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U.S. Decennial Life Tables for 1999–2001: State Life Tables

by Rong Wei, Ph.D., Office of Research and Methodology; Robert N. Anderson, Ph.D., Division of Vital Statistics; Lester R. Curtin, Ph.D., Division of Health and Nutrition Examination Surveys; and Elizabeth Arias, Ph.D., Division of Vital Statistics

Abstract

Objective—This report, following publication of the national life tables (1,2) for 1999–2001, presents state-specific life tables for the 50 states and District of Columbia by race (white and black) and sex. These tables are the most recent in a series of decennial life tables for the United States.

Methods—Data used to prepare these state-specific life tables include population counts by age on the census date of April 1, 2000; deaths occurring in the 3-year period of 1999–2001; and counts of U.S. resident births during 1997–2001. Methods for calculating the life tables were modified from the previous decennial life tables to automate the smoothing of age-specific mortality data and to allow for the estimation of life tables for smaller population subgroups, which often had insufficient data available to estimate reliable life tables under the previous method. The current method allows for the estimation of life tables for the black population in six states, which were never previously published due to small numbers of deaths. Standard errors for estimating life expectancy and probability of dying are also presented in this report.

Results—Among the 50 states, Hawaii had the highest life expectancy at birth during the 1999–2001 period at 80.23 years, and Mississippi had the lowest life expectancy at 73.88 years. Life expectancy for the District of Columbia was even lower at 73.09 years. State-specific life expectancy at birth improved from the previous decennial period (1989–1991) for all states and the District of Columbia. Life expectancy at age 65 ranged from 20.42 years in Hawaii to 16.61 years in Kentucky. Life expectancy at age 65 also improved for all states except Kentucky.

Keywords: life expectancy • survival • death rates • state mortality

Introduction

This report presents life tables for 1999–2001 for each of the 50 states and District of Columbia and is one of a series of reports presenting the U.S. decennial life tables for 1999–2001. The series, by the Centers for Disease Control and Prevention's National Center for Health Statistics (NCHS), also includes a report presenting U.S. national life tables (1); a report that describes in detail the methods used to estimate the national life tables (2); and a report on national life tables analyzed by major groups of cause of death (forthcoming).

Unlike U.S. national life tables, which are published both annually and decennially, state life tables are published only decennially. Each set of life tables in the decennial series is based on the decennial census of population and deaths in the 3-year period centered on the census year, (e.g., during 1979–1981, 1989–1991, and so forth). The decennial state life tables for 1999–2001 are the most recent in the series that began with the 1939–1941 period. For each of the 50 states and District of Columbia, life tables in this report are presented by race (white and black) and sex where the numbers of deaths were sufficient to produce reliable estimates.

Data and Methods

The life tables presented in this report are based on age-specific death rates calculated using data from the 2000 census of population (as of April 1, 2000) and deaths occurring in the United States in the 3 years proximate to the 2000 census (i.e., 1999–2001). Information on all resident deaths occurring in the 50 states and District of Columbia was collected from death certificates filed in state vital statistics offices and reported to NCHS as part of the National Vital Statistics System (NVSS). The general methodology used in preparing state life tables was originally developed by Thomas N.E. Greville for the 1939–1941 decennial life tables (3),



with modifications applied by later authors for the preparation of subsequent decennial tables. In preparing the state life tables for 1999–2001, significant changes were made to the previous estimation methodology. These changes resulted in improvements in the technique for smoothing the data and in the estimation of life tables for states with small numbers of deaths (i.e., where the total number of deaths in the data period for a population is less than 700; see “[Technical Notes](#)”).

The modified methodology for smoothing the data is based on a systematic statistical procedure, which ensures that estimation is efficient and repeatable, and that the resulting mortality estimates are objective and statistically optimized. Using the previous methodology, when the age distribution of observed death rates was not sufficiently smooth, the observed death rates were then manually adjusted by transferring deaths from one age group to another adjacent age group in an iterative manner until smoothness was achieved—a time-consuming process. The current life table methodology utilizes a parametric model (4) representing the typical shape of the age-specific mortality curve. This method results in a curve that is smoothed with minimized estimation errors. Details of this method are presented in the “[Technical Notes](#).”

