30	0.002346	98,836	493,620	56.09	0.002361	98,835	493,611	55.97
30–35	0.003198	98,605	492,288	51.22	0.003231	98,602	492,268	51.10
35–40	0.004922	98,289	490,317	46.38	0.004978	98,283	490,276	46.26
40–45	0.007413	97,805	487,323	41.59	0.007515	97,794	487,244	41.48
45–50	0.010855	97,080	482,942	36.88	0.011045	97,059	482,794	36.77
50–55	0.016816	96,027	476,379	32.26	0.017086	95,987	476,124	32.15
55–60	0.027464	94,412	466,060	27.76	0.027845	94,347	465,658	27.66
60–65	0.043923	91,819	449,688	23.47	0.044522	91,720	449,077	23.38
65–70	0.066971	87,786	425,062	19.43	0.067777	87,637	424,172	19.34
70–75	0.105000	81,907	389,402	15.63	0.106133	81,697	388,188	15.56
75–80	0.172917	73,307	336,560	12.16	0.174734	73,026	334,959	12.09
80–85	0.276931	60,631	262,492	9.15	0.279590	60,266	260,526	9.09
85–90	0.422048	43,840	172,644	6.66	0.425741	43,416	170,571	6.62
90–95	0.599005	25,338	86,199	4.71	0.602795	24,932	84,568	4.68
95–100	0.774430	10,160	28,016	3.27	0.777087	9,903	27,231	3.25
100 and over	1.000000	2,292	5,178	2.26	1.000000	2,208	4,964	2.25
	Malignant neoplasms of trachea, bronchus and lung (C33–C34)				Malignant neoplasm of breast (C50)			
0–1	0.005117	100,000	99,582	80.74	0.005117	100,000	99,582	80.47
1–5	0.001036	99,488	397,709	80.15	0.001036	99,488	397,709	79.88
5–10	0.000666	99,385	496,751	76.23	0.000667	99,385	496,751	75.96
10–15	0.000749	99,319	496,442	71.28	0.000749	99,319	496,442	71.01
15–20	0.001973	99,245	495,766	66.34	0.001973	99,245	495,765	66.06
20–25	0.002153	99,049	494,712	61.46	0.002152	99,049	494,712	61.19
25–30	0.002355	98,836	493,614	56.59	0.002324	98,836	493,621	56.31
30–35	0.003205	98,603	492,278	51.72	0.003085	98,606	492,321	51.44
35–40	0.004869	98,287	490,318	46.87	0.004626	98,302	490,448	46.59
40–45	0.007183	97,808	487,391	42.09	0.006859	97,847	487,658	41.79
45–50	0.010409	97,106	483,170	37.37	0.009980	97,176	483,616	37.06
50–55	0.015692	96,095	476,970	32.74	0.015482	96,206	477,568	32.41
55–60	0.024868	94,587	467,494	28.22	0.025871	94,717	467,913	27.88
60–65	0.039527	92,235	452,672	23.87	0.042355	92,266	452,216	23.55
65–70	0.060747	88,589	430,252	19.74	0.065573	88,358	428,124	19.47
70–75	0.097396	83,208	397,068	15.85	0.103802	82,564	392,760	15.65
75–80	0.165549	75,104	346,119	12.27	0.172198	73,994	339,841	12.16
80–85	0.272247	62,670	272,033	9.18	0.277018	61,252	265,171	9.14
85–90	0.421490	45,608	179,672	6.66	0.423120	44,284	174,274	6.65
90–95	0.601045	26,385	89,619	4.69	0.600418	25,547	86,815	4.70
95–100	0.776614	10,526	28,960	3.25	0.775070	10,208	28,129	3.26
100 and over	1.000000	2,351	5,292	2.25	1.000000	2,296	5,189	2.26

See footnote at end of table.

Table 5. Abridged life tables for all causes of death combined and eliminating specified causes, for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table05.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

| Age (years) | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x | Probability of dying between ages x and $x + n$ | Of 100,000 born alive | | Expectation of life at age x |
| | | Number surviving to age x | Person-years lived between ages x and $x + n$ | | | Number surviving to age x | Person-years lived between ages x and $x + n$ | |
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasm of prostate (C61)				Diabetes mellitus (E10–E14)			
0–1	. . .	. . .	. . .	. . .	0.005116	100,000	99,582	80.30
1–5	. . .	. . .	. . .	. . .	0.001034	99,488	397,710	79.71
5–10	. . .	. . .	. . .	. . .	0.000665	99,386	496,753	75.79
10–15	. . .	. . .	. . .	. . .	0.000745	99,319	496,445	70.84
15–20	. . .	. . .	. . .	. . .	0.001966	99,245	495,771	65.89
20–25	. . .	. . .	. . .	. . .	0.002136	99,050	494,724	61.02
25–30	. . .	. . .	. . .	. . .	0.002324	98,839	493,637	56.14
30–35	. . .	. . .	. . .	. . .	0.003172	98,609	492,317	51.27
35–40	. . .	. . .	. . .	. . .	0.004894	98,296	490,360	46.42
40–45	. . .	. . .	. . .	. . .	0.007403	97,815	487,375	41.64
45–50	. . .	. . .	. . .	. . .	0.010873	97,091	482,992	36.93
50–55	. . .	. . .	. . .	. . .	0.016817	96,035	476,423	32.31
55–60	. . .	. . .	. . .	. . .	0.027370	94,420	466,123	27.81
60–65	. . .	. . .	. . .	. . .	0.043708	91,836	449,819	23.52
65–70	. . .	. . .	. . .	. . .	0.066500	87,822	425,335	19.47
70–75	. . .	. . .	. . .	. . .	0.104305	81,982	389,894	15.67
75–80	. . .	. . .	. . .	. . .	0.171756	73,431	337,332	12.19
80–85	. . .	. . .	. . .	. . .	0.275490	60,819	263,519	9.17
85–90	. . .	. . .	. . .	. . .	0.420895	44,064	173,652	6.67
90–95	. . .	. . .	. . .	. . .	0.598193	25,518	86,867	4.72
95–100	. . .	. . .	. . .	. . .	0.773470	10,253	28,301	3.27
100 and over	. . .	. . .	. . .	. . .	1.000000	2,323	5,260	2.26
	Alzheimer's disease (G30)				Major cardiovascular diseases (I00–I78)			
0–1	0.005117	100,000	99,582	80.19	0.004993	100,000	99,592	85.18
1–5	0.001036	99,488	397,709	79.60	0.000986	99,501	397,770	84.60
5–10	0.000667	99,385	496,751	75.68	0.000638	99,403	496,845	80.68
10–15	0.000749	99,319	496,442	70.73	0.000708	99,339	496,551	75.73
15–20	0.001974	99,245	495,765	65.78	0.001888	99,269	495,906	70.79
20–25	0.002155	99,049	494,711	60.90	0.002019	99,081	494,908	65.91
25–30	0.002363	98,835	493,610	56.03	0.002156	98,881	493,890	61.04
30–35	0.003239	98,602	492,264	51.16	0.002880	98,668	492,679	56.17
35–40	0.005005	98,282	490,264	46.31	0.004323	98,384	490,928	51.32
40–45	0.007585	97,790	487,209	41.53	0.006384	97,959	488,324	46.54
45–50	0.011188	97,049	482,709	36.83	0.009208	97,333	484,575	41.82
50–55	0.017380	95,963	475,938	32.22	0.013823	96,437	479,087	37.18
55–60	0.028342	94,295	465,292	27.74	0.021880	95,104	470,706	32.66
60–65	0.045296	91,623	448,434	23.47	0.033851	93,023	457,771	28.34
65–70	0.068746	87,472	423,178	19.46	0.049462	89,874	438,885	24.23
70–75	0.106842	81,459	386,922	15.70	0.073623	85,429	412,421	20.36
75–80	0.173466	72,756	333,937	12.26	0.112440	79,139	374,655	16.76
80–85	0.273462	60,135	260,852	9.28	0.166718	70,241	322,845	13.55
85–90	0.412939	43,690	173,056	6.80	0.241219	58,530	257,126	10.75
90–95	0.584515	25,649	88,250	4.84	0.341683	44,412	181,577	8.38
95–100	0.759810	10,657	29,837	3.36	0.474241	29,237	106,035	6.52
100 and over	1.000000	2,560	6,001	2.34	1.000000	15,372	84,502	5.50

See footnote at end of table.

Table 5. Abridged life tables for all causes of death combined and eliminating specified causes, for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table05.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and $x + n$			Number surviving to age x	Person-years lived between ages x and $x + n$	
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Diseases of heart (I00–I09,I11,I13,I20–I51)				Hypertensive heart disease (I11)			
0–1	0.005015	100,000	99,590	83.28	0.005116	100,000	99,582	80.07
1–5	0.001000	99,499	397,758	82.70	0.001036	99,488	397,709	79.48
5–10	0.000645	99,399	496,826	78.78	0.000667	99,385	496,751	75.56
10–15	0.000720	99,335	496,528	73.83	0.000749	99,319	496,442	70.61
15–20	0.001906	99,263	495,875	68.88	0.001973	99,245	495,765	65.66
20–25	0.002057	99,074	494,863	64.00	0.002153	99,049	494,712	60.78
25–30	0.002214	98,870	493,821	59.13	0.002358	98,836	493,613	55.91
30–35	0.002974	98,652	492,574	54.26	0.003229	98,602	492,270	51.04
35–40	0.004511	98,358	490,756	49.41	0.004980	98,284	490,279	46.19
40–45	0.006716	97,914	488,027	44.62	0.007535	97,795	487,242	41.41
45–50	0.009739	97,257	484,074	39.91	0.011107	97,058	482,773	36.70
50–55	0.014644	96,310	478,270	35.27	0.017267	95,980	476,046	32.09
55–60	0.023308	94,899	469,379	30.76	0.028199	94,322	465,458	27.60
60–65	0.036343	92,687	455,581	26.43	0.045171	91,663	448,657	23.33
65–70	0.054015	89,319	435,215	22.32	0.068739	87,522	423,420	19.30
70–75	0.082375	84,494	406,179	18.45	0.107500	81,506	387,020	15.53
75–80	0.130619	77,534	363,724	14.86	0.176077	72,744	333,434	12.08
80–85	0.201213	67,407	304,188	11.70	0.280190	59,936	259,010	9.10
85–90	0.299171	53,844	228,686	9.00	0.424559	43,142	169,623	6.64
90–95	0.426089	37,735	145,784	6.78	0.599507	24,826	84,425	4.71
95–100	0.577390	21,657	72,074	5.08	0.772786	9,943	27,464	3.28
100 and over	1.000000	9,152	38,010	4.15	1.000000	2,259	5,156	2.28
	Ischemic heart diseases (I20–I25)				Acute myocardial infarction (I21–I22)			
0–1	0.005111	100,000	99,582	82.05	0.005113	100,000	99,582	80.70
1–5	0.001034	99,489	397,712	81.47	0.001036	99,489	397,710	80.11
5–10	0.000665	99,386	496,755	77.56	0.000666	99,386	496,753	76.20
10–15	0.000748	99,320	496,446	72.61	0.000749	99,319	496,444	71.25
15–20	0.001968	99,246	495,771	67.66	0.001971	99,245	495,768	66.30
20–25	0.002143	99,050	494,722	62.79	0.002150	99,049	494,716	61.42
25–30	0.002334	98,838	493,631	57.92	0.002348	98,836	493,620	56.55
30–35	0.003156	98,607	492,311	53.04	0.003200	98,604	492,287	51.68
35–40	0.004782	98,296	490,384	48.20	0.004909	98,289	490,319	46.83
40–45	0.007140	97,826	487,489	43.42	0.007385	97,806	487,335	42.05
45–50	0.010345	97,128	483,293	38.72	0.010796	97,084	482,975	37.34
50–55	0.015607	96,123	477,127	34.09	0.016586	96,036	476,478	32.72
55–60	0.024890	94,623	467,664	29.59	0.026781	94,443	466,365	28.23
60–65	0.038952	92,267	452,955	25.28	0.042473	91,914	450,465	23.93
65–70	0.058237	88,673	431,186	21.19	0.064304	88,010	426,701	19.88
70–75	0.089502	83,509	400,051	17.34	0.100403	82,351	392,399	16.06
75–80	0.143799	76,035	354,322	13.78	0.164098	74,082	341,667	12.56
80–85	0.225434	65,101	289,966	10.66	0.261638	61,926	270,392	9.50
85–90	0.340739	50,425	208,893	8.01	0.399649	45,724	182,638	6.96
90–95	0.488781	33,243	122,871	5.86	0.572928	27,450	95,296	4.94
95–100	0.654721	16,995	52,753	4.24	0.750757	11,723	33,130	3.43
100 and over	1.000000	5,868	19,338	3.30	1.000000	2,922	7,071	2.42

See footnote at end of table.

Table 5. Abridged life tables for all causes of death combined and eliminating specified causes, for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table05.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Other heart diseases (I26–I51)				Heart failure (I50)			
0–1	0.005021	100,000	99,590	80.68	0.005113	100,000	99,582	80.19
1–5	0.001002	99,498	397,755	80.09	0.001033	99,489	397,711	79.60
5–10	0.000647	99,398	496,821	76.17	0.000665	99,386	496,755	75.69
10–15	0.000722	99,334	496,522	71.21	0.000747	99,320	496,447	70.73
15–20	0.001913	99,262	495,867	66.26	0.001971	99,246	495,771	65.78
20–25	0.002072	99,072	494,849	61.39	0.002153	99,050	494,718	60.91
25–30	0.002252	98,867	493,795	56.51	0.002357	98,837	493,619	56.04
30–35	0.003073	98,644	492,515	51.63	0.003233	98,604	492,276	51.16
35–40	0.004771	98,341	490,612	46.78	0.004992	98,285	490,280	46.32
40–45	0.007234	97,872	487,697	41.99	0.007565	97,794	487,233	41.54
45–50	0.010701	97,164	483,394	37.28	0.011154	97,054	482,746	36.83
50–55	0.016610	96,124	476,910	32.65	0.017300	95,972	476,000	32.22
55–60	0.027124	94,528	466,706	28.16	0.028199	94,312	465,405	27.74
60–65	0.043327	91,964	450,525	23.87	0.045009	91,652	448,640	23.47
65–70	0.065672	87,979	426,267	19.83	0.068316	87,527	423,530	19.45
70–75	0.102272	82,201	391,328	16.04	0.106498	81,547	387,408	15.68
75–80	0.166600	73,795	339,902	12.56	0.173778	72,863	334,374	12.23
80–85	0.263387	61,500	268,275	9.55	0.275402	60,201	260,854	9.25
85–90	0.397512	45,302	181,197	7.04	0.415449	43,621	172,507	6.79
90–95	0.563316	27,294	95,454	5.04	0.585662	25,499	87,656	4.84
95–100	0.736071	11,919	34,190	3.54	0.757089	10,565	29,664	3.39
100 and over	1.000000	3,146	8,042	2.56	1.000000	2,566	6,176	2.41
	Essential (primary) hypertension and hypertensive renal disease (I10,I12)				Cerebrovascular diseases (I60–I69)			
0–1	0.005116	100,000	99,582	80.05	0.005099	100,000	99,583	80.70
1–5	0.001036	99,488	397,709	79.46	0.001024	99,490	397,719	80.11
5–10	0.000667	99,385	496,751	75.54	0.000661	99,388	496,767	76.19
10–15	0.000749	99,319	496,443	70.59	0.000739	99,323	496,462	71.24
15–20	0.001972	99,245	495,766	65.64	0.001960	99,249	495,791	66.29
20–25	0.002153	99,049	494,713	60.77	0.002127	99,055	494,747	61.42
25–30	0.002360	98,836	493,613	55.89	0.002317	98,844	493,664	56.54
30–35	0.003235	98,602	492,269	51.02	0.003163	98,615	492,347	51.67
35–40	0.004998	98,283	490,271	46.18	0.004852	98,303	490,402	46.82
40–45	0.007568	97,792	487,222	41.39	0.007314	97,826	487,449	42.04
45–50	0.011156	97,052	482,734	36.69	0.010761	97,111	483,114	37.33
50–55	0.017333	95,969	475,980	32.07	0.016753	96,066	476,587	32.71
55–60	0.028296	94,306	465,356	27.59	0.027309	94,456	466,313	28.22
60–65	0.045252	91,637	448,515	23.32	0.043655	91,877	450,029	23.94
65–70	0.068797	87,491	423,255	19.30	0.065923	87,866	425,666	19.91
70–75	0.107541	81,472	386,848	15.53	0.101880	82,073	390,794	16.12
75–80	0.176098	72,710	333,274	12.08	0.164304	73,712	339,921	12.65
80–85	0.280323	59,906	258,862	9.10	0.258551	61,601	269,434	9.62
85–90	0.425148	43,113	169,444	6.63	0.391905	45,674	183,329	7.08
90–95	0.600680	24,784	84,204	4.70	0.560982	27,774	97,306	5.04
95–100	0.774088	9,897	27,299	3.27	0.740075	12,193	34,836	3.50
100 and over	1.000000	2,236	5,083	2.27	1.000000	3,169	7,795	2.46

See footnote at end of table.

Table 5. Abridged life tables for all causes of death combined and eliminating specified causes, for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table05.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Influenza and pneumonia (J10–J18)				Chronic lower respiratory diseases (J40–J47)			
0–1	0.005068	100,000	99,586	80.22	0.005112	100,000	99,582	80.58
1–5	0.001010	99,493	397,734	79.63	0.001027	99,489	397,713	79.99
5–10	0.000657	99,393	496,791	75.71	0.000660	99,387	496,760	76.08
10–15	0.000739	99,327	496,486	70.76	0.000740	99,321	496,454	71.12
15–20	0.001958	99,254	495,815	65.81	0.001959	99,248	495,783	66.17
20–25	0.002133	99,060	494,771	60.93	0.002139	99,053	494,737	61.30
25–30	0.002335	98,848	493,682	56.06	0.002342	98,841	493,645	56.43
30–35	0.003200	98,617	492,351	51.18	0.003206	98,610	492,312	51.55
35–40	0.004930	98,302	490,378	46.34	0.004947	98,294	490,334	46.71
40–45	0.007493	97,817	487,364	41.55	0.007461	97,807	487,323	41.93
45–50	0.011061	97,084	482,915	36.85	0.010954	97,078	482,907	37.22
50–55	0.017203	96,010	476,212	32.23	0.016818	96,014	476,318	32.61
55–60	0.028086	94,359	465,662	27.75	0.026958	94,399	466,110	28.12
60–65	0.044930	91,709	448,932	23.47	0.042429	91,855	450,184	23.82
65–70	0.068288	87,588	423,832	19.45	0.063620	87,957	426,587	19.76
70–75	0.106404	81,607	387,708	15.68	0.099193	82,362	392,684	15.92
75–80	0.173662	72,924	334,673	12.23	0.164523	74,192	342,097	12.38
80–85	0.275100	60,259	261,152	9.25	0.266946	61,986	269,857	9.30
85–90	0.415710	43,682	172,718	6.78	0.413163	45,439	179,955	6.75
90–95	0.586590	25,523	87,676	4.84	0.593308	26,665	91,121	4.76
95–100	0.758482	10,551	29,583	3.39	0.770394	10,844	30,030	3.29
100 and over	1.000000	2,548	6,157	2.42	1.000000	2,490	5,687	2.28
	Pneumonitis due to solids and liquids (J69)				Chronic liver disease and cirrhosis (K70,K73–K74)			
0–1	0.005114	100,000	99,582	80.04	0.005116	100,000	99,582	80.11
1–5	0.001032	99,489	397,711	79.45	0.001036	99,488	397,709	79.52
5–10	0.000665	99,386	496,755	75.53	0.000667	99,385	496,751	75.60
10–15	0.000747	99,320	496,447	70.58	0.000749	99,319	496,443	70.65
15–20	0.001972	99,246	495,771	65.63	0.001972	99,245	495,766	65.70
20–25	0.002152	99,050	494,718	60.75	0.002152	99,049	494,713	60.82
25–30	0.002356	98,837	493,620	55.88	0.002354	98,836	493,615	55.95
30–35	0.003231	98,604	492,277	51.00	0.003188	98,603	492,283	51.08
35–40	0.004997	98,285	490,281	46.16	0.004839	98,289	490,335	46.23
40–45	0.007567	97,794	487,233	41.38	0.007299	97,813	487,389	41.44
45–50	0.011168	97,054	482,742	36.67	0.010792	97,099	483,051	36.73
50–55	0.017353	95,970	475,981	32.06	0.016945	96,051	476,473	32.10
55–60	0.028336	94,305	465,342	27.58	0.027843	94,424	466,036	27.61
60–65	0.045353	91,633	448,471	23.30	0.044703	91,795	449,403	23.32
65–70	0.068974	87,477	423,153	19.28	0.068251	87,691	424,339	19.29
70–75	0.107766	81,443	386,672	15.52	0.107090	81,706	388,049	15.51
75–80	0.176421	72,667	333,019	12.07	0.176131	72,956	334,397	12.05
80–85	0.280729	59,847	258,547	9.09	0.281500	60,106	259,558	9.06
85–90	0.425405	43,046	169,153	6.63	0.427766	43,187	169,448	6.60
90–95	0.600798	24,734	84,028	4.70	0.604463	24,713	83,714	4.67
95–100	0.774541	9,874	27,224	3.27	0.778140	9,775	26,849	3.24
100 and over	1.000000	2,226	5,055	2.27	1.000000	2,169	4,868	2.24

See footnote at end of table.

Table 5. Abridged life tables for all causes of death combined and eliminating specified causes, for white females: United States, 1999–2001—Con.

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[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)				Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)			
0–1	0.005095	100,000	99,584	80.12	0.003829	100,000	99,687	80.14
1–5	0.001032	99,491	397,719	79.53	0.000920	99,617	398,251	79.44
5–10	0.000665	99,388	496,764	75.61	0.000622	99,525	497,464	75.52
10–15	0.000747	99,322	496,456	70.66	0.000706	99,464	497,174	70.56
15–20	0.001969	99,248	495,781	65.71	0.001931	99,393	496,518	65.61
20–25	0.002140	99,052	494,731	60.84	0.002106	99,201	495,486	60.73
25–30	0.002347	98,840	493,638	55.96	0.002312	98,993	494,408	55.85
30–35	0.003213	98,608	492,302	51.09	0.003182	98,764	493,086	50.98
35–40	0.004971	98,291	490,317	46.24	0.004952	98,449	491,109	46.13
40–45	0.007529	97,803	487,283	41.46	0.007525	97,962	488,077	41.35
45–50	0.011106	97,066	482,816	36.75	0.011119	97,225	483,600	36.64
50–55	0.017236	95,988	476,096	32.14	0.017308	96,144	476,850	32.02
55–60	0.028113	94,334	465,533	27.65	0.028292	94,480	466,213	27.54
60–65	0.044929	91,682	448,802	23.38	0.045347	91,807	449,323	23.26
65–70	0.068217	87,563	423,723	19.35	0.069052	87,643	423,941	19.24
70–75	0.106626	81,589	387,583	15.57	0.108072	81,591	387,316	15.47
75–80	0.174784	72,890	334,325	12.12	0.177198	72,774	333,376	12.03
80–85	0.278718	60,150	260,150	9.12	0.282345	59,878	258,450	9.05
85–90	0.423403	43,385	170,703	6.65	0.428234	42,972	168,556	6.59
90–95	0.599226	25,016	85,090	4.71	0.604624	24,570	83,220	4.67
95–100	0.773363	10,026	27,676	3.28	0.778105	9,714	26,684	3.25
100 and over	1.000000	2,272	5,162	2.27	1.000000	2,156	4,840	2.25
	Accidents (unintentional injuries) (V01–X59,Y85–Y86)				Motor vehicle accidents (V02–V04,V09.0, V09.2,V12–V14,V19.0–V19.2,V19.4–V19.6,V20–V79, V80.3–V80.5,V81.0–V81.1,V82.0–V82.1,V83–V86, V87.0–V87.8,V88.0–V88.8,V89.0,V89.2)			
0–1	0.004953	100,000	99,595	80.53	0.005081	100,000	99,585	80.28
1–5	0.000685	99,505	397,857	79.93	0.000901	99,492	397,755	79.69
5–10	0.000413	99,437	497,074	75.99	0.000509	99,402	496,877	75.76
10–15	0.000478	99,395	496,880	71.02	0.000558	99,352	496,644	70.80
15–20	0.000863	99,348	496,539	66.05	0.001006	99,296	496,248	65.83
20–25	0.001255	99,262	496,000	61.10	0.001455	99,196	495,622	60.90
25–30	0.001663	99,138	495,288	56.18	0.001887	99,052	494,807	55.98
30–35	0.002539	98,973	494,278	51.27	0.002825	98,865	493,675	51.08
35–40	0.004133	98,721	492,656	46.39	0.004542	98,586	491,885	46.22
40–45	0.006673	98,313	490,026	41.57	0.007158	98,138	489,040	41.42
45–50	0.010335	97,657	485,932	36.83	0.010791	97,436	484,724	36.70
50–55	0.016603	96,648	479,511	32.19	0.016999	96,384	478,112	32.07
55–60	0.027539	95,044	469,162	27.69	0.027957	94,746	467,600	27.58
60–65	0.044535	92,426	452,530	23.40	0.045008	92,097	450,817	23.30
65–70	0.068007	88,310	427,383	19.36	0.068652	87,952	425,517	19.27
70–75	0.106559	82,304	390,991	15.58	0.107556	81,914	388,946	15.49
75–80	0.174679	73,534	337,298	12.12	0.176541	73,104	335,001	12.04
80–85	0.278459	60,689	262,521	9.13	0.281699	60,198	259,923	9.06
85–90	0.422901	43,790	172,351	6.66	0.427771	43,240	169,658	6.60
90–95	0.598485	25,271	86,008	4.72	0.604472	24,743	83,817	4.67
95–100	0.772717	10,147	28,029	3.28	0.778118	9,787	26,882	3.24
100 and over	1.000000	2,306	5,257	2.28	1.000000	2,171	4,874	2.24

See footnote at end of table.

Table 5. Abridged life tables for all causes of death combined and eliminating specified causes, for white females: United States, 1999–2001—Con.

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Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	All other accidents (V01,V05–V06,V09.1,V09.3,V09.9, V10–V11,V15–V18,V19.3,V19.8–V19.9,V80.0–V80.2, V80.6–V80.9,V81.2–V81.9,V82.2–V82.9,V87.9,V88.9, V89.1,V89.3–V89.9,V90–V99,W00–X59,Y85–Y86)				Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)			
0–1	0.004989	100,000	99,592	80.24	0.005117	100,000	99,582	80.10
1–5	0.000820	99,501	397,811	79.64	0.001036	99,488	397,709	79.52
5–10	0.000571	99,420	496,947	75.70	0.000666	99,385	496,751	75.60
10–15	0.000669	99,363	496,677	70.74	0.000718	99,319	496,448	70.65
15–20	0.001831	99,296	496,056	65.79	0.001829	99,248	495,814	65.69
20–25	0.001955	99,114	495,088	60.90	0.001986	99,066	494,840	60.81
25–30	0.002140	98,921	494,090	56.02	0.002152	98,869	493,831	55.93
30–35	0.002953	98,709	492,865	51.13	0.002973	98,657	492,599	51.04
35–40	0.004596	98,417	491,032	46.28	0.004673	98,363	490,744	46.18
40–45	0.007101	97,965	488,192	41.48	0.007203	97,904	487,861	41.39
45–50	0.010736	97,270	483,911	36.76	0.010807	97,198	483,541	36.67
50–55	0.016999	96,225	477,324	32.13	0.017018	96,148	476,937	32.04
55–60	0.027988	94,590	466,823	27.64	0.028081	94,512	466,418	27.55
60–65	0.044998	91,942	450,062	23.35	0.045211	91,858	449,603	23.27
65–70	0.068526	87,805	424,832	19.33	0.068970	87,705	424,255	19.24
70–75	0.107179	81,788	388,421	15.56	0.107984	81,656	387,639	15.47
75–80	0.175482	73,022	334,811	12.10	0.177146	72,838	333,681	12.03
80–85	0.279282	60,208	260,320	9.12	0.282356	59,935	258,694	9.05
85–90	0.423551	43,393	170,719	6.65	0.428293	43,012	168,707	6.59
90–95	0.598796	25,014	85,112	4.72	0.604695	24,590	83,284	4.67
95–100	0.772845	10,036	27,719	3.28	0.778208	9,721	26,698	3.24
100 and over	1.000000	2,280	5,196	2.28	1.000000	2,156	4,839	2.24
	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)				Alcohol-induced causes (F10,G31.2,G62.1,I42.6, K29.2,K70,R78.0,X45,X65,Y15)			
0–1	0.005067	100,000	99,586	80.06	0.005116	100,000	99,582	80.06
1–5	0.000974	99,493	397,744	79.47	0.001036	99,488	397,709	79.47
5–10	0.000637	99,396	496,815	75.54	0.000667	99,385	496,751	75.55
10–15	0.000714	99,333	496,520	70.59	0.000749	99,319	496,442	70.60
15–20	0.001865	99,262	495,878	65.64	0.001970	99,245	495,766	65.65
20–25	0.001973	99,077	494,898	60.76	0.002150	99,049	494,714	60.77
25–30	0.002198	98,882	493,881	55.87	0.002349	98,836	493,618	55.90
30–35	0.003069	98,664	492,616	50.99	0.003178	98,604	492,290	51.02
35–40	0.004837	98,362	490,698	46.14	0.004840	98,291	490,343	46.18
40–45	0.007438	97,886	487,719	41.35	0.007319	97,815	487,392	41.39
45–50	0.011071	97,158	483,279	36.64	0.010851	97,099	483,036	36.67
50–55	0.017297	96,082	476,547	32.02	0.017061	96,045	476,417	32.05
55–60	0.028324	94,420	465,913	27.53	0.028053	94,407	465,906	27.56
60–65	0.045398	91,746	449,015	23.26	0.045095	91,758	449,140	23.27
65–70	0.069097	87,581	423,630	19.24	0.068844	87,620	423,873	19.25
70–75	0.108103	81,529	387,015	15.47	0.107916	81,588	387,331	15.47
75–80	0.177268	72,716	333,099	12.02	0.177129	72,784	333,434	12.03
80–85	0.282452	59,826	258,207	9.05	0.282379	59,891	258,502	9.05
85–90	0.428357	42,928	168,369	6.59	0.428334	42,979	168,574	6.59
90–95	0.604741	24,539	83,108	4.67	0.604736	24,570	83,212	4.67
95–100	0.778227	9,699	26,639	3.24	0.778212	9,712	26,673	3.24
100 and over	1.000000	2,151	4,828	2.24	1.000000	2,154	4,835	2.24

See footnote at end of table.

Table 5. Abridged life tables for all causes of death combined and eliminating specified causes, for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table05.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Drug-induced causes (F11.0–F11.5,F11.7–F11.9, F12.0–F12.5,F12.7–F12.9,F13.0–F13.5,F13.7–F13.9, F14.0–F14.5,F14.7–F14.9,F15.0–F15.5,F15.7–F15.9, F16.0–F16.5,F16.7–F16.9,F17.0,F17.3–F17.5,F17.7–F17.9, F18.0–F18.5,F18.7–F18.9,F19.0–F19.5,F19.7–F19.9, X40–X44,X60–X64,X85,Y10–Y14)				Injury by firearms (*U01.4, W32–W34,X72–X74,X93–X95,Y22–Y24,Y35.0)			
0–1	0.005113	100,000	99,582	80.11	0.005115	100,000	99,582	80.06
1–5	0.001034	99,489	397,711	79.52	0.001026	99,489	397,712	79.48
5–10	0.000665	99,386	496,754	75.61	0.000654	99,386	496,760	75.56
10–15	0.000741	99,320	496,447	70.65	0.000721	99,321	496,460	70.60
15–20	0.001898	99,246	495,790	65.70	0.001853	99,250	495,819	65.65
20–25	0.001986	99,058	494,798	60.82	0.001990	99,066	494,837	60.77
25–30	0.002135	98,861	493,793	55.94	0.002195	98,869	493,817	55.89
30–35	0.002917	98,650	492,579	51.05	0.003054	98,652	492,556	51.00
35–40	0.004534	98,362	490,771	46.20	0.004787	98,350	490,654	46.15
40–45	0.007020	97,916	487,966	41.39	0.007382	97,880	487,700	41.36
45–50	0.010686	97,229	483,720	36.67	0.011006	97,157	483,289	36.65
50–55	0.017032	96,190	477,141	32.04	0.017217	96,088	476,593	32.03
55–60	0.028148	94,552	466,600	27.54	0.028231	94,433	465,999	27.54
60–65	0.045293	91,890	449,744	23.26	0.045322	91,767	449,137	23.26
65–70	0.069050	87,728	424,352	19.24	0.069043	87,608	423,774	19.24
70–75	0.108050	81,671	387,696	15.47	0.108062	81,560	387,167	15.47
75–80	0.177194	72,846	333,709	12.02	0.177240	72,746	333,243	12.02
80–85	0.282373	59,938	258,704	9.05	0.282442	59,853	258,325	9.05
85–90	0.428287	43,013	168,712	6.59	0.428360	42,948	168,447	6.59
90–95	0.604675	24,591	83,288	4.67	0.604754	24,551	83,146	4.67
95–100	0.778192	9,722	26,701	3.24	0.778238	9,704	26,650	3.24
100 and over	1.000000	2,156	4,840	2.24	1.000000	2,152	4,830	2.24

. . . Category not applicable.

Table 6. Abridged life tables for all causes of death combined and eliminating specified causes, for black males: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table06.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Eliminating no cause				Septicemia (A40–A41)			
0–1	0.015630	100,000	98,729	68.17	0.015441	100,000	98,744	68.40
1–5	0.002211	98,437	393,217	68.25	0.002174	98,456	393,302	68.47
5–10	0.001285	98,219	490,757	64.40	0.001276	98,242	490,872	64.62
10–15	0.001660	98,093	490,168	59.48	0.001653	98,117	490,286	59.70
15–20	0.006696	97,930	488,244	54.57	0.006677	97,954	488,368	54.79
20–25	0.012048	97,275	483,551	49.92	0.012000	97,300	483,690	50.14
25–30	0.012097	96,103	477,599	45.50	0.012027	96,133	477,765	45.72
30–35	0.013688	94,940	471,554	41.02	0.013572	94,976	471,761	41.25
35–40	0.018107	93,641	464,197	36.56	0.017925	93,687	464,470	36.78
40–45	0.027254	91,945	453,877	32.18	0.026942	92,008	454,256	32.40
45–50	0.042332	89,439	438,269	28.01	0.041738	89,529	438,836	28.22
50–55	0.059820	85,653	416,054	24.13	0.058890	85,793	416,922	24.34
55–60	0.086191	80,529	386,060	20.50	0.084779	80,740	387,344	20.70
60–65	0.116979	73,588	347,152	17.19	0.115012	73,895	348,950	17.37
65–70	0.165088	64,980	298,951	14.12	0.162150	65,396	301,331	14.30
70–75	0.231512	54,253	240,424	11.40	0.227311	54,792	243,380	11.56
75–80	0.316489	41,693	175,378	9.07	0.310371	42,337	178,740	9.22
80–85	0.419864	28,497	111,681	7.12	0.412168	29,197	115,002	7.24
85–90	0.538755	16,532	58,899	5.52	0.529155	17,163	61,585	5.62
90–95	0.663677	7,625	23,988	4.23	0.654117	8,081	25,637	4.31
95–100	0.780445	2,565	6,903	3.24	0.772946	2,795	7,585	3.29
100 and over	1.000000	563	1,394	2.48	1.000000	635	1,608	2.53
	Human immunodeficiency virus (HIV) disease (B20–B24)				Malignant neoplasms (C00–C97)			
0–1	0.015611	100,000	98,731	68.80	0.015620	100,000	98,730	71.60
1–5	0.002185	98,439	393,231	68.88	0.002117	98,438	393,244	71.74
5–10	0.001262	98,224	490,785	65.03	0.001166	98,230	490,840	67.89
10–15	0.001634	98,100	490,206	60.11	0.001502	98,115	490,306	62.96
15–20	0.006657	97,940	488,298	55.20	0.006444	97,968	488,484	58.05
20–25	0.011871	97,288	483,657	50.56	0.011709	97,336	483,938	53.41
25–30	0.011203	96,133	477,964	46.13	0.011692	96,197	478,164	49.01
30–35	0.011366	95,056	472,663	41.63	0.013041	95,072	472,358	44.56
35–40	0.014667	93,975	466,621	37.07	0.016764	93,832	465,445	40.12
40–45	0.022983	92,597	458,019	32.59	0.023968	92,259	456,136	35.76
45–50	0.037868	90,469	444,268	28.29	0.034959	90,048	442,818	31.57
50–55	0.056312	87,043	423,534	24.30	0.045827	86,900	425,009	27.62
55–60	0.083736	82,141	394,271	20.59	0.062012	82,917	402,300	23.82
60–65	0.115294	75,263	355,359	17.24	0.081883	77,776	373,498	20.22
65–70	0.163952	66,586	306,521	14.15	0.114921	71,407	337,185	16.79
70–75	0.230742	55,669	246,805	11.42	0.165245	63,201	290,362	13.64
75–80	0.316103	42,824	180,178	9.08	0.236562	52,757	232,494	10.83
80–85	0.419685	29,287	114,790	7.12	0.332984	40,277	166,855	8.42
85–90	0.538686	16,996	60,553	5.52	0.454204	26,865	101,772	6.41
90–95	0.663619	7,840	24,665	4.23	0.593809	14,663	48,988	4.80
95–100	0.780370	2,637	7,099	3.24	0.728368	5,956	16,949	3.60
100 and over	1.000000	579	1,434	2.48	1.000000	1,618	4,468	2.76

Table 6. Abridged life tables for all causes of death combined and eliminating specified causes, for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table06.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasms of colon, rectum and anus (C18–C21)				Malignant neoplasm of pancreas (C25)			
0–1	0.015630	100,000	98,729	68.46	0.015630	100,000	98,729	68.31
1–5	0.002211	98,437	393,217	68.55	0.002211	98,437	393,217	68.40
5–10	0.001285	98,219	490,757	64.69	0.001285	98,219	490,757	64.54
10–15	0.001660	98,093	490,168	59.77	0.001660	98,093	490,168	59.62
15–20	0.006692	97,930	488,245	54.87	0.006696	97,930	488,244	54.72
20–25	0.012026	97,275	483,558	50.22	0.012048	97,275	483,551	50.07
25–30	0.012066	96,105	477,619	45.80	0.012093	96,103	477,600	45.65
30–35	0.013609	94,946	471,599	41.33	0.013670	94,940	471,560	41.17
35–40	0.017928	93,653	464,301	36.86	0.018048	93,643	464,220	36.71
40–45	0.026897	91,974	454,099	32.49	0.027113	91,952	453,944	32.34
45–50	0.041560	89,501	438,733	28.31	0.041953	89,459	438,448	28.16
50–55	0.058510	85,781	416,944	24.42	0.058995	85,706	416,481	24.28
55–60	0.083760	80,762	387,645	20.78	0.084838	80,650	386,900	20.64
60–65	0.113660	73,997	349,675	17.44	0.115233	73,808	348,499	17.31
65–70	0.160333	65,587	302,497	14.35	0.162591	65,303	300,830	14.23
70–75	0.225592	55,071	244,851	11.59	0.228443	54,685	242,752	11.49
75–80	0.308896	42,648	180,207	9.23	0.312997	42,193	177,851	9.14
80–85	0.411314	29,474	116,157	7.24	0.416371	28,986	113,859	7.16
85–90	0.530417	17,351	62,201	5.60	0.536062	16,917	60,392	5.54
90–95	0.656540	8,148	25,793	4.29	0.661624	7,849	24,735	4.25
95–100	0.774265	2,798	7,583	3.28	0.779314	2,656	7,157	3.24
100 and over	1.000000	632	1,582	2.50	1.000000	586	1,454	2.48
	Malignant neoplasms of trachea, bronchus and lung (C33–C34)				Malignant neoplasm of breast (C50)			
0–1	0.015629	100,000	98,729	69.14	0.015630	100,000	98,729	68.18
1–5	0.002210	98,437	393,218	69.23	0.002211	98,437	393,217	68.26
5–10	0.001284	98,220	490,758	65.38	0.001285	98,219	490,757	64.40
10–15	0.001659	98,093	490,170	60.47	0.001660	98,093	490,168	59.48
15–20	0.006692	97,931	488,247	55.56	0.006696	97,930	488,244	54.58
20–25	0.012043	97,275	483,556	50.92	0.012048	97,275	483,551	49.93
25–30	0.012083	96,104	477,609	46.50	0.012094	96,103	477,600	45.50
30–35	0.013660	94,943	471,573	42.04	0.013686	94,940	471,556	41.03
35–40	0.017875	93,646	464,274	37.59	0.018096	93,641	464,202	36.56
40–45	0.026304	91,972	454,214	33.23	0.027242	91,947	453,888	32.19
45–50	0.040051	89,553	439,307	29.05	0.042320	89,442	438,285	28.02
50–55	0.055108	85,966	418,540	25.15	0.059781	85,657	416,079	24.14
55–60	0.077703	81,229	391,060	21.47	0.086142	80,536	386,101	20.50
60–65	0.104462	74,917	355,684	18.06	0.116908	73,598	347,212	17.19
65–70	0.146720	67,091	311,643	14.86	0.165029	64,994	299,025	14.13
70–75	0.209522	57,247	256,785	11.97	0.231389	54,268	240,509	11.41
75–80	0.292959	45,253	193,023	9.47	0.316378	41,711	175,468	9.07
80–85	0.399797	31,996	127,044	7.36	0.419736	28,515	111,758	7.12
85–90	0.523064	19,204	69,221	5.65	0.538561	16,546	58,956	5.52
90–95	0.655300	9,159	29,026	4.29	0.663590	7,635	24,020	4.23
95–100	0.776573	3,157	8,534	3.26	0.780144	2,568	6,916	3.24
100 and over	1.000000	705	1,772	2.51	1.000000	565	1,398	2.48