Another significant improvement in the methodology involved estimating life tables for race and sex groups in states with small numbers of deaths. Life table estimation for these populations is complicated by concerns about reliability due to small numbers of observed deaths (5). Life tables for the previous decennial period 1989–1991 were not published for black populations in 18 states because of this concern. The criterion for publication required the total number of deaths for a population group during the 3-year period to be greater than 700. This criterion was derived from the calculation of coefficients of variation for death rates and life expectancies (5). To further reduce the minimum criterion for estimating life tables for small populations, a method of probability modeling with historical data was used (6). NCHS has well-documented mortality data for more than 30 years, and data from the historical record can be used to assist the estimation of current death rates (6,7); see “[Technical Notes](#)” for detail on the methodology. By applying this method, the minimum number of deaths criterion was reduced to 300 deaths for the 3-year period. As a result, life tables for the black population (males and females) in six states (Iowa, Minnesota, Nebraska, New Mexico, Oregon, and Rhode Island), unpublished in previous decennial series, are published for 1999–2001. Nevertheless, there are still 11 states (Alaska, Hawaii, Idaho, Maine, Montana, New Hampshire, North Dakota, South Dakota, Utah, Vermont, and Wyoming) in which the total number of deaths is insufficient for reliable estimation (i.e., less than 300 for either black females or black males or both). Life tables for the black population for these 11 states are not published in this series.

Explanation of life table and standard error table columns

Note: Data used for illustration are from Table IA–3 for females in Iowa.

Column 1—Age (x to $x + 1$) in years: Shows the interval of 1 year between the two exact ages indicated. For instance, “21–22”

indicates the interval between the 21st and the 22nd birthdays; in other words, the 22nd year of life before reaching the 22nd birthday.

Column 2—Probability of dying between ages x and $x + 1$ (q_x): Shows the proportion of the members of the life-table cohort alive at the beginning of the indicated year of age who will die before reaching their next birthday on the basis of the mortality rates of 1999–2001. For example, for females (Table IA–3) who reach age 21 in Iowa, the probability of dying before reaching their 22nd birthday is 0.00042—which means that out of every 1,000 females surviving to age 21, 0.42 will die before reaching their 22nd birthday.

Column 3—Number surviving to age x (l_x): Shows the number of persons, starting with a cohort of 100,000 live births, who will survive to the birthday marking the beginning of the indicated year of age. Thus, out of 100,000 female babies born alive in the cohort of Table IA–3, 99,640 will complete the first year of life and enter the second, 99,071 will reach age 21, and 74,718 will reach age 75.

Column 4—Number dying between ages x and $x + 1$ (d_x): Shows the number dying in each successive age interval out of 100,000 live births. Thus, out of 100,000 female babies born alive, 360 will die in the first year of life (ages 0–1), 41 in the 22nd year (ages 21–22), and 2,093 in the 76th year (ages 75–76). Each figure in column 4 is the difference between two successive numbers in column 3 (e.g., 41 deaths in the 22nd year are the surviving difference between 99,071 in the 22nd year and 99,030 in the 23rd year).

Columns 5 and 6—Person-years lived from ages x and $x + 1$ (L_x), and Total number of person-years lived above age x (T_x): Both columns describe the stationary population. Suppose that a group of 100,000 persons such as that assumed in column 3 are born every year, and that the proportion dying in each such group in each age interval throughout the lives of the members is exactly that shown in column 2. If there were no migration and if the births were evenly distributed over the year, the survivorship of these births would constitute what is called a stationary population, because in such a population the number of persons living within a given age interval would never change. When a person leaves an age interval, whether by death or growing older and entering the next higher age interval, his or her place would immediately be taken by someone entering from the next lower age interval. Thus, a census taken at any time in such a stationary community would always show the same total population and the same numerical distribution of that population among the various age intervals. In such a stationary population supported by 100,000 annual births, column 3 shows the number of persons who, each year, would reach the exact age that marks the beginning of the age interval indicated in column 1, and column 4 shows the number of persons who would die each year in that year of age interval. Column 5, L_x (person-years lived between ages x and $x + 1$), shows the number of persons in the stationary population in the indicated year of age. For example, the number shown in Table IA–3 for the year of age 21–22 is 99,051. This means that in a stationary population supported by 100,000 annual births, and with proportions dying in each age interval in accordance with column 2, a census taken on any date would show 99,051 persons at age 21 (i.e., between exact ages 21 and 22). Column 6, T_x (total number of person-years lived above age x), shows the total number of persons in the stationary population in the indicated year of age and all subsequent years of age. For example, in the stationary population of persons described above, column 6 shows

that there would be at any given moment a total of 6,052,029 persons who had reached their 21st birthday. The population at age 0 and above—in other words, the total persons of the stationary community—would be 8,139,133.

Column 7—Expectation of life at age x (e_x): The average remaining lifetime (also called expectation of life at age x) at any given age is the average number of years of remaining life to be lived by those surviving to that age, on the basis of a given set of age-specific rates of dying. To relate these figures to the preceding columns of the life table, it is necessary to observe that the figures in column 5 of the life tables can also be interpreted in terms of a single life-table cohort without introducing the concept of the stationary population. From this point of view, each figure in column 5 represents the total time in years lived between two indicated birthdays by all those reaching the younger age among the survivors of a cohort of 100,000 live births. Thus, the figure of 99,071 for females in Iowa in the year of age 21–22 is the total number of years of life between their 21st and 22nd birthdays by the 99,071 (column 3) who reached their 21st birthday out of the original cohort of 100,000 females born alive. The corresponding figure (6,052,029) in column 6 is the total number of years lived after attaining age 21 by the 99,071 reaching that exact age. This number of years divided by the number of persons (6,052,029 divided by 99,071) gives 61.09 years as the average remaining lifetime at age 21 for females in Iowa.

Standard errors (SEs)—The probabilities of dying and the expectation of life presented in this report are “point estimates.” They do not give the reader an indication of how accurate they are. Therefore, SEs for estimates of q_x and e_x are also presented. SEs of probability of dying and of life expectancy contain six and three decimal places, respectively, and are shown in Tables IA–10 and Table IA–11 for Iowa. Nine life tables for the total population—by race, by sex, and by race and sex—are based on a complete count of resident deaths in Iowa during 1999, 2000, and 2001. As such, they are not subject to sampling error. However, even complete counts may be considered as one of a large series of possible results that could have arisen under the same circumstances. This type of variation is known as random error. The SEs shown in this report reflect random error only, not other errors such as misreporting of age on death certificates or in the census.

SEs can be used to develop confidence intervals (CIs) within which the point estimates are expected to lie with a probability level of $1 - \alpha$. Even though 68 percent CIs are rarely used because of their high degree of uncertainty, they are shown here to demonstrate the method of construction of CIs. To obtain a 68 percent CI for the probability of dying at any age, take the point estimate from column 2 of the appropriate life table and add and subtract one SE from the table that gives the SEs of the probability of dying [68 percent CI = point estimate $\pm 1.00(\text{SE})$]. The 95 percent CI is obtained by adding and subtracting two (1.96 for exact value) SEs [95 percent CI = point estimate $\pm 1.96(\text{SE})$]. For example, the probability that a 50-year-old female in Iowa will die before her 51st birthday is 0.00262 (Table IA–3) with an SE of 0.000206 (Table IA–10). Therefore, the 68 percent CI is from 0.002414 to 0.002826, and the 95 percent CI is from 0.002208 to 0.003032. The life expectancy of a 50-year-old female is 33.29 years (Table IA–3) with an SE of 0.055 years (Table IA–11); the 68 percent CI for the life expectancy is, therefore, from 33.135 to 33.345 years, and the 95 percent CI is from 33.080 to 33.400 years.