Table 6. Abridged life tables for all causes of death combined and eliminating specified causes, for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table06.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
Age (years)								
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasm of prostate (C61)				Diabetes mellitus (E10–E14)			
0–1	0.015630	100,000	98,729	68.57	0.015628	100,000	98,729	68.62
1–5	0.002211	98,437	393,217	68.66	0.002210	98,437	393,218	68.71
5–10	0.001285	98,219	490,757	64.81	0.001282	98,220	490,759	64.85
10–15	0.001660	98,093	490,168	59.89	0.001647	98,094	490,173	59.93
15–20	0.006696	97,930	488,244	54.98	0.006675	97,932	488,258	55.03
20–25	0.012048	97,275	483,551	50.33	0.011979	97,278	483,587	50.38
25–30	0.012095	96,103	477,599	45.91	0.011955	96,113	477,686	45.96
30–35	0.013688	94,940	471,555	41.45	0.013439	94,964	471,731	41.48
35–40	0.018104	93,641	464,198	36.98	0.017723	93,688	464,517	37.01
40–45	0.027225	91,945	453,886	32.62	0.026657	92,028	454,413	32.63
45–50	0.042194	89,442	438,314	28.46	0.041064	89,574	439,200	28.45
50–55	0.059383	85,668	416,218	24.59	0.057700	85,896	417,669	24.56
55–60	0.084929	80,581	386,552	20.98	0.082667	80,940	388,710	20.90
60–65	0.113906	73,737	348,403	17.69	0.112027	74,249	351,156	17.55
65–70	0.158693	65,338	301,610	14.63	0.158242	65,931	304,417	14.44
70–75	0.219764	54,970	245,186	11.90	0.222875	55,498	247,119	11.67
75–80	0.298555	42,889	182,340	9.53	0.305840	43,129	182,571	9.29
80–85	0.393602	30,084	119,935	7.53	0.407977	29,938	118,244	7.28
85–90	0.508624	18,243	66,461	5.84	0.527760	17,724	63,665	5.63
90–95	0.633484	8,964	28,956	4.48	0.653345	8,370	26,572	4.31
95–100	0.755332	3,286	9,088	3.40	0.774882	2,902	7,858	3.27
100 and over	1.000000	804	2,099	2.61	1.000000	653	1,639	2.51
	Alzheimer's disease (G30)				Major cardiovascular diseases (I00–I78)			
0–1	0.015630	100,000	98,729	68.22	0.015333	100,000	98,753	73.84
1–5	0.002211	98,437	393,217	68.30	0.002101	98,467	393,362	73.99
5–10	0.001285	98,219	490,757	64.45	0.001238	98,260	490,972	70.14
10–15	0.001660	98,093	490,168	59.53	0.001569	98,138	490,409	65.23
15–20	0.006696	97,930	488,244	54.62	0.006420	97,984	488,571	60.32
20–25	0.012048	97,275	483,551	49.97	0.011505	97,355	484,079	55.70
25–30	0.012097	96,103	477,599	45.55	0.011177	96,235	478,479	51.31
30–35	0.013688	94,940	471,554	41.07	0.012024	95,159	473,027	46.87
35–40	0.018107	93,641	464,197	36.61	0.014889	94,015	466,769	42.40
40–45	0.027254	91,945	453,877	32.23	0.020716	92,615	458,600	38.01
45–50	0.042329	89,439	438,270	28.06	0.030470	90,697	446,968	33.75
50–55	0.059809	85,653	416,058	24.19	0.039979	87,933	431,288	29.73
55–60	0.086150	80,530	386,074	20.56	0.054937	84,418	411,006	25.86
60–65	0.116878	73,593	347,191	17.25	0.073361	79,780	384,766	22.21
65–70	0.164722	64,991	299,061	14.19	0.105253	73,927	350,815	18.77
70–75	0.230480	54,286	240,708	11.48	0.147063	66,146	306,846	15.67
75–80	0.313999	41,774	175,982	9.16	0.202655	56,419	253,425	12.93
80–85	0.414939	28,657	112,671	7.21	0.270472	44,985	193,600	10.59
85–90	0.530927	16,766	60,082	5.60	0.350649	32,818	133,389	8.61
90–95	0.655390	7,865	24,922	4.30	0.445631	21,310	80,019	7.00
95–100	0.773412	2,710	7,351	3.29	0.532603	11,814	40,459	5.85
100 and over	1.000000	614	1,556	2.53	1.000000	5,522	28,711	5.20

Table 6. Abridged life tables for all causes of death combined and eliminating specified causes, for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table06.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and $x + n$			Number surviving to age x	Person-years lived between ages x and $x + n$	
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Diseases of heart (I00–I09,I11,I13,I20–I51)				Hypertensive heart disease (I11)			
0–1	0.015418	100,000	98,746	72.16	0.015630	100,000	98,729	68.43
1–5	0.002115	98,458	393,325	72.29	0.002211	98,437	393,217	68.51
5–10	0.001240	98,250	490,922	68.44	0.001285	98,219	490,757	64.66
10–15	0.001585	98,128	490,356	63.52	0.001660	98,093	490,168	59.74
15–20	0.006445	97,973	488,507	58.62	0.006690	97,930	488,245	54.83
20–25	0.011585	97,341	483,990	53.98	0.012010	97,275	483,563	50.18
25–30	0.011333	96,213	478,333	49.58	0.012027	96,107	477,637	45.76
30–35	0.012321	95,123	472,777	45.12	0.013518	94,951	471,647	41.29
35–40	0.015539	93,951	466,306	40.65	0.017797	93,667	464,399	36.82
40–45	0.022149	92,491	457,675	36.25	0.026593	92,000	454,293	32.44
45–50	0.033120	90,442	445,150	32.01	0.041214	89,554	439,068	28.25
50–55	0.044305	87,447	428,002	28.02	0.058164	85,863	417,413	24.35
55–60	0.061197	83,573	405,642	24.20	0.083981	80,869	388,115	20.69
60–65	0.082734	78,458	376,615	20.60	0.114436	74,077	349,914	17.35
65–70	0.118623	71,967	339,185	17.23	0.162063	65,600	302,285	14.26
70–75	0.167441	63,430	291,073	14.20	0.227897	54,969	244,085	11.52
75–80	0.232837	52,809	233,216	11.54	0.312217	42,442	178,984	9.17
80–85	0.312885	40,513	169,931	9.29	0.414583	29,191	114,795	7.20
85–90	0.407533	27,837	108,920	7.42	0.532941	17,089	61,146	5.58
90–95	0.512774	16,493	58,835	5.91	0.657887	7,981	25,237	4.28
95–100	0.614501	8,036	25,573	4.82	0.774183	2,731	7,400	3.28
100 and over	1.000000	3,098	13,141	4.24	1.000000	617	1,552	2.52
	Ischemic heart diseases (I20–I25)				Acute myocardial infarction (I21–I22)			
0–1	0.015621	100,000	98,730	70.60	0.015625	100,000	98,729	68.97
1–5	0.002210	98,438	393,221	70.71	0.002211	98,438	393,219	69.06
5–10	0.001280	98,220	490,764	66.87	0.001281	98,220	490,761	65.21
10–15	0.001655	98,095	490,176	61.95	0.001657	98,094	490,173	60.29
15–20	0.006676	97,932	488,258	57.05	0.006689	97,932	488,252	55.39
20–25	0.011979	97,279	483,587	52.41	0.012022	97,276	483,566	50.74
25–30	0.011923	96,113	477,694	48.02	0.012025	96,107	477,638	46.33
30–35	0.013265	94,967	471,786	43.56	0.013531	94,951	471,646	41.86
35–40	0.017043	93,708	464,765	39.12	0.017745	93,667	464,406	37.40
40–45	0.024654	92,111	455,253	34.75	0.026273	92,004	454,381	33.03
45–50	0.037097	89,840	441,341	30.56	0.040422	89,587	439,398	28.85
50–55	0.050005	86,507	422,225	26.63	0.056309	85,966	418,294	24.95
55–60	0.069433	82,181	397,270	22.90	0.080132	81,125	390,092	21.28
60–65	0.093034	76,475	365,193	19.41	0.108525	74,625	353,564	17.91
65–70	0.132376	69,360	324,591	16.14	0.153277	66,526	307,964	14.77
70–75	0.185803	60,179	273,439	13.21	0.215239	56,329	251,876	11.98
75–80	0.257334	48,997	213,372	10.64	0.295895	44,205	188,228	9.57
80–85	0.345679	36,389	149,557	8.46	0.393866	31,125	124,062	7.54
85–90	0.451235	23,810	90,386	6.65	0.507537	18,866	68,784	5.87
90–95	0.564083	13,066	44,738	5.21	0.631021	9,291	30,074	4.51
95–100	0.679205	5,696	17,036	4.09	0.749043	3,428	9,546	3.46
100 and over	1.000000	1,827	6,259	3.43	1.000000	860	2,319	2.70

Table 6. Abridged life tables for all causes of death combined and eliminating specified causes, for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table06.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

| Age (years) | Probability of dying between ages x and x + n | Of 100,000 born alive | | Expectation of life at age x | Probability of dying between ages x and x + n | Of 100,000 born alive | | Expectation of life at age x |
| | | Number surviving to age x | Person-years lived between ages x and x + n | | | Number surviving to age x | Person-years lived between ages x and x + n | |
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Other heart diseases (I26–I51)				Heart failure (I50)			
0–1	0.015433	100,000	98,745	69.04	0.015615	100,000	98,730	68.33
1–5	0.002116	98,457	393,319	69.12	0.002207	98,438	393,224	68.41
5–10	0.001246	98,248	490,912	65.26	0.001281	98,221	490,767	64.55
10–15	0.001591	98,126	490,344	60.34	0.001659	98,095	490,179	59.63
15–20	0.006478	97,970	488,487	55.43	0.006685	97,933	488,258	54.73
20–25	0.011704	97,335	483,932	50.77	0.012033	97,278	483,571	50.08
25–30	0.011588	96,196	478,185	46.34	0.012063	96,107	477,631	45.66
30–35	0.012958	95,081	472,423	41.86	0.013655	94,948	471,601	41.18
35–40	0.016979	93,849	465,481	37.37	0.018041	93,651	464,266	36.72
40–45	0.025546	92,256	455,778	32.97	0.027127	91,962	453,988	32.34
45–50	0.039685	89,899	441,083	28.77	0.042060	89,467	438,464	28.17
50–55	0.056042	86,331	420,126	24.85	0.059337	85,704	416,401	24.29
55–60	0.080657	81,493	391,758	21.17	0.085367	80,619	386,648	20.66
60–65	0.109898	74,920	354,715	17.79	0.115746	73,737	348,071	17.34
65–70	0.155447	66,686	308,357	14.67	0.163005	65,202	300,300	14.28
70–75	0.218552	56,320	251,378	11.90	0.228232	54,574	242,285	11.55
75–80	0.299119	44,011	187,048	9.51	0.311526	42,118	177,692	9.22
80–85	0.397221	30,847	122,687	7.51	0.412305	28,997	114,205	7.26
85–90	0.509526	18,594	67,693	5.86	0.527673	17,042	61,217	5.65
90–95	0.631814	9,120	29,500	4.53	0.650269	8,049	25,622	4.36
95–100	0.745582	3,358	9,384	3.51	0.765509	2,815	7,701	3.35
100 and over	1.000000	854	2,398	2.81	1.000000	660	1,736	2.63
	Essential (primary) hypertension and hypertensive renal disease (I10,I12)				Cerebrovascular diseases (I60–I69)			
0–1	0.015629	100,000	98,729	68.31	0.015554	100,000	98,735	68.86
1–5	0.002210	98,437	393,218	68.39	0.002199	98,445	393,251	68.95
5–10	0.001285	98,220	490,758	64.54	0.001282	98,228	490,802	65.10
10–15	0.001659	98,093	490,169	59.62	0.001646	98,102	490,216	60.18
15–20	0.006696	97,931	488,246	54.71	0.006676	97,941	488,301	55.27
20–25	0.012032	97,275	483,556	50.06	0.012000	97,287	483,624	50.62
25–30	0.012071	96,104	477,614	45.64	0.011998	96,119	477,707	46.21
30–35	0.013634	94,944	471,588	41.17	0.013505	94,966	471,726	41.74
35–40	0.017992	93,650	464,269	36.70	0.017669	93,684	464,508	37.27
40–45	0.027002	91,965	454,030	32.33	0.026291	92,028	454,496	32.90
45–50	0.041896	89,482	438,570	28.15	0.040454	89,609	439,498	28.71
50–55	0.059048	85,733	416,599	24.27	0.056862	85,984	418,267	24.81
55–60	0.085200	80,670	386,928	20.62	0.081874	81,095	389,607	21.15
60–65	0.115565	73,797	348,390	17.30	0.110602	74,455	352,388	17.80
65–70	0.163211	65,269	300,576	14.22	0.156013	66,220	306,111	14.70
70–75	0.229070	54,616	242,362	11.50	0.217862	55,889	249,548	11.94
75–80	0.313118	42,105	177,470	9.16	0.297154	43,713	185,996	9.55
80–85	0.415266	28,921	113,685	7.19	0.394461	30,723	122,415	7.54
85–90	0.533072	16,911	60,506	5.58	0.507017	18,604	67,856	5.87
90–95	0.657920	7,896	24,967	4.28	0.631874	9,172	29,666	4.50
95–100	0.774033	2,701	7,322	3.28	0.750672	3,376	9,385	3.43
100 and over	1.000000	610	1,534	2.51	1.000000	842	2,209	2.62

Table 6. Abridged life tables for all causes of death combined and eliminating specified causes, for black males: United States, 1999–2001—Con.

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Age (years)	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and $x + n$	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and $x + n$			Number surviving to age x	Person-years lived between ages x and $x + n$	
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Influenza and pneumonia (J10–J18)				Chronic lower respiratory diseases (J40–J47)			
0–1	0.015452	100,000	98,743	68.41	0.015607	100,000	98,731	68.54
1–5	0.002148	98,455	393,303	68.48	0.002165	98,439	393,237	68.62
5–10	0.001273	98,243	490,880	64.62	0.001245	98,226	490,802	64.77
10–15	0.001649	98,118	490,295	59.70	0.001579	98,104	490,236	59.85
15–20	0.006672	97,956	488,379	54.80	0.006615	97,949	488,354	54.94
20–25	0.011994	97,303	483,704	50.15	0.011957	97,301	483,704	50.28
25–30	0.012008	96,136	477,785	45.72	0.011980	96,138	477,801	45.86
30–35	0.013561	94,981	471,789	41.25	0.013537	94,986	471,816	41.39
35–40	0.017912	93,693	464,502	36.78	0.017922	93,700	464,533	36.92
40–45	0.026859	92,015	454,309	32.40	0.026974	92,021	454,311	32.54
45–50	0.041751	89,544	438,905	28.22	0.041814	89,539	438,866	28.37
50–55	0.059024	85,805	416,956	24.34	0.058896	85,795	416,931	24.49
55–60	0.085132	80,741	387,278	20.70	0.084335	80,742	387,437	20.86
60–65	0.115457	73,867	348,739	17.38	0.113739	73,932	349,353	17.55
65–70	0.162719	65,339	300,975	14.32	0.159323	65,523	302,364	14.46
70–75	0.227451	54,707	242,981	11.60	0.222482	55,084	245,329	11.72
75–80	0.310176	42,264	178,449	9.26	0.304165	42,829	181,481	9.34
80–85	0.409981	29,154	114,998	7.30	0.405086	29,802	117,927	7.34
85–90	0.524988	17,202	61,916	5.69	0.523366	17,729	63,892	5.68
90–95	0.643673	8,171	26,161	4.41	0.648618	8,450	26,939	4.35
95–100	0.760801	2,912	8,006	3.39	0.767830	2,969	8,103	3.32
100 and over	1.000000	696	1,852	2.66	1.000000	689	1,757	2.55
	Pneumonitis due to solids and liquids (J69)				Chronic liver disease and cirrhosis (K70,K73–K74)			
0–1	0.015629	100,000	98,729	68.23	0.015628	100,000	98,729	68.36
1–5	0.002207	98,437	393,218	68.31	0.002211	98,437	393,218	68.44
5–10	0.001285	98,220	490,760	64.45	0.001283	98,220	490,759	64.59
10–15	0.001656	98,094	490,171	59.53	0.001659	98,094	490,170	59.67
15–20	0.006694	97,931	488,249	54.63	0.006694	97,931	488,247	54.77
20–25	0.012033	97,276	483,560	49.98	0.012037	97,275	483,557	50.12
25–30	0.012081	96,105	477,615	45.55	0.012062	96,104	477,616	45.69
30–35	0.013668	94,944	471,578	41.08	0.013620	94,945	471,595	41.22
35–40	0.018074	93,646	464,233	36.61	0.017818	93,652	464,318	36.76
40–45	0.027210	91,954	453,930	32.24	0.026501	91,983	454,228	32.37
45–50	0.042260	89,452	438,346	28.07	0.040896	89,546	439,094	28.18
50–55	0.059680	85,672	416,173	24.19	0.057913	85,884	417,564	24.27
55–60	0.086013	80,559	386,235	20.56	0.084228	80,910	388,264	20.60
60–65	0.116632	73,630	347,408	17.25	0.115233	74,095	349,854	17.26
65–70	0.164443	65,042	299,337	14.18	0.163317	65,557	301,885	14.17
70–75	0.230091	54,346	241,028	11.47	0.230103	54,850	243,261	11.43
75–80	0.314336	41,842	176,231	9.13	0.315479	42,229	177,741	9.09
80–85	0.416663	28,689	112,670	7.17	0.419267	28,907	113,330	7.13
85–90	0.534380	16,736	59,818	5.57	0.538296	16,787	59,827	5.52
90–95	0.658038	7,792	24,636	4.28	0.663302	7,751	24,390	4.24
95–100	0.774806	2,665	7,217	3.27	0.780445	2,610	7,024	3.24
100 and over	1.000000	600	1,501	2.50	1.000000	573	1,418	2.48

Table 6. Abridged life tables for all causes of death combined and eliminating specified causes, for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table06.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)				Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)			
0–1	0.015528	100,000	98,737	68.44	0.013888	100,000	98,871	68.34
1–5	0.002205	98,447	393,259	68.52	0.001983	98,611	393,968	68.30
5–10	0.001283	98,230	490,812	64.66	0.001218	98,416	491,756	64.44
10–15	0.001657	98,104	490,223	59.74	0.001590	98,296	491,193	59.51
15–20	0.006684	97,942	488,303	54.84	0.006582	98,139	489,311	54.60
20–25	0.012017	97,287	483,619	50.19	0.011958	97,493	484,660	49.94
25–30	0.012030	96,118	477,690	45.77	0.012033	96,328	478,733	45.52
30–35	0.013561	94,961	471,689	41.29	0.013614	95,169	472,706	41.04
35–40	0.017889	93,674	464,410	36.83	0.018033	93,873	465,366	36.57
40–45	0.026879	91,998	454,219	32.45	0.027159	92,180	455,059	32.20
45–50	0.041534	89,525	438,859	28.27	0.042233	89,677	439,454	28.02
50–55	0.058703	85,807	417,030	24.38	0.059722	85,889	417,222	24.14
55–60	0.084569	80,770	387,526	20.74	0.086099	80,760	387,183	20.51
60–65	0.114548	73,939	349,241	17.41	0.116896	73,806	348,196	17.19
65–70	0.161246	65,470	301,812	14.33	0.164985	65,179	299,881	14.13
70–75	0.226445	54,913	244,032	11.59	0.231398	54,425	241,203	11.41
75–80	0.309475	42,478	179,429	9.24	0.316362	41,831	175,975	9.08
80–85	0.410380	29,332	115,669	7.27	0.419719	28,597	112,084	7.12
85–90	0.527647	17,295	62,128	5.64	0.538561	16,595	59,129	5.52
90–95	0.652453	8,169	25,955	4.32	0.663533	7,657	24,091	4.24
95–100	0.770521	2,839	7,725	3.30	0.780370	2,576	6,935	3.24
100 and over	1.000000	652	1,651	2.53	1.000000	566	1,406	2.48
	Accidents (unintentional injuries) (V01–X59,Y85–Y86)				Motor vehicle accidents (V02–V04,V09.0, V09.2,V12–V14,V19.0–V19.2,V19.4–V19.6,V20–V79, V80.3–V80.5,V81.0–V81.1,V82.0–V82.1,V83–V86, V87.0–V87.8,V88.0–V88.8,V89.0,V89.2)			
0–1	0.015148	100,000	98,768	69.27	0.015582	100,000	98,733	68.69
1–5	0.001479	98,485	393,585	69.33	0.001970	98,442	393,294	68.78
5–10	0.000639	98,340	491,529	65.44	0.001004	98,248	490,504	64.91
10–15	0.001019	98,277	491,201	60.48	0.001350	98,149	490,504	59.97
15–20	0.004896	98,177	489,851	55.53	0.005475	98,017	488,931	55.05
20–25	0.009397	97,696	486,269	50.79	0.010132	97,480	485,022	50.34
25–30	0.009572	96,778	481,568	46.25	0.010436	96,492	479,938	45.83
30–35	0.011246	95,852	476,648	41.67	0.012309	95,485	474,581	41.28
35–40	0.015416	94,774	470,417	37.12	0.016834	94,310	467,800	36.77
40–45	0.023915	93,313	461,355	32.66	0.025925	92,722	458,003	32.35
45–50	0.038466	91,081	447,145	28.39	0.040967	90,319	442,869	28.14
50–55	0.056292	87,578	426,139	24.42	0.058600	86,618	420,996	24.23
55–60	0.082948	82,648	396,856	20.72	0.084963	81,543	391,157	20.57
60–65	0.113930	75,792	358,107	17.36	0.115812	74,614	352,203	17.24
65–70	0.161941	67,157	309,479	14.26	0.163999	65,973	303,694	14.16
70–75	0.227992	56,282	249,902	11.52	0.230413	55,154	244,565	11.43
75–80	0.312088	43,450	183,250	9.17	0.315230	42,446	178,679	9.10
80–85	0.414787	29,890	117,529	7.20	0.418704	29,065	113,994	7.13
85–90	0.533037	17,492	62,584	5.58	0.537556	16,896	60,247	5.53
90–95	0.656884	8,168	25,850	4.29	0.662897	7,813	24,596	4.24
95–100	0.774722	2,803	7,591	3.28	0.779842	2,634	7,094	3.24
100 and over	1.000000	631	1,590	2.52	1.000000	580	1,435	2.48

Table 6. Abridged life tables for all causes of death combined and eliminating specified causes, for black males: United States, 1999–2001—Con.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	All other accidents (V01,V05–V06,V09.1,V09.3,V09.9, V10–V11,V15–V18,V19.3,V19.8–V19.9,V80.0–V80.2, V80.6–V80.9,V81.2–V81.9,V82.2–V82.9,V87.9,V88.9, V89.1,V89.3–V89.9,V90–V99,W00–X59,Y85–Y86)				Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)			
0–1	0.015196	100,000	98,764	68.74	0.015630	100,000	98,729	68.39
1–5	0.001720	98,480	393,508	68.80	0.002211	98,437	393,217	68.47
5–10	0.000920	98,311	491,312	64.92	0.001283	98,219	490,758	64.62
10–15	0.001329	98,221	490,865	59.97	0.001573	98,093	490,184	59.70
15–20	0.006117	98,090	489,163	55.05	0.006249	97,939	488,381	54.79
20–25	0.011315	97,490	484,794	50.37	0.011072	97,327	484,040	50.12
25–30	0.011234	96,387	479,221	45.92	0.011225	96,249	478,538	45.65
30–35	0.012627	95,304	473,607	41.41	0.012951	95,169	472,861	41.14
35–40	0.016691	94,101	466,793	36.91	0.017413	93,936	465,818	36.64
40–45	0.025246	92,530	457,199	32.49	0.026686	92,301	455,755	32.25
45–50	0.039833	90,194	442,500	28.26	0.041803	89,838	440,334	28.06
50–55	0.057514	86,601	421,136	24.32	0.059360	86,082	418,233	24.17
55–60	0.084178	81,620	391,684	20.65	0.085757	80,972	388,267	20.53
60–65	0.115098	74,750	352,971	17.31	0.116629	74,028	349,290	17.21
65–70	0.163032	66,146	304,645	14.22	0.164667	65,394	300,924	14.14
70–75	0.229093	55,362	245,670	11.49	0.231009	54,626	242,146	11.42
75–80	0.313352	42,679	179,864	9.15	0.316042	42,007	176,748	9.08
80–85	0.415954	29,306	115,144	7.18	0.419438	28,731	112,629	7.12
85–90	0.534247	17,116	61,184	5.57	0.538449	16,680	59,439	5.52
90–95	0.657677	7,972	25,211	4.28	0.663446	7,699	24,223	4.24
95–100	0.775338	2,729	7,386	3.27	0.780370	2,591	6,975	3.24
100 and over	1.000000	613	1,544	2.52	1.000000	569	1,410	2.48
	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)				Alcohol-induced causes (F10,G31.2,G62.1,I42.6, K29.2,K70,R78.0,X45,X65,Y15)			
0–1	0.015414	100,000	98,747	69.13	0.015629	100,000	98,729	68.38
1–5	0.001948	98,459	393,367	69.21	0.002211	98,437	393,217	68.47
5–10	0.001217	98,267	491,012	65.35	0.001285	98,219	490,758	64.61
10–15	0.001502	98,147	490,467	60.42	0.001659	98,093	490,169	59.69
15–20	0.003710	98,000	489,219	55.51	0.006687	97,931	488,247	54.79
20–25	0.006262	97,636	486,709	50.71	0.012025	97,276	483,562	50.14
25–30	0.007661	97,025	483,261	46.01	0.012044	96,106	477,628	45.72
30–35	0.010788	96,281	478,893	41.34	0.013553	94,948	471,627	41.24
35–40	0.016056	95,243	472,601	36.77	0.017697	93,662	464,392	36.77
40–45	0.025582	93,714	462,973	32.32	0.026365	92,004	454,360	32.39
45–50	0.040941	91,316	447,767	28.10	0.040808	89,578	439,274	28.19
50–55	0.058797	87,578	425,617	24.19	0.057890	85,923	417,760	24.28
55–60	0.085410	82,428	395,318	20.54	0.084009	80,949	388,494	20.61
60–65	0.116420	75,388	355,744	17.21	0.114995	74,148	350,150	17.26
65–70	0.164501	66,611	306,551	14.14	0.163144	65,622	302,212	14.17
70–75	0.231065	55,654	246,694	11.41	0.230146	54,916	243,547	11.43
75–80	0.316102	42,794	180,053	9.08	0.315512	42,277	177,941	9.09
80–85	0.419506	29,267	114,724	7.12	0.419335	28,938	113,449	7.13
85–90	0.538546	16,989	60,536	5.52	0.538324	16,803	59,884	5.52
90–95	0.663475	7,840	24,666	4.24	0.663446	7,758	24,409	4.24
95–100	0.780219	2,638	7,103	3.24	0.780370	2,611	7,028	3.24
100 and over	1.000000	580	1,437	2.48	1.000000	573	1,419	2.48

Table 6. Abridged life tables for all causes of death combined and eliminating specified causes, for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table06.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Drug-induced causes (F11.0–F11.5,F11.7–F11.9, F12.0–F12.5,F12.7–F12.9,F13.0–F13.5,F13.7–F13.9, F14.0–F14.5,F14.7–F14.9,F15.0–F15.5,F15.7–F15.9, F16.0–F16.5,F16.7–F16.9,F17.0,F17.3–F17.5,F17.7–F17.9, F18.0–F18.5,F18.7–F18.9,F19.0–F19.5,F19.7–F19.9, X40–X44,X60–X64,X85,Y10–Y14)				Injury by firearms (*U01.4, W32–W34,X72–X74,X93–X95,Y22–Y24,Y35.0)			
0–1	0.015611	100,000	98,731	68.42	0.015621	100,000	98,730	69.11
1–5	0.002196	98,439	393,228	68.50	0.002176	98,438	393,229	69.20
5–10	0.001283	98,223	490,775	64.65	0.001241	98,224	490,791	65.35
10–15	0.001656	98,097	490,187	59.73	0.001491	98,102	490,242	60.43
15–20	0.006643	97,934	488,275	54.82	0.003522	97,956	489,037	55.51
20–25	0.011791	97,284	483,657	50.17	0.005935	97,611	486,658	50.70
25–30	0.011603	96,137	477,887	45.74	0.007528	97,031	483,325	45.99
30–35	0.012991	95,021	472,118	41.25	0.010860	96,301	478,972	41.32
35–40	0.016979	93,787	465,172	36.76	0.016204	95,255	472,629	36.74
40–45	0.025585	92,194	455,468	32.35	0.025912	93,712	462,891	32.30
45–50	0.040257	89,836	440,652	28.12	0.041232	91,283	447,542	28.09
50–55	0.058252	86,219	419,126	24.19	0.058991	87,519	425,293	24.19
55–60	0.085404	81,197	389,413	20.53	0.085458	82,357	394,965	20.54
60–65	0.116500	74,262	350,417	17.20	0.116433	75,319	355,414	17.21
65–70	0.164835	65,611	301,892	14.13	0.164553	66,549	306,255	14.14
70–75	0.231341	54,796	242,853	11.41	0.230869	55,598	246,474	11.42
75–80	0.316351	42,119	177,187	9.07	0.315959	42,762	179,934	9.08
80–85	0.419779	28,795	112,853	7.12	0.419319	29,251	114,676	7.12
85–90	0.538546	16,707	59,532	5.52	0.538449	16,986	60,528	5.52
90–95	0.663590	7,710	24,255	4.24	0.663446	7,840	24,667	4.24
95–100	0.780144	2,594	6,983	3.24	0.780295	2,638	7,103	3.24
100 and over	1.000000	570	1,413	2.48	1.000000	580	1,435	2.48

Table 7. Abridged life tables for all causes of death combined and eliminating specified causes, for black females: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table07.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Eliminating no cause				Septicemia (A40–A41)			
0–1	0.012766	100,000	98,965	75.16	0.012595	100,000	98,979	75.45
1–5	0.001761	98,723	394,474	75.13	0.001729	98,741	394,550	75.41
5–10	0.000954	98,550	492,496	71.26	0.000946	98,570	492,599	71.54
10–15	0.001031	98,456	492,050	66.32	0.001020	98,476	492,157	66.60
15–20	0.002169	98,354	491,292	61.39	0.002149	98,376	491,406	61.67
20–25	0.003628	98,141	489,864	56.52	0.003591	98,165	489,992	56.79
25–30	0.004814	97,785	487,804	51.71	0.004754	97,812	487,955	51.99
30–35	0.007013	97,314	484,980	46.95	0.006906	97,347	485,170	47.22
35–40	0.010795	96,632	480,732	42.26	0.010613	96,675	480,989	42.53
40–45	0.016841	95,588	474,166	37.69	0.016574	95,649	474,526	37.96
45–50	0.024454	93,979	464,452	33.29	0.023980	94,064	464,978	33.56
50–55	0.034504	91,680	450,902	29.06	0.033824	91,808	451,677	29.32
55–60	0.050537	88,517	432,022	25.01	0.049483	88,703	433,148	25.25
60–65	0.072609	84,044	405,715	21.20	0.071041	84,313	407,331	21.43
65–70	0.104743	77,941	370,123	17.65	0.102475	78,324	372,364	17.87
70–75	0.149284	69,778	323,868	14.41	0.145942	70,298	326,845	14.61
75–80	0.217449	59,361	265,422	11.49	0.212457	60,038	269,178	11.66
80–85	0.309990	46,453	196,504	8.96	0.303234	47,283	200,807	9.11
85–90	0.427618	32,053	125,171	6.86	0.418800	32,945	129,398	6.99
90–95	0.564558	18,347	64,058	5.16	0.554960	19,148	67,346	5.26
95–100	0.705730	7,989	24,002	3.84	0.695768	8,521	25,842	3.92
100 and over	1.000000	2,351	6,685	2.84	1.000000	2,592	7,561	2.92
	Human immunodeficiency virus (HIV) disease (B20–B24)				Malignant neoplasms (C00–C97)			
0–1	0.012758	100,000	98,966	75.48	0.012747	100,000	98,967	78.32
1–5	0.001746	98,724	394,481	75.45	0.001678	98,725	394,502	78.33
5–10	0.000934	98,552	492,513	71.58	0.000846	98,560	492,575	74.46
10–15	0.001010	98,460	492,076	66.64	0.000916	98,476	492,180	69.52
15–20	0.002125	98,360	491,333	61.71	0.002005	98,386	491,489	64.58
20–25	0.003399	98,151	489,970	56.83	0.003380	98,189	490,162	59.71
25–30	0.004169	97,818	488,119	52.02	0.004374	97,857	488,268	54.90
30–35	0.005760	97,410	485,743	47.22	0.006087	97,429	485,764	50.13
35–40	0.009253	96,849	482,161	42.48	0.008796	96,836	482,199	45.42
40–45	0.015096	95,953	476,366	37.85	0.012996	95,984	476,995	40.80
45–50	0.023040	94,504	467,366	33.39	0.017792	94,737	469,694	36.30
50–55	0.033513	92,327	454,298	29.12	0.023970	93,051	459,968	31.91
55–60	0.049964	89,233	435,635	25.04	0.034351	90,821	446,737	27.63
60–65	0.072149	84,774	409,334	21.22	0.050071	87,701	428,068	23.52
65–70	0.104409	78,658	373,588	17.66	0.074624	83,310	401,635	19.62
70–75	0.149104	70,445	326,997	14.42	0.111497	77,093	364,818	16.00
75–80	0.217340	59,942	268,034	11.49	0.173708	68,497	313,557	12.68
80–85	0.309954	46,914	198,458	8.96	0.263440	56,599	245,965	9.80
85–90	0.427611	32,373	126,420	6.86	0.384162	41,688	167,437	7.41
90–95	0.564535	18,530	64,699	5.16	0.526904	25,673	92,223	5.51
95–100	0.705681	8,069	24,244	3.84	0.678339	12,146	37,432	4.04
100 and over	1.000000	2,375	6,753	2.84	1.000000	3,907	11,691	2.99

See footnote at end of table.

Table 7. Abridged life tables for all causes of death combined and eliminating specified causes, for black females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table07.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasms of colon, rectum and anus (C18–C21)				Malignant neoplasm of pancreas (C25)			
0–1	0.012765	100,000	98,965	75.49	0.012765	100,000	98,965	75.33
1–5	0.001761	98,723	394,474	75.46	0.001761	98,723	394,474	75.30
5–10	0.000954	98,550	492,497	71.59	0.000954	98,550	492,497	71.43
10–15	0.001031	98,456	492,051	66.66	0.001031	98,456	492,051	66.49
15–20	0.002165	98,354	491,293	61.72	0.002169	98,354	491,293	61.56
20–25	0.003622	98,141	489,868	56.85	0.003627	98,141	489,865	56.69
25–30	0.004788	97,786	487,815	52.05	0.004809	97,785	487,806	51.88
30–35	0.006948	97,317	485,012	47.29	0.007001	97,315	484,986	47.12
35–40	0.010639	96,641	480,816	42.60	0.010757	96,633	480,749	42.44
40–45	0.016551	95,613	474,354	38.03	0.016732	95,594	474,217	37.87
45–50	0.023814	94,031	464,852	33.62	0.024226	93,994	464,581	33.47
50–55	0.033442	91,791	451,679	29.38	0.034038	91,717	451,184	29.23
55–60	0.048939	88,722	433,355	25.31	0.049685	88,595	432,582	25.17
60–65	0.070163	84,380	407,827	21.47	0.071354	84,193	406,689	21.35
65–70	0.101452	78,459	373,202	17.89	0.102792	78,186	371,650	17.79
70–75	0.144795	70,500	327,979	14.62	0.146541	70,149	326,054	14.53
75–80	0.211656	60,292	270,432	11.66	0.214143	59,869	268,176	11.57
80–85	0.302912	47,530	201,898	9.10	0.306331	47,049	199,452	9.03
85–90	0.420288	33,133	130,010	6.96	0.424118	32,636	127,741	6.90
90–95	0.557346	19,208	67,435	5.23	0.561378	18,795	65,782	5.19
95–100	0.699982	8,502	25,683	3.88	0.703990	8,244	24,808	3.85
100 and over	1.000000	2,551	7,332	2.87	1.000000	2,440	6,970	2.86
	Malignant neoplasms of trachea, bronchus and lung (C33–C34)				Malignant neoplasm of breast (C50)			
0–1	0.012766	100,000	98,965	75.76	0.012766	100,000	98,965	75.73
1–5	0.001761	98,723	394,474	75.73	0.001760	98,723	394,474	75.71
5–10	0.000954	98,550	492,496	71.87	0.000954	98,550	492,497	71.84
10–15	0.001031	98,456	492,050	66.93	0.001031	98,456	492,051	66.91
15–20	0.002166	98,354	491,293	62.00	0.002168	98,354	491,293	61.97
20–25	0.003621	98,141	489,867	57.13	0.003612	98,141	489,869	57.10
25–30	0.004808	97,786	487,810	52.32	0.004728	97,786	487,833	52.30
30–35	0.006979	97,315	484,995	47.56	0.006655	97,324	485,112	47.53
35–40	0.010603	96,636	480,799	42.88	0.010058	96,676	481,121	42.83
40–45	0.016303	95,612	474,402	38.31	0.015478	95,704	475,046	38.24
45–50	0.023299	94,053	465,076	33.90	0.022298	94,223	466,140	33.80
50–55	0.032472	91,862	452,235	29.65	0.031491	92,122	453,731	29.51
55–60	0.046958	88,879	434,538	25.55	0.046744	89,221	436,256	25.39
60–65	0.067078	84,705	410,021	21.68	0.068678	85,050	411,369	21.50
65–70	0.097135	79,023	376,702	18.05	0.100399	79,209	376,969	17.89
70–75	0.140043	71,347	332,737	14.72	0.144515	71,257	331,549	14.60
75–80	0.207749	61,356	275,787	11.69	0.212047	60,959	273,368	11.63
80–85	0.302100	48,609	206,577	9.08	0.304330	48,033	203,863	9.07
85–90	0.421724	33,924	132,990	6.92	0.421913	33,415	130,978	6.93
90–95	0.560838	19,618	68,691	5.20	0.559261	19,317	67,719	5.21
95–100	0.703252	8,615	25,944	3.86	0.701300	8,514	25,685	3.87
100 and over	1.000000	2,557	7,296	2.85	1.000000	2,543	7,302	2.87

See footnote at end of table.

Table 7. Abridged life tables for all causes of death combined and eliminating specified causes, for black females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table07.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Malignant neoplasm of prostate (C61)				Diabetes mellitus (E10–E14)			
0–1	. . .	. . .	. . .	. . .	0.012766	100,000	98,965	75.83
1–5	. . .	. . .	. . .	. . .	0.001760	98,723	394,474	75.81
5–10	. . .	. . .	. . .	. . .	0.000949	98,550	492,498	71.94
10–15	. . .	. . .	. . .	. . .	0.001018	98,456	492,056	67.01
15–20	. . .	. . .	. . .	. . .	0.002141	98,356	491,307	62.07
20–25	. . .	. . .	. . .	. . .	0.003562	98,145	489,902	57.20
25–30	. . .	. . .	. . .	. . .	0.004696	97,796	487,886	52.39
30–35	. . .	. . .	. . .	. . .	0.006848	97,336	485,129	47.63
35–40	. . .	. . .	. . .	. . .	0.010533	96,670	480,982	42.94
40–45	. . .	. . .	. . .	. . .	0.016376	95,652	474,584	38.37
45–50	. . .	. . .	. . .	. . .	0.023567	94,085	465,177	33.96
50–55	. . .	. . .	. . .	. . .	0.032683	91,868	452,221	29.72
55–60	. . .	. . .	. . .	. . .	0.047414	88,866	434,378	25.63
60–65	. . .	. . .	. . .	. . .	0.067841	84,652	409,611	21.78
65–70	. . .	. . .	. . .	. . .	0.097640	78,909	376,063	18.17
70–75	. . .	. . .	. . .	. . .	0.139460	71,204	332,171	14.86
75–80	. . .	. . .	. . .	. . .	0.205011	61,274	275,830	11.84
80–85	. . .	. . .	. . .	. . .	0.295251	48,712	207,845	9.24
85–90	. . .	. . .	. . .	. . .	0.412530	34,330	135,389	7.05
90–95	. . .	. . .	. . .	. . .	0.550844	20,168	71,156	5.29
95–100	. . .	. . .	. . .	. . .	0.695541	9,058	27,476	3.92
100 and over	. . .	. . .	. . .	. . .	1.000000	2,758	8,038	2.91
	Alzheimer's disease (G30)				Major cardiovascular diseases (I00–I78)			
0–1	0.012766	100,000	98,965	75.27	0.012486	100,000	98,988	81.96
1–5	0.001761	98,723	394,474	75.24	0.001646	98,751	394,613	81.99
5–10	0.000954	98,550	492,496	71.37	0.000902	98,589	492,706	78.13
10–15	0.001031	98,456	492,050	66.44	0.000946	98,500	492,290	73.20
15–20	0.002169	98,354	491,292	61.51	0.001998	98,407	491,593	68.26
20–25	0.003628	98,141	489,864	56.63	0.003248	98,210	490,298	63.39
25–30	0.004814	97,785	487,804	51.83	0.004207	97,891	488,476	58.59
30–35	0.007013	97,314	484,980	47.07	0.005902	97,479	486,056	53.83
35–40	0.010795	96,632	480,732	42.38	0.008765	96,904	482,545	49.13
40–45	0.016840	95,588	474,166	37.81	0.012710	96,055	477,410	44.54
45–50	0.024448	93,979	464,454	33.42	0.017582	94,834	470,221	40.08
50–55	0.034499	91,681	450,906	29.19	0.023740	93,166	460,588	35.75
55–60	0.050522	88,518	432,030	25.14	0.033521	90,955	447,573	31.56
60–65	0.072532	84,046	405,741	21.33	0.046551	87,906	429,803	27.56
65–70	0.104429	77,950	370,222	17.80	0.065381	83,814	405,923	23.78
70–75	0.148278	69,810	324,186	14.57	0.090627	78,334	374,618	20.26
75–80	0.214377	59,459	266,302	11.65	0.124896	71,235	334,543	17.02
80–85	0.303597	46,712	198,341	9.13	0.174375	62,338	284,694	14.08
85–90	0.417299	32,530	127,895	7.02	0.234856	51,468	226,389	11.52
90–95	0.551887	18,955	66,826	5.30	0.319018	39,380	163,334	9.31
95–100	0.691416	8,494	25,864	3.95	0.416474	26,817	102,504	7.58
100 and over	1.000000	2,621	7,705	2.94	1.000000	15,649	100,897	6.45

See footnote at end of table.

Table 7. Abridged life tables for all causes of death combined and eliminating specified causes, for black females: United States, 1999–2001—Con.