Results and Discussion

Life tables for the 50 states and District of Columbia

Complete life tables

A set of complete life tables (age interval in 1 year from 0 to 109 years) for each state and the District of Columbia is available online from “U.S. Decennial Life Tables for 1999–2001: State Life Tables” at <http://www.cdc.gov/nchs/nvss/mortality/lewk4.htm>. All table titles are listed in Table II. These tables are numbered using the FIPS alpha code for the state combined with a table code. The table code is denoted as 1 for the total population, 2 for total males, 3 for total females, 4 for total white persons, 5 for white males, 6 for white females, 7 for total black persons, 8 for black males, 9 for black females, 10 for the standard error of q_x , and 11 for the standard error of e_x . For example, Table AL–3 included in this report shows the complete life table for total females in Alabama, and Table KY–11 shows $S^2(e_x)$ for Kentucky.

Summary tables for population surviving and life expectancy at 5-year intervals

Table 1 summarizes survivorship by age (in 5-year age intervals), race (white and black), and sex for the 50 states and District of Columbia. Table 2 summarizes life expectancy by age, race, and sex in the same way. Both tables are constructed by abstracting figures from column 3 (l_x) (Table 1) and column 7 (e_x) (Table 2) from the complete tables at age 0, 5, 10, ..., 105 years for all nine subpopulations.

Life expectancy at birth (e_0) and at age 65 (e_{65})

Life expectancy at birth (e_0) by race and sex for the United States, each state, and the District of Columbia is presented in rank order in Table A. Figure 1 shows the geographic distribution for the United States. At the state level for the total population, Hawaii had the highest e_0 at 80.23 years; Mississippi, at 73.88 years, had the lowest. The e_0 in the District of Columbia was 73.09 years. Table B shows the change in e_0 in rank order for the 50 states and District of Columbia between the two decennial periods 1989–1991 and 1999–2001. The District of Columbia had a substantial improvement (5.10 years)—higher than all of the states. Among the states, New York had the largest improvement during this period (3.52 years) and Wyoming had the smallest improvement (0.43 years). For race-sex specific groups, the District of Columbia had substantial improvements in all population groups (7.58, 3.25, 7.06, and 2.85 years for white males, white females, black males, and black females, respectively). Among the states, New York had the largest improvements during this period for all race-sex-specific groups (3.77, 2.46, 6.27, and 3.49 years for white males, white females, black males, and black females, respectively). Oklahoma had the smallest improvements for both white males (1.24 years) and white females (0.16 years). Kansas had the smallest improvement of all states for black males (0.99 years), while Kentucky had the smallest improve-

Table A. Life expectancy at birth, by race and sex: United States, each state, and the District of Columbia, 1999–2001