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[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Diseases of heart (I00–I09,I11,I13,I20–I51)				Hypertensive heart disease (I11)			
0–1	0.012538	100,000	98,984	79.45	0.012766	100,000	98,965	75.43
1–5	0.001673	98,746	394,586	79.46	0.001760	98,723	394,474	75.41
5–10	0.000912	98,581	492,664	75.59	0.000953	98,550	492,497	71.54
10–15	0.000969	98,491	492,242	70.66	0.001031	98,456	492,051	66.60
15–20	0.002034	98,396	491,530	65.72	0.002165	98,354	491,294	61.67
20–25	0.003329	98,196	490,207	60.85	0.003615	98,141	489,870	56.80
25–30	0.004330	97,869	488,336	56.04	0.004770	97,786	487,823	51.99
30–35	0.006182	97,445	485,821	51.28	0.006898	97,320	485,036	47.23
35–40	0.009340	96,843	482,109	46.58	0.010584	96,649	480,865	42.54
40–45	0.013939	95,938	476,553	41.99	0.016450	95,626	474,439	37.97
45–50	0.019576	94,601	468,619	37.55	0.023772	94,053	464,970	33.56
50–55	0.026659	92,749	457,882	33.25	0.033563	91,817	451,778	29.31
55–60	0.037745	90,276	443,335	29.08	0.049154	88,735	433,376	25.24
60–65	0.053070	86,869	423,387	25.12	0.071010	84,374	407,628	21.40
65–70	0.075110	82,259	396,472	21.38	0.102723	78,382	372,596	17.84
70–75	0.106209	76,080	360,993	17.91	0.146277	70,331	326,942	14.58
75–80	0.151492	68,000	314,954	14.73	0.213309	60,043	269,075	11.64
80–85	0.215935	57,698	257,551	11.90	0.304324	47,235	200,477	9.10
85–90	0.296983	45,239	191,797	9.48	0.420119	32,860	128,955	6.97
90–95	0.401776	31,804	124,878	7.46	0.555434	19,055	66,997	5.26
95–100	0.516065	19,026	67,366	5.90	0.695741	8,471	25,690	3.92
100 and over	1.000000	9,207	44,864	4.87	1.000000	2,577	7,542	2.93
	Ischemic heart diseases (I20–I25)				Acute myocardial infarction (I21–I22)			
0–1	0.012755	100,000	98,966	77.64	0.012762	100,000	98,965	76.02
1–5	0.001758	98,724	394,479	77.64	0.001761	98,724	394,476	76.00
5–10	0.000952	98,551	492,504	73.77	0.000953	98,550	492,498	72.13
10–15	0.001027	98,457	492,059	68.84	0.001028	98,456	492,053	67.19
15–20	0.002160	98,356	491,304	63.91	0.002164	98,355	491,297	62.26
20–25	0.003582	98,144	489,889	59.04	0.003606	98,142	489,875	57.39
25–30	0.004747	97,792	487,857	54.24	0.004782	97,788	487,828	52.59
30–35	0.006823	97,328	485,092	49.49	0.006930	97,320	485,031	47.83
35–40	0.010330	96,664	480,997	44.81	0.010615	96,646	480,845	43.14
40–45	0.015644	95,665	474,816	40.25	0.016331	95,620	474,438	38.58
45–50	0.022078	94,169	465,921	35.85	0.023457	94,059	465,070	34.17
50–55	0.030090	92,090	453,878	31.60	0.032623	91,852	452,157	29.93
55–60	0.042819	89,319	437,562	27.50	0.047455	88,856	434,322	25.85
60–65	0.059725	85,494	415,335	23.61	0.067409	84,639	409,635	22.01
65–70	0.084665	80,388	385,613	19.94	0.096841	78,934	376,331	18.41
70–75	0.120152	73,582	346,674	16.55	0.137794	71,290	332,854	15.10
75–80	0.172452	64,741	296,560	13.45	0.200462	61,466	277,374	12.10
80–85	0.245794	53,576	235,178	10.72	0.286478	49,145	210,760	9.49
85–90	0.340672	40,408	166,792	8.39	0.397851	35,066	139,609	7.29
90–95	0.459306	26,642	100,514	6.47	0.532074	21,115	75,557	5.50
95–100	0.586247	14,405	48,146	4.99	0.673926	9,880	30,573	4.10
100 and over	1.000000	5,960	23,768	3.99	1.000000	3,222	9,983	3.10

See footnote at end of table.

Table 7. Abridged life tables for all causes of death combined and eliminating specified causes, for black females: United States, 1999–2001—Con.

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		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x	Probability of dying between ages x and x + n	Number surviving to age x	Person-years lived between ages x and x + n	Expectation of life at age x
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Other heart diseases (I26–I51)				Heart failure (I50)			
0–1	0.012549	100,000	98,983	76.10	0.012760	100,000	98,966	75.38
1–5	0.001678	98,745	394,581	76.07	0.001756	98,724	394,478	75.35
5–10	0.000916	98,579	492,656	72.19	0.000951	98,551	492,502	71.48
10–15	0.000975	98,489	492,231	67.26	0.001029	98,457	492,057	66.55
15–20	0.002050	98,393	491,514	62.32	0.002160	98,356	491,302	61.61
20–25	0.003396	98,191	490,171	57.44	0.003615	98,143	489,879	56.74
25–30	0.004459	97,858	488,252	52.63	0.004796	97,788	487,826	51.94
30–35	0.006520	97,422	485,629	47.85	0.006989	97,319	485,012	47.17
35–40	0.010074	96,787	481,665	43.15	0.010754	96,639	480,779	42.49
40–45	0.015636	95,811	475,544	38.56	0.016729	95,600	474,248	37.92
45–50	0.022757	94,313	466,485	34.13	0.024279	94,001	464,600	33.52
50–55	0.032203	92,167	453,798	29.87	0.034177	91,718	451,160	29.29
55–60	0.047191	89,199	436,055	25.77	0.049886	88,584	432,483	25.23
60–65	0.068022	84,990	411,208	21.92	0.071656	84,165	406,489	21.42
65–70	0.097970	79,208	377,427	18.33	0.103126	78,134	371,339	17.87
70–75	0.139585	71,448	333,287	15.04	0.146529	70,076	325,717	14.63
75–80	0.202851	61,475	277,057	12.05	0.212893	59,808	268,083	11.69
80–85	0.289856	49,005	209,750	9.47	0.302751	47,075	199,983	9.16
85–90	0.399278	34,801	138,426	7.30	0.416377	32,823	129,123	7.04
90–95	0.529753	20,905	74,937	5.54	0.549678	19,156	67,647	5.33
95–100	0.668797	9,831	30,562	4.15	0.687837	8,627	26,354	3.98
100 and over	1.000000	3,256	10,256	3.15	1.000000	2,693	8,011	2.97
	Essential (primary) hypertension and hypertensive renal disease (I10,I12)				Cerebrovascular diseases (I60–I69)			
0–1	0.012766	100,000	98,965	75.35	0.012717	100,000	98,969	76.10
1–5	0.001761	98,723	394,474	75.32	0.001735	98,728	394,500	76.08
5–10	0.000953	98,550	492,496	71.45	0.000946	98,557	492,536	72.21
10–15	0.001031	98,456	492,050	66.51	0.001011	98,464	492,096	67.27
15–20	0.002163	98,354	491,294	61.58	0.002141	98,364	491,349	62.34
20–25	0.003620	98,141	489,869	56.71	0.003568	98,154	489,942	57.47
25–30	0.004795	97,786	487,815	51.90	0.004728	97,803	487,917	52.66
30–35	0.006957	97,317	485,009	47.14	0.006816	97,341	485,159	47.90
35–40	0.010708	96,640	480,795	42.45	0.010358	96,677	481,059	43.21
40–45	0.016676	95,605	474,288	37.88	0.015902	95,676	474,812	38.63
45–50	0.024182	94,011	464,673	33.48	0.022916	94,155	465,665	34.22
50–55	0.034028	91,738	451,287	29.24	0.032332	91,997	452,933	29.96
55–60	0.049826	88,616	432,654	25.18	0.047576	89,023	435,112	25.87
60–65	0.071471	84,201	406,701	21.36	0.068155	84,787	410,202	22.03
65–70	0.103114	78,183	371,575	17.81	0.098148	79,009	376,441	18.45
70–75	0.146992	70,121	325,848	14.55	0.138631	71,254	332,544	15.17
75–80	0.213825	59,814	267,974	11.62	0.199920	61,376	277,047	12.20
80–85	0.305077	47,024	199,494	9.08	0.283401	49,106	210,968	9.60
85–90	0.421122	32,678	128,156	6.96	0.390821	35,189	140,733	7.41
90–95	0.557038	18,917	66,429	5.24	0.522337	21,436	77,265	5.59
95–100	0.698083	8,379	25,356	3.90	0.665343	10,239	31,933	4.17
100 and over	1.000000	2,530	7,346	2.90	1.000000	3,427	10,724	3.13

See footnote at end of table.

Table 7. Abridged life tables for all causes of death combined and eliminating specified causes, for black females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table07.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Influenza and pneumonia (J10–J18)				Chronic lower respiratory diseases (J40–J47)			
0–1	0.012594	100,000	98,979	75.40	0.012740	100,000	98,967	75.48
1–5	0.001719	98,741	394,553	75.36	0.001741	98,726	394,489	75.45
5–10	0.000943	98,571	492,606	71.48	0.000930	98,554	492,525	71.58
10–15	0.001023	98,478	492,164	66.55	0.000986	98,462	492,095	66.64
15–20	0.002146	98,377	491,413	61.61	0.002132	98,365	491,357	61.70
20–25	0.003570	98,166	490,004	56.74	0.003569	98,156	489,952	56.83
25–30	0.004757	97,816	487,972	51.93	0.004726	97,805	487,928	52.02
30–35	0.006932	97,350	485,180	47.17	0.006895	97,343	485,152	47.26
35–40	0.010638	96,676	480,986	42.48	0.010612	96,672	480,974	42.57
40–45	0.016610	95,647	474,509	37.91	0.016555	95,646	474,517	37.99
45–50	0.024137	94,058	464,917	33.50	0.023953	94,063	464,980	33.59
50–55	0.034153	91,788	451,508	29.27	0.033740	91,810	451,704	29.35
55–60	0.049987	88,653	432,802	25.21	0.049170	88,712	433,259	25.28
60–65	0.071727	84,222	406,751	21.40	0.070642	84,350	407,588	21.45
65–70	0.103542	78,181	371,485	17.85	0.101632	78,391	372,845	17.88
70–75	0.147074	70,086	325,670	14.61	0.144855	70,424	327,619	14.61
75–80	0.213688	59,778	267,833	11.68	0.211682	60,223	270,120	11.65
80–85	0.303234	47,004	199,624	9.15	0.303318	47,475	201,614	9.09
85–90	0.416919	32,751	128,793	7.04	0.420765	33,075	129,742	6.95
90–95	0.549158	19,096	67,462	5.34	0.557879	19,158	67,234	5.22
95–100	0.688120	8,609	26,295	4.00	0.700853	8,470	25,565	3.88
100 and over	1.000000	2,685	8,133	3.03	1.000000	2,534	7,287	2.88
	Pneumonitis due to solids and liquids (J69)				Chronic liver disease and cirrhosis (K70,K73–K74)			
0–1	0.012761	100,000	98,965	75.21	0.012766	100,000	98,965	75.27
1–5	0.001756	98,724	394,477	75.18	0.001759	98,723	394,475	75.24
5–10	0.000953	98,551	492,501	71.31	0.000954	98,550	492,497	71.37
10–15	0.001028	98,457	492,056	66.38	0.001031	98,456	492,051	66.43
15–20	0.002166	98,355	491,299	61.44	0.002162	98,354	491,295	61.50
20–25	0.003617	98,142	489,875	56.57	0.003611	98,142	489,872	56.63
25–30	0.004804	97,787	487,820	51.77	0.004781	97,787	487,824	51.82
30–35	0.006998	97,318	485,001	47.00	0.006956	97,320	485,022	47.06
35–40	0.010774	96,637	480,762	42.32	0.010641	96,643	480,823	42.37
40–45	0.016809	95,595	474,208	37.75	0.016477	95,614	474,377	37.80
45–50	0.024398	93,988	464,514	33.35	0.023854	94,039	464,884	33.39
50–55	0.034433	91,695	450,991	29.12	0.033874	91,796	451,606	29.14
55–60	0.050420	88,538	432,148	25.06	0.049808	88,686	433,000	25.07
60–65	0.072428	84,074	405,897	21.25	0.071826	84,269	406,959	21.24
65–70	0.104449	77,985	370,383	17.71	0.103985	78,216	371,570	17.68
70–75	0.148639	69,839	324,262	14.47	0.148594	70,083	325,401	14.43
75–80	0.216400	59,458	266,009	11.54	0.216804	59,669	266,892	11.50
80–85	0.307902	46,592	197,332	9.02	0.309418	46,732	197,753	8.97
85–90	0.424612	32,246	126,172	6.91	0.427223	32,273	126,061	6.87
90–95	0.560285	18,554	64,994	5.21	0.564278	18,485	64,555	5.17
95–100	0.701101	8,158	24,618	3.88	0.705608	8,054	24,201	3.84
100 and over	1.000000	2,439	7,020	2.88	1.000000	2,371	6,742	2.84

See footnote at end of table.

Table 7. Abridged life tables for all causes of death combined and eliminating specified causes, for black females: United States, 1999–2001—Con.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)				Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)			
0–1	0.012672	100,000	98,973	75.50	0.011088	100,000	99,101	75.34
1–5	0.001758	98,733	394,513	75.47	0.001570	98,891	395,190	75.18
5–10	0.000947	98,559	492,547	71.60	0.000898	98,736	493,442	71.29
10–15	0.001024	98,466	492,104	66.67	0.000955	98,647	493,025	66.36
15–20	0.002153	98,365	491,351	61.73	0.002111	98,553	492,298	61.42
20–25	0.003592	98,153	489,935	56.86	0.003566	98,345	490,898	56.54
25–30	0.004753	97,801	487,898	52.06	0.004753	97,994	488,864	51.73
30–35	0.006907	97,336	485,113	47.29	0.006962	97,529	486,061	46.97
35–40	0.010606	96,664	480,934	42.60	0.010719	96,850	481,834	42.28
40–45	0.016559	95,638	474,478	38.03	0.016787	95,811	475,285	37.71
45–50	0.024020	94,055	464,925	33.63	0.024377	94,203	465,578	33.31
50–55	0.033692	91,796	451,645	29.39	0.034438	91,907	452,029	29.07
55–60	0.049159	88,703	433,217	25.32	0.050433	88,742	433,139	25.02
60–65	0.070420	84,342	407,595	21.49	0.072502	84,266	406,809	21.20
65–70	0.101220	78,403	372,977	17.92	0.104649	78,157	371,162	17.66
70–75	0.144541	70,467	327,870	14.65	0.149164	69,978	324,816	14.42
75–80	0.211492	60,282	270,411	11.68	0.217336	59,539	266,236	11.49
80–85	0.302106	47,532	202,001	9.13	0.309882	46,599	197,136	8.97
85–90	0.418350	33,173	130,331	6.99	0.427507	32,159	125,594	6.86
90–95	0.554090	19,295	67,909	5.27	0.564430	18,411	64,289	5.17
95–100	0.695996	8,604	26,086	3.92	0.705535	8,019	24,097	3.84
100 and over	1.000000	2,616	7,628	2.92	1.000000	2,361	6,716	2.84
	Accidents (unintentional injuries) (V01–X59,Y85–Y86)				Motor vehicle accidents (V02–V04,V09.0, V09.2,V12–V14,V19.0–V19.2,V19.4–V19.6,V20–V79, V80.3–V80.5,V81.0–V81.1,V82.0–V82.1,V83–V86, V87.0–V87.8,V88.0–V88.8,V89.0,V89.2)			
0–1	0.012376	100,000	98,997	75.67	0.012704	100,000	98,970	75.40
1–5	0.001236	98,762	394,755	75.61	0.001559	98,730	394,547	75.36
5–10	0.000593	98,640	493,045	71.71	0.000758	98,576	492,679	71.48
10–15	0.000742	98,582	492,746	66.75	0.000871	98,501	492,313	66.53
15–20	0.001523	98,509	492,208	61.79	0.001640	98,415	491,714	61.59
20–25	0.002826	98,359	491,138	56.88	0.002976	98,254	490,580	56.68
25–30	0.004119	98,081	489,443	52.04	0.004340	97,961	488,796	51.85
30–35	0.006232	97,677	486,966	47.24	0.006596	97,536	486,183	47.06
35–40	0.009834	97,068	483,121	42.52	0.010336	96,893	482,136	42.35
40–45	0.015727	96,114	477,022	37.92	0.016410	95,892	475,767	37.77
45–50	0.023331	94,602	467,785	33.48	0.024012	94,318	466,228	33.35
50–55	0.033458	92,395	454,645	29.22	0.034061	92,053	452,832	29.11
55–60	0.049601	89,303	436,057	25.14	0.050125	88,918	434,064	25.04
60–65	0.071531	84,874	409,940	21.31	0.072235	84,461	407,803	21.23
65–70	0.103488	78,803	374,451	17.75	0.104298	78,360	372,193	17.67
70–75	0.147476	70,648	328,213	14.50	0.148711	70,187	325,865	14.43
75–80	0.215240	60,229	269,626	11.56	0.217004	59,749	267,223	11.50
80–85	0.307012	47,265	200,290	9.03	0.309500	46,784	197,959	8.97
85–90	0.423992	32,754	128,213	6.91	0.427258	32,304	126,181	6.86
90–95	0.560366	18,867	66,086	5.21	0.564290	18,502	64,614	5.17
95–100	0.701794	8,294	25,012	3.87	0.705657	8,061	24,222	3.84
100 and over	1.000000	2,473	7,111	2.87	1.000000	2,373	6,747	2.84

See footnote at end of table.

Table 7. Abridged life tables for all causes of death combined and eliminating specified causes, for black females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table07.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x	Probability of dying between ages x and x + n	Of 100,000 born alive		Expectation of life at age x
		Number surviving to age x	Person-years lived between ages x and x + n			Number surviving to age x	Person-years lived between ages x and x + n	
x to x + n	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	All other accidents (V01,V05–V06,V09.1,V09.3,V09.9, V10–V11,V15–V18,V19.3,V19.8–V19.9,V80.0–V80.2, V80.6–V80.9,V81.2–V81.9,V82.2–V82.9,V87.9,V88.9, V89.1,V89.3–V89.9,V90–V99,W00–X59,Y85–Y86)				Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)			
0–1	0.012438	100,000	98,992	75.43	0.012766	100,000	98,965	75.20
1–5	0.001438	98,756	394,682	75.38	0.001761	98,723	394,474	75.17
5–10	0.000789	98,614	492,862	71.48	0.000954	98,550	492,496	71.30
10–15	0.000902	98,536	492,482	66.54	0.001009	98,456	492,055	66.37
15–20	0.002051	98,448	491,785	61.59	0.002097	98,356	491,318	61.43
20–25	0.003479	98,246	490,422	56.72	0.003520	98,150	489,935	56.55
25–30	0.004592	97,904	488,450	51.90	0.004693	97,804	487,930	51.75
30–35	0.006649	97,454	485,761	47.13	0.006893	97,345	485,164	46.98
35–40	0.010294	96,806	481,714	42.43	0.010686	96,674	480,970	42.28
40–45	0.016158	95,810	475,417	37.84	0.016680	95,641	474,465	37.71
45–50	0.023773	94,262	466,003	33.42	0.024323	94,046	464,815	33.31
50–55	0.033901	92,021	452,707	29.17	0.034390	91,759	451,311	29.07
55–60	0.050013	88,901	434,006	25.10	0.050448	88,603	432,460	25.01
60–65	0.071905	84,455	407,841	21.28	0.072543	84,133	406,160	21.20
65–70	0.103933	78,382	372,368	17.73	0.104672	78,030	370,556	17.66
70–75	0.148050	70,236	326,202	14.48	0.149230	69,862	324,270	14.41
75–80	0.215686	59,837	267,808	11.55	0.217396	59,437	265,768	11.49
80–85	0.307504	46,931	198,817	9.02	0.309918	46,515	196,777	8.97
85–90	0.424354	32,500	127,187	6.91	0.427583	32,099	125,355	6.86
90–95	0.560637	18,708	65,517	5.20	0.564535	18,374	64,156	5.16
95–100	0.701869	8,220	24,785	3.87	0.705706	8,001	24,040	3.84
100 and over	1.000000	2,451	7,045	2.87	1.000000	2,355	6,696	2.84
	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)				Alcohol-induced causes (F10,G31.2,G62.1,I42.6, K29.2,K70,R78.0,X45,X65,Y15)			
0–1	0.012570	100,000	98,981	75.38	0.012766	100,000	98,965	75.24
1–5	0.001528	98,743	394,608	75.34	0.001760	98,723	394,474	75.21
5–10	0.000891	98,592	492,725	71.45	0.000954	98,550	492,497	71.34
10–15	0.000959	98,504	492,309	66.51	0.001031	98,456	492,051	66.41
15–20	0.001754	98,410	491,661	61.57	0.002166	98,354	491,293	61.47
20–25	0.003006	98,237	490,489	56.67	0.003622	98,141	489,867	56.60
25–30	0.004191	97,942	488,732	51.84	0.004798	97,786	487,812	51.79
30–35	0.006462	97,531	486,188	47.04	0.006938	97,316	485,009	47.03
35–40	0.010166	96,901	482,214	42.33	0.010635	96,641	480,816	42.34
40–45	0.016324	95,916	475,907	37.74	0.016493	95,613	474,368	37.77
45–50	0.024109	94,350	466,366	33.32	0.023933	94,036	464,854	33.36
50–55	0.034267	92,075	452,897	29.08	0.033946	91,786	451,542	29.11
55–60	0.050381	88,920	434,023	25.02	0.050026	88,670	432,876	25.04
60–65	0.072451	84,440	407,662	21.21	0.072080	84,234	406,741	21.22
65–70	0.104614	78,323	371,957	17.66	0.104367	78,163	371,244	17.66
70–75	0.149154	70,129	325,521	14.42	0.149037	70,005	324,965	14.42
75–80	0.217275	59,669	266,824	11.49	0.217223	59,572	266,397	11.49
80–85	0.309804	46,704	197,589	8.97	0.309825	46,631	197,278	8.97
85–90	0.427528	32,235	125,890	6.86	0.427500	32,184	125,691	6.86
90–95	0.564476	18,454	64,436	5.16	0.564500	18,425	64,336	5.16
95–100	0.705681	8,037	24,148	3.84	0.705730	8,024	24,108	3.84
100 and over	1.000000	2,365	6,726	2.84	1.000000	2,361	6,714	2.84

See footnote at end of table.

Table 7. Abridged life tables for all causes of death combined and eliminating specified causes, for black females: United States, 1999–2001—Con.

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		Of 100,000 born alive				Of 100,000 born alive		
Age (years)	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x	Probability of dying between ages x and $x + n$	Number surviving to age x	Person-years lived between ages x and $x + n$	Expectation of life at age x
x to $x + n$	$_nq_x$	l_x	$_nL_x$	e_x	$_nq_x$	l_x	$_nL_x$	e_x
	Drug-induced causes (F11.0–F11.5,F11.7–F11.9, F12.0–F12.5,F12.7–F12.9,F13.0–F13.5,F13.7–F13.9, F14.0–F14.5,F14.7–F14.9,F15.0–F15.5,F15.7–F15.9, F16.0–F16.5,F16.7–F16.9,F17.0,F17.3–F17.5,F17.7–F17.9, F18.0–F18.5,F18.7–F18.9,F19.0–F19.5,F19.7–F19.9, X40–X44,X60–X64,X85,Y10–Y14)				Injury by firearms (*U01.4, W32–W34,X72–X74,X93–X95,Y22–Y24,Y35.0)			
0–1	0.012759	100,000	98,966	75.28	0.012764	100,000	98,965	75.28
1–5	0.001750	98,724	394,480	75.25	0.001729	98,724	394,482	75.25
5–10	0.000949	98,551	492,506	71.38	0.000934	98,553	492,518	71.37
10–15	0.001028	98,458	492,062	66.44	0.000988	98,461	492,086	66.44
15–20	0.002135	98,357	491,312	61.51	0.001863	98,363	491,406	61.50
20–25	0.003552	98,147	489,911	56.63	0.003172	98,180	490,166	56.61
25–30	0.004672	97,798	487,904	51.82	0.004405	97,869	488,318	51.78
30–35	0.006664	97,341	485,195	47.06	0.006688	97,438	485,670	47.00
35–40	0.010261	96,692	481,155	42.35	0.010473	96,786	481,573	42.30
40–45	0.016067	95,700	474,895	37.76	0.016563	95,772	475,141	37.72
45–50	0.023769	94,163	465,515	33.34	0.024254	94,186	465,522	33.31
50–55	0.034021	91,925	452,208	29.09	0.034354	91,902	452,022	29.07
55–60	0.050336	88,797	433,431	25.02	0.050457	88,744	433,148	25.01
60–65	0.072497	84,328	407,107	21.20	0.072530	84,267	406,807	21.20
65–70	0.104657	78,214	371,433	17.66	0.104677	78,155	371,148	17.65
70–75	0.149221	70,028	325,043	14.42	0.149230	69,974	324,787	14.41
75–80	0.217393	59,579	266,403	11.49	0.217385	59,532	266,193	11.49
80–85	0.309907	46,627	197,249	8.97	0.309928	46,590	197,092	8.97
85–90	0.427452	32,177	125,668	6.86	0.427583	32,151	125,555	6.86
90–95	0.564453	18,423	64,329	5.17	0.564558	18,404	64,257	5.16
95–100	0.705608	8,024	24,110	3.84	0.705706	8,014	24,077	3.84
100 and over	1.000000	2,362	6,718	2.84	1.000000	2,358	6,706	2.84

. . . Category not applicable.

Table 8. Number of life table deaths from specified causes during age interval, for the total population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table08.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age *x*	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	723	28	188	1	2	2	0	1
1–5	9,930,523	248	43	1,060	0	2	6	1	0
5–10.	9,917,600	92	58	1,201	0	1	3	0	0
10–15.	9,909,689	76	63	1,242	3	2	3	1	0
15–20.	9,899,801	105	88	1,814	29	2	12	4	0
20–25.	9,866,403	195	428	2,526	87	7	41	24	2
25–30.	9,820,252	258	1,680	3,519	208	31	98	217	3
30–35.	9,775,095	419	4,167	6,115	480	101	330	879	1
35–40.	9,720,086	672	6,114	11,915	1,010	344	1,399	2,077	10
40–45.	9,642,151	1,121	6,706	23,560	1,934	878	4,497	3,907	53
45–50.	9,527,362	1,847	5,899	44,359	3,950	2,008	9,743	6,400	241
50–55.	9,360,142	2,783	4,114	77,443	6,892	4,029	20,272	9,707	749
55–60.	9,123,237	4,281	2,677	131,212	11,530	6,908	41,594	12,647	2,130
60–65.	8,764,226	6,453	1,727	198,969	17,899	10,684	68,075	14,885	5,111
65–70.	8,233,035	9,612	1,046	267,824	24,499	14,564	94,606	16,674	10,281
70–75.	7,489,085	13,678	540	332,678	31,780	18,238	112,980	19,216	17,263
75–80.	6,464,402	19,662	258	368,548	37,973	20,630	111,158	21,154	25,839
80–85.	5,088,466	23,350	81	334,200	38,453	18,858	82,813	20,305	30,773
85–90.	3,451,511	23,250	25	233,736	31,867	12,898	44,352	16,477	26,178
90–95.	1,849,572	15,852	20	113,427	18,636	6,264	15,494	9,874	13,627
95–100	687,945	6,872	11	35,785	6,511	1,888	3,568	4,068	4,170
100 and over	147,917	1,626	3	6,122	1,125	313	529	885	677

Age (years)	Diabetes mellitus (E10–E14)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09,I11, I13,I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)
				Number dying of 10,000,000 born alive					
0–1	7	0	1,563	1,244	1	69	40	1,161	55
1–5	17	0	635	496	1	20	4	472	30
5–10.	19	0	338	258	1	20	9	231	19
10–15.	59	0	533	402	2	27	10	366	20
15–20.	120	0	1,212	991	14	95	44	864	44
20–25.	278	1	2,094	1,632	62	266	106	1,271	39
25–30.	514	1	3,299	2,576	155	640	265	1,730	80
30–35.	940	2	6,154	4,842	383	1,822	767	2,537	99
35–40.	1,525	3	12,045	9,546	725	4,847	1,960	3,799	199
40–45.	2,623	9	23,787	19,014	1,437	11,395	4,847	5,865	400
45–50.	4,657	42	41,603	33,655	2,274	22,508	9,870	8,450	734
50–55.	8,030	126	68,434	56,479	3,180	40,649	17,598	12,087	1,422
55–60.	13,463	483	111,925	92,602	4,348	68,821	30,019	18,464	2,914
60–65.	20,844	1,366	173,273	141,366	5,393	106,966	46,667	27,635	5,386
65–70.	29,206	3,478	252,571	202,096	6,369	153,550	65,208	40,148	9,245
70–75.	37,986	9,877	371,876	288,961	7,982	219,049	88,695	58,993	16,337
75–80.	46,900	25,419	551,300	415,183	11,018	312,073	121,099	87,935	28,260
80–85.	48,482	49,458	729,189	537,741	14,741	395,714	145,938	122,269	44,973
85–90.	38,609	63,722	788,383	577,673	17,254	413,674	143,029	142,099	59,323
90–95.	21,835	54,057	620,067	457,906	15,181	319,988	98,830	119,505	55,849
95–100	8,006	25,434	302,632	227,285	8,329	156,654	42,797	60,912	31,450
100 and over	1,545	5,667	85,627	66,431	2,428	46,073	10,978	17,626	9,516

See footnotes at end of table.

Table 8. Number of life table deaths from specified causes during age interval, for the total population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table08.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age *x*	Essential (primary) hypertension and hypertensive renal disease (I10,I12)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	3	279	755	94	32	9	383	13,912
1–5	9,930,523	4	124	291	125	31	4	38	1,349
5–10	9,917,600	2	72	112	112	14	2	27	473
10–15	9,909,689	3	106	107	196	22	4	33	496
15–20	9,899,801	11	165	167	218	25	18	63	573
20–25	9,866,403	34	325	299	262	62	57	151	587
25–30	9,820,252	65	514	338	313	72	198	218	543
30–35	9,775,095	138	927	507	430	105	770	365	597
35–40	9,720,086	221	1,870	894	686	131	2,337	599	578
40–45	9,642,151	486	3,587	1,323	1,300	243	4,791	977	636
45–50	9,527,362	838	5,966	1,880	2,658	337	7,989	1,607	733
50–55	9,360,142	1,359	8,723	2,539	5,557	529	8,923	2,564	849
55–60	9,123,237	1,973	13,848	3,857	13,793	866	9,780	4,302	1,004
60–65	8,764,226	3,237	22,186	6,273	27,507	1,408	11,093	7,119	1,067
65–70	8,233,035	4,636	34,745	9,849	49,138	2,467	11,344	11,608	970
70–75	7,489,085	6,594	58,994	17,726	76,949	4,832	10,896	16,664	880
75–80	6,464,402	10,280	100,084	31,608	100,455	8,972	9,659	24,123	1,002
80–85	5,088,466	14,091	145,206	51,736	105,577	14,562	6,665	29,663	1,063
85–90	3,451,511	15,640	161,264	64,665	81,890	17,865	3,435	29,579	871
90–95	1,849,572	12,697	122,437	58,841	41,623	14,771	1,153	21,014	504
95–100	687,945	6,581	54,221	32,133	14,326	7,068	225	9,269	236
100 and over	147,917	1,934	12,631	10,956	2,878	1,928	24	2,228	57

Age (years)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Number dying of 10,000,000 born alive					
0–1	2,249	413	1,837	0	843	4	51	27
1–5	4,587	1,625	2,962	0	968	1	56	153
5–10	3,333	1,854	1,478	13	374	0	19	185
10–15	3,846	2,359	1,486	655	537	6	77	722
15–20	16,420	12,793	3,624	3,959	4,832	81	1,109	6,557
20–25	19,138	13,645	5,490	6,077	8,089	171	2,921	10,420
25–30	14,938	9,298	5,639	6,007	6,324	394	3,755	8,230
30–35	14,067	7,567	6,499	6,198	4,836	1,111	5,053	6,435
35–40	15,926	7,490	8,436	6,795	4,115	2,846	7,070	5,859
40–45	17,255	7,280	9,975	7,200	3,506	5,125	8,570	5,444
45–50	16,557	6,841	9,716	7,130	2,773	7,578	7,768	5,071
50–55	14,316	6,353	7,963	6,522	2,093	7,912	4,876	4,717
55–60	13,565	6,421	7,144	6,006	1,683	8,076	2,745	4,540
60–65	13,627	6,069	7,557	4,995	1,288	8,152	1,645	4,041
65–70	14,401	6,005	8,397	4,726	1,094	6,683	1,140	3,917
70–75	17,356	6,448	10,909	4,904	852	4,841	982	4,079
75–80	23,650	7,306	16,345	5,079	737	3,398	1,009	4,141
80–85	29,110	6,557	22,556	4,297	567	1,784	863	3,342
85–90	29,211	4,365	24,852	2,719	325	791	655	2,027
90–95	21,255	1,545	19,716	1,042	135	243	341	682
95–100	9,191	323	8,870	215	47	68	104	136
100 and over	2,357	24	2,333	19	5	13	13	8

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.

[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.

[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 9. Number of life table deaths from specified causes during age interval, for the male population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table09.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age x	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	793	39	190	0	2	3	0	2
1–5	9,923,856	265	49	1,134	0	3	8	0	0
5–10.	9,909,534	99	63	1,260	0	0	5	0	0
10–15.	9,900,817	78	64	1,343	5	0	3	0	0
15–20.	9,889,017	113	87	2,128	30	3	16	0	0
20–25.	9,842,609	221	412	2,917	95	7	49	0	3
25–30.	9,774,714	273	2,037	3,548	227	38	114	3	5
30–35.	9,711,445	435	5,783	5,508	519	114	323	9	2
35–40.	9,638,521	708	9,079	10,152	1,110	413	1,421	32	20
40–45.	9,538,864	1,222	10,047	21,191	2,034	1,025	4,991	36	105
45–50.	9,393,996	2,017	9,249	43,635	4,299	2,528	11,585	66	482
50–55.	9,181,842	3,023	6,664	79,480	7,719	4,975	24,278	160	1,496
55–60.	8,889,700	4,482	4,429	141,773	13,544	8,254	50,556	251	4,276
60–65.	8,455,111	6,733	2,759	221,442	20,849	12,400	83,168	306	10,302
65–70.	7,824,126	10,119	1,666	306,746	28,784	16,355	117,664	413	21,081
70–75.	6,949,057	14,266	891	382,472	36,366	18,890	140,376	521	35,949
75–80.	5,768,832	19,820	425	414,657	40,991	20,352	135,394	546	54,452
80–85.	4,276,925	21,871	129	364,156	37,774	16,910	98,944	427	66,309
85–90.	2,652,697	18,902	40	247,656	27,736	10,143	53,191	364	59,909
90–95.	1,247,268	11,182	13	113,790	14,149	4,167	17,990	157	34,377
95–100	385,503	3,824	17	32,603	4,328	1,055	3,911	81	11,362
100 and over	64,470	661	0	4,876	676	90	503	15	1,886

Age (years)	Diabetes mellitus (E10–E14)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09,I11, I13,I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)
				Number dying of 10,000,000 born alive					
0–1	8	0	1,630	1,256	0	76	42	1,162	70
1–5	13	0	665	547	0	21	7	519	31
5–10.	17	0	357	272	0	27	9	241	19
10–15.	64	0	568	447	2	35	14	403	17
15–20.	132	0	1,457	1,219	21	129	60	1,049	54
20–25.	297	2	2,484	1,994	90	358	135	1,503	42
25–30.	540	2	3,993	3,199	206	930	351	2,022	88
30–35.	1,107	3	7,744	6,313	519	2,670	1,085	3,014	111
35–40.	1,789	3	15,664	13,023	954	7,239	2,898	4,665	237
40–45.	3,129	11	32,194	27,056	1,943	17,532	7,370	7,261	479
45–50.	5,573	49	58,317	49,394	3,027	35,154	15,282	10,782	949
50–55.	9,188	121	95,118	81,449	4,253	61,585	26,401	15,096	1,701
55–60.	14,931	424	152,477	130,193	5,539	100,898	43,558	22,876	3,457
60–65.	22,288	1,252	226,770	189,906	6,714	148,744	64,086	33,330	6,108
65–70.	30,467	3,365	317,861	261,311	7,460	205,336	85,869	46,902	10,351
70–75.	38,448	8,930	447,657	357,614	8,435	280,318	111,646	66,627	18,026
75–80.	45,141	21,192	603,632	469,657	10,076	365,791	139,075	90,763	28,282
80–85.	43,544	37,316	707,634	540,368	11,080	412,495	149,519	113,330	40,846
85–90.	31,215	41,132	656,776	497,977	10,307	370,269	128,352	114,275	46,367
90–95.	15,327	28,084	428,872	327,153	7,205	236,265	76,298	81,668	37,337
95–100	4,282	9,717	166,643	129,022	3,118	90,309	26,873	34,760	17,342
100 and over	616	1,360	34,052	27,065	534	18,800	4,951	7,611	4,057

See footnotes at end of table.

Table 9. Number of life table deaths from specified causes during age interval, for the male population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table09.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age x	Essential (primary) hypertension and hypertensive renal disease (I10,I12)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	5	328	814	104	31	13	437	14,395
1–5	9,923,856	2	109	291	143	23	2	38	1,401
5–10.	9,909,534	2	79	121	124	13	3	28	484
10–15.	9,900,817	5	93	111	243	22	5	36	508
15–20.	9,889,017	6	175	167	255	32	13	68	693
20–25.	9,842,609	41	328	326	306	79	57	132	674
25–30.	9,774,714	75	527	368	325	78	260	219	582
30–35.	9,711,445	157	936	577	416	117	997	365	653
35–40.	9,638,521	266	1,853	960	646	172	3,025	651	625
40–45.	9,538,864	608	3,635	1,559	1,199	294	6,665	1,113	691
45–50.	9,393,996	1,035	6,343	2,296	2,758	413	11,853	1,953	783
50–55.	9,181,842	1,667	9,504	3,104	5,561	632	13,306	2,884	914
55–60.	8,889,700	2,293	15,258	4,503	14,358	1,041	14,087	4,655	971
60–65.	8,455,111	3,487	24,658	7,236	28,770	1,698	15,148	7,496	1,037
65–70.	7,824,126	4,732	37,330	11,660	52,555	3,164	14,832	12,332	935
70–75.	6,949,057	6,479	61,779	20,453	84,252	6,169	13,139	17,752	888
75–80.	5,768,832	9,030	95,359	34,741	108,415	10,899	10,335	26,125	893
80–85.	4,276,925	11,014	123,212	53,020	111,422	17,006	6,507	31,124	947
85–90.	2,652,697	10,918	118,047	59,910	85,594	19,633	3,369	30,054	743
90–95.	1,247,268	7,609	74,480	48,820	42,963	14,780	1,155	19,897	416
95–100	385,503	2,943	26,288	22,888	13,257	6,478	261	7,602	162
100 and over	64,470	601	4,545	6,146	2,209	1,277	30	1,533	53

Age (years)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Number dying of 10,000,000 born alive					
0–1	2,500	412	2,089	0	956	7	65	34
1–5	5,391	1,796	3,596	0	1,039	0	76	170
5–10.	3,949	2,072	1,877	24	389	0	14	231
10–15.	4,919	2,855	2,064	1,000	665	8	83	1,118
15–20.	22,408	16,650	5,751	6,418	7,935	124	1,517	11,356
20–25.	29,130	20,170	8,953	10,331	13,432	272	4,294	18,372
25–30.	22,847	13,801	9,043	9,909	10,206	617	5,418	14,274
30–35.	21,053	10,994	10,058	9,914	7,366	1,565	6,974	10,765
35–40.	23,229	10,449	12,779	10,672	5,918	4,014	9,571	9,456
40–45.	25,408	10,365	15,045	11,016	5,065	7,500	11,505	8,819
45–50.	24,575	9,736	14,840	10,915	4,099	11,622	10,586	8,364
50–55.	20,785	8,810	11,976	9,800	3,070	12,347	6,257	7,770
55–60.	18,937	8,620	10,317	9,257	2,521	12,671	3,175	7,592
60–65.	18,492	7,917	10,575	7,869	1,808	12,753	1,767	6,865
65–70.	18,588	7,498	11,092	7,936	1,492	10,637	1,265	6,926
70–75.	21,223	7,778	13,447	8,603	1,046	7,737	969	7,526
75–80.	27,157	8,676	18,485	9,100	817	5,309	934	7,881
80–85.	31,207	7,783	23,430	7,984	605	2,700	744	6,604
85–90.	28,958	5,537	23,429	5,378	314	1,217	561	4,260
90–95.	19,159	2,159	17,006	2,177	112	367	282	1,595
95–100	6,696	458	6,240	470	64	87	93	348
100 and over	1,369	30	1,340	53	8	15	8	23

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 10. Number of life table deaths from specified causes during age interval, for the female population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table10.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age *x*	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	649	17	186	2	3	0	0	. . .
1–5	9,937,508	230	36	982	0	0	3	2	. . .
5–10.	9,926,051	84	53	1,139	0	2	2	0	. . .
10–15.	9,918,987	74	61	1,135	2	3	3	2	. . .
15–20.	9,911,116	98	89	1,481	27	0	8	8	. . .
20–25.	9,891,521	167	444	2,114	78	7	32	50	. . .
25–30.	9,868,238	241	1,310	3,487	188	24	80	437	. . .
30–35.	9,841,817	402	2,506	6,734	439	88	336	1,771	. . .
35–40.	9,805,230	635	3,113	13,701	910	274	1,376	4,148	. . .
40–45.	9,749,283	1,019	3,340	25,953	1,834	731	4,000	7,811	. . .
45–50.	9,664,788	1,677	2,545	45,104	3,601	1,488	7,902	12,750	. . .
50–55.	9,542,515	2,545	1,558	75,442	6,065	3,082	16,263	19,291	. . .
55–60.	9,360,884	4,084	938	120,825	9,539	5,575	32,722	24,974	. . .
60–65.	9,076,664	6,184	712	177,021	15,010	9,004	53,271	29,265	. . .
65–70.	8,643,267	9,162	458	231,602	20,493	12,905	72,916	32,270	. . .
70–75.	8,021,889	13,281	218	289,874	27,850	17,833	88,648	36,895	. . .
75–80.	7,131,056	19,739	108	330,593	35,645	21,117	90,277	40,213	. . .
80–85.	5,845,511	24,848	40	310,699	39,386	20,727	69,452	37,850	. . .
85–90.	4,183,013	27,155	14	227,377	35,772	15,337	38,240	29,560	. . .
90–95.	2,393,646	20,022	25	119,786	22,840	8,085	14,662	17,203	. . .
95–100	955,974	9,556	7	41,621	8,601	2,623	3,727	7,056	. . .
100 and over	218,285	2,430	5	7,649	1,543	491	609	1,538	. . .