Rank	Area and state	Total			White			Black		
		Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
1	Hawaii	80.23	77.17	83.65	80.64	78.40	83.31	*	*	*
2	Minnesota	79.26	76.74	81.80	79.75	77.03	82.61	74.06	71.59	76.60
3	North Dakota	79.06	75.96	82.61	79.53	76.65	82.67	*	*	*
4	Connecticut	78.90	76.13	81.63	79.36	76.73	81.92	74.81	71.73	77.71
5	Utah	78.89	76.84	80.95	78.93	76.95	80.93	*	*	*
6	California	78.80	76.02	81.63	78.71	76.11	81.36	73.23	69.97	76.67
7	New Hampshire	78.79	76.24	81.40	78.88	76.46	81.30	*	*	*
8	Iowa	78.76	76.11	81.39	78.77	76.19	81.35	72.91	70.81	75.16
9	Massachusetts	78.76	75.79	81.68	79.01	76.35	81.63	76.36	73.14	79.33
10	Colorado	78.72	76.29	81.16	78.73	76.23	81.31	74.13	71.71	76.59
11	Rhode Island	78.65	75.83	81.42	78.85	76.06	81.60	74.84	72.18	77.39
12	Washington	78.64	76.18	81.14	78.51	76.10	80.98	74.29	71.90	77.11
13	Wisconsin	78.56	75.61	81.64	78.93	76.12	81.87	71.51	68.41	74.34
14	Nebraska	78.37	76.00	80.78	78.63	76.17	81.14	71.88	69.15	74.67
15	South Dakota	78.34	75.19	81.79	79.33	76.35	82.61	*	*	*
16	Idaho	78.29	76.18	80.50	78.44	76.46	80.53	*	*	*
17	Vermont	78.24	76.18	80.29	78.57	76.30	80.90	*	*	*
18	New York	78.20	75.13	81.16	78.66	75.78	81.49	74.24	70.13	77.84
19	Arizona	78.15	75.25	81.16	78.49	75.51	81.64	74.03	70.95	77.70
20	Florida	78.10	74.97	81.40	78.79	75.64	82.14	72.22	68.98	75.53
21	Oregon	78.09	75.82	80.37	77.96	75.72	80.20	74.03	70.67	78.24
22	Kansas	77.78	74.84	80.88	78.18	75.46	81.00	71.70	68.47	75.02
23	Montana	77.74	75.18	80.56	77.94	75.07	81.24	*	*	*
24	New Jersey	77.58	74.77	80.32	78.59	75.82	81.32	72.30	68.85	75.54
25	Maine	77.46	75.23	79.63	78.23	75.59	80.88	*	*	*
26	New Mexico	77.26	74.52	80.06	77.89	75.19	80.69	72.97	71.63	74.37
27	Illinois	77.06	73.91	80.26	78.05	75.33	80.78	70.62	66.81	74.20
28	Texas	77.04	74.12	80.05	77.51	74.74	80.35	72.06	69.18	74.76
29	Delaware	77.04	74.24	79.78	77.80	75.05	80.55	72.69	70.27	75.21
30	Pennsylvania	77.02	74.09	79.90	77.87	75.03	80.65	71.32	67.26	75.34
31	Virginia	76.95	74.48	79.34	78.17	75.62	80.69	72.79	69.37	76.20
32	Michigan	76.90	73.98	79.83	77.92	75.26	80.59	71.62	67.38	75.95
	United States	76.83	74.10	79.45	77.41	74.74	79.97	71.74	68.08	75.12
33	Wyoming	76.64	74.83	78.55	77.74	75.33	80.41	*	*	*
34	Alaska	76.63	74.18	79.41	77.61	75.45	80.10	*	*	*
35	Missouri	76.52	73.59	79.46	77.08	74.29	79.93	70.94	67.22	74.50
36	Indiana	76.47	73.55	79.45	76.97	74.24	79.69	71.98	67.47	76.55
37	Ohio	76.49	73.94	78.95	77.31	74.58	80.01	71.86	68.60	74.91
38	Maryland	76.36	73.55	79.08	78.13	75.58	80.66	72.20	68.41	75.78
39	North Carolina	76.27	73.05	79.56	77.27	74.27	80.34	71.45	66.33	76.68
40	Nevada	76.05	73.34	79.24	76.03	73.49	78.97	72.57	70.56	74.75
41	Oklahoma	75.61	72.75	78.59	75.82	73.00	78.75	71.74	68.97	74.34
42	Arkansas	75.43	72.05	78.99	76.28	73.17	79.59	70.59	67.30	73.58
43	Tennessee	75.29	71.98	78.66	76.22	73.31	79.28	70.68	66.86	74.16
44	West Virginia	75.28	72.75	77.84	75.51	72.75	78.36	71.34	69.87	72.65
45	Georgia	75.27	72.28	78.22	76.68	73.88	79.53	72.36	68.29	76.16
46	Kentucky	75.20	72.25	78.20	75.59	72.73	78.42	71.71	69.01	74.46
47	South Carolina	75.04	71.68	78.49	76.70	73.76	79.77	71.45	67.34	75.41
48	Alabama	74.80	71.32	78.34	75.96	72.85	79.14	70.82	66.42	74.94
49	Lousiana	74.28	71.12	77.44	76.38	73.47	79.41	70.77	66.45	75.30
50	Mississippi	73.88	70.30	77.62	75.60	72.25	79.13	70.38	66.72	73.68
51	District Columbia	73.09	68.57	77.59	81.54	78.94	84.31	69.61	64.59	74.46

* Figure does not meet standards of reliability or precision; see "Technical Notes."