Age (years)	Diabetes mellitus (E10–E14)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)
				Number dying of 10,000,000 born alive					
0–1	5	0	1,493	1,231	2	61	37	1,160	39
1–5	21	0	602	444	2	19	2	423	29
5–10.	21	0	317	243	2	13	8	221	18
10–15.	53	0	496	355	2	18	7	327	23
15–20.	108	0	952	748	7	59	27	668	34
20–25.	257	0	1,685	1,252	34	169	75	1,028	36
25–30.	486	0	2,581	1,930	103	341	175	1,428	72
30–35.	769	2	4,517	3,329	243	950	439	2,045	86
35–40.	1,257	3	8,381	6,026	494	2,426	1,011	2,923	160
40–45.	2,113	6	15,317	10,911	927	5,210	2,304	4,459	321
45–50.	3,740	36	24,873	17,898	1,520	9,845	4,450	6,116	520
50–55.	6,872	131	41,702	31,459	2,105	19,668	8,775	9,075	1,143
55–60.	12,015	542	71,724	55,329	3,168	37,006	16,590	14,096	2,376
60–65.	19,441	1,480	120,733	93,678	4,096	65,908	29,549	22,050	4,680
65–70.	28,107	3,599	191,106	146,254	5,350	104,629	45,702	33,841	8,221
70–75.	37,978	10,871	305,238	228,054	7,649	164,261	68,244	52,520	14,941
75–80.	49,034	29,565	509,726	370,117	12,002	266,535	106,046	86,344	28,558
80–85.	53,224	60,502	754,453	540,189	18,068	384,544	144,097	131,157	48,975
85–90.	45,231	82,874	908,265	652,264	23,095	456,273	157,499	166,955	70,762
90–95.	27,631	75,260	789,080	575,460	21,607	396,820	120,251	152,767	71,970
95–100	11,243	38,210	421,925	314,396	12,552	215,807	57,547	84,142	43,832
100 and over	2,317	9,060	128,420	99,225	3,912	68,798	16,096	26,058	14,100

See footnotes at end of table.

Table 10. Number of life table deaths from specified causes during age interval, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table10.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age x	Essential (primary) hypertension and hypertensive renal disease (I10,I12)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	2	226	693	83	32	5	327	13,406
1–5	9,937,508	7	140	290	105	40	7	38	1,295
5–10.	9,926,051	2	64	102	99	15	0	25	461
10–15.	9,918,987	2	121	102	145	21	3	30	483
15–20.	9,911,116	17	155	166	178	18	24	57	446
20–25.	9,891,521	27	321	270	217	44	57	172	495
25–30.	9,868,238	55	500	307	301	67	134	217	504
30–35.	9,841,817	118	917	434	444	93	536	365	538
35–40.	9,805,230	174	1,888	827	727	90	1,641	547	531
40–45.	9,749,283	362	3,539	1,085	1,401	192	2,903	841	582
45–50.	9,664,788	641	5,590	1,464	2,559	260	4,121	1,261	683
50–55.	9,542,515	1,051	7,944	1,975	5,557	426	4,530	2,245	784
55–60.	9,360,884	1,656	12,459	3,219	13,241	693	5,508	3,955	1,037
60–65.	9,076,664	2,994	19,771	5,330	26,290	1,124	7,108	6,755	1,098
65–70.	8,643,267	4,561	32,401	8,154	46,049	1,810	8,053	10,959	1,008
70–75.	8,021,889	6,775	57,051	15,377	70,985	3,637	8,921	15,835	881
75–80.	7,131,056	11,537	105,528	29,104	94,319	7,313	9,149	22,566	1,112
80–85.	5,845,511	16,903	165,701	51,070	101,402	12,555	6,861	28,649	1,175
85–90.	4,183,013	19,689	198,688	69,718	80,590	16,821	3,554	29,794	989
90–95.	2,393,646	16,973	162,903	69,235	43,117	15,626	1,219	23,015	594
95–100	955,974	9,612	77,884	41,469	16,530	8,196	227	11,321	308
100 and over	218,285	3,006	19,243	15,308	3,648	2,572	24	2,935	66

Age (years)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Number dying of 10,000,000 born alive					
0–1	1,986	414	1,572	0	726	2	36	19
1–5	3,743	1,445	2,298	0	895	2	35	135
5–10.	2,685	1,625	1,060	2	358	0	23	135
10–15.	2,714	1,836	878	292	403	5	69	306
15–20.	10,068	8,698	1,369	1,352	1,540	35	676	1,467
20–25.	8,634	6,783	1,851	1,603	2,468	64	1,476	2,055
25–30.	6,763	4,640	2,122	1,973	2,307	163	2,035	1,981
30–35.	6,890	4,045	2,845	2,378	2,236	644	3,079	1,985
35–40.	8,536	4,493	4,042	2,869	2,290	1,662	4,538	2,216
40–45.	9,042	4,172	4,870	3,354	1,935	2,733	5,613	2,043
45–50.	8,532	3,942	4,590	3,340	1,447	3,528	4,948	1,773
50–55.	7,837	3,892	3,945	3,236	1,114	3,468	3,493	1,656
55–60.	8,239	4,241	3,998	2,780	852	3,518	2,319	1,510
60–65.	8,847	4,254	4,593	2,169	778	3,625	1,527	1,263
65–70.	10,452	4,599	5,853	1,677	717	2,930	1,024	1,056
70–75.	13,936	5,278	8,658	1,504	681	2,190	1,004	905
75–80.	20,708	6,137	14,571	1,463	673	1,692	1,089	771
80–85.	27,524	5,543	21,982	1,115	538	1,000	974	523
85–90.	29,980	3,523	26,458	669	341	470	741	300
90–95.	23,939	1,207	22,733	314	159	171	401	87
95–100	11,759	271	11,488	74	41	63	123	15
100 and over	3,262	24	3,238	0	5	14	19	0

. . . Category not applicable.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 11. Number of life table deaths from specified causes during age interval, for white males: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table11.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age x	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	605	12	200	0	2	2	0	2
1–5	9,937,307	237	10	1,203	0	4	8	0	0
5–10	9,924,325	103	30	1,284	0	0	4	0	0
10–15	9,916,309	78	28	1,309	6	0	2	0	0
15–20	9,905,220	102	34	2,087	28	4	12	0	0
20–25	9,861,574	176	204	2,901	72	8	45	0	4
25–30	9,800,287	216	1,079	3,556	207	39	108	0	4
30–35	9,743,559	343	3,493	5,471	493	112	339	8	2
35–40	9,677,417	575	5,928	9,895	1,049	397	1,337	21	19
40–45	9,585,876	997	6,085	20,111	1,883	1,002	4,574	26	84
45–50	9,452,964	1,564	5,265	41,176	4,008	2,476	10,616	58	391
50–55	9,258,839	2,421	3,832	75,664	7,394	4,817	22,832	146	1,258
55–60	8,988,329	3,665	2,605	137,344	12,924	8,050	49,390	237	3,652
60–65	8,577,335	5,768	1,487	219,156	20,519	12,455	83,392	287	8,796
65–70	7,965,696	8,902	911	306,172	28,520	16,387	118,374	418	18,594
70–75	7,103,904	12,999	452	384,012	36,612	18,993	142,376	502	32,308
75–80	5,924,466	18,576	252	418,783	41,394	20,733	137,848	549	50,666
80–85	4,412,128	21,082	66	370,065	38,330	17,242	101,467	423	63,026
85–90	2,742,495	18,270	16	252,831	28,418	10,467	54,686	350	58,325
90–95	1,284,016	10,748	5	115,448	14,491	4,225	18,509	162	33,334
95–100	389,870	3,603	13	32,086	4,240	1,083	3,984	66	10,527
100 and over	62,519	536	0	4,524	638	85	434	17	1,658

Age (years)	Diabetes mellitus (E10–E14)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)
				Number dying of 10,000,000 born alive					
0–1	6	0	1,397	1,101	0	74	43	1,014	60
1–5	15	0	590	479	0	25	8	445	31
5–10	16	0	342	243	0	24	4	215	16
10–15	52	0	506	394	2	32	10	354	18
15–20	123	0	1,259	1,012	12	119	60	870	44
20–25	238	2	2,052	1,596	47	304	121	1,212	25
25–30	438	2	3,361	2,654	141	838	305	1,647	56
30–35	952	4	6,685	5,435	362	2,512	1,042	2,497	83
35–40	1,557	3	13,767	11,659	688	7,014	2,919	3,854	186
40–45	2,863	12	28,744	24,761	1,368	16,990	7,312	6,202	395
45–50	4,836	51	52,841	45,949	2,136	34,324	15,444	9,231	770
50–55	8,087	129	87,313	76,602	3,044	59,958	26,520	13,227	1,433
55–60	13,263	452	142,343	123,470	4,060	98,217	43,697	20,533	3,152
60–65	20,289	1,362	216,626	183,993	5,113	146,712	65,210	31,280	5,800
65–70	28,336	3,556	309,964	257,281	5,788	205,105	87,375	45,033	9,991
70–75	36,717	9,413	444,530	357,609	6,829	283,110	114,085	65,689	18,029
75–80	43,826	22,457	611,213	477,955	8,637	374,971	143,443	91,456	28,873
80–85	43,139	39,685	729,227	559,122	9,961	428,913	155,490	116,816	42,339
85–90	31,379	43,828	684,185	520,744	9,715	388,731	133,811	119,231	48,722
90–95	15,181	30,002	447,587	342,546	6,996	247,771	79,386	85,760	39,462
95–100	4,167	10,304	170,474	132,514	2,875	93,023	27,223	35,868	18,107
100 and over	553	1,301	33,104	26,327	434	18,402	4,787	7,407	3,996

See footnotes at end of table.

Table 11. Number of life table deaths from specified causes during age interval, for white males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table11.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age x	Essential (primary) hypertension and hypertensive renal disease (I10,I12)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	4	255	619	80	35	10	339	14,105
1–5	9,937,307	0	101	218	82	21	2	34	1,245
5–10.	9,924,325	2	91	122	75	16	0	32	446
10–15.	9,916,309	4	84	110	138	20	4	36	488
15–20.	9,905,220	8	179	155	163	34	8	62	641
20–25.	9,861,574	23	314	304	206	70	45	108	654
25–30.	9,800,287	48	477	293	201	71	247	154	602
30–35.	9,743,559	104	824	497	268	108	1,019	239	680
35–40.	9,677,417	148	1,485	848	489	153	3,059	458	633
40–45.	9,585,876	357	2,868	1,261	1,022	290	6,660	775	682
45–50.	9,452,964	649	4,839	1,934	2,563	393	11,942	1,255	788
50–55.	9,258,839	1,044	7,426	2,646	5,381	580	13,129	2,034	949
55–60.	8,988,329	1,606	12,656	4,057	14,625	1,020	13,973	3,568	1,017
60–65.	8,577,335	2,550	21,301	6,672	30,059	1,609	15,548	6,050	1,112
65–70.	7,965,696	3,689	33,966	11,019	55,125	3,028	15,342	10,533	963
70–75.	7,103,904	5,434	58,808	19,916	88,647	5,924	13,780	16,256	910
75–80.	5,924,466	8,014	94,485	34,870	114,185	10,964	10,966	25,032	925
80–85.	4,412,128	10,148	125,449	54,250	117,868	17,526	6,992	30,574	989
85–90.	2,742,495	10,376	121,519	62,238	90,826	20,599	3,599	30,192	771
90–95.	1,284,016	7,405	77,086	50,532	45,137	15,480	1,202	20,188	441
95–100	389,870	2,684	26,606	23,713	13,677	6,740	282	7,600	177
100 and over	62,519	519	4,532	6,174	2,134	1,335	34	1,505	26

Age (years)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Number dying of 10,000,000 born alive					
0–1	2,101	393	1,709	0	751	6	41	23
1–5	5,118	1,673	3,446	0	745	0	59	122
5–10.	3,518	1,971	1,547	24	337	0	14	193
10–15.	4,735	2,876	1,858	1,041	499	8	92	1,045
15–20.	23,732	17,905	5,820	6,848	4,057	123	1,781	7,918
20–25.	30,532	20,938	9,586	10,735	6,385	268	4,858	11,857
25–30.	23,370	13,854	9,512	10,371	5,277	635	5,845	9,973
30–35.	21,378	10,967	10,410	10,671	4,349	1,558	7,412	8,638
35–40.	23,528	10,414	13,114	11,593	4,020	4,001	9,875	8,492
40–45.	25,368	10,355	15,014	12,223	3,588	7,371	11,406	8,579
45–50.	23,721	9,563	14,159	12,123	2,928	11,525	9,876	8,415
50–55.	19,894	8,713	11,181	10,790	2,292	11,989	5,532	8,084
55–60.	18,209	8,531	9,678	10,150	2,008	12,130	2,842	7,934
60–65.	17,978	7,806	10,172	8,656	1,447	12,569	1,554	7,370
65–70.	18,262	7,485	10,777	8,679	1,163	10,367	1,226	7,500
70–75.	21,173	7,836	13,339	9,320	840	7,708	974	8,082
75–80.	27,582	8,865	18,721	9,939	688	5,355	961	8,621
80–85.	32,433	8,112	24,328	8,718	490	2,784	797	7,175
85–90.	30,489	5,789	24,709	5,926	277	1,196	574	4,719
90–95.	20,157	2,274	17,890	2,405	92	365	305	1,761
95–100	6,941	466	6,477	512	53	92	72	374
100 and over	1,363	34	1,329	43	0	17	0	26

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 12. Number of life table deaths from specified causes during age interval, for white females: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table12.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age *x*	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	453	4	184	0	2	0	0	. . .
1–5	9,948,835	205	13	1,022	0	0	4	0	. . .
5–10.	9,938,525	79	26	1,168	0	2	2	0	. . .
10–15.	9,931,899	66	34	1,150	2	4	4	2	. . .
15–20.	9,924,458	77	26	1,484	24	0	6	9	. . .
20–25.	9,904,872	116	116	2,095	86	5	25	30	. . .
25–30.	9,883,527	184	461	3,462	173	22	81	388	. . .
30–35.	9,860,170	303	922	6,430	406	81	342	1,524	. . .
35–40.	9,828,227	453	1,249	13,031	815	266	1,341	3,733	. . .
40–45.	9,779,037	795	1,284	24,702	1,697	696	3,957	7,130	. . .
45–50.	9,704,854	1,284	988	43,241	3,283	1,430	7,636	11,814	. . .
50–55.	9,596,244	2,068	549	74,007	5,601	2,989	16,471	18,497	. . .
55–60.	9,429,319	3,429	402	119,945	9,004	5,361	33,784	24,219	. . .
60–65.	9,161,475	5,288	274	178,204	14,498	8,892	55,561	29,166	. . .
65–70.	8,744,901	8,065	157	233,868	19,909	12,620	76,017	32,544	. . .
70–75.	8,140,017	11,990	74	294,256	27,340	17,604	92,413	37,627	. . .
75–80.	7,259,462	18,197	36	336,659	35,386	20,882	93,871	41,109	. . .
80–85.	5,972,050	23,557	22	317,336	39,427	20,706	72,239	38,817	. . .
85–90.	4,284,833	26,081	13	232,530	36,361	15,320	39,527	30,267	. . .
90–95.	2,449,144	19,330	21	121,502	23,142	7,987	15,002	17,508	. . .
95–100	967,954	8,878	0	41,473	8,526	2,601	3,661	7,106	. . .
100 and over	214,650	2,052	5	7,121	1,419	422	570	1,461	. . .

Age (years)	Diabetes mellitus (E10–E14)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)
				Number dying of 10,000,000 born alive					
0–1	6	0	1,235	1,019	2	52	35	957	37
1–5	24	0	499	360	0	18	2	342	29
5–10.	17	0	286	218	0	13	9	199	15
10–15.	38	0	411	292	2	13	2	271	25
15–20.	79	0	847	671	2	58	26	600	26
20–25.	191	0	1,349	969	18	118	48	821	16
25–30.	391	0	2,051	1,479	50	292	154	1,101	57
30–35.	665	2	3,550	2,622	101	825	392	1,646	67
35–40.	1,091	4	6,719	4,870	250	2,197	948	2,307	124
40–45.	1,796	5	11,793	8,532	498	4,379	1,976	3,456	208
45–50.	3,104	35	19,335	14,169	821	8,257	3,859	4,782	367
50–55.	5,595	144	34,517	26,598	1,239	17,295	7,831	7,593	918
55–60.	9,901	611	62,213	48,634	1,979	33,565	15,530	12,248	1,977
60–65.	16,509	1,629	108,303	85,191	2,809	60,917	28,062	20,073	4,320
65–70.	24,172	3,839	176,803	136,285	3,902	98,538	43,998	31,653	7,735
70–75.	33,314	11,496	292,365	219,356	5,827	159,385	66,743	50,753	14,455
75–80.	44,632	31,006	500,786	364,313	10,140	263,564	105,331	85,564	28,514
80–85.	49,543	63,751	760,376	545,525	16,471	389,050	145,786	133,734	50,158
85–90.	42,901	87,682	929,754	669,016	22,067	468,348	161,149	172,807	73,616
90–95.	26,366	79,779	814,130	595,195	21,139	410,625	123,668	159,182	75,370
95–100	10,651	39,936	431,755	322,527	12,158	221,450	58,440	87,075	45,570
100 and over	1,915	9,172	127,012	98,646	3,576	68,465	15,576	26,209	14,447

See footnotes at end of table.

Table 12. Number of life table deaths from specified causes during age interval, for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table12.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age x	Essential (primary) hypertension and hypertensive renal disease (I10,I12)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	2	175	482	48	28	4	218	12,898
1–5	9,948,835	7	121	260	88	42	4	40	1,161
5–10	9,938,525	0	60	96	70	17	0	17	444
10–15	9,931,899	2	102	104	91	19	4	21	430
15–20	9,924,458	11	131	152	144	19	15	43	427
20–25	9,904,872	18	280	214	155	34	32	146	482
25–30	9,883,527	31	456	274	211	68	90	156	503
30–35	9,860,170	44	752	386	336	89	511	261	566
35–40	9,828,227	66	1,510	735	572	75	1,630	337	520
40–45	9,779,037	173	2,673	915	1,229	185	2,816	562	602
45–50	9,704,854	344	4,203	1,270	2,312	227	3,892	836	705
50–55	9,596,244	598	6,214	1,856	5,585	407	4,352	1,536	840
55–60	9,429,319	1,043	10,483	3,053	13,833	664	5,382	2,794	1,085
60–65	9,161,475	2,046	17,005	5,064	28,478	1,103	7,191	5,073	1,153
65–70	8,744,901	3,378	29,386	7,993	50,165	1,774	8,328	8,630	1,068
70–75	8,140,017	5,474	54,105	15,264	77,082	3,540	9,363	13,359	895
75–80	7,259,462	9,972	103,706	29,439	101,975	7,383	9,709	20,476	1,162
80–85	5,972,050	15,530	166,989	52,278	109,120	12,659	7,213	26,848	1,234
85–90	4,284,833	18,706	203,210	72,153	86,427	17,241	3,730	28,653	1,045
90–95	2,449,144	16,463	167,687	71,789	45,648	15,991	1,274	22,260	625
95–100	967,954	9,284	79,429	42,695	17,397	8,282	232	10,887	311
100 and over	214,650	2,764	18,761	15,238	3,703	2,468	26	2,585	69

Age (years)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
				Number dying of 10,000,000 born alive				
0–1	1,637	359	1,279	0	496	2	30	15
1–5	3,496	1,344	2,152	0	622	0	22	99
5–10	2,518	1,568	950	2	300	0	17	122
10–15	2,697	1,904	792	307	349	6	81	278
15–20	11,027	9,611	1,415	1,434	1,078	34	755	1,201
20–25	8,917	6,937	1,980	1,672	1,809	52	1,675	1,632
25–30	6,924	4,711	2,212	2,089	1,637	138	2,263	1,660
30–35	6,921	4,090	2,831	2,628	1,686	605	3,181	1,837
35–40	8,590	4,556	4,033	3,272	1,658	1,620	4,636	2,144
40–45	8,962	4,205	4,757	3,763	1,452	2,617	5,557	2,000
45–50	8,355	3,910	4,445	3,750	1,175	3,318	4,930	1,812
50–55	7,659	3,827	3,832	3,646	943	3,227	3,516	1,726
55–60	8,284	4,290	3,994	3,099	784	3,374	2,462	1,668
60–65	8,763	4,336	4,427	2,429	682	3,514	1,658	1,390
65–70	10,535	4,697	5,838	1,811	662	2,955	1,087	1,147
70–75	13,937	5,347	8,590	1,653	633	2,246	1,085	981
75–80	21,320	6,423	14,897	1,577	599	1,711	1,192	819
80–85	28,677	5,803	22,875	1,154	472	992	1,034	547
85–90	31,511	3,701	27,811	705	338	466	738	320
90–95	25,207	1,236	23,972	337	150	170	417	97
95–100	12,311	282	12,030	79	37	70	116	12
100 and over	3,319	26	3,292	0	5	16	16	0

. . . Category not applicable.

[1] Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2] Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86. [3] Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 13. Number of life table deaths from specified causes during age interval, for black males: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table13.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age x	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	1,910	193	107	0	0	11	0	0
1–5	9,843,698	371	258	928	0	0	10	0	0
5–10.	9,821,931	84	223	1,170	0	0	9	0	0
10–15.	9,809,311	68	253	1,549	0	0	10	0	0
15–20.	9,793,031	188	386	2,473	42	0	42	0	0
20–25.	9,727,456	463	1,734	3,314	214	0	48	0	0
25–30.	9,610,262	671	8,637	3,914	298	37	137	25	12
30–35.	9,494,009	1,107	22,174	6,187	758	169	265	24	0
35–40.	9,364,055	1,727	32,460	12,684	1,694	557	2,196	111	33
40–45.	9,194,496	2,914	39,738	30,586	3,329	1,313	8,859	115	276
45–50.	8,943,906	5,428	40,699	67,126	7,050	3,458	20,817	107	1,260
50–55.	8,565,296	8,209	30,929	122,712	11,568	7,285	41,522	341	3,861
55–60.	8,052,922	11,883	20,655	201,102	20,459	11,392	71,197	405	10,624
60–65.	7,358,836	15,394	13,187	269,689	25,961	13,665	97,393	552	24,040
65–70.	6,498,009	20,883	8,084	346,926	33,762	17,755	129,379	417	45,364
70–75.	5,425,267	25,999	4,772	394,516	36,600	19,005	134,565	759	72,359
75–80.	4,169,255	30,898	1,958	383,494	38,308	17,672	117,368	559	89,814
80–85.	2,849,733	28,958	677	306,658	32,151	13,189	74,724	484	97,290
85–90.	1,653,233	23,712	174	193,736	20,622	6,700	38,506	486	72,837
90–95.	762,545	13,017	80	87,663	9,753	2,826	11,426	119	39,927
95–100	256,461	4,434	45	28,099	3,665	679	2,308	181	14,297
100 and over	56,307	1,296	0	5,834	648	108	810	0	2,917

Age (years)	Diabetes mellitus (E10–E14)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09,I11, I13,I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)
				Number dying of 10,000,000 born alive					
0–1	21	0	2,994	2,136	0	97	54	1,985	150
1–5	10	0	1,083	949	0	10	0	938	41
5–10.	28	0	464	436	0	46	37	381	37
10–15.	127	0	886	731	0	49	29	672	10
15–20.	209	0	2,714	2,463	63	198	73	2,139	104
20–25.	677	0	5,311	4,527	368	677	249	3,361	143
25–30.	1,367	0	8,886	7,382	671	1,678	696	4,920	323
30–35.	2,383	0	15,891	13,063	1,626	4,046	1,505	6,981	313
35–40.	3,633	0	30,367	24,237	2,933	10,056	3,422	10,655	624
40–45.	5,564	0	60,747	47,475	6,167	24,211	9,147	15,909	1,187
45–50.	11,581	27	107,748	83,795	10,207	47,719	17,439	24,153	2,480
50–55.	18,708	97	173,468	135,954	14,613	86,265	30,959	33,310	4,268
55–60.	29,634	341	258,973	207,790	18,595	139,936	50,886	46,487	6,935
60–65.	38,692	793	333,620	263,271	19,900	185,135	65,930	55,262	9,656
65–70.	48,548	2,607	411,516	322,003	21,499	228,497	83,516	68,257	14,811
70–75.	53,304	6,398	497,295	381,951	22,383	275,578	99,942	79,763	20,309
75–80.	53,607	12,611	534,189	400,373	21,603	287,837	102,939	87,021	25,086
80–85.	44,569	18,574	503,516	371,896	19,911	264,431	96,333	84,136	28,447
85–90.	27,116	19,372	393,699	288,177	14,418	199,979	75,380	70,722	27,327
90–95.	14,053	11,305	232,104	172,144	7,928	120,465	43,037	42,039	18,155
95–100	3,303	4,163	99,747	74,316	3,713	50,060	17,648	19,456	8,689
100 and over	756	1,296	29,501	23,450	919	15,617	4,592	6,644	3,296

See footnotes at end of table.

Table 13. Number of life table deaths from specified causes during age interval, for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table13.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age x	Essential (primary) hypertension and hypertensive renal disease (I10,I12)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	11	773	1,792	236	11	21	1,030	17,542
1–5	9,843,698	10	124	619	454	41	0	62	2,248
5–10.	9,821,931	0	28	121	390	0	19	19	659
10–15.	9,809,311	10	136	107	789	39	10	29	682
15–20.	9,793,031	0	198	240	793	21	21	115	1,116
20–25.	9,727,456	154	463	523	891	143	107	297	879
25–30.	9,610,262	248	957	857	1,131	149	336	646	621
30–35.	9,494,009	518	1,745	1,216	1,444	193	650	1,216	710
35–40.	9,364,055	1,092	4,146	1,850	1,750	312	2,732	2,062	702
40–45.	9,194,496	2,350	8,975	3,687	2,615	415	7,018	3,502	887
45–50.	8,943,906	3,981	17,144	5,308	4,732	657	13,113	7,291	898
50–55.	8,565,296	6,814	26,092	7,026	8,161	1,233	16,831	9,864	860
55–60.	8,052,922	8,341	36,293	8,918	15,617	1,493	16,518	13,653	768
60–65.	7,358,836	11,071	49,791	11,913	25,339	2,714	13,670	19,020	648
65–70.	6,498,009	13,349	64,274	16,844	40,909	4,589	12,597	27,297	730
70–75.	5,425,267	15,128	83,973	25,135	55,717	8,811	8,733	31,340	705
75–80.	4,169,255	17,057	96,733	31,880	61,968	10,905	5,119	35,400	643
80–85.	2,849,733	17,349	94,174	37,121	55,276	12,093	2,258	35,633	548
85–90.	1,653,233	14,095	76,597	33,854	37,776	10,867	1,146	27,392	486
90–95.	762,545	7,882	41,963	26,834	20,343	7,723	518	15,246	199
95–100	256,461	3,801	16,788	11,313	7,376	3,348	0	5,837	45
100 and over	56,307	864	3,187	3,890	1,621	594	0	1,296	216

Age (years)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Number dying of 10,000,000 born alive					
0–1	4,855	483	4,373	0	2,180	11	193	97
1–5	7,217	2,374	4,843	0	2,591	0	155	351
5–10.	6,348	2,759	3,588	19	669	0	19	427
10–15.	6,289	3,041	3,248	848	1,550	10	39	1,656
15–20.	17,676	11,989	5,685	4,395	29,295	94	522	31,139
20–25.	25,912	18,735	7,173	9,541	56,458	226	2,510	59,638
25–30.	24,381	16,041	8,337	8,427	42,792	510	4,778	44,076
30–35.	23,317	13,178	10,137	7,044	27,684	1,289	6,665	26,996
35–40.	25,396	12,024	13,371	6,556	19,365	3,882	10,658	17,973
40–45.	31,082	12,382	18,701	5,301	15,577	8,289	15,550	12,504
45–50.	35,265	12,462	22,805	4,827	12,704	13,910	18,938	10,043
50–55.	31,107	10,766	20,343	4,058	9,029	17,034	13,842	7,320
55–60.	27,276	10,334	16,943	3,650	6,577	18,362	6,623	6,168
60–65.	23,852	9,134	14,719	2,739	4,375	15,527	3,752	4,277
65–70.	22,370	7,750	14,622	2,999	4,175	13,829	1,801	3,808
70–75.	21,796	6,811	14,987	3,119	2,768	8,466	1,059	3,987
75–80.	22,256	6,381	15,878	2,266	1,959	4,953	700	2,685
80–85.	19,146	4,389	14,759	1,613	1,356	2,001	323	2,065
85–90.	14,182	2,988	11,196	764	521	1,077	521	764
90–95.	9,286	1,076	8,213	319	279	319	120	319
95–100	3,397	362	3,036	45	136	45	181	91
100 and over	973	0	974	54	54	0	54	0

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 14. Number of life table deaths from specified causes during age interval, for black females: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table14.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age x	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)
	Number dying of 10,000,000 born alive								
0–1	10,000,000	1,727	89	199	11	11	0	0	. . .
1–5	9,872,336	309	149	821	0	0	0	11	. . .
5–10.	9,854,953	77	192	1,068	0	0	0	0	. . .
10–15.	9,845,552	110	201	1,133	0	0	0	0	. . .
15–20.	9,835,403	193	428	1,615	32	0	21	11	. . .
20–25.	9,814,074	365	2,257	2,440	57	11	68	160	. . .
25–30.	9,778,467	586	6,315	4,306	253	46	57	838	. . .
30–35.	9,731,397	1,045	12,230	9,040	634	111	334	3,491	. . .
35–40.	9,663,153	1,770	14,972	19,403	1,515	368	1,862	7,163	. . .
40–45.	9,558,838	2,573	16,808	36,998	2,796	1,053	5,188	13,130	. . .
45–50.	9,397,854	4,505	13,440	63,166	6,080	2,166	10,979	20,493	. . .
50–55.	9,168,043	6,343	9,237	97,758	9,897	4,349	18,939	28,072	. . .
55–60.	8,851,711	9,572	5,207	145,812	14,505	7,732	32,454	34,392	. . .
60–65.	8,404,374	13,674	4,011	194,387	21,320	10,948	48,136	34,240	. . .
65–70.	7,794,144	18,668	2,747	244,142	27,074	16,061	62,437	35,715	. . .
70–75.	6,977,764	25,263	1,365	280,009	33,908	20,737	69,612	36,015	. . .
75–80.	5,936,096	33,478	736	286,321	38,830	22,192	64,851	36,217	. . .
80–85.	4,645,297	37,811	203	253,360	39,606	20,527	44,122	31,702	. . .
85–90.	3,205,302	37,557	30	179,767	31,258	14,975	25,167	24,364	. . .
90–95.	1,834,657	27,164	67	103,324	20,464	9,066	10,599	15,065	. . .
95–100	798,887	15,344	77	41,021	8,916	2,717	3,865	6,888	. . .
100 and over	235,088	5,869	0	11,691	2,509	1,041	852	2,272	. . .

Age (years)	Diabetes mellitus (E10–E14)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)
	Number dying of 10,000,000 born alive								
0–1	0	0	2,824	2,303	0	111	44	2,192	66
1–5	11	0	1,130	864	11	32	0	821	43
5–10.	48	0	510	414	10	19	10	375	29
10–15.	130	0	832	612	0	40	30	552	20
15–20.	267	0	1,679	1,326	32	86	43	1,166	86
20–25.	650	0	3,740	2,942	125	456	217	2,280	125
25–30.	1,148	0	5,948	4,743	425	655	310	3,479	172
30–35.	1,612	0	10,842	8,106	1,123	1,857	812	4,815	233
35–40.	2,548	0	19,702	14,124	2,047	4,514	1,750	7,000	399
40–45.	4,487	11	39,745	27,943	3,775	11,537	4,923	11,611	1,084
45–50.	8,431	49	65,153	46,297	6,488	22,576	9,478	16,125	1,662
50–55.	16,976	45	99,881	72,903	8,774	41,094	17,532	21,446	3,044
55–60.	28,325	137	153,225	115,445	12,550	69,832	27,956	30,343	5,911
60–65.	41,511	665	224,326	168,787	13,943	111,691	45,261	39,940	8,311
65–70.	58,307	2,583	317,481	240,271	16,628	163,643	64,841	55,609	13,314
70–75.	73,973	7,616	429,595	318,241	22,730	216,937	86,433	73,043	20,833
75–80.	83,015	20,623	588,471	425,993	27,778	294,323	113,055	97,299	30,562
80–85.	82,023	35,790	696,360	495,920	31,738	345,240	130,038	111,618	40,503
85–90.	63,915	43,893	713,039	505,009	31,978	347,395	124,543	118,714	47,778
90–95.	38,631	35,736	557,101	395,678	25,836	269,711	89,635	95,799	41,862
95–100	15,689	21,891	315,528	229,276	15,386	157,062	47,301	54,494	27,206
100 and over	5,728	7,669	131,410	97,897	6,628	67,459	19,362	22,864	10,366

See footnotes at end of table.

Table 14. Number of life table deaths from specified causes during age interval, for black females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table14.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Number surviving to age x	Essential (primary) hypertension and hypertensive renal disease (I10,I12)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)
				Number dying of 10,000,000 born alive					
0–1	10,000,000	0	498	1,738	266	55	0	952	16,873
1–5	9,872,336	0	256	416	192	43	21	32	1,887
5–10.	9,854,953	10	77	106	241	10	0	67	548
10–15.	9,845,552	0	191	80	441	30	0	70	742
15–20.	9,835,403	53	267	225	364	21	64	150	567
20–25.	9,814,074	80	593	570	581	114	171	353	616
25–30.	9,778,467	184	838	551	861	92	321	597	597
30–35.	9,731,397	545	1,924	789	1,145	145	556	1,034	500
35–40.	9,663,153	849	4,247	1,525	1,781	205	1,494	1,842	737
40–45.	9,558,838	1,595	9,048	2,233	2,764	308	3,508	2,722	521
45–50.	9,397,854	2,585	14,623	3,016	4,763	529	5,699	4,123	726
50–55.	9,168,043	4,439	20,245	3,269	7,123	660	5,878	7,573	615
55–60.	8,851,711	6,459	26,857	4,992	12,410	1,057	6,616	12,508	940
60–65.	8,404,374	9,929	38,786	7,691	17,153	1,573	6,826	19,081	931
65–70.	7,794,144	13,408	54,151	9,887	25,595	2,419	6,246	28,976	775
70–75.	6,977,764	17,337	80,177	16,716	33,453	4,885	5,220	35,823	910
75–80.	5,936,096	24,322	116,623	25,238	38,652	7,051	4,337	39,920	761
80–85.	4,645,297	27,533	146,735	37,815	37,347	11,725	3,214	44,093	608
85–90.	3,205,302	27,722	153,060	45,495	29,237	12,866	1,694	39,459	475
90–95.	1,834,657	21,331	115,294	43,300	18,965	12,165	800	29,597	367
95–100	798,887	11,824	59,276	26,788	7,576	7,194	191	15,000	306
100 and over	235,088	4,875	21,490	14,391	2,651	2,887	0	5,869	47

Age (years)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Number dying of 10,000,000 born alive					
0–1	3,932	631	3,300	0	1,974	0	78	22
1–5	5,184	1,995	3,189	0	2,297	11	107	309
5–10.	3,561	1,935	1,626	0	617	0	48	192
10–15.	2,849	1,575	1,274	211	703	0	30	421
15–20.	6,355	5,201	1,155	706	4,082	21	332	3,005
20–25.	7,880	6,411	1,471	1,060	6,110	57	753	4,480
25–30.	6,811	4,641	2,170	1,183	6,097	149	1,390	4,007
30–35.	7,619	4,072	3,547	1,167	5,380	734	3,403	3,169
35–40.	9,336	4,465	4,872	1,064	6,111	1,555	5,190	3,131
40–45.	10,741	4,159	6,582	1,552	4,985	3,360	7,466	2,679
45–50.	10,675	4,200	6,475	1,243	3,280	4,948	6,513	1,895
50–55.	9,750	4,126	5,624	1,065	2,208	5,203	4,500	1,395
55–60.	8,498	3,741	4,757	803	1,412	4,639	1,821	724
60–65.	9,400	3,260	6,140	576	1,377	4,610	975	687
65–70.	10,335	3,665	6,670	587	1,059	3,100	705	540
70–75.	13,678	4,337	9,340	407	984	1,868	479	407
75–80.	14,842	2,995	11,846	355	1,169	1,522	381	431
80–85.	16,711	2,752	13,957	405	1,044	926	463	347
85–90.	15,515	1,546	13,967	149	387	505	713	149
90–95.	11,936	767	11,167	67	234	167	300	0
95–100	6,124	115	6,008	38	77	0	191	38
100 and over	2,557	0	2,556	0	0	0	47	0

. . . Category not applicable.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 15. Probability of eventually dying from specified causes, by exact age, for the total population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table15.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
0	0.013317	0.003578	0.219744	0.023486	0.011865	0.061157	0.015940	0.013711	0.028566
1	0.013338	0.003600	0.221263	0.023651	0.011948	0.061585	0.016051	0.013807	0.028765
5	0.013330	0.003600	0.221444	0.023681	0.011963	0.061665	0.016072	0.013825	0.028801
10	0.013332	0.003597	0.221500	0.023700	0.011973	0.061714	0.016085	0.013836	0.028822
15	0.013337	0.003594	0.221596	0.023724	0.011985	0.061775	0.016101	0.013850	0.028845
20	0.013372	0.003598	0.222162	0.023801	0.012025	0.061983	0.016155	0.013896	0.028931
25	0.013415	0.003571	0.222949	0.023904	0.012081	0.062270	0.016229	0.013962	0.029038
30	0.013450	0.003416	0.223619	0.023993	0.012133	0.062548	0.016281	0.014026	0.029120
35	0.013483	0.003006	0.224255	0.024080	0.012192	0.062868	0.016283	0.014105	0.029188
40	0.013523	0.002396	0.224832	0.024170	0.012255	0.063231	0.016199	0.014218	0.029266
45	0.013568	0.001721	0.225068	0.024258	0.012310	0.063521	0.015984	0.014384	0.029343
50	0.013613	0.001122	0.224350	0.024269	0.012315	0.063614	0.015586	0.014615	0.029370
55	0.013661	0.000700	0.221687	0.024144	0.012194	0.063044	0.014927	0.014912	0.029252
60	0.013733	0.000423	0.215797	0.023818	0.011905	0.060881	0.014096	0.015280	0.028914
65	0.013835	0.000241	0.205553	0.023180	0.011375	0.056541	0.013197	0.015645	0.028248
70	0.013926	0.000125	0.190210	0.022212	0.010561	0.049525	0.012282	0.015827	0.027155
75	0.014017	0.000061	0.168897	0.020816	0.009413	0.039898	0.011256	0.015665	0.025583
80	0.013943	0.000027	0.142139	0.018982	0.007904	0.028841	0.010142	0.014823	0.023284
85	0.013791	0.000017	0.112725	0.016844	0.006189	0.018526	0.009069	0.012937	0.020280
90	0.013166	0.000018	0.083984	0.014204	0.004577	0.010592	0.008016	0.009988	0.016970
95	0.012354	0.000019	0.060917	0.011099	0.003200	0.005955	0.007199	0.007045	0.013884
100	0.010995	0.000018	0.041391	0.007603	0.002115	0.003574	0.005981	0.004577	0.010448

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09,I11, I13,I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
0	0.023914	0.414854	0.313838	0.010128	0.227492	0.082878	0.073442	0.026639	0.008083
1	0.024082	0.417599	0.315908	0.010198	0.229077	0.083454	0.073839	0.026820	0.008139
5	0.024113	0.418079	0.316270	0.010212	0.229373	0.083562	0.073887	0.026852	0.008149
10	0.024132	0.418379	0.316496	0.010220	0.229554	0.083628	0.073923	0.026872	0.008155
15	0.024156	0.418743	0.316772	0.010230	0.229781	0.083710	0.073960	0.026896	0.008163
20	0.024238	0.420037	0.317744	0.010263	0.230549	0.083989	0.074123	0.026983	0.008190
25	0.024352	0.421798	0.319071	0.010305	0.231605	0.084373	0.074342	0.027106	0.008225
30	0.024464	0.423409	0.320281	0.010336	0.232610	0.084736	0.074508	0.027223	0.008256
35	0.024603	0.425172	0.321596	0.010356	0.233739	0.085136	0.074669	0.027367	0.008289
40	0.024801	0.427360	0.323205	0.010364	0.235125	0.085621	0.074878	0.027567	0.008333
45	0.025099	0.430012	0.325103	0.010338	0.236762	0.086144	0.075165	0.027857	0.008382
50	0.025543	0.433249	0.327316	0.010280	0.238587	0.086629	0.075605	0.028277	0.008442
55	0.026192	0.436999	0.329625	0.010198	0.240327	0.086949	0.076243	0.028855	0.008513
60	0.027210	0.442129	0.332561	0.010120	0.242319	0.087086	0.077260	0.029705	0.008636
65	0.028800	0.449609	0.336847	0.010118	0.244961	0.087036	0.078888	0.030967	0.008800
70	0.031196	0.460547	0.343324	0.010273	0.248792	0.086975	0.081364	0.032809	0.009055
75	0.034614	0.476022	0.353044	0.010666	0.254343	0.087041	0.085135	0.035482	0.009471
80	0.038978	0.496397	0.366915	0.011385	0.261789	0.086779	0.090874	0.039523	0.010011
85	0.043135	0.520557	0.385134	0.012514	0.271298	0.085653	0.098549	0.045237	0.010677
90	0.046042	0.545167	0.406376	0.014023	0.282614	0.082508	0.107075	0.052344	0.011469
95	0.045208	0.564374	0.426948	0.015636	0.294684	0.078167	0.114164	0.059548	0.012377
100	0.038309	0.578883	0.449113	0.016414	0.311476	0.074214	0.119162	0.064331	0.013074

See footnotes at end of table.