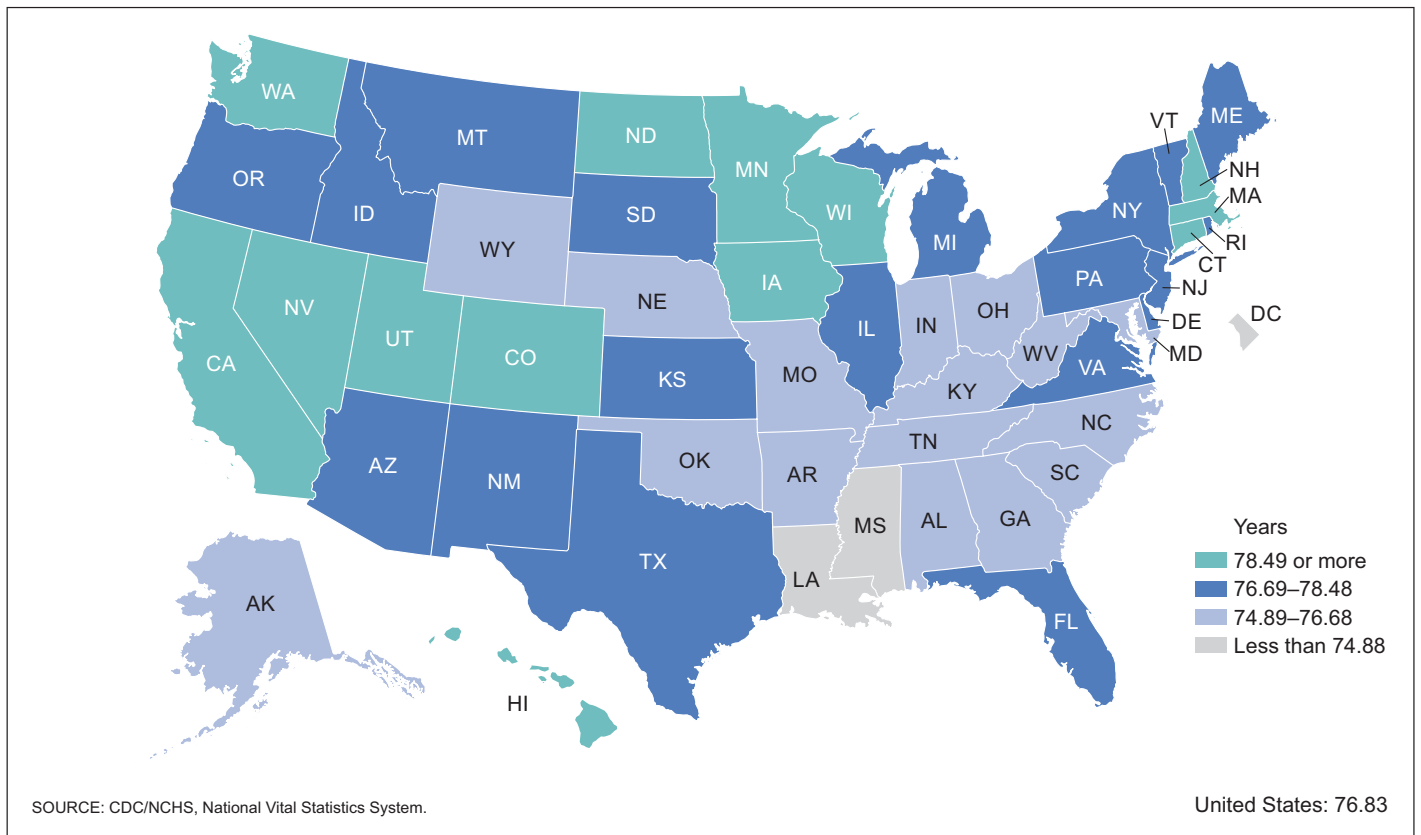


Figure 1. Life expectancy at birth: United States, each state, and District of Columbia, 1999–2001