Table 15. Probability of eventually dying from specified causes, by exact age, for the total population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table15.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
0	0.074827	0.029685	0.052608	0.007634	0.008938	0.016260	0.002898	0.031636	0.012258
1	0.075323	0.029817	0.052967	0.007685	0.008999	0.016335	0.001517	0.031631	0.012302
5	0.075408	0.029827	0.053024	0.007691	0.009010	0.016352	0.001383	0.031209	0.012155
10	0.075461	0.029839	0.053055	0.007696	0.009017	0.016363	0.001337	0.030898	0.011977
15	0.075526	0.029858	0.053088	0.007702	0.009026	0.016376	0.001288	0.030540	0.011751
20	0.075765	0.029942	0.053245	0.007725	0.009055	0.016425	0.001234	0.028979	0.010494
25	0.076088	0.030053	0.053469	0.007755	0.009092	0.016486	0.001180	0.027167	0.009154
30	0.076387	0.030157	0.053684	0.007784	0.009113	0.016540	0.001130	0.025764	0.008245
35	0.076724	0.030275	0.053943	0.007817	0.009086	0.016596	0.001075	0.024463	0.007513
40	0.077150	0.030427	0.054308	0.007866	0.008917	0.016668	0.001024	0.023009	0.006797
45	0.077703	0.030655	0.054826	0.007936	0.008521	0.016767	0.000969	0.021475	0.006115
50	0.078454	0.031002	0.055522	0.008041	0.007820	0.016894	0.000908	0.020089	0.005493
55	0.079535	0.031529	0.056354	0.008192	0.007045	0.017052	0.000839	0.019042	0.004940
60	0.081213	0.032380	0.057089	0.008429	0.006218	0.017260	0.000759	0.018274	0.004409
65	0.083758	0.033707	0.057431	0.008802	0.005272	0.017509	0.000678	0.017798	0.003957
70	0.087439	0.035741	0.056575	0.009347	0.004280	0.017698	0.000616	0.017643	0.003548
75	0.092173	0.038664	0.053640	0.010081	0.003273	0.017925	0.000577	0.017755	0.003113
80	0.097428	0.042907	0.048402	0.011043	0.002261	0.018032	0.000537	0.017908	0.002518
85	0.101565	0.048267	0.040769	0.012062	0.001402	0.017989	0.000483	0.017967	0.001813
90	0.102342	0.055110	0.031805	0.012850	0.000759	0.017577	0.000431	0.017736	0.001023
95	0.097175	0.062635	0.025007	0.013077	0.000363	0.016712	0.000425	0.016787	0.000505
100	0.085390	0.074069	0.019456	0.013037	0.000164	0.015061	0.000383	0.015935	0.000164

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
0	0.019379	0.008456	0.004603	0.005928	0.005082	0.008073
1	0.019329	0.008515	0.004550	0.005969	0.005113	0.008127
5	0.019056	0.008526	0.004458	0.005977	0.005114	0.008122
10	0.018922	0.008532	0.004424	0.005982	0.005116	0.008110
15	0.018790	0.008474	0.004374	0.005987	0.005113	0.008045
20	0.018487	0.008101	0.003899	0.005999	0.005018	0.007408
25	0.018015	0.007521	0.003094	0.006010	0.004744	0.006382
30	0.017521	0.006941	0.002461	0.005997	0.004382	0.005569
35	0.016952	0.006342	0.001977	0.005917	0.003887	0.004939
40	0.016214	0.005689	0.001567	0.005670	0.003185	0.004371
45	0.015362	0.005002	0.001218	0.005200	0.002324	0.003852
50	0.014598	0.004329	0.000943	0.004483	0.001536	0.003379
55	0.014105	0.003727	0.000738	0.003732	0.001041	0.002950
60	0.013867	0.003194	0.000576	0.002964	0.000770	0.002553
65	0.013844	0.002794	0.000457	0.002165	0.000620	0.002227
70	0.014098	0.002440	0.000356	0.001488	0.000530	0.001925
75	0.014645	0.002068	0.000281	0.000974	0.000462	0.001599
80	0.015393	0.001630	0.000212	0.000570	0.000388	0.001218
85	0.016158	0.001157	0.000149	0.000323	0.000323	0.000827
90	0.016717	0.000690	0.000101	0.000176	0.000248	0.000447
95	0.016285	0.000340	0.000076	0.000119	0.000171	0.000210
100	0.015775	0.000128	0.000037	0.000091	0.000091	0.000055

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 16. Probability of eventually dying from specified causes, by exact age, for the male population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table16.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
0	0.012111	0.005394	0.240266	0.024123	0.011772	0.074449	0.000339	0.030202	0.026812
1	0.012124	0.005432	0.242090	0.024308	0.011862	0.075020	0.000341	0.030433	0.027017
5	0.012115	0.005435	0.242326	0.024344	0.011879	0.075128	0.000342	0.030477	0.027054
10	0.012115	0.005433	0.242412	0.024365	0.011890	0.075194	0.000342	0.030504	0.027076
15	0.012122	0.005433	0.242565	0.024394	0.011904	0.075283	0.000342	0.030541	0.027102
20	0.012167	0.005450	0.243493	0.024506	0.011960	0.075636	0.000344	0.030685	0.027217
25	0.012229	0.005446	0.244886	0.024666	0.012042	0.076157	0.000346	0.030897	0.027375
30	0.012281	0.005271	0.246116	0.024803	0.012117	0.076641	0.000348	0.031098	0.027498
35	0.012329	0.004711	0.247406	0.024937	0.012197	0.077187	0.000350	0.031333	0.027591
40	0.012383	0.003809	0.248927	0.025081	0.012281	0.077845	0.000350	0.031659	0.027692
45	0.012444	0.002798	0.250510	0.025252	0.012361	0.078514	0.000352	0.032136	0.027786
50	0.012512	0.001855	0.251546	0.025367	0.012371	0.079066	0.000353	0.032826	0.027821
55	0.012583	0.001167	0.250871	0.025332	0.012218	0.078934	0.000346	0.033736	0.027702
60	0.012700	0.000703	0.246998	0.025033	0.011870	0.077012	0.000335	0.034964	0.027360
65	0.012863	0.000407	0.238615	0.024387	0.011242	0.072593	0.000322	0.036467	0.026717
70	0.013027	0.000218	0.224521	0.023315	0.010304	0.064802	0.000304	0.038026	0.025697
75	0.013219	0.000108	0.204156	0.021782	0.009138	0.053726	0.000275	0.039574	0.024290
80	0.013196	0.000047	0.178418	0.019795	0.007567	0.040810	0.000244	0.040647	0.022208
85	0.013031	0.000027	0.150385	0.017676	0.005826	0.028498	0.000233	0.040537	0.019392
90	0.012561	0.000025	0.121280	0.015356	0.004259	0.017963	0.000203	0.038183	0.016215
95	0.011635	0.000045	0.097221	0.012981	0.002969	0.011451	0.000249	0.034365	0.012705
100	0.010255	0.000000	0.075633	0.010488	0.001398	0.007808	0.000233	0.029250	0.009556

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11, I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10, I12)
0	0.015296	0.396257	0.311643	0.008148	0.235498	0.088388	0.065986	0.021597	0.006298
1	0.015414	0.399133	0.313908	0.008211	0.237297	0.089062	0.066375	0.021756	0.006345
5	0.015436	0.399642	0.314306	0.008223	0.237638	0.089190	0.066418	0.021784	0.006354
10	0.015449	0.399958	0.314556	0.008230	0.237845	0.089268	0.066453	0.021801	0.006360
15	0.015468	0.400378	0.314886	0.008240	0.238125	0.089373	0.066491	0.021826	0.006367
20	0.015541	0.402118	0.316247	0.008276	0.239235	0.089788	0.066698	0.021923	0.006396
25	0.015649	0.404657	0.318239	0.008325	0.240860	0.090398	0.067008	0.022071	0.006437
30	0.015750	0.406882	0.319983	0.008358	0.242333	0.090951	0.067236	0.022206	0.006471
35	0.015869	0.409157	0.321749	0.008367	0.243890	0.091526	0.067432	0.022362	0.006503
40	0.016035	0.411789	0.323745	0.008354	0.245679	0.092179	0.067647	0.022571	0.006543
45	0.016281	0.414713	0.325858	0.008276	0.247601	0.092816	0.067918	0.022868	0.006580
50	0.016652	0.417944	0.328008	0.008138	0.249493	0.093296	0.068313	0.023293	0.006619
55	0.017185	0.420979	0.329625	0.007927	0.250765	0.093392	0.068859	0.023867	0.006649
60	0.018018	0.424583	0.331169	0.007679	0.251721	0.093041	0.069693	0.024685	0.006719
65	0.019311	0.429841	0.333605	0.007440	0.253010	0.092353	0.071054	0.025895	0.006816
70	0.021259	0.438227	0.338011	0.007304	0.255322	0.091626	0.073252	0.027667	0.006993
75	0.024060	0.450283	0.345172	0.007336	0.258966	0.091018	0.076689	0.030202	0.007301
80	0.027498	0.466218	0.355766	0.007539	0.263773	0.090250	0.082219	0.034125	0.007736
85	0.030268	0.484919	0.369894	0.007978	0.269779	0.089145	0.089838	0.039621	0.008321
90	0.031397	0.504757	0.387439	0.008705	0.276904	0.086688	0.099448	0.047092	0.008943
95	0.028732	0.520606	0.404891	0.009473	0.283029	0.082553	0.109911	0.055509	0.009194
100	0.021093	0.528187	0.419807	0.008277	0.291605	0.076799	0.118057	0.062931	0.009323

See footnotes at end of table.

Table 16. Probability of eventually dying from specified causes, by exact age, for the male population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table16.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
0	0.060487	0.028007	0.055588	0.008405	0.011506	0.016649	0.002945	0.039798	0.016456
1	0.060918	0.028140	0.056004	0.008466	0.011593	0.016733	0.001517	0.039851	0.016541
5	0.060995	0.028151	0.056070	0.008476	0.011610	0.016753	0.001378	0.039365	0.016384
10	0.061040	0.028164	0.056107	0.008483	0.011620	0.016765	0.001330	0.039001	0.016189
15	0.061104	0.028186	0.056149	0.008490	0.011633	0.016782	0.001280	0.038550	0.015920
20	0.061374	0.028302	0.056388	0.008527	0.011687	0.016854	0.001216	0.036455	0.014303
25	0.061767	0.028465	0.056749	0.008578	0.011762	0.016957	0.001155	0.033728	0.012339
30	0.062115	0.028613	0.057085	0.008626	0.011812	0.017045	0.001103	0.031595	0.010998
35	0.062488	0.028769	0.057474	0.008679	0.011798	0.017136	0.001043	0.029650	0.009941
40	0.062947	0.028969	0.058006	0.008752	0.011604	0.017247	0.000989	0.027525	0.008949
45	0.063530	0.029250	0.058773	0.008856	0.011073	0.017395	0.000931	0.025244	0.007984
50	0.064308	0.029676	0.059831	0.009015	0.010038	0.017584	0.000867	0.023151	0.007108
55	0.065352	0.030302	0.061171	0.009241	0.008871	0.017837	0.000793	0.021574	0.006351
60	0.066906	0.031327	0.062617	0.009592	0.007661	0.018204	0.000718	0.020443	0.005658
65	0.069150	0.032929	0.063990	0.010149	0.006343	0.018714	0.000644	0.019728	0.005102
70	0.072486	0.035397	0.064485	0.010972	0.005007	0.019296	0.000590	0.019538	0.004666
75	0.076607	0.039094	0.063073	0.012147	0.003754	0.020166	0.000557	0.019856	0.004272
80	0.081033	0.044608	0.059726	0.013836	0.002647	0.021092	0.000543	0.020433	0.003733
85	0.084201	0.051934	0.054293	0.015896	0.001815	0.022274	0.000518	0.021179	0.003085
90	0.084435	0.062420	0.046845	0.018067	0.001159	0.023276	0.000506	0.021827	0.002123
95	0.079981	0.075314	0.040118	0.020116	0.000754	0.023695	0.000557	0.020921	0.001266
100	0.070505	0.095333	0.034262	0.019811	0.000466	0.023774	0.000816	0.021240	0.000467

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
0	0.023343	0.013882	0.006893	0.009157	0.006616	0.014035
1	0.023312	0.013989	0.006849	0.009227	0.006660	0.014139
5	0.022983	0.014009	0.006754	0.009240	0.006662	0.014143
10	0.022813	0.014019	0.006721	0.009248	0.006666	0.014132
15	0.022632	0.013935	0.006662	0.009258	0.006666	0.014035
20	0.022154	0.013348	0.005887	0.009289	0.006543	0.012948
25	0.021392	0.012384	0.004554	0.009326	0.006149	0.011158
30	0.020600	0.011444	0.003532	0.009323	0.005632	0.009761
35	0.019713	0.010502	0.002795	0.009231	0.004951	0.008718
40	0.018579	0.009493	0.002204	0.008907	0.003999	0.007818
45	0.017264	0.008467	0.001699	0.008246	0.002836	0.007000
50	0.016047	0.007474	0.001291	0.007171	0.001749	0.006250
55	0.015227	0.006617	0.000989	0.006018	0.001102	0.005582
60	0.014789	0.005863	0.000741	0.004828	0.000783	0.004971
65	0.014630	0.005330	0.000570	0.003588	0.000621	0.004494
70	0.014877	0.004859	0.000427	0.002509	0.000517	0.004063
75	0.015589	0.004362	0.000333	0.001681	0.000455	0.003590
80	0.016705	0.003755	0.000258	0.001026	0.000395	0.003000
85	0.018100	0.003045	0.000187	0.000636	0.000356	0.002347
90	0.019712	0.002164	0.000147	0.000376	0.000307	0.001575
95	0.019663	0.001354	0.000185	0.000265	0.000260	0.000961
100	0.020783	0.000816	0.000117	0.000233	0.000117	0.000350

0.000000 Quantity more than zero but less than 0.0000005.

[1] Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.

[2] Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.

[3] Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 17. Probability of eventually dying from specified causes, by exact age, for the female population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table17.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
0	0.014428	0.001760	0.203478	0.022982	0.011940	0.049453	0.030309	. . .	0.030192
1	0.014454	0.001769	0.204739	0.023127	0.012015	0.049764	0.030500	. . .	0.030382
5	0.014447	0.001767	0.204877	0.023154	0.012029	0.049821	0.030535	. . .	0.030415
10	0.014449	0.001763	0.204908	0.023170	0.012037	0.049856	0.030557	. . .	0.030434
15	0.014453	0.001759	0.204956	0.023188	0.012046	0.049896	0.030581	. . .	0.030453
20	0.014472	0.001753	0.205212	0.023231	0.012070	0.049994	0.030640	. . .	0.030502
25	0.014489	0.001712	0.205482	0.023278	0.012098	0.050108	0.030708	. . .	0.030548
30	0.014503	0.001584	0.205680	0.023322	0.012128	0.050235	0.030746	. . .	0.030581
35	0.014516	0.001334	0.205760	0.023364	0.012164	0.050388	0.030680	. . .	0.030617
40	0.014535	0.001022	0.205536	0.023405	0.012206	0.050536	0.030430	. . .	0.030663
45	0.014556	0.000686	0.204647	0.023420	0.012237	0.050564	0.029888	. . .	0.030713
50	0.014567	0.000428	0.202543	0.023342	0.012238	0.050384	0.028935	. . .	0.030715
55	0.014578	0.000270	0.198414	0.023147	0.012146	0.049624	0.027436	. . .	0.030576
60	0.014584	0.000175	0.191315	0.022821	0.011912	0.047573	0.025543	. . .	0.030210
65	0.014600	0.000101	0.180427	0.022229	0.011467	0.043795	0.023438	. . .	0.029476
70	0.014589	0.000052	0.165532	0.021396	0.010747	0.038097	0.021231	. . .	0.028255
75	0.014549	0.000028	0.145561	0.020164	0.009589	0.030425	0.018710	. . .	0.026459
80	0.014372	0.000016	0.121018	0.018500	0.008085	0.021673	0.015945	. . .	0.023889
85	0.014144	0.000012	0.094772	0.016437	0.006344	0.013683	0.013234	. . .	0.020660
90	0.013372	0.000015	0.070627	0.013780	0.004679	0.007936	0.010777	. . .	0.017209
95	0.012538	0.000013	0.051539	0.010611	0.003257	0.004535	0.008990	. . .	0.014184
100	0.011133	0.000022	0.035042	0.007069	0.002248	0.002789	0.007047	. . .	0.010614

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
0	0.031214	0.430358	0.315079	0.011694	0.219936	0.077893	0.079980	0.031090	0.009616
1	0.031410	0.432914	0.316937	0.011767	0.221313	0.078379	0.080366	0.031281	0.009677
5	0.031446	0.433353	0.317258	0.011781	0.221566	0.078469	0.080417	0.031314	0.009687
10	0.031469	0.433630	0.317459	0.011789	0.221723	0.078524	0.080452	0.031335	0.009694
15	0.031494	0.433924	0.317676	0.011798	0.221897	0.078586	0.080482	0.031357	0.009701
20	0.031556	0.434688	0.318229	0.011821	0.222331	0.078739	0.080574	0.031416	0.009719
25	0.031631	0.435542	0.318853	0.011845	0.222838	0.078917	0.080660	0.031487	0.009739
30	0.031716	0.436450	0.319513	0.011867	0.223402	0.079111	0.080732	0.031564	0.009760
35	0.031834	0.437617	0.320366	0.011886	0.224138	0.079362	0.080825	0.031673	0.009784
40	0.032016	0.439269	0.321586	0.011904	0.225176	0.079714	0.080989	0.031838	0.009822
45	0.032295	0.441525	0.323269	0.011912	0.226605	0.080172	0.081235	0.032083	0.009871
50	0.032705	0.444576	0.325535	0.011905	0.228477	0.080733	0.081635	0.032440	0.009930
55	0.033326	0.448747	0.328491	0.011911	0.230809	0.081362	0.082250	0.032947	0.010010
60	0.034310	0.454897	0.332681	0.011935	0.233960	0.082082	0.083272	0.033717	0.010141
65	0.035859	0.463738	0.338525	0.012060	0.238066	0.082779	0.084897	0.034866	0.010304
70	0.038188	0.475836	0.346515	0.012327	0.243463	0.083494	0.087254	0.036542	0.010533
75	0.041434	0.492475	0.357822	0.012794	0.250843	0.084354	0.090789	0.039012	0.010899
80	0.045489	0.513581	0.373198	0.013555	0.260412	0.084764	0.095985	0.042706	0.011322
85	0.049104	0.537337	0.392383	0.014622	0.271981	0.084005	0.102778	0.047971	0.011781
90	0.051190	0.559575	0.413211	0.015905	0.284681	0.081004	0.109860	0.054269	0.012362
95	0.049447	0.575690	0.432670	0.017222	0.297712	0.077035	0.115275	0.060600	0.013199
100	0.041506	0.588316	0.454569	0.017922	0.315176	0.073740	0.119374	0.064595	0.013770

See footnotes at end of table.

Table 17. Probability of eventually dying from specified causes, by exact age, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table17.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
0	0.087304	0.031570	0.050799	0.007165	0.006458	0.016191	0.002847	0.023608	0.008106
1	0.087830	0.031699	0.051110	0.007206	0.006499	0.016260	0.001516	0.023556	0.008116
5	0.087917	0.031706	0.051158	0.007211	0.006505	0.016275	0.001388	0.023206	0.007979
10	0.087973	0.031718	0.051185	0.007214	0.006510	0.016284	0.001342	0.022952	0.007821
15	0.088031	0.031733	0.051211	0.007218	0.006515	0.016294	0.001295	0.022697	0.007642
20	0.088190	0.031779	0.051294	0.007230	0.006525	0.016320	0.001252	0.021724	0.006778
25	0.088365	0.031827	0.051393	0.007243	0.006535	0.016341	0.001205	0.020900	0.006107
30	0.088552	0.031881	0.051500	0.007256	0.006539	0.016363	0.001157	0.020269	0.005652
35	0.088788	0.031956	0.051647	0.007273	0.006509	0.016387	0.001106	0.019642	0.005260
40	0.089104	0.032054	0.051869	0.007306	0.006378	0.016425	0.001058	0.018879	0.004829
45	0.089517	0.032222	0.052178	0.007350	0.006133	0.016481	0.001007	0.018109	0.004440
50	0.090078	0.032482	0.052578	0.007417	0.005780	0.016560	0.000949	0.017447	0.004084
55	0.090977	0.032901	0.053005	0.007515	0.005408	0.016642	0.000883	0.016948	0.003747
60	0.092454	0.033577	0.053206	0.007674	0.004971	0.016727	0.000797	0.016571	0.003397
65	0.094802	0.034644	0.052832	0.007929	0.004397	0.016785	0.000710	0.016378	0.003076
70	0.098106	0.036311	0.051184	0.008317	0.003734	0.016719	0.000639	0.016344	0.002740
75	0.102362	0.038691	0.047623	0.008846	0.002950	0.016587	0.000595	0.016431	0.002343
80	0.106820	0.042221	0.041962	0.009541	0.002033	0.016374	0.000536	0.016502	0.001808
85	0.109662	0.046792	0.034397	0.010331	0.001201	0.016033	0.000468	0.016481	0.001201
90	0.108633	0.052644	0.026443	0.011027	0.000614	0.015571	0.000405	0.016276	0.000628
95	0.101600	0.059392	0.021107	0.011264	0.000262	0.014913	0.000392	0.015712	0.000308
100	0.088156	0.070129	0.016710	0.011781	0.000108	0.013446	0.000303	0.014942	0.000108

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
0	0.015501	0.003216	0.002250	0.002798	0.003524	0.002220
1	0.015441	0.003237	0.002191	0.002815	0.003543	0.002232
5	0.015227	0.003240	0.002104	0.002818	0.003544	0.002221
10	0.015131	0.003242	0.002069	0.002820	0.003544	0.002209
15	0.015054	0.003216	0.002030	0.002822	0.003540	0.002180
20	0.014946	0.003085	0.001879	0.002824	0.003478	0.002036
25	0.014794	0.002930	0.001633	0.002824	0.003337	0.001832
30	0.014618	0.002737	0.001403	0.002815	0.003139	0.001636
35	0.014382	0.002505	0.001180	0.002760	0.002837	0.001440
40	0.014050	0.002225	0.000952	0.002605	0.002388	0.001221
45	0.013669	0.001898	0.000760	0.002345	0.001828	0.001020
50	0.013363	0.001572	0.000618	0.002006	0.001333	0.000847
55	0.013201	0.001257	0.000511	0.001674	0.000985	0.000687
60	0.013174	0.000990	0.000433	0.001339	0.000761	0.000542
65	0.013303	0.000789	0.000365	0.000987	0.000622	0.000423
70	0.013604	0.000641	0.000304	0.000698	0.000542	0.000324
75	0.014089	0.000510	0.000246	0.000478	0.000469	0.000238
80	0.014695	0.000372	0.000185	0.000294	0.000386	0.000158
85	0.015280	0.000253	0.000131	0.000172	0.000307	0.000096
90	0.015649	0.000162	0.000086	0.000104	0.000227	0.000043
95	0.015405	0.000078	0.000048	0.000081	0.000148	0.000016
100	0.014835	0.000000	0.000022	0.000065	0.000087	0.000000

. . . Category not applicable.

0.000000 Quantity more than zero but less than 0.0000005.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.

[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.

[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 18. Probability of eventually dying from specified causes, by exact age, for white males: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table18.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
0	0.011157	0.003181	0.240528	0.024123	0.011858	0.075034	0.000327	0.028265	0.025603
1	0.011166	0.003200	0.242025	0.024275	0.011933	0.075507	0.000329	0.028443	0.025764
5	0.011157	0.003203	0.242220	0.024307	0.011948	0.075605	0.000329	0.028480	0.025796
10	0.011155	0.003202	0.242287	0.024326	0.011958	0.075666	0.000330	0.028503	0.025815
15	0.011160	0.003203	0.242426	0.024353	0.011971	0.075750	0.000330	0.028535	0.025839
20	0.011199	0.003214	0.243287	0.024458	0.012024	0.076084	0.000332	0.028662	0.025941
25	0.011251	0.003213	0.244513	0.024603	0.012098	0.076556	0.000334	0.028840	0.026079
30	0.011294	0.003121	0.245571	0.024725	0.012164	0.076990	0.000336	0.029008	0.026186
35	0.011336	0.002781	0.246684	0.024843	0.012236	0.077481	0.000337	0.029206	0.026266
40	0.011384	0.002190	0.248008	0.024971	0.012311	0.078082	0.000338	0.029483	0.026355
45	0.011439	0.001577	0.249367	0.025123	0.012379	0.078696	0.000340	0.029889	0.026423
50	0.011510	0.001041	0.250148	0.025217	0.012371	0.079199	0.000341	0.030473	0.026454
55	0.011587	0.000646	0.249259	0.025153	0.012207	0.079043	0.000335	0.031250	0.026351
60	0.011715	0.000373	0.245190	0.024852	0.011853	0.077072	0.000324	0.032322	0.026067
65	0.011890	0.000215	0.236504	0.024184	0.011200	0.072521	0.000312	0.033699	0.025522
70	0.012080	0.000113	0.222096	0.023103	0.010252	0.064655	0.000291	0.035170	0.024629
75	0.012291	0.000059	0.201493	0.021523	0.009087	0.053495	0.000265	0.036718	0.023335
80	0.012293	0.000023	0.175642	0.019518	0.007503	0.040588	0.000231	0.037821	0.021400
85	0.012090	0.000013	0.147635	0.017424	0.005783	0.028300	0.000217	0.037865	0.018698
90	0.011594	0.000014	0.118423	0.015084	0.004200	0.017855	0.000191	0.035450	0.015499
95	0.010616	0.000034	0.093901	0.012510	0.002996	0.011330	0.000212	0.031253	0.012107
100	0.008569	0.000000	0.072356	0.010200	0.001360	0.006936	0.000272	0.026521	0.008841

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
0	0.016256	0.398811	0.315345	0.006821	0.240717	0.090830	0.065984	0.022159	0.005482
1	0.016359	0.401186	0.317223	0.006864	0.242228	0.091398	0.066298	0.022293	0.005516
5	0.016380	0.401652	0.317590	0.006873	0.242543	0.091517	0.066340	0.022319	0.005523
10	0.016394	0.401942	0.317822	0.006879	0.242736	0.091591	0.066372	0.022335	0.005527
15	0.016412	0.402341	0.318138	0.006886	0.243005	0.091692	0.066411	0.022358	0.005533
20	0.016485	0.403994	0.319444	0.006915	0.244068	0.092092	0.066616	0.022453	0.005557
25	0.016587	0.406311	0.321279	0.006954	0.245564	0.092655	0.066909	0.022591	0.005589
30	0.016684	0.408331	0.322877	0.006980	0.246907	0.093164	0.067130	0.022716	0.005617
35	0.016797	0.410432	0.324522	0.006990	0.248335	0.093693	0.067331	0.022863	0.005644
40	0.016957	0.412915	0.326405	0.006985	0.249975	0.094283	0.067572	0.023062	0.005683
45	0.017195	0.415680	0.328375	0.006938	0.251692	0.094835	0.067866	0.023345	0.005725
50	0.017550	0.418688	0.330297	0.006853	0.253262	0.095155	0.068291	0.023751	0.005775
55	0.018063	0.421575	0.331715	0.006721	0.254214	0.095069	0.068875	0.024306	0.005833
60	0.018876	0.425180	0.333214	0.006570	0.254944	0.094529	0.069781	0.025103	0.005925
65	0.020155	0.430632	0.335702	0.006432	0.256101	0.093601	0.071213	0.026303	0.006060
70	0.022099	0.439240	0.340210	0.006398	0.258297	0.092657	0.073513	0.028087	0.006275
75	0.024910	0.451651	0.347577	0.006518	0.261932	0.091846	0.077060	0.030636	0.006607
80	0.028358	0.467932	0.358388	0.006795	0.266728	0.090817	0.082745	0.034593	0.007056
85	0.031152	0.486911	0.372701	0.007300	0.272717	0.089410	0.090525	0.040214	0.007651
90	0.032404	0.507132	0.390484	0.008026	0.279743	0.086756	0.100493	0.047948	0.008262
95	0.029765	0.522169	0.407421	0.008488	0.285799	0.082105	0.110997	0.056695	0.008215
100	0.020809	0.529509	0.421111	0.006938	0.294343	0.076573	0.118469	0.063924	0.008296

See footnotes at end of table.

Table 18. Probability of eventually dying from specified causes, by exact age, for white males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table18.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
0	0.059535	0.028245	0.058295	0.008602	0.011784	0.015702	0.002924	0.040158	0.016682
1	0.059885	0.028361	0.058655	0.008652	0.011858	0.015767	0.001523	0.040200	0.016748
5	0.059953	0.028376	0.058723	0.008661	0.011873	0.015784	0.001400	0.039737	0.016601
10	0.059992	0.028386	0.058763	0.008667	0.011883	0.015794	0.001356	0.039414	0.016416
15	0.060051	0.028407	0.058815	0.008675	0.011896	0.015808	0.001308	0.038980	0.016144
20	0.060299	0.028517	0.059059	0.008709	0.011947	0.015872	0.001249	0.036746	0.014400
25	0.060644	0.028664	0.059407	0.008757	0.012018	0.015960	0.001190	0.033861	0.012353
30	0.060948	0.028801	0.059732	0.008801	0.012062	0.016037	0.001136	0.031659	0.011003
35	0.061279	0.028947	0.060113	0.008850	0.012039	0.016122	0.001073	0.029667	0.009945
40	0.061710	0.029135	0.060636	0.008918	0.011835	0.016228	0.001017	0.027496	0.008954
45	0.062274	0.029411	0.061380	0.009013	0.011297	0.016374	0.000959	0.025199	0.007984
50	0.063057	0.029819	0.062391	0.009159	0.010244	0.016582	0.000894	0.023165	0.007119
55	0.064129	0.030422	0.063670	0.009370	0.009092	0.016855	0.000816	0.021649	0.006364
60	0.065726	0.031406	0.065015	0.009700	0.007898	0.017247	0.000736	0.020563	0.005674
65	0.068098	0.032980	0.066234	0.010243	0.006553	0.017811	0.000653	0.019885	0.005130
70	0.071578	0.035430	0.066509	0.011060	0.005188	0.018489	0.000597	0.019727	0.004698
75	0.075902	0.039122	0.064787	0.012261	0.003895	0.019426	0.000562	0.020080	0.004311
80	0.080504	0.044628	0.061114	0.013979	0.002745	0.020412	0.000545	0.020711	0.003779
85	0.083772	0.052017	0.055342	0.016100	0.001866	0.021690	0.000516	0.021495	0.003123
90	0.084286	0.062631	0.047467	0.018345	0.001183	0.022813	0.000502	0.022165	0.002161
95	0.079867	0.076658	0.040555	0.020712	0.000811	0.023354	0.000520	0.021298	0.001284
100	0.072491	0.098747	0.034138	0.021353	0.000544	0.024074	0.000408	0.021794	0.000545

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
0	0.023478	0.015077	0.004229	0.009007	0.006610	0.012690
1	0.023454	0.015172	0.004180	0.009063	0.006647	0.012768
5	0.023137	0.015192	0.004110	0.009075	0.006650	0.012772
10	0.023000	0.015202	0.004079	0.009082	0.006654	0.012763
15	0.022838	0.015114	0.004034	0.009091	0.006652	0.012672
20	0.022349	0.014486	0.003640	0.009119	0.006501	0.011925
25	0.021511	0.013481	0.003011	0.009149	0.006046	0.010790
30	0.020660	0.012495	0.002487	0.009137	0.005481	0.009829
35	0.019725	0.011478	0.002055	0.009038	0.004753	0.009004
40	0.018545	0.010378	0.001655	0.008707	0.003768	0.008204
45	0.017218	0.009231	0.001299	0.008050	0.002614	0.007412
50	0.016050	0.008115	0.001010	0.006974	0.001602	0.006658
55	0.015289	0.007159	0.000785	0.005850	0.001035	0.005959
60	0.014893	0.006319	0.000589	0.004716	0.000753	0.005320
65	0.014760	0.005717	0.000452	0.003501	0.000616	0.004803
70	0.015033	0.005189	0.000343	0.002466	0.000518	0.004330
75	0.015774	0.004649	0.000270	0.001656	0.000457	0.003827
80	0.016938	0.003990	0.000207	0.001010	0.000396	0.003186
85	0.018379	0.003240	0.000154	0.000609	0.000347	0.002509
90	0.020012	0.002305	0.000112	0.000369	0.000294	0.001683
95	0.020023	0.001423	0.000135	0.000279	0.000185	0.001026
100	0.021260	0.000680	0.000000	0.000272	0.000000	0.000408

0.000000 Quantity more than zero but less than 0.0000005.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 19. Probability of eventually dying from specified causes, by exact age, for white females: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table19.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
0	0.013295	0.000668	0.205487	0.022710	0.011789	0.051251	0.030295	. . .	0.027290
1	0.013318	0.000671	0.206525	0.022827	0.011849	0.051515	0.030451	. . .	0.027430
5	0.013311	0.000670	0.206637	0.022850	0.011862	0.051568	0.030483	. . .	0.027456
10	0.013312	0.000668	0.206657	0.022866	0.011869	0.051602	0.030503	. . .	0.027473
15	0.013315	0.000665	0.206696	0.022883	0.011878	0.051641	0.030526	. . .	0.027489
20	0.013334	0.000664	0.206955	0.022925	0.011901	0.051742	0.030585	. . .	0.027536
25	0.013351	0.000653	0.207190	0.022966	0.011927	0.051851	0.030648	. . .	0.027576
30	0.013364	0.000608	0.207330	0.023003	0.011953	0.051966	0.030681	. . .	0.027602
35	0.013377	0.000516	0.207349	0.023036	0.011983	0.052100	0.030626	. . .	0.027624
40	0.013398	0.000391	0.207060	0.023069	0.012016	0.052225	0.030398	. . .	0.027651
45	0.013418	0.000262	0.206097	0.023070	0.012037	0.052216	0.029896	. . .	0.027677
50	0.013436	0.000162	0.203924	0.022989	0.012024	0.052012	0.029003	. . .	0.027667
55	0.013455	0.000107	0.199685	0.022802	0.011920	0.051186	0.027555	. . .	0.027564
60	0.013474	0.000066	0.192431	0.022486	0.011683	0.048994	0.025717	. . .	0.027289
65	0.013511	0.000038	0.181219	0.021900	0.011223	0.044975	0.023607	. . .	0.026701
70	0.013524	0.000021	0.165955	0.021081	0.010506	0.038978	0.021363	. . .	0.025715
75	0.013513	0.000013	0.145551	0.019872	0.009356	0.030976	0.018771	. . .	0.024245
80	0.013379	0.000010	0.120555	0.018231	0.007876	0.021935	0.015934	. . .	0.021998
85	0.013149	0.000009	0.093965	0.016208	0.006145	0.013713	0.013149	. . .	0.019098
90	0.012356	0.000011	0.069451	0.013510	0.004495	0.007853	0.010647	. . .	0.015896
95	0.011292	0.000005	0.050202	0.010274	0.003123	0.004370	0.008851	. . .	0.012981
100	0.009559	0.000025	0.033173	0.006610	0.001966	0.002654	0.006807	. . .	0.008920

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
0	0.032909	0.428609	0.314649	0.010305	0.220742	0.077956	0.080337	0.031805	0.008596
1	0.033078	0.430689	0.316164	0.010358	0.221872	0.078354	0.080654	0.031965	0.008640
5	0.033113	0.431086	0.316456	0.010369	0.222101	0.078435	0.080704	0.031995	0.008648
10	0.033135	0.431344	0.316645	0.010376	0.222248	0.078486	0.080738	0.032015	0.008654
15	0.033160	0.431626	0.316853	0.010383	0.222413	0.078545	0.080771	0.032037	0.008660
20	0.033225	0.432394	0.317412	0.010404	0.222847	0.078698	0.080870	0.032097	0.008676
25	0.033297	0.433192	0.318000	0.010424	0.223316	0.078863	0.080961	0.032165	0.008693
30	0.033376	0.434010	0.318603	0.010444	0.223816	0.079034	0.081041	0.032235	0.008710
35	0.033484	0.435059	0.319372	0.010468	0.224459	0.079251	0.081137	0.032333	0.008734
40	0.033652	0.436561	0.320480	0.010495	0.225364	0.079553	0.081310	0.032483	0.008771
45	0.033909	0.438682	0.322051	0.010524	0.226635	0.079957	0.081575	0.032710	0.008821
50	0.034289	0.441633	0.324219	0.010557	0.228340	0.080460	0.082000	0.033042	0.008884
55	0.034881	0.445790	0.327138	0.010613	0.230548	0.081054	0.082646	0.033530	0.008978
60	0.035834	0.452032	0.331394	0.010707	0.233624	0.081728	0.083726	0.034294	0.009127
65	0.037354	0.461181	0.337438	0.010896	0.237787	0.082413	0.085419	0.035434	0.009328
70	0.039659	0.473731	0.345771	0.011226	0.243352	0.083132	0.087878	0.037117	0.009606
75	0.042885	0.490920	0.357495	0.011785	0.250914	0.084021	0.091546	0.039628	0.010017
80	0.046939	0.512894	0.373558	0.012628	0.260872	0.084497	0.096953	0.043396	0.010507
85	0.050543	0.537396	0.393846	0.013756	0.272797	0.083745	0.103919	0.048777	0.011020
90	0.052626	0.560562	0.414989	0.015056	0.286035	0.080716	0.111250	0.055279	0.011641
95	0.050734	0.577266	0.435116	0.016256	0.299513	0.076467	0.117035	0.062004	0.012447
100	0.042731	0.591716	0.459566	0.016661	0.318961	0.072565	0.122102	0.067306	0.012876

See footnotes at end of table.

Table 19. Probability of eventually dying from specified causes, by exact age, for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table19.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
0	0.086744	0.032171	0.054467	0.007232	0.006580	0.014574	0.002822	0.024157	0.008316
1	0.087173	0.032288	0.054742	0.007266	0.006614	0.014627	0.001540	0.024116	0.008323
5	0.087251	0.032295	0.054790	0.007269	0.006620	0.014638	0.001425	0.023790	0.008196
10	0.087303	0.032307	0.054820	0.007272	0.006624	0.014646	0.001381	0.023552	0.008044
15	0.087358	0.032321	0.054851	0.007276	0.006629	0.014655	0.001339	0.023298	0.007858
20	0.087518	0.032369	0.054945	0.007288	0.006640	0.014680	0.001299	0.022231	0.006903
25	0.087678	0.032418	0.055048	0.007301	0.006652	0.014697	0.001253	0.021376	0.006217
30	0.087840	0.032467	0.055157	0.007311	0.006658	0.014716	0.001205	0.020725	0.005753
35	0.088049	0.032533	0.055303	0.007326	0.006628	0.014737	0.001151	0.020088	0.005356
40	0.088337	0.032621	0.055522	0.007355	0.006494	0.014776	0.001104	0.019311	0.004917
45	0.088737	0.032777	0.055820	0.007392	0.006254	0.014832	0.001050	0.018535	0.004521
50	0.089303	0.033015	0.056211	0.007452	0.005919	0.014912	0.000988	0.017874	0.004165
55	0.090225	0.033403	0.056614	0.007541	0.005562	0.015013	0.000917	0.017378	0.003833
60	0.091719	0.034046	0.056759	0.007689	0.005137	0.015147	0.000825	0.016982	0.003477
65	0.094143	0.035089	0.056206	0.007929	0.004560	0.015289	0.000733	0.016789	0.003146
70	0.097529	0.036714	0.054220	0.008300	0.003876	0.015365	0.000656	0.016742	0.002803
75	0.101906	0.039065	0.050179	0.008820	0.003056	0.015388	0.000612	0.016853	0.002407
80	0.106509	0.042557	0.043920	0.009484	0.002089	0.015277	0.000550	0.016916	0.001850
85	0.109476	0.047114	0.035748	0.010265	0.001228	0.015026	0.000478	0.016884	0.001224
90	0.108560	0.052966	0.027253	0.010919	0.000626	0.014590	0.000410	0.016673	0.000630
95	0.101441	0.059851	0.021798	0.011106	0.000267	0.013918	0.000392	0.016146	0.000318
100	0.087404	0.070990	0.017250	0.011500	0.000123	0.012041	0.000319	0.015460	0.000123

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
0	0.015840	0.003541	0.001757	0.002713	0.003646	0.002151
1	0.015793	0.003559	0.001716	0.002727	0.003662	0.002160
5	0.015593	0.003563	0.001655	0.002730	0.003664	0.002153
10	0.015508	0.003565	0.001626	0.002732	0.003664	0.002142
15	0.015440	0.003536	0.001592	0.002733	0.003659	0.002115
20	0.015327	0.003399	0.001486	0.002735	0.003590	0.001998
25	0.015160	0.003237	0.001307	0.002736	0.003428	0.001837
30	0.014972	0.003033	0.001144	0.002728	0.003207	0.001673
35	0.014732	0.002775	0.000976	0.002675	0.002894	0.001492
40	0.014394	0.002454	0.000811	0.002523	0.002434	0.001280
45	0.014014	0.002086	0.000668	0.002273	0.001880	0.001084
50	0.013709	0.001718	0.000553	0.001953	0.001388	0.000907
55	0.013546	0.001362	0.000463	0.001645	0.001040	0.000740
60	0.013506	0.001064	0.000391	0.001325	0.000801	0.000580
65	0.013643	0.000837	0.000331	0.000986	0.000650	0.000449
70	0.013939	0.000676	0.000275	0.000697	0.000565	0.000341
75	0.014447	0.000531	0.000221	0.000472	0.000484	0.000247
80	0.015067	0.000381	0.000168	0.000287	0.000388	0.000164
85	0.015661	0.000262	0.000124	0.000169	0.000300	0.000100
90	0.016044	0.000170	0.000079	0.000105	0.000224	0.000045
95	0.015829	0.000081	0.000044	0.000089	0.000136	0.000013
100	0.015338	0.000000	0.000025	0.000074	0.000074	0.000000

. . . Category not applicable.

0.000000 Quantity more than zero but less than 0.0000005.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.

[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.