ment (0.33 years) for black females. Also for black females, Arkansas had no improvement, and Kansas, Mississippi, Oklahoma, Wisconsin, and West Virginia even had declines in e_0 (−0.02, −0.14, −0.14, −0.93, and −1.71 years, respectively).

Sex differences in e_0 are presented graphically by quartile in [Figure 2](#). Life expectancy at birth is higher for the female population in all states and the District of Columbia. The differences in e_0 between females and males range from 9.03 years in the District of Columbia to 3.72 years in Wyoming.

For 39 states and the District of Columbia for which there is sufficient data to determine life tables for the black population, the differences in e_0 between the white and black populations are presented by quartile in [Figure 3](#). The e_0 is higher for the white population than for the black population for all states and the District of Columbia. The differences between the white and black populations in e_0 range from 11.93 years in the District of Columbia to 0.26 years in Nebraska.

Life expectancy at age 65 (e_{65}) is presented in [Table C](#) and ranges from 20.42 years in Hawaii to 16.61 years in Kentucky. [Figure 4](#) shows the change in e_{65} between the two decennial periods 1989–1991 and 1999–2001 for each state (total population). Arizona had the largest improvement (1.55 years), and Louisiana had the smallest improvement (0.40 years), while Kentucky actually had a slight decline (−0.52 years). For race-sex-specific groups, the District of Columbia had e_{65} higher than all of the states for white persons (18.88 and 22.79 years for males and females, respectively). Of the states, the highest e_{65} are 18.68 (Hawaii), 21.82 (Florida), 16.37 (Connecticut), and 20.18 (Massachusetts) years for white males, white females, black males, and black females, respectively. The lowest e_{65} are 15.35 (Mississippi), 18.34 (Kentucky), 12.63 (Louisiana), and 16.20 (Arkansas) years for white males, white females, black males, and black females, respectively.

Table B. Change in life expectancy at birth from 1989–1991 to 1999–2001: United States, each state, and the District of Columbia