[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 20. Probability of eventually dying from specified causes, by exact age, for black males: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table20.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
0	0.019962	0.022732	0.247046	0.024688	0.011581	0.075160	0.000469	0.047491	0.035789
1	0.020085	0.023073	0.250958	0.025080	0.011765	0.076352	0.000476	0.048245	0.036355
5	0.020091	0.023098	0.251420	0.025136	0.011791	0.076521	0.000477	0.048352	0.036435
10	0.020109	0.023105	0.251624	0.025168	0.011806	0.076618	0.000478	0.048415	0.036479
15	0.020135	0.023117	0.251884	0.025210	0.011826	0.076744	0.000479	0.048495	0.036526
20	0.020252	0.023233	0.253328	0.025376	0.011905	0.077257	0.000482	0.048822	0.036751
25	0.020450	0.023336	0.256072	0.025663	0.012051	0.078195	0.000488	0.049417	0.037129
30	0.020630	0.022712	0.258796	0.025946	0.012194	0.079138	0.000491	0.050021	0.037440
35	0.020798	0.020660	0.261727	0.026225	0.012346	0.080208	0.000495	0.050715	0.037705
40	0.020994	0.017510	0.265174	0.026524	0.012513	0.081448	0.000492	0.051647	0.038005
45	0.021256	0.013558	0.269184	0.026895	0.012716	0.082740	0.000493	0.053063	0.038448
50	0.021562	0.009405	0.273245	0.027261	0.012875	0.083966	0.000502	0.055262	0.038795
55	0.021914	0.006163	0.275393	0.027559	0.012789	0.084153	0.000492	0.058298	0.038940
60	0.022367	0.003938	0.274040	0.027378	0.012447	0.082415	0.000484	0.062353	0.038586
65	0.022961	0.002430	0.268840	0.027010	0.011994	0.078345	0.000463	0.066914	0.037743
70	0.023651	0.001420	0.258052	0.026127	0.011092	0.069989	0.000477	0.071783	0.036258
75	0.024541	0.000704	0.241166	0.025220	0.009876	0.058798	0.000439	0.076053	0.034396
80	0.025061	0.000342	0.218262	0.023454	0.008247	0.044837	0.000446	0.079751	0.031511
85	0.025683	0.000181	0.190736	0.020982	0.006238	0.032088	0.000476	0.078621	0.027358
90	0.024586	0.000164	0.159460	0.018446	0.004738	0.019073	0.000394	0.074936	0.023753
95	0.022344	0.000176	0.132312	0.016818	0.003068	0.012158	0.000706	0.067122	0.015828
100	0.023023	0.000000	0.103612	0.011512	0.001919	0.014391	0.000000	0.051803	0.013431

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
0	0.007759	0.370472	0.282852	0.018752	0.194259	0.070381	0.066519	0.017239	0.012413
1	0.007882	0.376050	0.287126	0.019049	0.197333	0.071494	0.067374	0.017498	0.012609
5	0.007899	0.376773	0.287666	0.019092	0.197770	0.071652	0.067428	0.017532	0.012635
10	0.007909	0.377211	0.287991	0.019116	0.198019	0.071740	0.067476	0.017551	0.012652
15	0.007923	0.377747	0.288052	0.019148	0.198344	0.071857	0.067519	0.017579	0.012672
20	0.007976	0.380015	0.290086	0.019271	0.199660	0.072334	0.067754	0.017687	0.012757
25	0.008073	0.384096	0.293153	0.019467	0.202025	0.073190	0.068231	0.017888	0.012897
30	0.008172	0.387864	0.295965	0.019635	0.204322	0.074013	0.068548	0.018073	0.013028
35	0.008285	0.391549	0.298677	0.019734	0.206725	0.074879	0.068754	0.018290	0.013154
40	0.008438	0.395467	0.301549	0.019779	0.209444	0.075888	0.068863	0.018559	0.013278
45	0.008675	0.399756	0.304690	0.019643	0.212605	0.076991	0.069014	0.018947	0.013387
50	0.009055	0.404846	0.308375	0.019320	0.216431	0.078358	0.069244	0.019495	0.013514
55	0.009619	0.409064	0.311113	0.018735	0.219490	0.079500	0.069514	0.020205	0.013528
60	0.010480	0.412455	0.312221	0.017975	0.221176	0.080083	0.069753	0.021169	0.013670
65	0.011746	0.415753	0.313067	0.017293	0.221985	0.080546	0.070489	0.022487	0.013777
70	0.013588	0.422108	0.315617	0.016750	0.223762	0.081078	0.071846	0.024203	0.014041
75	0.016147	0.429994	0.319087	0.016428	0.225073	0.081532	0.074358	0.026623	0.014642
80	0.019199	0.441644	0.326341	0.016454	0.228285	0.083162	0.078252	0.030148	0.015437
85	0.021858	0.456711	0.337573	0.016318	0.233555	0.085080	0.083994	0.034760	0.016115
90	0.021985	0.473876	0.353960	0.016470	0.244105	0.085604	0.089358	0.039525	0.016454
95	0.021286	0.503966	0.381212	0.018060	0.256087	0.086717	0.101771	0.046728	0.018189
100	0.023023	0.523924	0.416471	0.016320	0.277345	0.081550	0.117999	0.058528	0.015349

See footnotes at end of table.

Table 20. Probability of eventually dying from specified causes, by exact age, for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table20.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
0	0.062455	0.023105	0.034533	0.006635	0.010142	0.023825	0.003279	0.040338	0.016546
1	0.063369	0.023289	0.035057	0.006739	0.010300	0.024098	0.001549	0.040485	0.016760
5	0.063496	0.023278	0.035089	0.006750	0.010323	0.024146	0.001324	0.039840	0.016555
10	0.063575	0.023296	0.035094	0.006759	0.010335	0.024175	0.001258	0.039244	0.016295
15	0.063667	0.023324	0.035072	0.006766	0.010351	0.024212	0.001191	0.038668	0.016012
20	0.064076	0.023456	0.035227	0.006809	0.010418	0.024363	0.001084	0.037111	0.014887
25	0.064809	0.023688	0.035564	0.006877	0.010534	0.024630	0.001006	0.034867	0.013119
30	0.065502	0.023887	0.035880	0.006946	0.010628	0.024863	0.000953	0.032726	0.011590
35	0.066225	0.024089	0.036224	0.007022	0.010706	0.025078	0.000890	0.030690	0.010344
40	0.066995	0.024332	0.036701	0.007117	0.010606	0.025317	0.000830	0.028494	0.009227
45	0.067868	0.024602	0.037437	0.007270	0.010119	0.025634	0.000754	0.025817	0.008101
50	0.068867	0.025069	0.038540	0.007515	0.009035	0.025916	0.000683	0.022841	0.007004
55	0.070008	0.025792	0.039978	0.007840	0.007520	0.026340	0.000620	0.020432	0.006113
60	0.071680	0.027013	0.041627	0.008377	0.005985	0.026969	0.000574	0.018652	0.005285
65	0.073513	0.028758	0.043242	0.009069	0.004674	0.027615	0.000550	0.017453	0.004579
70	0.076202	0.031340	0.044252	0.010016	0.003276	0.028044	0.000524	0.016780	0.004056
75	0.079017	0.034752	0.044219	0.010920	0.002168	0.028975	0.000513	0.016608	0.003645
80	0.081660	0.039657	0.042948	0.012150	0.001376	0.029969	0.000524	0.016487	0.003094
85	0.083796	0.045904	0.040596	0.013629	0.001006	0.030106	0.000572	0.016839	0.002677
90	0.081226	0.055126	0.038476	0.015298	0.000679	0.029348	0.000604	0.017910	0.001886
95	0.077889	0.059277	0.035078	0.015372	0.000000	0.027813	0.001019	0.017043	0.001413
100	0.056606	0.069078	0.028781	0.010552	0.000000	0.023023	0.003837	0.017288	0.000000

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
0	0.023793	0.006858	0.024209	0.010983	0.008900	0.023638
1	0.023727	0.006967	0.024372	0.011157	0.009022	0.024004
5	0.023286	0.006983	0.024163	0.011181	0.009026	0.024021
10	0.022950	0.006990	0.024126	0.011196	0.009036	0.024009
15	0.022657	0.006915	0.024007	0.011213	0.009047	0.023879
20	0.022225	0.006510	0.021158	0.011279	0.009054	0.020839
25	0.021750	0.005596	0.015541	0.011393	0.008904	0.014888
30	0.021138	0.004777	0.011224	0.011479	0.008509	0.010428
35	0.020349	0.004091	0.008423	0.011501	0.007916	0.007689
40	0.019270	0.003454	0.006472	0.011291	0.006902	0.005876
45	0.017719	0.002958	0.004912	0.010680	0.005357	0.004643
50	0.015839	0.002525	0.003646	0.009528	0.003383	0.003676
55	0.014321	0.002182	0.002757	0.008019	0.001879	0.003001
60	0.013369	0.001891	0.002123	0.006281	0.001157	0.002445
65	0.012875	0.001720	0.001731	0.004723	0.000732	0.002111
70	0.012726	0.001508	0.001304	0.003108	0.000545	0.001827
75	0.012965	0.001214	0.001033	0.002014	0.000456	0.001421
80	0.013397	0.000981	0.000823	0.001208	0.000421	0.001136
85	0.014165	0.000715	0.000599	0.000872	0.000530	0.000710
90	0.016028	0.000548	0.000615	0.000477	0.000465	0.000537
95	0.015634	0.000387	0.000741	0.000177	0.000918	0.000353
100	0.017293	0.000960	0.000960	0.000000	0.000961	0.000000

0.000000 Quantity more than zero but less than 0.0000005.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 21. Probability of eventually dying from specified causes, by exact age, for black females: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table21.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
0	0.024400	0.009076	0.197778	0.025966	0.013411	0.039954	0.033024	. . .	0.052743
1	0.024541	0.009184	0.200315	0.026301	0.013583	0.040471	0.033451	. . .	0.053425
5	0.024553	0.009185	0.200585	0.026347	0.013607	0.040542	0.033509	. . .	0.053518
10	0.024568	0.009175	0.200668	0.026372	0.013620	0.040581	0.033541	. . .	0.053564
15	0.024582	0.009164	0.200760	0.026400	0.013634	0.040623	0.033575	. . .	0.053606
20	0.024616	0.009140	0.201032	0.026454	0.013664	0.040709	0.033647	. . .	0.053695
25	0.024669	0.008943	0.201515	0.026544	0.013713	0.040850	0.033754	. . .	0.053824
30	0.024728	0.008337	0.202047	0.026647	0.013774	0.041042	0.033831	. . .	0.053967
35	0.024794	0.007130	0.202538	0.026769	0.013860	0.041297	0.033708	. . .	0.054181
40	0.024880	0.005642	0.202719	0.026903	0.013973	0.041553	0.033327	. . .	0.054506
45	0.025032	0.003950	0.202254	0.027066	0.014100	0.041713	0.032500	. . .	0.054962
50	0.025168	0.002583	0.200434	0.027082	0.014217	0.041561	0.031080	. . .	0.055420
55	0.025351	0.001631	0.196553	0.026931	0.014234	0.040907	0.029019	. . .	0.055483
60	0.025561	0.001099	0.189666	0.026639	0.014072	0.039222	0.026472	. . .	0.055066
65	0.025808	0.000670	0.179575	0.025989	0.013769	0.036117	0.024151	. . .	0.054051
70	0.026152	0.000355	0.165596	0.025150	0.013078	0.031395	0.021858	. . .	0.052019
75	0.026486	0.000187	0.147485	0.023851	0.011879	0.025177	0.019627	. . .	0.048685
80	0.026639	0.000081	0.126830	0.022120	0.010403	0.018213	0.017284	. . .	0.044343
85	0.026810	0.000054	0.104765	0.019701	0.008673	0.012630	0.015159	. . .	0.038674
90	0.026368	0.000078	0.085049	0.017381	0.006990	0.008348	0.013204	. . .	0.032730
95	0.026554	0.000096	0.065982	0.014300	0.004704	0.005904	0.011465	. . .	0.026808
100	0.024966	0.000000	0.049732	0.010671	0.004429	0.003624	0.009664	. . .	0.024363

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
0	0.017671	0.437852	0.317509	0.022800	0.212627	0.078357	0.077159	0.025361	0.017508
1	0.017899	0.443228	0.321382	0.023095	0.215365	0.079366	0.077934	0.025682	0.017734
5	0.017931	0.443895	0.321861	0.023135	0.215742	0.079506	0.077988	0.025723	0.017766
10	0.017948	0.444267	0.322127	0.023156	0.215946	0.079581	0.078025	0.025745	0.017782
15	0.017967	0.444641	0.322397	0.023180	0.216164	0.079660	0.078049	0.025769	0.017800
20	0.018006	0.445436	0.322962	0.023227	0.216626	0.079829	0.078100	0.025817	0.017833
25	0.018071	0.446676	0.323837	0.023299	0.217368	0.080097	0.078151	0.025898	0.017890
30	0.018159	0.448225	0.324916	0.023368	0.218352	0.080453	0.078172	0.026005	0.017958
35	0.018287	0.450269	0.326372	0.023417	0.219702	0.080937	0.078225	0.026165	0.018028
40	0.018486	0.453122	0.328456	0.023458	0.221627	0.081637	0.078347	0.026409	0.018136
45	0.018802	0.456654	0.331109	0.023458	0.224196	0.082512	0.078453	0.026746	0.018277
50	0.019268	0.460994	0.334359	0.023338	0.227353	0.083546	0.078661	0.027235	0.018453
55	0.019951	0.466185	0.338072	0.023181	0.230836	0.084551	0.079049	0.027864	0.018611
60	0.020997	0.472767	0.342330	0.022922	0.234813	0.085725	0.079647	0.028644	0.018833
65	0.022556	0.481000	0.347477	0.022928	0.238868	0.086630	0.080758	0.029820	0.019034
70	0.024824	0.491777	0.353697	0.023227	0.243362	0.087473	0.082237	0.031401	0.019339
75	0.027898	0.505704	0.362153	0.023474	0.249522	0.088262	0.084363	0.033402	0.019812
80	0.031210	0.519544	0.371081	0.024017	0.255498	0.088451	0.086860	0.036104	0.020082
85	0.034065	0.535699	0.383072	0.024905	0.262573	0.087618	0.091059	0.039688	0.020514
90	0.035590	0.547262	0.393998	0.026081	0.269386	0.085192	0.094381	0.043296	0.020729
95	0.037002	0.559451	0.409536	0.027555	0.281042	0.083445	0.096832	0.047031	0.020903
100	0.032623	0.558982	0.416428	0.028194	0.286952	0.082359	0.097256	0.044093	0.020738

See footnotes at end of table.

Table 21. Probability of eventually dying from specified causes, by exact age, for black females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table21.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
0	0.086525	0.024683	0.024356	0.006603	0.005286	0.028984	0.003105	0.019429	0.006659
1	0.087594	0.024826	0.024644	0.006683	0.005354	0.029263	0.001436	0.019282	0.006681
5	0.087722	0.024828	0.024668	0.006691	0.005361	0.029311	0.001247	0.018790	0.006490
10	0.087798	0.024841	0.024667	0.006696	0.005366	0.029332	0.001192	0.018446	0.006300
15	0.087870	0.024858	0.024648	0.006700	0.005372	0.029355	0.001118	0.018176	0.006146
20	0.088033	0.024889	0.024664	0.006712	0.005377	0.029404	0.001063	0.017568	0.005630
25	0.088293	0.024922	0.024695	0.006725	0.005379	0.029475	0.001004	0.016826	0.004995
30	0.088634	0.024986	0.024726	0.006748	0.005372	0.029556	0.000947	0.016207	0.004542
35	0.089061	0.025080	0.024782	0.006781	0.005353	0.029658	0.000902	0.015533	0.004153
40	0.089589	0.025195	0.024866	0.006833	0.005255	0.029789	0.000835	0.014726	0.003731
45	0.090161	0.025389	0.024998	0.006918	0.004971	0.030009	0.000794	0.013835	0.003352
50	0.090826	0.025696	0.025105	0.007033	0.004474	0.030312	0.000735	0.013018	0.002978
55	0.091784	0.026245	0.025197	0.007210	0.003970	0.030539	0.000691	0.012381	0.002618
60	0.093474	0.027048	0.025062	0.007468	0.003394	0.030677	0.000616	0.012029	0.002313
65	0.095816	0.028179	0.024823	0.007851	0.002784	0.030630	0.000545	0.011765	0.002076
70	0.099266	0.030059	0.024059	0.008423	0.002215	0.030061	0.000498	0.011660	0.001793
75	0.103178	0.032518	0.022646	0.009078	0.001724	0.029302	0.000432	0.011402	0.001377
80	0.106743	0.036120	0.020618	0.010083	0.001270	0.028850	0.000388	0.011376	0.001115
85	0.108919	0.040550	0.018229	0.010954	0.000838	0.028055	0.000373	0.011273	0.000757
90	0.106865	0.046046	0.015911	0.012126	0.000540	0.027507	0.000392	0.011238	0.000481
95	0.101098	0.051545	0.012802	0.012619	0.000239	0.026123	0.000442	0.010867	0.000144
100	0.091414	0.061214	0.011275	0.012282	0.000000	0.024966	0.000201	0.010876	0.000000

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
0	0.012769	0.001264	0.005159	0.003337	0.003589	0.002803
1	0.012600	0.001280	0.005025	0.003381	0.003627	0.002837
5	0.012299	0.001282	0.004801	0.003385	0.003623	0.002811
10	0.012145	0.001284	0.004743	0.003389	0.003621	0.002794
15	0.012028	0.001264	0.004677	0.003392	0.003622	0.002754
20	0.011937	0.001194	0.004271	0.003397	0.003596	0.002454
25	0.011830	0.001090	0.003661	0.003404	0.003532	0.002004
30	0.011664	0.000974	0.003053	0.003405	0.003406	0.001602
35	0.011379	0.000860	0.002517	0.003353	0.003078	0.001286
40	0.010994	0.000758	0.001906	0.003227	0.002569	0.000972
45	0.010482	0.000606	0.001408	0.002925	0.001818	0.000704
50	0.010038	0.000486	0.001085	0.002458	0.001154	0.000515
55	0.009762	0.000383	0.000875	0.001958	0.000686	0.000376
60	0.009715	0.000307	0.000753	0.001511	0.000506	0.000309
65	0.009688	0.000258	0.000635	0.001038	0.000421	0.000245
70	0.009866	0.000204	0.000558	0.000715	0.000369	0.000197
75	0.010024	0.000171	0.000490	0.000526	0.000353	0.000163
80	0.010259	0.000142	0.000375	0.000344	0.000369	0.000115
85	0.010513	0.000079	0.000218	0.000210	0.000391	0.000058
90	0.010755	0.000057	0.000169	0.000091	0.000294	0.000021
95	0.010721	0.000048	0.000096	0.000000	0.000299	0.000048
100	0.010874	0.000000	0.000000	0.000000	0.000201	0.000000

. . . Category not applicable.

0.000000 Quantity more than zero but less than 0.0000005.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.

[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.

[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 22. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the total population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table22.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
				Gain in years for entire cohort					
0	0.14	0.12	3.20	0.28	0.15	0.85	0.23	0.12	0.34
1	0.14	0.12	3.22	0.28	0.15	0.86	0.24	0.12	0.34
5	0.14	0.12	3.22	0.28	0.15	0.86	0.24	0.12	0.34
10	0.14	0.12	3.21	0.28	0.15	0.86	0.24	0.12	0.34
15	0.14	0.12	3.20	0.28	0.15	0.86	0.24	0.12	0.34
20	0.14	0.12	3.20	0.28	0.15	0.86	0.24	0.12	0.35
25	0.14	0.12	3.20	0.28	0.15	0.87	0.24	0.12	0.35
30	0.14	0.11	3.20	0.28	0.15	0.87	0.24	0.13	0.34
35	0.13	0.09	3.19	0.28	0.15	0.87	0.23	0.13	0.34
40	0.13	0.07	3.16	0.28	0.15	0.88	0.23	0.13	0.34
45	0.13	0.04	3.10	0.28	0.15	0.87	0.22	0.13	0.33
50	0.13	0.03	2.99	0.27	0.15	0.85	0.20	0.13	0.32
55	0.12	0.01	2.81	0.25	0.14	0.81	0.17	0.13	0.31
60	0.11	0.01	2.53	0.23	0.13	0.73	0.15	0.13	0.28
65	0.11	0.00	2.17	0.20	0.11	0.61	0.12	0.13	0.25
70	0.10	0.00	1.74	0.17	0.09	0.46	0.10	0.12	0.21
75	0.09	0.00	1.30	0.14	0.07	0.31	0.07	0.10	0.17
80	0.07	0.00	0.87	0.10	0.04	0.18	0.05	0.08	0.13
85	0.06	0.00	0.52	0.07	0.03	0.08	0.04	0.06	0.09
90	0.04	0.00	0.28	0.04	0.01	0.03	0.02	0.03	0.05
95	0.03	0.00	0.14	0.02	0.01	0.01	0.02	0.02	0.03
100	0.03	0.00	0.10	0.02	0.00	0.01	0.01	0.01	0.02
			Gain in years for those who would have died from the specified cause						
0	10.85	34.70	14.56	11.86	12.56	13.93	14.65	8.95	11.98
1	10.49	34.67	14.55	11.86	12.56	13.93	14.65	8.95	11.97
5	10.36	34.62	14.52	11.86	12.56	13.93	14.65	8.95	11.97
10	10.32	34.56	14.49	11.86	12.56	13.93	14.65	8.95	11.97
15	10.29	34.51	14.46	11.86	12.56	13.93	14.65	8.95	11.96
20	10.25	34.44	14.42	11.85	12.56	13.93	14.65	8.95	11.94
25	10.18	34.18	14.37	11.83	12.55	13.93	14.65	8.95	11.89
30	10.11	33.35	14.31	11.80	12.54	13.92	14.60	8.95	11.82
35	9.99	31.56	14.21	11.73	12.51	13.90	14.42	8.95	11.71
40	9.83	29.02	14.04	11.60	12.43	13.84	14.07	8.95	11.55
45	9.60	25.95	13.76	11.39	12.25	13.66	13.48	8.94	11.31
50	9.27	22.53	13.31	11.03	11.90	13.35	12.66	8.90	10.96
55	8.86	19.25	12.65	10.50	11.33	12.82	11.59	8.79	10.44
60	8.34	16.27	11.72	9.78	10.52	11.93	10.36	8.56	9.74
65	7.70	13.40	10.53	8.84	9.48	10.73	9.09	8.12	8.84
70	6.94	10.73	9.16	7.78	8.29	9.28	7.84	7.44	7.80
75	6.08	8.18	7.67	6.62	7.00	7.69	6.58	6.55	6.67
80	5.09	5.72	6.13	5.41	5.64	6.07	5.32	5.48	5.46
85	4.07	3.91	4.66	4.23	4.32	4.56	4.14	4.31	4.24
90	3.06	2.92	3.35	3.13	3.14	3.22	3.06	3.15	3.12
95	2.23	2.20	2.35	2.22	2.21	2.21	2.22	2.21	2.23
100	2.29	2.27	2.37	2.29	2.27	2.28	2.28	2.28	2.29

See footnotes at end of table.

Table 22. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the total population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table22.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
			Gain in years for entire cohort						
0	0.14	5.48	3.71	0.11	2.46	0.87	0.72	0.19	0.07
1	0.14	5.51	3.73	0.11	2.47	0.87	0.71	0.19	0.07
5	0.14	5.51	3.73	0.11	2.48	0.87	0.71	0.19	0.07
10	0.14	5.51	3.73	0.11	2.48	0.87	0.71	0.19	0.07
15	0.14	5.51	3.73	0.11	2.48	0.87	0.71	0.19	0.07
20	0.15	5.52	3.74	0.11	2.49	0.88	0.70	0.19	0.07
25	0.15	5.53	3.75	0.11	2.50	0.88	0.70	0.19	0.07
30	0.15	5.54	3.75	0.11	2.51	0.88	0.69	0.19	0.07
35	0.15	5.54	3.75	0.11	2.51	0.88	0.69	0.19	0.07
40	0.15	5.53	3.73	0.10	2.51	0.88	0.67	0.19	0.07
45	0.15	5.49	3.70	0.10	2.49	0.87	0.66	0.19	0.07
50	0.15	5.42	3.63	0.09	2.46	0.86	0.64	0.19	0.07
55	0.16	5.31	3.54	0.09	2.39	0.82	0.62	0.19	0.07
60	0.16	5.17	3.40	0.08	2.28	0.77	0.60	0.19	0.06
65	0.17	4.98	3.22	0.07	2.15	0.71	0.57	0.19	0.06
70	0.18	4.78	3.03	0.06	1.99	0.64	0.54	0.19	0.06
75	0.19	4.54	2.82	0.06	1.82	0.56	0.50	0.19	0.05
80	0.19	4.25	2.58	0.05	1.62	0.47	0.46	0.18	0.05
85	0.17	3.90	2.31	0.05	1.39	0.37	0.42	0.18	0.04
90	0.14	3.49	2.02	0.04	1.16	0.27	0.35	0.16	0.03
95	0.10	3.11	1.78	0.04	0.97	0.19	0.29	0.14	0.03
100	0.09	3.12	1.85	0.04	1.03	0.18	0.31	0.16	0.03
			Gain in years for those who would have died from the specified cause						
0	6.00	13.21	11.83	10.47	10.80	10.45	9.75	6.96	8.83
1	6.00	13.18	11.81	10.47	10.80	10.45	9.64	6.95	8.83
5	6.00	13.17	11.80	10.47	10.80	10.45	9.60	6.94	8.83
10	6.00	13.17	11.79	10.47	10.80	10.45	9.58	6.93	8.83
15	6.00	13.16	11.78	10.47	10.80	10.44	9.55	6.93	8.82
20	6.00	13.15	11.77	10.46	10.79	10.44	9.49	6.92	8.82
25	6.00	13.12	11.74	10.43	10.79	10.44	9.41	6.91	8.80
30	6.00	13.09	11.71	10.37	10.78	10.42	9.31	6.90	8.76
35	6.00	13.03	11.65	10.24	10.75	10.39	9.18	6.89	8.70
40	6.00	12.93	11.55	10.01	10.68	10.31	9.01	6.86	8.61
45	6.00	12.76	11.37	9.62	10.53	10.15	8.78	6.82	8.44
50	5.99	12.51	11.10	9.09	10.29	9.88	8.50	6.75	8.19
55	5.98	12.16	10.73	8.46	9.93	9.47	8.15	6.63	7.85
60	5.95	11.68	10.21	7.72	9.41	8.89	7.72	6.44	7.44
65	5.87	11.08	9.57	6.95	8.76	8.15	7.19	6.16	6.90
70	5.71	10.37	8.83	6.21	8.01	7.31	6.59	5.79	6.28
75	5.41	9.55	7.99	5.47	7.15	6.39	5.89	5.30	5.60
80	4.85	8.57	7.03	4.68	6.17	5.37	5.10	4.67	4.79
85	4.04	7.49	6.00	3.84	5.13	4.31	4.22	3.91	3.89
90	3.13	6.40	4.97	2.98	4.11	3.26	3.31	3.09	2.99
95	2.32	5.52	4.16	2.25	3.30	2.42	2.54	2.37	2.24
100	2.36	5.39	4.12	2.31	3.30	2.45	2.58	2.43	2.30

See footnotes at end of table.

Table 22. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the total population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table22.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
					Gain in years for entire cohort				
0	0.65	0.23	0.55	0.06	0.18	0.16	0.15	0.84	0.44
1	0.66	0.23	0.55	0.06	0.18	0.16	0.05	0.83	0.44
5	0.66	0.23	0.55	0.06	0.18	0.16	0.04	0.80	0.42
10	0.66	0.23	0.55	0.06	0.18	0.16	0.03	0.78	0.41
15	0.66	0.22	0.55	0.06	0.18	0.16	0.03	0.75	0.40
20	0.66	0.22	0.55	0.06	0.18	0.16	0.03	0.65	0.32
25	0.66	0.22	0.55	0.06	0.18	0.16	0.02	0.55	0.24
30	0.66	0.22	0.55	0.06	0.18	0.16	0.02	0.47	0.20
35	0.66	0.22	0.55	0.06	0.18	0.16	0.02	0.41	0.16
40	0.66	0.22	0.56	0.06	0.17	0.15	0.02	0.34	0.13
45	0.65	0.22	0.56	0.06	0.15	0.15	0.01	0.28	0.10
50	0.64	0.22	0.56	0.06	0.13	0.15	0.01	0.23	0.08
55	0.63	0.21	0.56	0.05	0.10	0.15	0.01	0.19	0.06
60	0.62	0.21	0.54	0.05	0.08	0.14	0.01	0.16	0.05
65	0.60	0.21	0.51	0.06	0.06	0.13	0.01	0.14	0.04
70	0.59	0.21	0.45	0.06	0.04	0.12	0.00	0.12	0.03
75	0.56	0.21	0.37	0.05	0.03	0.11	0.00	0.11	0.02
80	0.51	0.20	0.27	0.05	0.01	0.09	0.00	0.09	0.01
85	0.44	0.19	0.18	0.05	0.01	0.07	0.00	0.07	0.01
90	0.34	0.17	0.10	0.04	0.00	0.05	0.00	0.05	0.00
95	0.24	0.15	0.06	0.03	0.00	0.04	0.00	0.04	0.00
100	0.21	0.18	0.05	0.03	0.00	0.03	0.00	0.04	0.00
				Gain in years for those who would have died from the specified cause					
0	8.75	7.82	10.43	7.36	19.62	9.81	53.43	26.70	35.50
1	8.72	7.65	10.42	7.33	19.61	9.65	31.63	26.33	35.36
5	8.71	7.58	10.40	7.31	19.61	9.64	27.38	25.60	34.82
10	8.71	7.56	10.39	7.30	19.61	9.63	25.85	25.11	34.27
15	8.70	7.53	10.37	7.28	19.60	9.62	24.34	24.60	33.64
20	8.69	7.50	10.35	7.26	19.60	9.60	22.67	22.52	30.35
25	8.67	7.46	10.32	7.22	19.57	9.56	21.00	20.12	26.50
30	8.64	7.41	10.30	7.18	19.51	9.50	19.55	18.28	23.69
35	8.59	7.34	10.27	7.13	19.27	9.42	18.05	16.62	21.38
40	8.51	7.24	10.23	7.07	18.68	9.30	16.70	14.84	19.11
45	8.37	7.10	10.16	6.97	17.62	9.13	15.34	12.99	16.93
50	8.17	6.94	10.05	6.86	16.03	8.90	13.89	11.30	14.91
55	7.93	6.76	9.85	6.71	14.41	8.59	12.37	9.94	13.11
60	7.62	6.53	9.46	6.52	12.78	8.16	10.71	8.78	11.39
65	7.21	6.23	8.85	6.26	11.05	7.59	9.02	7.77	9.87
70	6.72	5.87	7.98	5.92	9.33	6.86	7.59	6.87	8.51
75	6.09	5.38	6.88	5.43	7.66	6.03	6.41	6.00	7.21
80	5.28	4.74	5.64	4.76	6.03	5.07	5.26	5.05	5.85
85	4.32	3.95	4.37	3.92	4.55	4.05	4.08	4.04	4.52
90	3.32	3.11	3.17	3.02	3.23	3.06	3.00	3.07	3.23
95	2.46	2.39	2.26	2.24	2.19	2.24	2.20	2.25	2.19
100	2.48	2.45	2.31	2.30	2.27	2.30	2.27	2.31	2.27

See footnotes at end of table.

Table 22. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the total population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table22.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Gain in years for entire cohort			
0	0.41	0.26	0.20	0.14	0.18	0.29
1	0.39	0.27	0.20	0.14	0.18	0.29
5	0.37	0.27	0.19	0.14	0.18	0.29
10	0.36	0.27	0.19	0.14	0.18	0.29
15	0.35	0.26	0.19	0.14	0.18	0.28
20	0.33	0.24	0.16	0.14	0.17	0.24
25	0.30	0.21	0.11	0.14	0.16	0.19
30	0.27	0.17	0.08	0.14	0.14	0.14
35	0.24	0.15	0.06	0.14	0.12	0.11
40	0.21	0.12	0.04	0.13	0.09	0.09
45	0.17	0.09	0.03	0.11	0.06	0.07
50	0.14	0.07	0.02	0.08	0.03	0.05
55	0.12	0.05	0.01	0.06	0.02	0.04
60	0.11	0.04	0.01	0.04	0.01	0.03
65	0.10	0.03	0.01	0.03	0.01	0.02
70	0.09	0.02	0.00	0.01	0.00	0.02
75	0.08	0.02	0.00	0.01	0.00	0.01
80	0.08	0.01	0.00	0.00	0.00	0.01
85	0.06	0.01	0.00	0.00	0.00	0.00
90	0.05	0.00	0.00	0.00	0.00	0.00
95	0.04	0.00	0.00	0.00	0.00	0.00
100	0.04	0.00	0.00	0.00	0.00	0.00
		Gain in years for those who would have died from the specified cause				
0	20.92	31.16	44.13	23.94	35.45	35.55
1	20.38	31.16	43.52	23.93	35.40	35.54
5	19.52	31.16	42.83	23.93	35.36	35.46
10	19.12	31.16	42.59	23.93	35.35	35.38
15	18.75	30.89	42.32	23.93	35.30	35.12
20	17.93	29.44	40.08	23.88	34.75	32.86
25	16.75	27.29	35.96	23.78	33.44	29.08
30	15.63	25.20	32.07	23.61	31.92	25.79
35	14.43	23.11	28.59	23.17	30.04	23.09
40	12.97	20.87	25.18	22.23	27.48	20.57
45	11.36	18.49	21.77	20.75	23.97	18.20
50	9.88	16.10	18.54	18.70	19.62	15.98
55	8.78	13.89	15.72	16.62	15.51	13.94
60	7.91	11.84	13.17	14.49	12.31	12.01
65	7.14	10.16	10.98	12.18	9.96	10.35
70	6.43	8.69	9.00	9.96	8.29	8.85
75	5.72	7.27	7.32	7.98	6.88	7.39
80	4.90	5.85	5.80	6.11	5.51	5.93
85	3.98	4.49	4.36	4.51	4.28	4.55
90	3.05	3.23	3.10	3.14	3.13	3.24
95	2.25	2.19	2.19	2.20	2.19	2.19
100	2.31	2.27	2.27	2.27	2.27	2.27

0.00 Quantity more than zero but less than 0.005.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.

[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.

[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 23. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the male population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table23.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
Gain in years for entire cohort									
0	0.13	0.17	3.21	0.27	0.14	0.94	0.00	0.24	0.32
1	0.13	0.17	3.24	0.28	0.15	0.95	0.00	0.24	0.32
5	0.12	0.17	3.23	0.28	0.15	0.95	0.00	0.24	0.32
10	0.12	0.17	3.23	0.28	0.15	0.95	0.00	0.24	0.32
15	0.12	0.17	3.22	0.28	0.15	0.95	0.00	0.24	0.32
20	0.12	0.17	3.22	0.28	0.15	0.96	0.00	0.24	0.32
25	0.12	0.17	3.23	0.28	0.15	0.97	0.00	0.24	0.32
30	0.12	0.16	3.23	0.28	0.15	0.97	0.00	0.24	0.32
35	0.12	0.14	3.23	0.28	0.15	0.98	0.00	0.24	0.32
40	0.12	0.10	3.22	0.28	0.15	0.98	0.00	0.25	0.31
45	0.12	0.07	3.18	0.28	0.15	0.98	0.00	0.25	0.31
50	0.11	0.04	3.10	0.27	0.14	0.96	0.00	0.25	0.29
55	0.11	0.02	2.95	0.25	0.13	0.92	0.00	0.26	0.28
60	0.10	0.01	2.69	0.23	0.12	0.83	0.00	0.26	0.25
65	0.09	0.00	2.33	0.20	0.10	0.70	0.00	0.26	0.22
70	0.09	0.00	1.90	0.17	0.08	0.54	0.00	0.25	0.19
75	0.07	0.00	1.44	0.13	0.06	0.37	0.00	0.23	0.15
80	0.06	0.00	1.00	0.10	0.04	0.22	0.00	0.19	0.11
85	0.05	0.00	0.63	0.07	0.02	0.11	0.00	0.15	0.07
90	0.03	0.00	0.36	0.04	0.01	0.05	0.00	0.10	0.04
95	0.02	0.00	0.20	0.02	0.01	0.02	0.00	0.07	0.02
100	0.02	0.00	0.17	0.02	0.00	0.02	0.00	0.06	0.02
Gain in years for those who would have died from the specified cause									
0	10.76	31.89	13.37	11.39	12.31	12.68	12.16	7.79	11.75
1	10.34	31.85	13.37	11.39	12.31	12.68	12.11	7.79	11.75
5	10.20	31.82	13.34	11.39	12.31	12.68	12.17	7.79	11.74
10	10.16	31.78	13.31	11.39	12.31	12.68	12.15	7.79	11.74
15	10.12	31.74	13.28	11.39	12.31	12.68	12.16	7.79	11.73
20	10.08	31.70	13.24	11.38	12.30	12.68	12.17	7.79	11.71
25	10.00	31.53	13.19	11.36	12.30	12.68	12.17	7.79	11.66
30	9.91	30.86	13.13	11.33	12.29	12.67	12.11	7.79	11.59
35	9.79	29.24	13.05	11.26	12.26	12.66	12.03	7.79	11.45
40	9.61	26.83	12.93	11.13	12.17	12.61	11.76	7.79	11.26
45	9.35	23.97	12.71	10.93	11.97	12.45	11.52	7.78	10.99
50	8.99	20.76	12.32	10.57	11.57	12.16	11.16	7.74	10.57
55	8.54	17.63	11.74	10.05	10.92	11.66	10.40	7.65	10.00
60	7.99	14.71	10.89	9.30	10.04	10.83	9.42	7.45	9.24
65	7.33	12.07	9.78	8.35	8.93	9.70	8.41	7.07	8.30
70	6.55	9.63	8.47	7.27	7.69	8.34	7.27	6.47	7.24
75	5.67	7.44	7.04	6.09	6.42	6.85	5.99	5.69	6.12
80	4.66	5.28	5.59	4.88	5.10	5.35	4.70	4.76	4.94
85	3.64	3.44	4.22	3.74	3.83	3.98	3.63	3.74	3.78
90	2.66	2.33	3.00	2.70	2.72	2.77	2.53	2.74	2.72
95	1.87	1.79	2.07	1.87	1.84	1.86	1.84	1.92	1.87
100	2.05	- - -	2.19	2.05	2.03	2.04	2.03	2.09	2.05

See footnotes at end of table.

Table 23. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the male population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table23.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
				Gain in years for entire cohort					
0	0.09	5.21	3.81	0.10	2.66	0.95	0.67	0.15	0.06
1	0.09	5.23	3.82	0.10	2.68	0.96	0.67	0.15	0.06
5	0.09	5.23	3.83	0.10	2.69	0.96	0.67	0.15	0.06
10	0.09	5.24	3.83	0.10	2.69	0.96	0.67	0.15	0.06
15	0.09	5.24	3.83	0.10	2.69	0.96	0.66	0.15	0.06
20	0.09	5.25	3.84	0.10	2.70	0.97	0.66	0.15	0.06
25	0.09	5.28	3.85	0.10	2.72	0.97	0.66	0.16	0.06
30	0.09	5.29	3.86	0.10	2.73	0.98	0.65	0.16	0.06
35	0.09	5.29	3.86	0.10	2.74	0.98	0.64	0.16	0.06
40	0.09	5.27	3.84	0.10	2.74	0.98	0.63	0.16	0.06
45	0.10	5.22	3.79	0.09	2.71	0.97	0.61	0.16	0.06
50	0.10	5.12	3.70	0.08	2.65	0.94	0.59	0.16	0.06
55	0.10	4.96	3.55	0.08	2.54	0.89	0.57	0.16	0.05
60	0.10	4.74	3.35	0.07	2.39	0.82	0.54	0.16	0.05
65	0.11	4.47	3.11	0.06	2.20	0.74	0.50	0.16	0.05
70	0.12	4.18	2.85	0.05	1.99	0.64	0.46	0.15	0.04
75	0.12	3.86	2.58	0.04	1.76	0.55	0.42	0.15	0.04
80	0.12	3.48	2.27	0.03	1.51	0.45	0.38	0.15	0.03
85	0.11	3.06	1.96	0.03	1.25	0.35	0.34	0.14	0.03
90	0.09	2.63	1.65	0.02	0.99	0.25	0.29	0.13	0.02
95	0.05	2.25	1.39	0.02	0.78	0.17	0.24	0.11	0.02
100	0.04	2.27	1.47	0.02	0.83	0.17	0.27	0.14	0.02
			Gain in years for those who would have died from the specified cause						
0	5.86	13.14	12.21	12.42	11.31	10.80	10.20	7.09	9.43
1	5.86	13.11	12.18	12.41	11.31	10.80	10.09	7.07	9.43
5	5.86	13.10	12.17	12.42	11.31	10.80	10.04	7.06	9.43
10	5.86	13.09	12.17	12.42	11.31	10.80	10.01	7.06	9.43
15	5.86	13.09	12.16	12.42	11.31	10.79	9.98	7.05	9.42
20	5.86	13.07	12.14	12.40	11.31	10.79	9.91	7.04	9.42
25	5.86	13.04	12.11	12.36	11.30	10.78	9.81	7.03	9.39
30	5.86	13.00	12.07	12.27	11.28	10.77	9.68	7.02	9.34
35	5.86	12.93	12.00	12.07	11.24	10.73	9.53	7.00	9.25
40	5.86	12.80	11.87	11.75	11.15	10.63	9.31	6.96	9.13
45	5.86	12.58	11.64	11.18	10.96	10.42	9.02	6.90	8.88
50	5.85	12.24	11.28	10.42	10.62	10.06	8.65	6.80	8.52
55	5.83	11.77	10.78	9.50	10.14	9.54	8.22	6.65	8.04
60	5.79	11.15	10.12	8.47	9.48	8.83	7.68	6.40	7.49
65	5.69	10.40	9.33	7.39	8.69	7.97	7.05	6.05	6.82
70	5.49	9.54	8.44	6.37	7.80	7.02	6.33	5.60	6.09
75	5.12	8.56	7.46	5.41	6.81	6.01	5.54	5.00	5.30
80	4.49	7.47	6.39	4.44	5.73	4.94	4.68	4.30	4.43
85	3.63	6.31	5.29	3.49	4.63	3.87	3.76	3.50	3.51
90	2.71	5.20	4.25	2.60	3.58	2.86	2.87	2.69	2.62
95	1.90	4.33	3.44	1.87	2.77	2.05	2.14	1.99	1.87
100	2.07	4.30	3.49	2.04	2.86	2.20	2.30	2.16	2.05

See footnotes at end of table.

Table 23. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the male population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table23.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
	Gain in years for entire cohort								
0	0.53	0.22	0.52	0.06	0.22	0.15	0.15	1.10	0.56
1	0.54	0.21	0.53	0.06	0.22	0.15	0.05	1.09	0.56
5	0.54	0.21	0.53	0.06	0.22	0.15	0.04	1.05	0.55
10	0.54	0.21	0.53	0.06	0.22	0.15	0.03	1.03	0.54
15	0.54	0.21	0.53	0.06	0.22	0.15	0.03	1.00	0.52
20	0.54	0.21	0.53	0.06	0.22	0.15	0.03	0.87	0.42
25	0.54	0.21	0.53	0.06	0.22	0.15	0.02	0.72	0.32
30	0.54	0.21	0.53	0.06	0.22	0.15	0.02	0.61	0.25
35	0.54	0.21	0.53	0.06	0.22	0.15	0.02	0.51	0.20
40	0.54	0.21	0.53	0.06	0.21	0.15	0.02	0.42	0.16
45	0.53	0.20	0.54	0.06	0.19	0.15	0.01	0.34	0.13
50	0.52	0.20	0.54	0.06	0.16	0.14	0.01	0.26	0.10
55	0.51	0.20	0.54	0.06	0.12	0.14	0.01	0.21	0.08
60	0.50	0.20	0.53	0.06	0.09	0.14	0.01	0.17	0.06
65	0.48	0.20	0.51	0.06	0.06	0.13	0.01	0.15	0.04
70	0.47	0.20	0.46	0.06	0.04	0.12	0.00	0.13	0.03
75	0.44	0.20	0.39	0.06	0.03	0.11	0.00	0.11	0.03
80	0.39	0.19	0.30	0.06	0.01	0.10	0.00	0.09	0.02
85	0.32	0.18	0.21	0.06	0.01	0.08	0.00	0.08	0.01
90	0.24	0.17	0.13	0.05	0.00	0.06	0.00	0.06	0.01
95	0.16	0.16	0.08	0.04	0.00	0.05	0.00	0.04	0.00
100	0.15	0.21	0.07	0.04	0.00	0.05	0.00	0.04	0.00
	Gain in years for those who would have died from the specified cause								
0	8.84	7.73	9.42	6.90	19.02	9.12	52.39	27.70	34.16
1	8.81	7.53	9.40	6.87	19.02	8.95	31.40	27.40	34.06
5	8.80	7.47	9.39	6.86	19.02	8.93	27.22	26.76	33.63
10	8.79	7.44	9.37	6.85	19.02	8.92	25.73	26.34	33.19
15	8.78	7.42	9.35	6.83	19.01	8.91	24.29	25.87	32.66
20	8.77	7.39	9.33	6.81	19.01	8.89	22.38	23.85	29.69
25	8.74	7.33	9.30	6.77	18.99	8.86	20.56	21.22	25.76
30	8.71	7.28	9.28	6.73	18.92	8.80	19.05	19.15	22.81
35	8.65	7.20	9.25	6.68	18.71	8.73	17.47	17.32	20.42
40	8.56	7.09	9.22	6.61	18.15	8.61	16.05	15.38	18.15
45	8.40	6.94	9.16	6.52	17.11	8.43	14.61	13.32	15.91
50	8.16	6.74	9.06	6.40	15.45	8.17	13.11	11.38	13.82
55	7.87	6.52	8.88	6.25	13.72	7.85	11.49	9.81	11.96
60	7.49	6.27	8.53	6.05	12.00	7.44	9.89	8.51	10.23
65	7.00	5.94	7.97	5.80	10.22	6.90	8.26	7.38	8.73
70	6.42	5.53	7.17	5.45	8.46	6.21	6.89	6.42	7.43
75	5.69	5.00	6.14	4.94	6.79	5.43	5.71	5.52	6.24
80	4.81	4.34	5.00	4.28	5.24	4.53	4.65	4.57	5.02
85	3.83	3.54	3.85	3.47	3.90	3.58	3.56	3.60	3.87
90	2.85	2.73	2.77	2.62	2.73	2.66	2.58	2.68	2.75
95	2.04	2.06	1.94	1.90	1.84	1.90	1.87	1.90	1.83
100	2.18	2.24	2.10	2.07	2.03	2.08	2.03	2.07	2.03

See footnotes at end of table.

Table 23. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the male population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table23.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Gain in years for entire cohort			
0	0.53	0.40	0.29	0.20	0.23	0.46
1	0.52	0.40	0.29	0.20	0.23	0.47
5	0.50	0.40	0.28	0.20	0.23	0.46
10	0.48	0.40	0.28	0.20	0.23	0.46
15	0.47	0.40	0.28	0.20	0.23	0.46
20	0.44	0.36	0.23	0.20	0.22	0.39
25	0.39	0.31	0.16	0.20	0.20	0.30
30	0.35	0.26	0.11	0.20	0.17	0.23
35	0.31	0.22	0.08	0.20	0.14	0.18
40	0.26	0.17	0.05	0.18	0.11	0.14
45	0.21	0.14	0.04	0.16	0.07	0.11
50	0.16	0.10	0.02	0.12	0.03	0.09
55	0.13	0.08	0.01	0.09	0.02	0.07
60	0.12	0.06	0.01	0.06	0.01	0.05
65	0.10	0.05	0.01	0.04	0.01	0.04
70	0.09	0.04	0.00	0.02	0.00	0.03
75	0.08	0.03	0.00	0.01	0.00	0.02
80	0.07	0.02	0.00	0.01	0.00	0.02
85	0.06	0.01	0.00	0.00	0.00	0.01
90	0.05	0.01	0.00	0.00	0.00	0.00
95	0.04	0.00	0.00	0.00	0.00	0.00
100	0.04	0.00	0.00	0.00	0.00	0.00
		Gain in years for those who would have died from the specified cause				
0	22.84	28.66	42.56	21.94	34.56	32.90
1	22.37	28.66	42.11	21.93	34.52	32.89
5	21.58	28.66	41.65	21.93	34.48	32.84
10	21.19	28.65	41.49	21.93	34.47	32.79
15	20.82	28.41	41.29	21.93	34.44	32.55
20	19.84	26.98	39.06	21.88	33.89	30.31
25	18.41	24.75	34.84	21.79	32.52	26.45
30	17.05	22.63	30.82	21.61	30.95	23.13
35	15.63	20.56	27.34	21.22	29.10	20.50
40	13.94	18.39	24.10	20.38	26.64	18.16
45	12.04	16.18	20.87	19.03	23.32	15.99
50	10.23	13.99	17.76	17.09	19.00	13.96
55	8.85	12.04	15.02	15.11	14.77	12.13
60	7.80	10.26	12.39	13.09	11.52	10.42
65	6.87	8.83	10.21	10.95	9.25	8.98
70	6.06	7.54	8.17	8.89	7.47	7.67
75	5.29	6.29	6.53	7.06	6.11	6.38
80	4.44	5.04	5.09	5.34	4.81	5.09
85	3.54	3.85	3.69	3.93	3.69	3.88
90	2.66	2.74	2.52	2.71	2.66	2.74
95	1.90	1.84	1.83	1.84	1.83	1.83
100	2.07	2.03	2.03	2.03	2.03	2.03

0.00 Quantity more than zero but less than 0.005.

- - - Data not available.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.
[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.
[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 24. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the female population: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table24.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
	Gain in years for entire cohort								
0	0.15	0.07	3.11	0.27	0.15	0.73	0.49	. . .	0.36
1	0.15	0.07	3.13	0.27	0.15	0.73	0.49	. . .	0.36
5	0.15	0.07	3.12	0.27	0.15	0.73	0.49	. . .	0.36
10	0.15	0.07	3.12	0.27	0.15	0.73	0.49	. . .	0.36
15	0.15	0.07	3.11	0.27	0.15	0.73	0.49	. . .	0.36
20	0.15	0.07	3.11	0.28	0.15	0.73	0.49	. . .	0.36
25	0.15	0.06	3.10	0.28	0.15	0.73	0.49	. . .	0.36
30	0.15	0.06	3.09	0.27	0.15	0.74	0.49	. . .	0.36
35	0.14	0.05	3.07	0.27	0.15	0.74	0.49	. . .	0.36
40	0.14	0.03	3.02	0.27	0.15	0.74	0.47	. . .	0.35
45	0.14	0.02	2.93	0.27	0.15	0.73	0.44	. . .	0.35
50	0.14	0.01	2.80	0.26	0.14	0.71	0.40	. . .	0.34
55	0.13	0.01	2.59	0.24	0.14	0.67	0.35	. . .	0.32
60	0.12	0.00	2.31	0.22	0.13	0.60	0.29	. . .	0.30
65	0.11	0.00	1.95	0.20	0.11	0.49	0.23	. . .	0.27
70	0.10	0.00	1.56	0.17	0.09	0.37	0.18	. . .	0.23
75	0.09	0.00	1.15	0.14	0.07	0.25	0.13	. . .	0.18
80	0.08	0.00	0.76	0.10	0.05	0.14	0.09	. . .	0.14
85	0.06	0.00	0.45	0.07	0.03	0.07	0.06	. . .	0.09
90	0.04	0.00	0.24	0.04	0.02	0.03	0.03	. . .	0.06
95	0.03	0.00	0.12	0.02	0.01	0.01	0.02	. . .	0.03
100	0.03	0.00	0.08	0.02	0.01	0.01	0.02	. . .	0.02
	Gain in years for those who would have died from the specified cause								
0	10.71	38.60	15.28	11.85	12.40	14.66	16.10	. . .	11.90
1	10.39	38.56	15.28	11.85	12.40	14.66	16.10	. . .	11.90
5	10.29	38.48	15.25	11.85	12.40	14.66	16.10	. . .	11.90
10	10.25	38.39	15.21	11.85	12.40	14.66	16.10	. . .	11.89
15	10.22	38.28	15.18	11.85	12.39	14.66	16.10	. . .	11.88
20	10.19	38.15	15.14	11.84	12.39	14.66	16.10	. . .	11.86
25	10.13	37.64	15.10	11.83	12.39	14.66	16.10	. . .	11.82
30	10.06	36.35	15.03	11.79	12.38	14.65	16.04	. . .	11.76
35	9.95	34.10	14.91	11.72	12.36	14.63	15.85	. . .	11.66
40	9.80	31.26	14.69	11.60	12.29	14.54	15.46	. . .	11.53
45	9.59	27.59	14.34	11.37	12.12	14.34	14.83	. . .	11.34
50	9.30	23.66	13.82	11.01	11.84	14.01	13.93	. . .	11.04
55	8.92	20.09	13.07	10.48	11.36	13.45	12.74	. . .	10.60
60	8.42	17.22	12.07	9.80	10.65	12.52	11.38	. . .	9.95
65	7.80	14.13	10.82	8.92	9.71	11.26	9.96	. . .	9.09
70	7.06	10.89	9.42	7.92	8.58	9.76	8.57	. . .	8.06
75	6.22	8.01	7.90	6.81	7.28	8.10	7.16	. . .	6.93
80	5.24	5.44	6.31	5.61	5.89	6.38	5.74	. . .	5.68
85	4.22	3.83	4.78	4.40	4.52	4.75	4.41	. . .	4.41
90	3.16	3.23	3.43	3.25	3.27	3.35	3.21	. . .	3.23
95	2.30	2.29	2.40	2.29	2.28	2.28	2.29	. . .	2.30
100	2.32	2.29	2.38	2.31	2.30	2.30	2.31	. . .	2.32

See footnotes at end of table.

Table 24. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table24.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
				Gain in years for entire cohort					
0	0.19	5.38	3.41	0.11	2.11	0.73	0.73	0.21	0.08
1	0.19	5.40	3.42	0.11	2.13	0.73	0.72	0.21	0.08
5	0.19	5.40	3.42	0.11	2.13	0.73	0.72	0.21	0.08
10	0.19	5.40	3.42	0.11	2.13	0.74	0.72	0.21	0.08
15	0.19	5.41	3.42	0.11	2.13	0.74	0.72	0.21	0.08
20	0.19	5.41	3.42	0.11	2.13	0.74	0.71	0.21	0.08
25	0.19	5.41	3.42	0.11	2.14	0.74	0.71	0.21	0.08
30	0.19	5.41	3.42	0.11	2.14	0.74	0.70	0.21	0.08
35	0.19	5.41	3.41	0.11	2.15	0.74	0.70	0.21	0.08
40	0.20	5.40	3.41	0.10	2.15	0.74	0.69	0.21	0.08
45	0.20	5.37	3.39	0.10	2.14	0.74	0.68	0.21	0.08
50	0.20	5.34	3.36	0.10	2.13	0.73	0.66	0.21	0.08
55	0.20	5.29	3.32	0.09	2.11	0.72	0.65	0.21	0.08
60	0.21	5.22	3.25	0.09	2.06	0.69	0.63	0.21	0.08
65	0.22	5.11	3.15	0.08	1.99	0.65	0.60	0.21	0.07
70	0.22	4.98	3.03	0.08	1.90	0.60	0.58	0.21	0.07
75	0.23	4.81	2.88	0.07	1.78	0.54	0.54	0.21	0.06
80	0.23	4.56	2.68	0.07	1.63	0.46	0.50	0.20	0.06
85	0.21	4.20	2.43	0.06	1.43	0.37	0.45	0.19	0.05
90	0.17	3.75	2.13	0.05	1.21	0.27	0.38	0.17	0.04
95	0.12	3.31	1.86	0.04	1.01	0.19	0.30	0.15	0.03
100	0.10	3.28	1.91	0.04	1.06	0.18	0.31	0.16	0.03
				Gain in years for those who would have died from the specified cause					
0	6.12	12.50	10.81	9.06	9.61	9.37	9.10	6.73	8.42
1	6.12	12.48	10.79	9.06	9.61	9.36	9.00	6.72	8.41
5	6.12	12.47	10.78	9.06	9.60	9.36	8.96	6.72	8.41
10	6.12	12.46	10.77	9.06	9.60	9.36	8.94	6.71	8.41
15	6.12	12.46	10.76	9.06	9.60	9.36	8.92	6.71	8.41
20	6.12	12.44	10.75	9.06	9.60	9.36	8.87	6.70	8.40
25	6.12	12.43	10.73	9.04	9.60	9.36	8.81	6.70	8.38
30	6.12	12.40	10.70	9.00	9.59	9.35	8.73	6.69	8.36
35	6.12	12.35	10.66	8.92	9.57	9.32	8.63	6.67	8.31
40	6.12	12.28	10.59	8.78	9.53	9.28	8.49	6.66	8.25
45	6.12	12.17	10.48	8.53	9.46	9.19	8.32	6.62	8.13
50	6.12	12.01	10.33	8.19	9.34	9.04	8.11	6.58	7.96
55	6.11	11.79	10.10	7.79	9.14	8.80	7.86	6.49	7.71
60	6.08	11.46	9.76	7.29	8.83	8.42	7.52	6.34	7.40
65	6.00	11.02	9.30	6.75	8.37	7.88	7.10	6.11	6.94
70	5.87	10.47	8.73	6.18	7.80	7.20	6.59	5.80	6.39
75	5.58	9.78	8.04	5.56	7.11	6.42	5.98	5.38	5.77
80	5.03	8.88	7.18	4.83	6.24	5.48	5.24	4.79	4.96
85	4.20	7.82	6.18	3.99	5.25	4.43	4.36	4.05	4.03
90	3.26	6.70	5.15	3.10	4.24	3.36	3.43	3.20	3.09
95	2.40	5.75	4.29	2.32	3.39	2.48	2.61	2.44	2.31
100	2.39	5.57	4.20	2.33	3.35	2.47	2.60	2.45	2.32

See footnotes at end of table.

Table 24. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table24.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
	Gain in years for entire cohort								
0	0.75	0.24	0.56	0.05	0.12	0.16	0.15	0.54	0.28
1	0.75	0.23	0.56	0.05	0.12	0.16	0.05	0.53	0.28
5	0.75	0.23	0.56	0.05	0.12	0.16	0.04	0.50	0.27
10	0.75	0.23	0.56	0.05	0.12	0.16	0.03	0.48	0.26
15	0.75	0.23	0.56	0.05	0.12	0.16	0.03	0.46	0.25
20	0.75	0.23	0.56	0.05	0.12	0.16	0.03	0.40	0.19
25	0.75	0.23	0.56	0.05	0.12	0.16	0.03	0.35	0.15
30	0.75	0.23	0.56	0.05	0.12	0.16	0.02	0.31	0.13
35	0.75	0.23	0.56	0.05	0.12	0.16	0.02	0.28	0.11
40	0.75	0.23	0.56	0.05	0.11	0.16	0.02	0.24	0.09
45	0.74	0.22	0.56	0.05	0.10	0.15	0.02	0.21	0.07
50	0.73	0.22	0.56	0.05	0.09	0.15	0.01	0.18	0.06
55	0.72	0.22	0.55	0.05	0.08	0.15	0.01	0.16	0.05
60	0.70	0.22	0.53	0.05	0.06	0.14	0.01	0.14	0.04
65	0.69	0.21	0.49	0.05	0.05	0.13	0.01	0.13	0.03
70	0.67	0.21	0.43	0.05	0.04	0.12	0.01	0.11	0.03
75	0.64	0.21	0.34	0.05	0.02	0.10	0.00	0.10	0.02
80	0.58	0.20	0.25	0.05	0.01	0.09	0.00	0.09	0.01
85	0.49	0.19	0.16	0.04	0.01	0.07	0.00	0.07	0.01
90	0.38	0.17	0.09	0.03	0.00	0.05	0.00	0.05	0.00
95	0.26	0.15	0.05	0.03	0.00	0.03	0.00	0.04	0.00
100	0.22	0.17	0.04	0.03	0.00	0.03	0.00	0.03	0.00
	Gain in years for those who would have died from the specified cause								
0	8.59	7.56	10.99	7.25	18.78	10.03	54.13	22.80	35.12
1	8.57	7.40	10.98	7.22	18.78	9.89	31.44	22.31	34.90
n5	8.56	7.33	10.96	7.18	18.77	9.87	27.12	21.41	34.12
10	8.56	7.31	10.95	7.17	18.77	9.86	25.54	20.80	33.30
15	8.55	7.29	10.93	7.15	18.77	9.85	23.97	20.23	32.47
20	8.54	7.26	10.91	7.13	18.75	9.83	22.58	18.23	28.54
25	8.52	7.22	10.89	7.10	18.72	9.78	21.11	16.55	25.23
30	8.50	7.18	10.87	7.06	18.65	9.72	19.71	15.31	22.91
35	8.45	7.12	10.84	7.01	18.40	9.63	18.29	14.13	20.93
40	8.38	7.02	10.79	6.96	17.74	9.52	17.02	12.77	18.80
45	8.25	6.91	10.71	6.88	16.72	9.36	15.73	11.43	16.87
50	8.08	6.78	10.59	6.78	15.43	9.17	14.36	10.27	15.14
55	7.87	6.64	10.37	6.64	14.17	8.87	12.93	9.32	13.56
60	7.61	6.44	9.96	6.46	12.84	8.45	11.19	8.45	11.97
65	7.27	6.18	9.29	6.22	11.31	7.86	9.44	7.66	10.53
70	6.84	5.87	8.37	5.92	9.74	7.10	7.94	6.90	9.15
75	6.26	5.43	7.21	5.48	8.14	6.22	6.78	6.10	7.77
80	5.47	4.83	5.90	4.84	6.44	5.23	5.53	5.17	6.28
85	4.50	4.05	4.54	4.02	4.82	4.18	4.27	4.16	4.80
90	3.46	3.20	3.27	3.11	3.41	3.16	3.11	3.16	3.37
95	2.55	2.45	2.32	2.30	2.27	2.31	2.27	2.31	2.27
100	2.51	2.47	2.33	2.32	2.29	2.32	2.29	2.33	2.29

See footnotes at end of table.

Table 24. Gain in expectation of life due to elimination of specified causes of death, by exact age, for the female population: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table24.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2, G62.1, I42.6, K29.2,K70, R78.0,X45, X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Gain in years for entire cohort			
0	0.25	0.11	0.10	0.07	0.12	0.08
1	0.24	0.11	0.09	0.07	0.12	0.08
5	0.22	0.11	0.09	0.07	0.12	0.08
10	0.22	0.11	0.08	0.07	0.12	0.08
15	0.21	0.11	0.08	0.07	0.12	0.08
20	0.20	0.10	0.07	0.07	0.12	0.07
25	0.19	0.09	0.06	0.07	0.11	0.06
30	0.18	0.08	0.04	0.07	0.10	0.05
35	0.17	0.07	0.03	0.07	0.08	0.04
40	0.15	0.05	0.02	0.06	0.06	0.03
45	0.13	0.04	0.02	0.05	0.04	0.02
50	0.12	0.03	0.01	0.04	0.03	0.02
55	0.11	0.02	0.01	0.03	0.02	0.01
60	0.10	0.01	0.01	0.02	0.01	0.01
65	0.09	0.01	0.00	0.01	0.01	0.01
70	0.09	0.01	0.00	0.01	0.00	0.00
75	0.08	0.00	0.00	0.00	0.00	0.00
80	0.07	0.00	0.00	0.00	0.00	0.00
85	0.06	0.00	0.00	0.00	0.00	0.00
90	0.05	0.00	0.00	0.00	0.00	0.00
95	0.04	0.00	0.00	0.00	0.00	0.00
100	0.03	0.00	0.00	0.00	0.00	0.00
			Gain in years for those who would have died from the specified cause			
0	16.24	33.29	43.42	25.64	34.75	38.07
1	15.59	33.29	42.21	25.63	34.70	38.04
5	14.65	33.29	40.71	25.63	34.66	37.80
10	14.24	33.29	40.15	25.64	34.64	37.59
15	13.92	32.97	39.60	25.62	34.57	37.16
20	13.47	31.66	37.69	25.58	34.02	35.31
25	12.90	30.20	34.60	25.51	32.95	32.74
30	12.31	28.53	31.54	25.34	31.63	30.26
35	11.59	26.64	28.34	24.80	29.80	27.75
40	10.65	24.45	24.68	23.60	27.18	24.88
45	9.62	21.87	21.03	21.79	23.56	22.04
50	8.74	19.18	17.87	19.55	19.53	19.44
55	8.08	16.37	15.17	17.37	15.78	16.86
60	7.51	13.69	13.06	15.15	12.68	14.36
65	6.97	11.37	11.09	12.68	10.32	12.08
70	6.42	9.50	9.33	10.36	8.73	10.04
75	5.80	7.84	7.71	8.33	7.30	8.20
80	5.02	6.18	6.10	6.37	5.85	6.44
85	4.10	4.66	4.63	4.65	4.51	4.91
90	3.15	3.38	3.34	3.22	3.28	3.45
95	2.31	2.27	2.27	2.27	2.27	2.29
100	2.33	- - -	2.30	2.29	2.29	- - -

. . . Category not applicable.

0.00 Quantity more than zero but less than 0.005.

- - - Data not available.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.

[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.

[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 25. Gain in expectation of life due to elimination of specified causes of death, by exact age, for white males: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table25.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
				Gain in years for entire cohort					
0	0.11	0.10	3.19	0.27	0.14	0.94	0.00	0.21	0.29
1	0.11	0.10	3.21	0.27	0.15	0.95	0.00	0.22	0.30
5	0.11	0.10	3.21	0.27	0.15	0.95	0.00	0.22	0.30
10	0.11	0.10	3.20	0.27	0.15	0.95	0.00	0.22	0.30
15	0.11	0.10	3.19	0.27	0.15	0.95	0.00	0.22	0.30
20	0.11	0.10	3.20	0.28	0.15	0.96	0.00	0.22	0.30
25	0.11	0.10	3.20	0.28	0.15	0.96	0.00	0.22	0.30
30	0.11	0.10	3.20	0.28	0.15	0.97	0.00	0.22	0.30
35	0.11	0.08	3.19	0.28	0.15	0.97	0.00	0.22	0.29
40	0.11	0.06	3.18	0.28	0.15	0.98	0.00	0.22	0.29
45	0.10	0.04	3.15	0.27	0.15	0.97	0.00	0.23	0.28
50	0.10	0.02	3.06	0.26	0.14	0.96	0.00	0.23	0.27
55	0.10	0.01	2.91	0.25	0.13	0.92	0.00	0.23	0.26
60	0.09	0.01	2.66	0.23	0.12	0.83	0.00	0.24	0.24
65	0.09	0.00	2.30	0.20	0.10	0.70	0.00	0.23	0.21
70	0.08	0.00	1.87	0.17	0.08	0.54	0.00	0.22	0.18
75	0.07	0.00	1.41	0.13	0.06	0.36	0.00	0.21	0.14
80	0.06	0.00	0.97	0.09	0.04	0.22	0.00	0.18	0.10
85	0.04	0.00	0.61	0.06	0.02	0.11	0.00	0.14	0.07
90	0.03	0.00	0.35	0.04	0.01	0.05	0.00	0.10	0.04
95	0.02	0.00	0.19	0.02	0.01	0.02	0.00	0.06	0.02
100	0.02	0.00	0.15	0.02	0.00	0.01	0.00	0.05	0.02
			Gain in years for those who would have died from the specified cause						
0	9.97	31.17	13.26	11.12	11.94	12.55	11.90	7.48	11.33
1	9.97	32.37	13.27	11.28	12.26	12.60	11.90	7.62	11.48
5	9.83	32.36	13.24	11.28	12.26	12.60	11.92	7.62	11.47
10	9.78	32.33	13.21	11.28	12.26	12.60	11.93	7.62	11.47
15	9.74	32.30	13.18	11.27	12.26	12.60	11.90	7.62	11.46
20	9.70	32.27	13.14	11.27	12.26	12.60	11.88	7.62	11.44
25	9.63	32.13	13.08	11.26	12.26	12.60	11.90	7.62	11.40
30	9.55	31.55	13.03	11.22	12.25	12.59	11.94	7.62	11.33
35	9.44	29.93	12.95	11.16	12.22	12.58	11.86	7.62	11.21
40	9.29	27.30	12.82	11.03	12.12	12.53	11.64	7.62	11.04
45	9.05	24.30	12.61	10.84	11.93	12.39	11.49	7.61	10.76
50	8.74	21.08	12.24	10.51	11.53	12.12	11.13	7.58	10.37
55	8.34	17.91	11.68	10.00	10.90	11.65	10.40	7.49	9.84
60	7.85	14.83	10.85	9.27	10.03	10.83	9.46	7.30	9.12
65	7.23	12.14	9.74	8.33	8.92	9.70	8.46	6.95	8.22
70	6.48	9.58	8.43	7.25	7.67	8.33	7.26	6.38	7.19
75	5.62	7.53	7.00	6.06	6.39	6.82	6.01	5.63	6.08
80	4.63	5.10	5.54	4.85	5.06	5.32	4.67	4.70	4.90
85	3.59	3.27	4.16	3.70	3.79	3.94	3.61	3.69	3.74
90	2.61	1.97	2.93	2.65	2.66	2.72	2.52	2.68	2.66
95	1.80	1.73	2.00	1.81	1.77	1.80	1.80	1.85	1.80
100	2.00	- - -	2.13	2.00	1.98	1.99	1.98	2.03	2.00

See footnotes at end of table.

Table 25. Gain in expectation of life due to elimination of specified causes of death, by exact age, for white males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table25.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
				Gain in years for entire cohort					
0	0.09	5.11	3.76	0.08	2.69	0.97	0.64	0.15	0.04
1	0.10	5.14	3.78	0.08	2.71	0.98	0.64	0.15	0.05
5	0.10	5.14	3.78	0.08	2.71	0.98	0.64	0.15	0.05
10	0.10	5.14	3.79	0.08	2.71	0.98	0.64	0.15	0.05
15	0.10	5.14	3.79	0.08	2.71	0.99	0.63	0.15	0.05
20	0.10	5.16	3.80	0.08	2.73	0.99	0.63	0.15	0.05
25	0.10	5.18	3.81	0.08	2.74	1.00	0.63	0.15	0.05
30	0.10	5.19	3.82	0.08	2.75	1.00	0.62	0.15	0.05
35	0.10	5.19	3.82	0.08	2.76	1.00	0.62	0.16	0.05
40	0.10	5.17	3.80	0.08	2.75	1.00	0.61	0.16	0.05
45	0.10	5.13	3.76	0.07	2.73	0.99	0.59	0.16	0.05
50	0.10	5.03	3.67	0.07	2.66	0.95	0.57	0.16	0.05
55	0.10	4.89	3.53	0.06	2.55	0.90	0.55	0.16	0.04
60	0.11	4.68	3.33	0.05	2.40	0.83	0.53	0.16	0.04
65	0.11	4.43	3.10	0.05	2.21	0.74	0.49	0.16	0.04
70	0.12	4.15	2.85	0.04	2.00	0.65	0.46	0.16	0.04
75	0.13	3.83	2.57	0.03	1.77	0.55	0.42	0.15	0.03
80	0.13	3.46	2.27	0.03	1.52	0.45	0.38	0.15	0.03
85	0.11	3.04	1.95	0.03	1.25	0.34	0.34	0.14	0.03
90	0.09	2.60	1.63	0.02	0.99	0.24	0.28	0.13	0.02
95	0.05	2.21	1.37	0.02	0.77	0.16	0.23	0.11	0.01
100	0.04	2.23	1.44	0.01	0.83	0.16	0.27	0.14	0.02
				Gain in years for those who would have died from the specified cause					
0	5.60	12.81	11.94	11.00	11.16	10.72	9.68	6.70	7.93
1	5.84	12.80	11.93	11.57	11.17	10.75	9.64	6.86	8.63
5	5.84	12.79	11.92	11.57	11.17	10.75	9.60	6.85	8.63
10	5.84	12.78	11.91	11.57	11.17	10.75	9.58	6.84	8.63
15	5.84	12.78	11.91	11.56	11.17	10.75	9.55	6.84	8.62
20	5.84	12.76	11.89	11.56	11.17	10.75	9.49	6.83	8.61
25	5.84	12.74	11.87	11.53	11.16	10.74	9.40	6.82	8.60
30	5.84	12.70	11.83	11.45	11.15	10.73	9.30	6.81	8.56
35	5.83	12.64	11.77	11.28	11.11	10.69	9.17	6.80	8.50
40	5.83	12.53	11.65	10.99	11.02	10.60	8.99	6.77	8.41
45	5.83	12.33	11.44	10.50	10.83	10.39	8.73	6.72	8.24
50	5.82	12.02	11.10	9.83	10.51	10.03	8.41	6.64	7.97
55	5.81	11.59	10.63	9.02	10.04	9.51	8.03	6.51	7.61
60	5.76	11.01	10.01	8.10	9.40	8.81	7.54	6.29	7.17
65	5.66	10.28	9.24	7.12	8.63	7.94	6.94	5.96	6.60
70	5.46	9.45	8.38	6.19	7.75	6.99	6.26	5.53	5.95
75	5.08	8.49	7.41	5.29	6.77	5.98	5.48	4.95	5.22
80	4.45	7.40	6.34	4.36	5.69	4.91	4.63	4.26	4.37
85	3.58	6.24	5.24	3.44	4.58	3.83	3.71	3.46	3.47
90	2.66	5.12	4.18	2.55	3.53	2.81	2.82	2.63	2.58
95	1.84	4.23	3.35	1.80	2.70	1.98	2.08	1.93	1.81
100	2.02	4.21	3.42	1.99	2.80	2.14	2.24	2.11	2.00

See footnotes at end of table.

Table 25. Gain in expectation of life due to elimination of specified causes of death, by exact age, for white males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table25.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
					Gain in years for entire cohort				
0	0.50	0.20	0.54	0.05	0.22	0.13	0.15	1.11	0.57
1	0.50	0.21	0.55	0.06	0.22	0.13	0.05	1.11	0.58
5	0.50	0.20	0.55	0.06	0.23	0.13	0.04	1.07	0.57
10	0.50	0.20	0.55	0.06	0.23	0.13	0.03	1.05	0.55
15	0.50	0.20	0.55	0.06	0.23	0.13	0.03	1.02	0.53
20	0.50	0.20	0.55	0.06	0.23	0.13	0.03	0.88	0.43
25	0.51	0.20	0.55	0.06	0.23	0.13	0.02	0.72	0.32
30	0.51	0.20	0.55	0.06	0.23	0.13	0.02	0.60	0.25
35	0.51	0.20	0.55	0.06	0.22	0.13	0.02	0.51	0.20
40	0.50	0.20	0.56	0.06	0.21	0.13	0.02	0.42	0.16
45	0.50	0.20	0.56	0.06	0.19	0.13	0.01	0.33	0.13
50	0.50	0.20	0.56	0.06	0.16	0.13	0.01	0.26	0.10
55	0.49	0.19	0.57	0.06	0.12	0.13	0.01	0.21	0.08
60	0.48	0.19	0.55	0.06	0.09	0.12	0.01	0.17	0.06
65	0.47	0.19	0.53	0.06	0.07	0.12	0.01	0.15	0.04
70	0.45	0.19	0.48	0.06	0.04	0.11	0.00	0.13	0.03
75	0.43	0.19	0.40	0.06	0.03	0.10	0.00	0.11	0.03
80	0.38	0.19	0.30	0.06	0.01	0.09	0.00	0.09	0.02
85	0.32	0.18	0.21	0.06	0.01	0.08	0.00	0.08	0.01
90	0.24	0.17	0.13	0.05	0.00	0.06	0.00	0.06	0.01
95	0.16	0.15	0.08	0.04	0.00	0.04	0.00	0.04	0.00
100	0.15	0.22	0.07	0.04	0.00	0.05	0.00	0.04	0.00
					Gain in years for those who would have died from the specified cause				
0	8.37	7.25	9.25	6.28	18.63	8.26	50.68	27.72	34.33
1	8.41	7.24	9.30	6.71	18.95	8.36	30.65	27.57	34.46
5	8.40	7.19	9.29	6.69	18.95	8.35	26.90	26.97	34.07
10	8.39	7.17	9.29	6.68	18.96	8.34	25.54	26.59	33.65
15	8.38	7.14	9.27	6.67	18.95	8.33	24.15	26.14	33.13
20	8.36	7.12	9.26	6.65	18.95	8.31	22.38	24.00	29.95
25	8.34	7.07	9.24	6.61	18.94	8.28	20.66	21.23	25.84
30	8.31	7.02	9.23	6.58	18.87	8.24	19.14	19.09	22.85
35	8.26	6.96	9.21	6.53	18.65	8.18	17.52	17.21	20.42
40	8.18	6.86	9.19	6.47	18.09	8.09	16.10	15.20	18.13
45	8.05	6.73	9.14	6.37	17.05	7.96	14.71	13.10	15.85
50	7.86	6.57	9.05	6.26	15.38	7.77	13.23	11.18	13.75
55	7.62	6.38	8.88	6.13	13.67	7.53	11.60	9.66	11.90
60	7.29	6.14	8.53	5.93	11.99	7.18	9.97	8.39	10.16
65	6.86	5.84	7.97	5.70	10.21	6.72	8.27	7.29	8.68
70	6.33	5.46	7.16	5.36	8.45	6.10	6.88	6.35	7.39
75	5.63	4.95	6.12	4.88	6.77	5.36	5.70	5.46	6.20
80	4.76	4.29	4.97	4.23	5.21	4.47	4.63	4.53	4.98
85	3.78	3.49	3.81	3.42	3.86	3.53	3.53	3.56	3.82
90	2.80	2.68	2.72	2.56	2.66	2.61	2.54	2.63	2.69
95	1.97	2.00	1.87	1.84	1.78	1.84	1.78	1.84	1.77
100	2.13	2.20	2.05	2.02	1.98	2.03	1.98	2.02	1.98

See footnotes at end of table.

Table 25. Gain in expectation of life due to elimination of specified causes of death, by exact age, for white males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table25.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Gain in years for entire cohort			
0	0.53	0.43	0.17	0.20	0.23	0.38
1	0.52	0.44	0.17	0.20	0.24	0.38
5	0.50	0.44	0.16	0.20	0.24	0.38
10	0.49	0.44	0.16	0.20	0.24	0.38
15	0.48	0.43	0.16	0.20	0.24	0.37
20	0.45	0.39	0.13	0.20	0.23	0.33
25	0.40	0.34	0.10	0.20	0.20	0.27
30	0.35	0.29	0.07	0.20	0.17	0.22
35	0.30	0.24	0.06	0.19	0.14	0.18
40	0.25	0.19	0.04	0.18	0.10	0.15
45	0.20	0.15	0.03	0.15	0.06	0.12
50	0.16	0.11	0.02	0.12	0.03	0.09
55	0.13	0.09	0.01	0.09	0.01	0.07
60	0.11	0.07	0.01	0.06	0.01	0.06
65	0.10	0.05	0.00	0.04	0.01	0.04
70	0.09	0.04	0.00	0.02	0.00	0.03
75	0.08	0.03	0.00	0.01	0.00	0.02
80	0.07	0.02	0.00	0.01	0.00	0.02
85	0.06	0.01	0.00	0.00	0.00	0.01
90	0.05	0.01	0.00	0.00	0.00	0.00
95	0.04	0.00	0.00	0.00	0.00	0.00
100	0.04	0.00	0.00	0.00	0.00	0.00
			Gain in years for those who would have died from the specified cause			
0	22.56	28.46	39.89	21.68	34.96	29.64
1	22.34	28.72	40.19	22.11	35.52	29.93
5	21.58	28.72	39.60	22.11	35.49	29.89
10	21.26	28.71	39.36	22.11	35.49	29.83
15	20.92	28.48	39.07	22.10	35.45	29.56
20	19.93	27.05	36.93	22.05	34.82	27.63
25	18.39	24.88	33.35	21.96	33.28	24.72
30	16.94	22.83	30.00	21.77	31.57	22.19
35	15.46	20.78	26.95	21.37	29.57	20.02
40	13.69	18.61	23.83	20.51	26.90	17.94
45	11.74	16.35	20.68	19.13	23.32	15.88
50	9.96	14.10	17.69	17.13	18.73	13.92
55	8.66	12.11	15.04	15.12	14.48	12.10
60	7.66	10.30	12.38	13.12	11.30	10.42
65	6.77	8.84	10.15	10.94	9.20	8.97
70	5.99	7.52	8.13	8.89	7.47	7.64
75	5.23	6.26	6.52	7.05	6.12	6.36
80	4.40	5.00	5.04	5.32	4.83	5.05
85	3.49	3.81	3.72	3.87	3.69	3.84
90	2.61	2.69	2.46	2.63	2.67	2.69
95	1.84	1.77	1.75	1.79	1.75	1.77
100	2.02	1.98	- - -	1.98	- - -	1.98

0.00 Quantity more than zero but less than 0.005.

- - - Data not available.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.

[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.

[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 26. Gain in expectation of life due to elimination of specified causes of death, by exact age, for white females: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table26.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasms of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
				Gain in years for entire cohort					
0	0.14	0.03	3.13	0.27	0.15	0.75	0.48	. . .	0.32
1	0.13	0.03	3.14	0.27	0.15	0.76	0.48	. . .	0.32
5	0.13	0.03	3.14	0.27	0.15	0.76	0.48	. . .	0.32
10	0.13	0.03	3.13	0.27	0.15	0.76	0.48	. . .	0.32
15	0.13	0.03	3.12	0.27	0.15	0.76	0.48	. . .	0.32
20	0.13	0.03	3.12	0.27	0.15	0.76	0.48	. . .	0.32
25	0.13	0.02	3.11	0.27	0.15	0.76	0.49	. . .	0.32
30	0.13	0.02	3.10	0.27	0.15	0.76	0.48	. . .	0.32
35	0.13	0.02	3.08	0.27	0.15	0.76	0.48	. . .	0.31
40	0.13	0.01	3.03	0.26	0.15	0.76	0.46	. . .	0.31
45	0.12	0.01	2.95	0.26	0.15	0.75	0.44	. . .	0.31
50	0.12	0.00	2.81	0.25	0.14	0.73	0.40	. . .	0.30
55	0.12	0.00	2.61	0.24	0.14	0.69	0.35	. . .	0.29
60	0.11	0.00	2.32	0.22	0.12	0.62	0.29	. . .	0.27
65	0.10	0.00	1.96	0.19	0.11	0.51	0.24	. . .	0.24
70	0.09	0.00	1.56	0.17	0.09	0.38	0.18	. . .	0.20
75	0.08	0.00	1.15	0.13	0.07	0.25	0.13	. . .	0.17
80	0.07	0.00	0.76	0.10	0.05	0.14	0.09	. . .	0.12
85	0.06	0.00	0.45	0.07	0.03	0.06	0.06	. . .	0.08
90	0.04	0.00	0.23	0.04	0.01	0.03	0.03	. . .	0.05
95	0.03	0.00	0.12	0.02	0.01	0.01	0.02	. . .	0.03
100	0.02	0.00	0.08	0.01	0.00	0.01	0.02	. . .	0.02
				Gain in years for those who would have died from the specified cause					
0	10.25	38.58	15.21	11.68	12.37	14.69	15.85	. . .	11.57
1	10.01	38.55	15.21	11.68	12.37	14.69	15.85	. . .	11.57
5	9.90	38.49	15.17	11.68	12.37	14.69	15.85	. . .	11.56
10	9.86	38.34	15.14	11.68	12.37	14.69	15.85	. . .	11.56
15	9.84	38.20	15.11	11.68	12.36	14.69	15.85	. . .	11.55
20	9.81	38.11	15.07	11.67	12.36	14.69	15.85	. . .	11.54
25	9.76	37.76	15.02	11.66	12.36	14.68	15.84	. . .	11.50
30	9.70	36.56	14.95	11.62	12.36	14.68	15.79	. . .	11.44
35	9.61	34.40	14.84	11.56	12.33	14.65	15.63	. . .	11.35
40	9.49	31.41	14.63	11.44	12.26	14.58	15.27	. . .	11.22
45	9.31	27.66	14.30	11.23	12.10	14.38	14.68	. . .	11.03
50	9.07	23.50	13.80	10.89	11.82	14.07	13.84	. . .	10.76
55	8.73	20.21	13.07	10.39	11.35	13.51	12.69	. . .	10.35
60	8.27	16.93	12.08	9.74	10.65	12.58	11.37	. . .	9.75
65	7.69	13.39	10.82	8.86	9.69	11.31	9.96	. . .	8.93
70	6.99	9.85	9.41	7.87	8.57	9.79	8.57	. . .	7.95
75	6.17	7.25	7.88	6.77	7.26	8.11	7.15	. . .	6.86
80	5.21	5.33	6.28	5.57	5.87	6.37	5.72	. . .	5.62
85	4.18	4.14	4.74	4.37	4.48	4.72	4.37	. . .	4.36
90	3.12	3.17	3.38	3.21	3.22	3.30	3.16	. . .	3.18
95	2.24	2.27	2.33	2.24	2.22	2.22	2.23	. . .	2.24
100	2.27	2.25	2.32	2.26	2.25	2.25	2.26	. . .	2.26

See footnotes at end of table.

Table 26. Gain in expectation of life due to elimination of specified causes of death, by exact age, for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table26.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
			Gain in years for entire cohort						
0	0.20	5.19	3.29	0.08	2.07	0.71	0.70	0.21	0.07
1	0.20	5.21	3.30	0.08	2.08	0.72	0.69	0.21	0.07
5	0.20	5.21	3.30	0.08	2.08	0.72	0.69	0.21	0.07
10	0.20	5.21	3.30	0.08	2.08	0.72	0.69	0.21	0.07
15	0.20	5.21	3.30	0.08	2.08	0.72	0.69	0.21	0.07
20	0.20	5.21	3.30	0.08	2.08	0.72	0.69	0.21	0.07
25	0.20	5.22	3.30	0.08	2.09	0.72	0.68	0.21	0.07
30	0.20	5.22	3.30	0.08	2.09	0.72	0.68	0.21	0.07
35	0.20	5.21	3.30	0.08	2.09	0.72	0.67	0.21	0.07
40	0.21	5.21	3.29	0.08	2.09	0.72	0.66	0.21	0.07
45	0.21	5.19	3.28	0.08	2.09	0.72	0.66	0.21	0.07
50	0.21	5.17	3.26	0.08	2.08	0.71	0.65	0.21	0.07
55	0.21	5.14	3.23	0.08	2.06	0.70	0.63	0.21	0.06
60	0.22	5.08	3.17	0.07	2.02	0.68	0.62	0.21	0.06
65	0.22	5.00	3.09	0.07	1.96	0.64	0.60	0.21	0.06
70	0.23	4.89	2.98	0.07	1.87	0.59	0.57	0.21	0.06
75	0.24	4.74	2.84	0.06	1.76	0.54	0.54	0.21	0.06
80	0.23	4.51	2.66	0.06	1.61	0.46	0.50	0.21	0.05
85	0.21	4.16	2.41	0.05	1.42	0.37	0.45	0.20	0.04
90	0.17	3.71	2.11	0.05	1.20	0.27	0.38	0.17	0.04
95	0.12	3.27	1.84	0.04	1.00	0.19	0.30	0.15	0.03
100	0.10	3.25	1.91	0.04	1.05	0.18	0.31	0.16	0.03
			Gain in years for those who would have died from the specified cause						
0	6.11	12.11	10.46	7.99	9.36	9.17	8.66	6.52	7.66
1	6.11	12.09	10.44	7.99	9.36	9.17	8.58	6.51	7.65
5	6.11	12.08	10.43	7.99	9.36	9.17	8.55	6.51	7.65
10	6.11	12.07	10.43	7.99	9.36	9.17	8.53	6.50	7.65
15	6.11	12.07	10.42	7.99	9.36	9.17	8.51	6.50	7.65
20	6.11	12.06	10.41	7.99	9.36	9.17	8.47	6.49	7.64
25	6.11	12.04	10.39	7.98	9.35	9.16	8.42	6.49	7.63
30	6.11	12.02	10.37	7.96	9.35	9.15	8.36	6.48	7.61
35	6.11	11.98	10.34	7.92	9.33	9.13	8.27	6.47	7.59
40	6.11	11.93	10.28	7.83	9.29	9.09	8.17	6.46	7.56
45	6.11	11.84	10.19	7.68	9.23	9.01	8.03	6.44	7.50
50	6.10	11.71	10.07	7.46	9.13	8.88	7.87	6.41	7.39
55	6.09	11.52	9.87	7.19	8.95	8.66	7.65	6.34	7.23
60	6.06	11.24	9.57	6.82	8.66	8.31	7.36	6.22	7.01
65	5.98	10.84	9.15	6.40	8.24	7.78	6.98	6.01	6.66
70	5.85	10.32	8.62	5.94	7.70	7.13	6.50	5.72	6.20
75	5.55	9.66	7.95	5.42	7.03	6.37	5.92	5.31	5.64
80	5.00	8.79	7.11	4.75	6.18	5.44	5.19	4.74	4.89
85	4.16	7.74	6.12	3.93	5.20	4.38	4.32	4.00	3.98
90	3.21	6.62	5.09	3.05	4.18	3.31	3.38	3.15	3.04
95	2.34	5.67	4.23	2.26	3.33	2.42	2.56	2.39	2.25
100	2.34	5.50	4.15	2.28	3.30	2.42	2.56	2.41	2.27

See footnotes at end of table.

Table 26. Gain in expectation of life due to elimination of specified causes of death, by exact age, for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table26.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
				Gain in years for entire cohort					
0	0.71	0.24	0.60	0.05	0.12	0.14	0.15	0.55	0.29
1	0.72	0.23	0.60	0.05	0.12	0.14	0.05	0.54	0.29
5	0.72	0.23	0.60	0.05	0.12	0.13	0.04	0.51	0.28
10	0.72	0.23	0.60	0.05	0.12	0.13	0.03	0.49	0.27
15	0.72	0.23	0.60	0.05	0.12	0.13	0.03	0.47	0.26
20	0.72	0.23	0.60	0.05	0.12	0.13	0.03	0.40	0.20
25	0.72	0.23	0.60	0.05	0.12	0.13	0.03	0.35	0.16
30	0.72	0.23	0.60	0.05	0.12	0.13	0.02	0.31	0.13
35	0.71	0.23	0.60	0.05	0.12	0.13	0.02	0.28	0.11
40	0.71	0.22	0.60	0.05	0.11	0.13	0.02	0.24	0.09
45	0.71	0.22	0.60	0.05	0.10	0.13	0.02	0.21	0.08
50	0.70	0.22	0.60	0.05	0.09	0.13	0.01	0.18	0.06
55	0.69	0.22	0.59	0.05	0.08	0.13	0.01	0.16	0.05
60	0.68	0.22	0.57	0.05	0.07	0.12	0.01	0.14	0.04
65	0.67	0.21	0.53	0.05	0.05	0.12	0.01	0.13	0.03
70	0.66	0.21	0.46	0.05	0.04	0.11	0.01	0.11	0.03
75	0.63	0.21	0.36	0.05	0.02	0.09	0.00	0.10	0.02
80	0.58	0.20	0.26	0.05	0.01	0.08	0.00	0.09	0.01
85	0.49	0.19	0.16	0.04	0.01	0.06	0.00	0.07	0.01
90	0.37	0.17	0.09	0.03	0.00	0.05	0.00	0.05	0.00
95	0.25	0.14	0.05	0.02	0.00	0.03	0.00	0.04	0.00
100	0.21	0.17	0.04	0.03	0.00	0.03	0.00	0.04	0.00
				Gain in years for those who would have died from the specified cause					
0	8.24	7.32	10.94	7.15	18.48	9.35	53.21	22.58	35.35
1	8.22	7.22	10.93	7.12	18.47	9.24	30.57	22.19	35.15
5	8.21	7.16	10.92	7.08	18.47	9.22	26.70	21.36	34.45
10	8.21	7.14	10.91	7.06	18.47	9.21	25.18	20.80	33.68
15	8.20	7.12	10.90	7.05	18.47	9.21	23.81	20.24	32.85
20	8.19	7.09	10.89	7.03	18.46	9.19	22.51	18.08	28.58
25	8.18	7.06	10.87	7.01	18.44	9.14	21.12	16.37	25.21
30	8.15	7.02	10.86	6.96	18.39	9.09	19.76	15.11	22.86
35	8.12	6.97	10.83	6.91	18.16	9.02	18.33	13.93	20.87
40	8.05	6.88	10.80	6.87	17.50	8.94	17.11	12.57	18.71
45	7.95	6.79	10.73	6.79	16.51	8.82	15.82	11.25	16.78
50	7.82	6.68	10.63	6.70	15.29	8.67	14.45	10.13	15.07
55	7.66	6.54	10.43	6.57	14.10	8.45	12.98	9.21	13.53
60	7.43	6.36	10.02	6.40	12.82	8.11	11.23	8.35	11.95
65	7.14	6.11	9.35	6.16	11.32	7.61	9.46	7.58	10.51
70	6.74	5.81	8.40	5.87	9.76	6.94	7.90	6.83	9.12
75	6.19	5.38	7.22	5.44	8.14	6.14	6.77	6.05	7.76
80	5.42	4.78	5.89	4.80	6.42	5.18	5.50	5.13	6.26
85	4.45	4.00	4.51	3.98	4.78	4.14	4.24	4.12	4.76
90	3.40	3.15	3.23	3.07	3.35	3.11	3.07	3.11	3.31
95	2.48	2.39	2.27	2.24	2.21	2.25	2.21	2.26	2.21
100	2.46	2.42	2.28	2.27	2.24	2.27	2.25	2.28	2.24

See footnotes at end of table.

Table 26. Gain in expectation of life due to elimination of specified causes of death, by exact age, for white females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table26.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Gain in years for entire cohort			
0	0.25	0.12	0.07	0.07	0.13	0.08
1	0.24	0.12	0.07	0.07	0.13	0.08
5	0.22	0.12	0.07	0.07	0.13	0.08
10	0.22	0.12	0.06	0.07	0.13	0.08
15	0.21	0.12	0.06	0.07	0.13	0.08
20	0.20	0.11	0.05	0.07	0.12	0.07
25	0.19	0.10	0.04	0.07	0.11	0.06
30	0.18	0.09	0.03	0.07	0.10	0.05
35	0.17	0.08	0.03	0.07	0.09	0.04
40	0.15	0.06	0.02	0.06	0.07	0.03
45	0.13	0.05	0.01	0.05	0.04	0.02
50	0.12	0.03	0.01	0.04	0.03	0.02
55	0.11	0.02	0.01	0.03	0.02	0.01
60	0.10	0.01	0.01	0.02	0.01	0.01
65	0.09	0.01	0.00	0.01	0.01	0.01
70	0.09	0.01	0.00	0.01	0.00	0.00
75	0.08	0.00	0.00	0.00	0.00	0.00
80	0.08	0.00	0.00	0.00	0.00	0.00
85	0.06	0.00	0.00	0.00	0.00	0.00
90	0.05	0.00	0.00	0.00	0.00	0.00
95	0.04	0.00	0.00	0.00	0.00	0.00
100	0.03	0.00	0.00	0.00	0.00	0.00
		Gain in years for those who would have died from the specified cause				
0	15.77	33.51	42.08	25.54	35.06	36.66
1	15.25	33.50	40.97	25.53	35.03	36.62
5	14.38	33.51	39.58	25.54	35.00	36.44
10	14.01	33.50	38.95	25.53	34.98	36.22
15	13.74	33.20	38.32	25.53	34.91	35.81
20	13.27	31.93	36.50	25.48	34.31	34.15
25	12.68	30.55	33.45	25.41	33.12	31.98
30	12.07	28.95	30.57	25.27	31.67	29.83
35	11.35	27.07	27.43	24.74	29.79	27.50
40	10.43	24.82	24.05	23.50	27.10	24.75
45	9.43	22.20	20.74	21.67	23.51	22.07
50	8.59	19.47	17.75	19.45	19.55	19.54
55	7.95	16.60	15.20	17.34	15.95	17.05
60	7.39	13.86	13.02	15.15	12.85	14.50
65	6.88	11.46	11.11	12.73	10.44	12.17
70	6.35	9.56	9.31	10.40	8.83	10.08
75	5.75	7.85	7.63	8.33	7.38	8.19
80	4.98	6.13	6.01	6.32	5.86	6.39
85	4.06	4.61	4.61	4.57	4.47	4.88
90	3.10	3.32	3.26	3.11	3.25	3.39
95	2.25	2.21	2.21	2.22	2.21	2.21
100	2.28	- - -	2.24	2.24	2.24	- - -

. . . Category not applicable.

0.00 Quantity more than zero but less than 0.005.

- - - Data not available.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.

[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.

[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 27. Gain in expectation of life due to elimination of specified causes of death, by exact age, for black males: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table27.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
				Gain in years for entire cohort					
0	0.23	0.63	3.43	0.29	0.14	0.97	0.01	0.40	0.45
1	0.22	0.63	3.49	0.30	0.15	0.98	0.01	0.41	0.46
5	0.22	0.63	3.49	0.30	0.15	0.99	0.01	0.41	0.46
10	0.22	0.63	3.48	0.30	0.15	0.99	0.01	0.41	0.46
15	0.22	0.63	3.48	0.30	0.15	0.99	0.01	0.41	0.46
20	0.22	0.64	3.49	0.30	0.15	1.00	0.01	0.41	0.46
25	0.22	0.63	3.52	0.30	0.15	1.01	0.01	0.42	0.46
30	0.22	0.60	3.54	0.30	0.15	1.02	0.01	0.42	0.46
35	0.22	0.52	3.56	0.31	0.15	1.03	0.01	0.43	0.46
40	0.22	0.40	3.57	0.30	0.15	1.04	0.01	0.44	0.45
45	0.21	0.28	3.56	0.30	0.15	1.04	0.01	0.45	0.45
50	0.21	0.17	3.49	0.29	0.15	1.02	0.01	0.46	0.43
55	0.20	0.09	3.32	0.28	0.14	0.97	0.00	0.48	0.40
60	0.19	0.05	3.03	0.25	0.12	0.87	0.00	0.50	0.37
65	0.17	0.03	2.67	0.22	0.10	0.74	0.00	0.51	0.32
70	0.16	0.01	2.23	0.19	0.08	0.57	0.00	0.50	0.27
75	0.14	0.00	1.76	0.16	0.06	0.40	0.00	0.46	0.22
80	0.12	0.00	1.30	0.12	0.04	0.24	0.00	0.41	0.16
85	0.10	0.00	0.89	0.08	0.03	0.14	0.00	0.33	0.11
90	0.08	0.00	0.57	0.06	0.01	0.06	0.00	0.24	0.08
95	0.05	0.00	0.36	0.04	0.01	0.03	0.00	0.17	0.04
100	0.06	0.00	0.29	0.03	0.00	0.04	0.00	0.14	0.03
				Gain in years for those who would have died from the specified cause					
0	11.72	27.54	13.90	11.79	12.35	12.90	12.62	8.43	12.53
1	11.17	27.51	13.89	11.79	12.35	12.90	12.61	8.43	12.53
5	11.06	27.46	13.87	11.79	12.35	12.90	12.61	8.43	12.52
10	11.04	27.43	13.85	11.79	12.35	12.90	12.60	8.43	12.52
15	11.02	27.39	13.82	11.79	12.35	12.89	12.63	8.43	12.51
20	10.98	27.35	13.78	11.79	12.35	12.89	12.61	8.43	12.48
25	10.90	27.19	13.73	11.75	12.35	12.89	12.62	8.43	12.41
30	10.79	26.52	13.67	11.72	12.34	12.88	12.46	8.43	12.29
35	10.63	25.06	13.60	11.63	12.30	12.88	12.31	8.43	12.11
40	10.41	23.12	13.48	11.47	12.19	12.81	11.76	8.42	11.88
45	10.11	20.77	13.22	11.21	11.99	12.59	11.29	8.41	11.58
50	9.64	18.06	12.76	10.76	11.55	12.18	10.93	8.36	11.06
55	9.05	15.40	12.05	10.15	10.78	11.50	9.97	8.25	10.38
60	8.33	12.99	11.06	9.25	9.78	10.55	8.95	7.99	9.47
65	7.57	10.83	9.93	8.29	8.75	9.44	7.76	7.55	8.45
70	6.73	8.94	8.66	7.21	7.59	8.13	6.97	6.90	7.36
75	5.84	7.08	7.30	6.15	6.40	6.79	5.69	6.06	6.25
80	4.88	5.42	5.95	5.06	5.23	5.46	4.71	5.16	5.15
85	3.98	3.89	4.68	4.01	4.08	4.27	3.86	4.17	4.08
90	3.10	2.96	3.56	3.08	3.13	3.17	2.72	3.26	3.17
95	2.42	2.31	2.73	2.38	2.35	2.39	2.32	2.53	2.39
100	2.53	- - -	2.76	2.50	2.48	2.51	- - -	2.61	2.51

See footnotes at end of table.

Table 27. Gain in expectation of life due to elimination of specified causes of death, by exact age, for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table27.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11, I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
				Gain in years for entire cohort					
0	0.05	5.67	3.99	0.26	2.43	0.80	0.87	0.16	0.14
1	0.05	5.74	4.04	0.26	2.46	0.81	0.87	0.16	0.14
5	0.05	5.74	4.04	0.26	2.47	0.81	0.86	0.16	0.14
10	0.05	5.75	4.04	0.26	2.47	0.81	0.86	0.16	0.14
15	0.05	5.75	4.05	0.26	2.48	0.82	0.86	0.16	0.14
20	0.05	5.78	4.06	0.26	2.49	0.82	0.85	0.16	0.14
25	0.05	5.82	4.08	0.26	2.52	0.83	0.85	0.16	0.15
30	0.05	5.84	4.10	0.26	2.54	0.84	0.83	0.16	0.15
35	0.05	5.85	4.09	0.26	2.56	0.84	0.82	0.16	0.15
40	0.05	5.82	4.07	0.26	2.57	0.84	0.79	0.16	0.14
45	0.05	5.74	4.00	0.24	2.55	0.84	0.76	0.16	0.14
50	0.06	5.60	3.89	0.22	2.50	0.82	0.72	0.16	0.13
55	0.06	5.36	3.70	0.19	2.40	0.78	0.67	0.16	0.12
60	0.06	5.02	3.42	0.16	2.23	0.72	0.61	0.16	0.11
65	0.07	4.64	3.11	0.14	2.02	0.65	0.55	0.15	0.10
70	0.08	4.27	2.80	0.12	1.80	0.58	0.49	0.15	0.09
75	0.09	3.86	2.47	0.10	1.57	0.50	0.44	0.14	0.08
80	0.09	3.47	2.17	0.08	1.34	0.42	0.39	0.14	0.07
85	0.09	3.09	1.90	0.06	1.14	0.35	0.35	0.13	0.06
90	0.07	2.77	1.68	0.05	0.97	0.28	0.29	0.12	0.05
95	0.05	2.62	1.58	0.04	0.85	0.23	0.27	0.12	0.04
100	0.06	2.72	1.77	0.04	0.95	0.22	0.33	0.15	0.04
				Gain in years for those who would have died from the specified cause					
0	6.15	15.31	14.11	13.65	12.49	11.36	13.03	9.00	11.31
1	6.15	15.26	14.07	13.65	12.49	11.35	12.86	8.95	11.31
5	6.15	15.25	14.05	13.65	12.49	11.35	12.79	8.93	11.30
10	6.15	15.24	14.04	13.65	12.48	11.35	12.76	8.92	11.30
15	6.15	15.23	14.03	13.65	12.48	11.35	12.71	8.92	11.30
20	6.15	15.20	13.99	13.64	12.48	11.34	12.58	8.89	11.30
25	6.15	15.14	13.93	13.57	12.47	11.33	12.40	8.86	11.25
30	6.15	15.06	13.84	13.47	12.44	11.30	12.16	8.80	11.19
35	6.15	14.93	13.71	13.24	12.38	11.24	11.86	8.74	11.07
40	6.15	14.72	13.49	12.90	12.25	11.12	11.47	8.65	10.86
45	6.15	14.37	13.14	12.29	11.99	10.86	10.98	8.50	10.49
50	6.14	13.83	12.61	11.44	11.57	10.45	10.34	8.24	9.95
55	6.12	13.10	11.88	10.38	10.93	9.84	9.59	7.87	9.18
60	6.07	12.18	10.94	9.18	10.06	9.01	8.71	7.38	8.38
65	5.97	11.17	9.92	8.03	9.09	8.10	7.81	6.83	7.48
70	5.73	10.11	8.86	6.91	8.06	7.13	6.88	6.16	6.56
75	5.31	8.98	7.75	5.84	6.97	6.10	5.94	5.41	5.67
80	4.69	7.85	6.66	4.85	5.89	5.11	5.00	4.64	4.77
85	3.92	6.78	5.63	3.88	4.87	4.15	4.11	3.86	3.87
90	3.08	5.84	4.75	3.02	3.99	3.27	3.28	3.08	3.01
95	2.42	5.20	4.15	2.40	3.34	2.60	2.69	2.51	2.39
100	2.53	5.20	4.24	2.52	3.43	2.70	2.81	2.63	2.51

See footnotes at end of table.

Table 27. Gain in expectation of life due to elimination of specified causes of death, by exact age, for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table27.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
				Gain in years for entire cohort					
0	0.69	0.24	0.37	0.06	0.19	0.27	0.17	1.10	0.52
1	0.70	0.23	0.37	0.06	0.19	0.27	0.05	1.08	0.53
5	0.70	0.23	0.37	0.06	0.19	0.27	0.04	1.04	0.51
10	0.70	0.23	0.37	0.06	0.19	0.27	0.03	1.00	0.50
15	0.70	0.23	0.36	0.06	0.19	0.27	0.03	0.96	0.48
20	0.70	0.23	0.36	0.06	0.20	0.27	0.02	0.87	0.42
25	0.71	0.23	0.36	0.06	0.20	0.27	0.02	0.75	0.33
30	0.71	0.22	0.36	0.06	0.20	0.27	0.02	0.65	0.26
35	0.72	0.22	0.36	0.06	0.20	0.27	0.02	0.56	0.21
40	0.71	0.22	0.36	0.06	0.19	0.27	0.01	0.48	0.17
45	0.70	0.21	0.36	0.06	0.17	0.26	0.01	0.38	0.13
50	0.68	0.21	0.36	0.06	0.14	0.25	0.01	0.29	0.10
55	0.65	0.20	0.36	0.06	0.10	0.24	0.01	0.22	0.07
60	0.62	0.20	0.36	0.06	0.07	0.23	0.01	0.17	0.05
65	0.57	0.19	0.34	0.06	0.05	0.21	0.00	0.14	0.04
70	0.53	0.19	0.31	0.06	0.03	0.19	0.00	0.12	0.03
75	0.48	0.19	0.27	0.06	0.01	0.17	0.00	0.10	0.02
80	0.42	0.18	0.22	0.06	0.01	0.15	0.00	0.08	0.02
85	0.35	0.18	0.16	0.05	0.00	0.12	0.00	0.07	0.01
90	0.26	0.17	0.12	0.05	0.00	0.09	0.00	0.05	0.01
95	0.20	0.15	0.09	0.04	0.00	0.07	0.00	0.04	0.00
100	0.15	0.18	0.07	0.03	0.00	0.06	0.01	0.04	0.00
				Gain in years for those who would have died from the specified cause					
0	11.09	10.33	10.67	8.44	18.78	11.32	52.86	27.31	31.59
1	11.02	9.87	10.63	8.43	18.77	11.07	34.72	26.80	31.48
5	11.01	9.72	10.56	8.39	18.77	11.06	29.16	26.04	30.95
10	11.00	9.69	10.50	8.39	18.76	11.05	27.40	25.43	30.41
15	10.99	9.67	10.39	8.36	18.76	11.05	25.72	24.90	29.89
20	10.98	9.62	10.30	8.35	18.75	11.03	22.93	23.53	28.04
25	10.95	9.53	10.20	8.27	18.72	10.98	20.69	21.61	25.07
30	10.90	9.41	10.09	8.19	18.64	10.89	19.15	19.85	22.38
35	10.82	9.25	9.96	8.10	18.50	10.75	17.48	18.27	20.12
40	10.66	9.04	9.84	7.97	18.06	10.54	15.92	16.67	18.10
45	10.37	8.68	9.68	7.83	17.12	10.24	14.09	14.83	16.05
50	9.89	8.25	9.44	7.65	15.61	9.71	12.28	12.77	13.98
55	9.29	7.77	9.11	7.36	13.75	9.12	10.57	10.94	12.16
60	8.60	7.27	8.60	7.08	11.85	8.45	9.07	9.36	10.40
65	7.82	6.74	7.94	6.69	10.17	7.67	7.91	8.03	8.82
70	6.99	6.14	7.09	6.19	8.41	6.75	6.70	6.87	7.47
75	6.07	5.42	6.10	5.42	6.78	5.84	5.59	5.83	6.28
80	5.11	4.66	5.05	4.62	5.29	4.91	4.59	4.80	5.09
85	4.17	3.87	4.04	3.80	4.19	3.98	3.73	3.87	4.09
90	3.26	3.16	3.14	3.04	3.33	3.10	2.83	3.07	3.08
95	2.55	2.54	2.44	2.38	- - -	2.42	2.46	2.40	2.32
100	2.62	2.66	2.55	2.50	- - -	2.53	2.48	2.52	- - -

See footnotes at end of table.

Table 27. Gain in expectation of life due to elimination of specified causes of death, by exact age, for black males: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table27.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol- induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug- induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Gain in years for entire cohort			
0	0.57	0.22	0.96	0.21	0.25	0.94
1	0.55	0.22	0.96	0.22	0.25	0.95
5	0.52	0.22	0.95	0.22	0.25	0.95
10	0.50	0.22	0.95	0.22	0.25	0.95
15	0.48	0.22	0.94	0.22	0.25	0.94
20	0.45	0.20	0.79	0.22	0.25	0.78
25	0.42	0.15	0.51	0.22	0.24	0.49
30	0.39	0.11	0.32	0.22	0.22	0.29
35	0.35	0.09	0.21	0.22	0.20	0.18
40	0.31	0.06	0.14	0.21	0.16	0.12
45	0.25	0.05	0.09	0.18	0.11	0.08
50	0.19	0.04	0.06	0.15	0.06	0.06
55	0.15	0.03	0.04	0.11	0.03	0.04
60	0.12	0.02	0.02	0.08	0.01	0.03
65	0.10	0.02	0.02	0.05	0.01	0.02
70	0.08	0.01	0.01	0.03	0.00	0.01
75	0.07	0.01	0.01	0.01	0.00	0.01
80	0.06	0.01	0.00	0.01	0.00	0.01
85	0.05	0.00	0.00	0.00	0.00	0.00
90	0.05	0.00	0.00	0.00	0.00	0.00
95	0.04	0.00	0.00	0.00	0.00	0.00
100	0.04	0.00	0.00	0.00	0.00	0.00
			Gain in years for those who would have died from the specified cause			
0	24.01	31.86	39.82	19.31	28.12	39.66
1	23.16	31.86	39.55	19.31	28.03	39.65
5	22.23	31.86	39.25	19.31	27.96	39.60
10	21.58	31.85	39.18	19.31	27.95	39.56
15	21.07	31.54	39.06	19.30	27.94	39.44
20	20.24	30.12	37.11	19.27	27.80	37.39
25	19.29	26.98	32.90	19.22	27.21	32.86
30	18.28	23.93	28.56	19.10	26.25	28.06
35	17.17	21.20	24.91	18.87	25.11	23.97
40	15.86	18.49	21.82	18.28	23.55	20.51
45	14.17	16.19	18.90	17.26	21.43	17.65
50	12.15	14.01	16.02	15.75	18.44	14.99
55	10.35	12.12	13.49	14.02	14.97	12.79
60	8.89	10.38	11.27	12.12	12.04	10.75
65	7.71	9.11	9.62	10.36	9.30	9.25
70	6.65	7.82	7.84	8.48	7.27	7.95
75	5.67	6.43	6.39	6.85	5.70	6.52
80	4.71	5.23	5.12	5.31	4.42	5.36
85	3.81	4.06	3.80	4.23	3.81	4.06
90	3.06	3.11	2.94	3.20	2.68	3.11
95	2.40	2.40	2.36	2.31	2.36	2.31
100	2.52	2.48	2.48	- - -	2.48	- - -

0.00 Quantity more than zero but less than 0.005.

- - - Data not available.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.

[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.

[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Table 28. Gain in expectation of life due to elimination of specified causes of death, by exact age, for black females: United States, 1999–2001

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table28.xlsx.

[Alphanumeric codes after causes of death represent categories of the International Classification of Diseases, 10th Revision (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Septicemia (A40–A41)	Human immunodeficiency virus (HIV) disease (B20–B24)	Malignant neoplasms (C00–C97)	Malignant neoplasms of colon, rectum and anus (C18–C21)	Malignant neoplasm of pancreas (C25)	Malignant neoplasms of trachea, bronchus and lung (C33–C34)	Malignant neoplasm of breast (C50)	Malignant neoplasm of prostate (C61)	Diabetes mellitus (E10–E14)
				Gain in years for entire cohort					
0	0.29	0.32	3.17	0.33	0.17	0.60	0.57	. . .	0.67
1	0.28	0.32	3.21	0.33	0.17	0.61	0.58	. . .	0.68
5	0.28	0.32	3.20	0.34	0.17	0.61	0.58	. . .	0.68
10	0.28	0.32	3.20	0.34	0.17	0.61	0.58	. . .	0.68
15	0.28	0.32	3.20	0.34	0.17	0.61	0.58	. . .	0.68
20	0.28	0.32	3.19	0.34	0.17	0.61	0.59	. . .	0.68
25	0.28	0.31	3.19	0.34	0.17	0.61	0.59	. . .	0.68
30	0.28	0.28	3.18	0.34	0.17	0.62	0.58	. . .	0.68
35	0.27	0.22	3.16	0.34	0.17	0.62	0.57	. . .	0.68
40	0.27	0.16	3.11	0.33	0.17	0.62	0.55	. . .	0.67
45	0.26	0.10	3.01	0.33	0.17	0.61	0.51	. . .	0.67
50	0.25	0.06	2.85	0.32	0.17	0.59	0.45	. . .	0.66
55	0.24	0.03	2.62	0.30	0.16	0.55	0.38	. . .	0.63
60	0.23	0.02	2.32	0.27	0.15	0.49	0.30	. . .	0.58
65	0.21	0.01	1.97	0.24	0.13	0.40	0.24	. . .	0.52
70	0.20	0.00	1.58	0.21	0.11	0.30	0.19	. . .	0.44
75	0.18	0.00	1.19	0.17	0.09	0.20	0.14	. . .	0.36
80	0.15	0.00	0.84	0.13	0.06	0.12	0.10	. . .	0.27
85	0.12	0.00	0.55	0.09	0.04	0.06	0.07	. . .	0.19
90	0.10	0.00	0.34	0.07	0.03	0.03	0.05	. . .	0.12
95	0.08	0.00	0.20	0.04	0.01	0.02	0.03	. . .	0.08
100	0.07	0.00	0.15	0.03	0.01	0.01	0.03	. . .	0.07
				Gain in years for those who would have died from the specified cause					
0	11.91	35.05	16.01	12.74	12.55	15.02	17.39	. . .	12.78
1	11.45	35.00	16.00	12.74	12.54	15.02	17.39	. . .	12.78
5	11.37	34.94	15.98	12.74	12.54	15.02	17.39	. . .	12.78
10	11.35	34.87	15.94	12.74	12.54	15.02	17.39	. . .	12.77
15	11.33	34.80	15.92	12.74	12.54	15.02	17.39	. . .	12.76
20	11.29	34.69	15.88	12.73	12.54	15.01	17.39	. . .	12.73
25	11.23	34.18	15.83	12.72	12.54	15.01	17.37	. . .	12.68
30	11.13	32.99	15.75	12.69	12.52	15.00	17.29	. . .	12.60
35	10.99	30.91	15.60	12.61	12.50	14.98	16.99	. . .	12.50
40	10.77	28.39	15.33	12.44	12.42	14.86	16.47	. . .	12.36
45	10.50	25.19	14.88	12.19	12.24	14.58	15.63	. . .	12.16
50	10.09	21.82	14.22	11.72	11.92	14.09	14.49	. . .	11.83
55	9.61	18.55	13.35	11.08	11.40	13.39	13.09	. . .	11.29
60	9.01	16.04	12.25	10.29	10.64	12.39	11.51	. . .	10.54
65	8.29	13.55	10.97	9.31	9.74	11.14	10.05	. . .	9.63
70	7.49	10.97	9.55	8.26	8.63	9.68	8.63	. . .	8.54
75	6.61	8.66	8.07	7.13	7.38	8.11	7.29	. . .	7.35
80	5.63	5.94	6.60	5.97	6.11	6.50	5.98	. . .	6.13
85	4.65	3.91	5.21	4.80	4.89	5.06	4.78	. . .	4.91
90	3.70	3.50	4.01	3.77	3.82	3.80	3.73	. . .	3.82
95	2.96	2.90	3.08	2.92	2.89	2.90	2.91	. . .	2.96
100	2.92	- - -	2.99	2.87	2.86	2.85	2.87	. . .	2.91

See footnotes at end of table.

Table 28. Gain in expectation of life due to elimination of specified causes of death, by exact age, for black females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table28.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Alzheimer's disease (G30)	Major cardiovascular diseases (I00–I78)	Diseases of heart (I00–I09, I11,I13, I20–I51)	Hypertensive heart disease (I11)	Ischemic heart diseases (I20–I25)	Acute myocardial infarction (I21–I22)	Other heart diseases (I26–I51)	Heart failure (I50)	Essential (primary) hypertension and hypertensive renal disease (I10,I12)
				Gain in years for entire cohort					
0	0.12	6.80	4.29	0.28	2.48	0.86	0.95	0.22	0.19
1	0.12	6.87	4.33	0.28	2.51	0.87	0.94	0.23	0.19
5	0.12	6.87	4.33	0.28	2.52	0.87	0.94	0.23	0.19
10	0.12	6.87	4.33	0.28	2.52	0.87	0.94	0.23	0.19
15	0.12	6.87	4.33	0.28	2.52	0.87	0.93	0.23	0.19
20	0.12	6.88	4.33	0.28	2.53	0.87	0.93	0.23	0.19
25	0.12	6.88	4.33	0.28	2.53	0.88	0.92	0.23	0.19
30	0.12	6.88	4.33	0.28	2.54	0.88	0.91	0.23	0.19
35	0.12	6.87	4.32	0.28	2.55	0.88	0.89	0.23	0.19
40	0.12	6.85	4.30	0.27	2.56	0.88	0.87	0.23	0.19
45	0.12	6.79	4.25	0.26	2.56	0.88	0.84	0.23	0.19
50	0.13	6.69	4.18	0.25	2.54	0.87	0.80	0.23	0.18
55	0.13	6.55	4.08	0.23	2.49	0.84	0.77	0.23	0.17
60	0.14	6.36	3.92	0.21	2.41	0.81	0.72	0.22	0.17
65	0.15	6.13	3.73	0.19	2.29	0.76	0.68	0.22	0.15
70	0.16	5.85	3.49	0.17	2.13	0.69	0.62	0.21	0.14
75	0.17	5.53	3.24	0.15	1.97	0.62	0.57	0.20	0.13
80	0.17	5.12	2.93	0.13	1.76	0.53	0.50	0.19	0.11
85	0.16	4.66	2.62	0.11	1.53	0.43	0.44	0.18	0.09
90	0.13	4.15	2.29	0.10	1.31	0.33	0.37	0.16	0.08
95	0.11	3.74	2.06	0.08	1.15	0.26	0.31	0.14	0.06
100	0.10	3.60	2.03	0.08	1.14	0.26	0.31	0.13	0.06
				Gain in years for those who would have died from the specified cause					
0	6.53	15.54	13.52	12.10	11.67	10.95	12.28	8.79	10.74
1	6.54	15.49	13.48	12.10	11.67	10.94	12.09	8.77	10.74
5	6.54	15.48	13.46	12.10	11.67	10.94	12.03	8.76	10.74
10	6.53	15.47	13.45	12.10	11.67	10.94	12.00	8.75	10.73
15	6.53	15.46	13.44	12.10	11.66	10.94	11.96	8.75	10.74
20	6.53	15.44	13.42	12.09	11.66	10.94	11.89	8.73	10.72
25	6.53	15.40	13.38	12.07	11.65	10.93	11.76	8.71	10.70
30	6.53	15.35	13.32	12.00	11.64	10.91	11.58	8.68	10.66
35	6.53	15.26	13.23	11.83	11.61	10.88	11.37	8.65	10.55
40	6.54	15.11	13.09	11.58	11.54	10.81	11.10	8.60	10.41
45	6.53	14.86	12.85	11.17	11.40	10.65	10.70	8.48	10.18
50	6.53	14.51	12.51	10.55	11.16	10.38	10.23	8.33	9.85
55	6.52	14.05	12.06	9.85	10.79	9.98	9.69	8.10	9.39
60	6.51	13.46	11.46	8.98	10.28	9.44	9.06	7.73	8.83
65	6.46	12.74	10.73	8.16	9.59	8.73	8.36	7.31	8.12
70	6.32	11.89	9.88	7.35	8.77	7.89	7.57	6.77	7.33
75	6.01	10.94	8.95	6.43	7.88	6.97	6.72	6.12	6.51
80	5.41	9.85	7.90	5.49	6.88	5.97	5.79	5.37	5.55
85	4.60	8.70	6.84	4.56	5.84	4.93	4.86	4.56	4.60
90	3.71	7.58	5.82	3.67	4.86	3.93	3.95	3.72	3.68
95	2.99	6.69	5.02	2.97	4.10	3.16	3.21	3.03	2.94
100	2.94	6.45	4.87	2.93	3.99	3.10	3.15	2.97	2.90

See footnotes at end of table.

Table 28. Gain in expectation of life due to elimination of specified causes of death, by exact age, for black females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table28.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	Cerebrovascular diseases (I60–I69)	Influenza and pneumonia (J10–J18)	Chronic lower respiratory diseases (J40–J47)	Pneumonitis due to solids and liquids (J69)	Chronic liver disease and cirrhosis (K70,K73–K74)	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19, N25–N27)	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	Motor vehicle accidents[1]
					Gain in years for entire cohort				
0	0.94	0.24	0.32	0.06	0.11	0.35	0.18	0.51	0.24
1	0.95	0.23	0.32	0.06	0.11	0.34	0.05	0.49	0.24
5	0.95	0.23	0.32	0.06	0.11	0.34	0.04	0.45	0.22
10	0.95	0.23	0.32	0.06	0.11	0.34	0.03	0.42	0.21
15	0.95	0.23	0.31	0.06	0.11	0.34	0.03	0.41	0.20
20	0.95	0.22	0.31	0.06	0.11	0.34	0.03	0.37	0.17
25	0.95	0.22	0.31	0.06	0.11	0.34	0.02	0.33	0.13
30	0.95	0.22	0.31	0.05	0.11	0.34	0.02	0.29	0.11
35	0.95	0.22	0.31	0.05	0.11	0.34	0.02	0.26	0.09
40	0.94	0.21	0.30	0.05	0.10	0.34	0.01	0.22	0.07
45	0.92	0.21	0.30	0.05	0.09	0.33	0.01	0.19	0.06
50	0.89	0.20	0.29	0.05	0.08	0.33	0.01	0.16	0.05
55	0.86	0.20	0.28	0.05	0.06	0.31	0.01	0.13	0.04
60	0.83	0.20	0.26	0.05	0.05	0.30	0.01	0.12	0.03
65	0.80	0.19	0.23	0.05	0.03	0.27	0.01	0.10	0.02
70	0.76	0.19	0.20	0.05	0.02	0.24	0.00	0.09	0.02
75	0.71	0.19	0.16	0.05	0.01	0.20	0.00	0.08	0.01
80	0.64	0.19	0.12	0.05	0.01	0.17	0.00	0.06	0.01
85	0.55	0.18	0.09	0.05	0.00	0.13	0.00	0.05	0.00
90	0.43	0.17	0.06	0.04	0.00	0.10	0.00	0.04	0.00
95	0.32	0.16	0.04	0.04	0.00	0.08	0.00	0.03	0.00
100	0.29	0.19	0.03	0.04	0.00	0.07	0.00	0.03	0.00
				Gain in years for those who would have died from the specified cause					
0	10.88	9.68	13.04	8.41	20.96	11.97	57.50	26.31	35.84
1	10.84	9.21	12.97	8.36	20.96	11.76	36.00	25.29	35.46
5	10.83	9.10	12.93	8.32	20.94	11.75	30.22	23.92	34.27
10	10.82	9.08	12.87	8.31	20.94	11.74	28.40	23.03	33.18
15	10.81	9.06	12.78	8.28	20.94	11.73	26.02	22.38	32.38
20	10.79	9.01	12.71	8.27	20.89	11.70	24.24	21.02	29.88
25	10.76	8.91	12.61	8.18	20.78	11.65	22.37	19.43	26.70
30	10.72	8.81	12.47	8.13	20.61	11.57	20.63	18.13	24.32
35	10.65	8.70	12.32	8.05	20.35	11.45	19.26	16.78	22.27
40	10.50	8.50	12.11	7.95	19.77	11.27	17.38	15.24	20.07
45	10.22	8.25	11.84	7.82	18.59	11.03	16.12	13.56	18.05
50	9.84	7.95	11.43	7.63	16.85	10.73	14.51	11.98	16.04
55	9.39	7.68	10.93	7.43	15.16	10.27	13.26	10.64	14.10
60	8.90	7.34	10.20	7.17	13.33	9.64	11.49	9.59	12.38
65	8.32	6.92	9.38	6.85	11.45	8.84	9.79	8.59	10.99
70	7.67	6.48	8.35	6.48	9.65	7.83	8.45	7.65	9.55
75	6.90	5.92	7.20	5.90	8.03	6.77	6.88	6.59	7.81
80	5.99	5.27	5.99	5.27	6.53	5.73	5.54	5.60	6.51
85	5.02	4.50	4.81	4.43	5.10	4.68	4.44	4.59	5.14
90	4.02	3.72	3.77	3.63	3.93	3.73	3.55	3.67	4.01
95	3.21	3.06	2.92	2.92	2.89	2.96	2.89	2.91	2.89
100	3.13	3.03	2.88	2.88	- - -	2.92	2.84	2.87	- - -

See footnotes at end of table.

Table 28. Gain in expectation of life due to elimination of specified causes of death, by exact age, for black females: United States, 1999–2001—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_09/Table28.xlsx.

[Alphanumeric codes after causes of death represent categories of the *International Classification of Diseases, 10th Revision* (ICD–10), 2nd ed, 2004. An asterisk (*) preceding a cause-of-death code indicates that the cause is not included in ICD–10]

Age (years)	All other accidents[2]	Intentional self-harm (suicide) (*U03,X60–X84, Y87.0)	Assault (homicide) (*U01–*U02, X85–Y09,Y87.1)	Alcohol-induced causes (F10,G31.2,G62.1, I42.6,K29.2,K70, R78.0,X45,X65,Y15)	Drug-induced causes[3]	Injury by firearms (*U01.4,W32–W34, X72–X74,X93–X95, Y22–Y24,Y35.0)
			Gain in years for entire cohort			
0	0.27	0.04	0.22	0.08	0.12	0.12
1	0.25	0.04	0.21	0.08	0.12	0.12
5	0.23	0.04	0.19	0.08	0.12	0.12
10	0.21	0.04	0.19	0.08	0.12	0.12
15	0.21	0.04	0.18	0.08	0.12	0.11
20	0.20	0.04	0.16	0.08	0.12	0.10
25	0.19	0.03	0.13	0.08	0.11	0.07
30	0.18	0.03	0.10	0.08	0.11	0.05
35	0.17	0.02	0.07	0.08	0.09	0.04
40	0.15	0.02	0.05	0.07	0.07	0.03
45	0.13	0.01	0.03	0.06	0.04	0.02
50	0.11	0.01	0.02	0.05	0.02	0.01
55	0.09	0.01	0.01	0.03	0.01	0.01
60	0.09	0.00	0.01	0.02	0.01	0.00
65	0.08	0.00	0.01	0.01	0.00	0.00
70	0.07	0.00	0.01	0.01	0.00	0.00
75	0.06	0.00	0.00	0.00	0.00	0.00
80	0.06	0.00	0.00	0.00	0.00	0.00
85	0.05	0.00	0.00	0.00	0.00	0.00
90	0.04	0.00	0.00	0.00	0.00	0.00
95	0.03	0.00	0.00	0.00	0.00	0.00
100	0.03	0.00	0.00	0.00	0.00	0.00
		Gain in years for those who would have died from the specified cause				
0	21.23	34.73	42.85	24.42	33.03	42.43
1	19.78	34.72	41.55	24.42	32.94	42.40
5	18.36	34.73	39.98	24.41	32.82	42.06
10	17.67	34.72	39.59	24.40	32.77	41.86
15	17.17	34.23	39.22	24.40	32.75	41.53
20	16.76	32.75	37.31	24.38	32.50	39.37
25	16.29	30.63	34.44	24.33	32.03	36.01
30	15.65	28.31	31.39	24.22	31.31	32.60
35	14.72	26.05	28.48	23.76	29.79	29.57
40	13.55	24.04	24.67	22.95	27.66	26.13
45	12.08	20.95	20.64	21.43	24.28	22.39
50	10.74	18.12	17.20	19.30	20.10	18.90
55	9.68	15.37	14.43	17.01	15.05	15.55
60	8.90	12.98	12.51	14.82	11.65	13.46
65	8.05	11.19	10.63	12.28	9.38	11.37
70	7.29	9.31	9.22	10.03	7.63	9.66
75	6.41	7.83	7.98	8.35	6.41	8.26
80	5.49	6.63	6.60	6.73	5.61	6.82
85	4.55	4.95	4.93	5.39	4.84	5.22
90	3.65	3.73	3.86	4.19	3.61	2.93
95	2.91	2.89	2.89	- - -	2.88	2.89
100	2.87	- - -	- - -	- - -	2.84	- - -

. . . Category not applicable.

0.00 Quantity more than zero but less than 0.005.

- - - Data not available.

[1]Includes ICD–10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, and V89.2.

[2]Includes ICD–10 codes V01, V05–V06, V09.1, V09.3, V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3–V89.9, V90–V99, W00–X59, and Y85–Y86.

[3]Includes ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, and Y10–Y14.

Contents

Acknowledgments

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