Rank	State	Total			White			Black		
		Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
1	District of Columbia	5.10	6.60	3.36	5.45	7.58	3.25	5.17	7.06	2.85
2	New York	3.52	4.27	2.84	3.05	3.77	2.46	4.91	6.27	3.49
3	California	2.94	3.49	2.44	2.79	3.50	2.10	3.58	4.54	2.60
4	Delaware	2.28	2.61	2.04	2.04	2.30	1.93	3.43	4.76	2.30
5	Florida	2.26	2.87	1.80	1.97	2.45	1.68	3.45	4.72	2.25
6	Illinois	2.16	2.57	1.95	1.89	2.50	1.45	3.16	4.40	1.81
7	New Jersey	2.16	2.61	1.83	2.13	2.45	1.98	3.83	4.98	2.66
8	Rhode Island	2.11	2.83	1.65	2.05	2.75	1.63	*	*	*
9	New Hampshire	2.07	2.72	1.63	2.20	2.98	1.56	*	*	*
10	Arizona	2.05	2.59	1.58	2.07	2.47	1.80	3.19	3.75	2.80
11	Massachusetts	2.04	2.47	1.88	2.11	2.81	1.68	3.91	4.97	2.83
12	Hawaii	2.02	1.80	2.39	2.72	3.28	2.22	*	*	*
13	Connecticut	1.99	2.51	1.66	1.92	2.48	1.55	3.97	5.69	2.27
14	Texas	1.90	2.71	1.18	1.76	2.66	0.93	2.27	3.82	0.53
15	Nevada	1.87	2.38	1.48	1.59	2.23	0.98	*	*	*
16	Michigan	1.86	2.27	1.59	1.74	2.20	1.45	3.13	3.70	2.77
17	Washington	1.82	2.34	1.40	1.59	2.13	1.17	2.95	3.99	1.53
18	Alaska	1.80	2.58	0.81	1.78	2.63	0.70	*	*	*
19	North Carolina	1.79	2.47	1.29	1.38	2.06	0.90	2.07	1.95	2.44
20	Colorado	1.76	2.50	1.15	1.67	2.35	1.18	1.72	2.75	0.70
21	Virginia	1.73	2.71	0.78	1.83	2.58	1.21	2.74	3.62	1.83
22	Vermont	1.70	2.89	0.61	2.07	3.05	1.25	*	*	*
23	Wisconsin	1.69	2.00	1.61	1.75	2.13	1.60	0.55	1.99	−0.93
24	Georgia	1.66	2.63	0.76	1.44	2.42	0.59	3.57	4.31	2.82
25	Oregon	1.65	2.61	0.70	1.45	2.44	0.47	*	*	*
26	Pennsylvania	1.64	2.18	1.24	1.72	2.22	1.37	3.05	3.93	2.32
27	Maryland	1.57	2.24	0.95	1.83	2.38	1.43	2.51	3.42	1.47
28	South Carolina	1.53	2.09	1.15	1.37	2.14	0.80	2.63	3.27	2.06
29	New Mexico	1.52	2.32	0.73	1.81	2.53	1.16	*	*	*
30	Montana	1.51	2.13	1.07	1.22	1.48	1.32	*	*	*
31	Minnesota	1.50	2.21	0.95	1.78	2.25	1.59	*	*	*
32	Iowa	1.47	2.22	0.85	1.39	2.21	0.73	*	*	*
	United States	1.46	2.27	0.64	1.28	2.02	0.52	2.58	3.61	1.39
33	Nebraska	1.45	2.43	0.61	1.42	2.30	0.70	*	*	*
34	North Dakota	1.44	1.61	1.62	1.54	1.91	1.35	*	*	*
35	South Dakota	1.43	2.02	1.02	1.42	2.05	1.02	*	*	*
36	Idaho	1.41	2.30	0.57	1.55	2.56	0.60	*	*	*
37	Missouri	1.27	2.05	0.64	1.06	1.86	0.45	2.13	3.35	0.98
38	Louisiana	1.23	2.02	0.51	1.51	2.32	0.87	2.15	2.61	2.14
39	Utah	1.19	1.91	0.57	1.16	1.95	0.49	*	*	*
40	Ohio	1.17	1.95	0.50	1.38	1.88	1.06	1.71	2.80	0.62
41	Alabama	1.16	1.73	0.73	0.95	1.73	0.29	1.59	2.05	1.18
42	Maine	1.11	2.25	0.02	1.88	2.61	1.27	*	*	*
43	Arkansas	1.10	1.51	0.86	1.08	1.63	0.70	1.66	3.27	0.00
44	Indiana	1.08	1.56	0.83	1.15	1.80	0.66	2.18	1.60	2.99
45	Kansas	1.02	1.44	0.89	1.12	1.74	0.75	0.48	0.99	−0.02
46	West Virginia	1.02	2.22	−0.09	1.14	2.09	0.34	1.59	4.87	−1.71
47	Tennessee	0.97	1.60	0.48	0.95	1.93	0.18	1.71	2.45	0.92
48	Mississippi	0.85	1.40	0.52	0.82	1.51	0.31	0.97	2.06	−0.14
49	Kentucky	0.83	1.53	0.23	0.94	1.72	0.18	1.55	2.95	0.33
50	Oklahoma	0.51	1.12	0.10	0.61	1.24	0.16	0.89	1.87	−0.14
51	Wyoming	0.43	1.67	−0.74	1.40	2.06	0.95	*	*	*

* Figure does not meet standards of reliability or precision; see "Technical Notes."

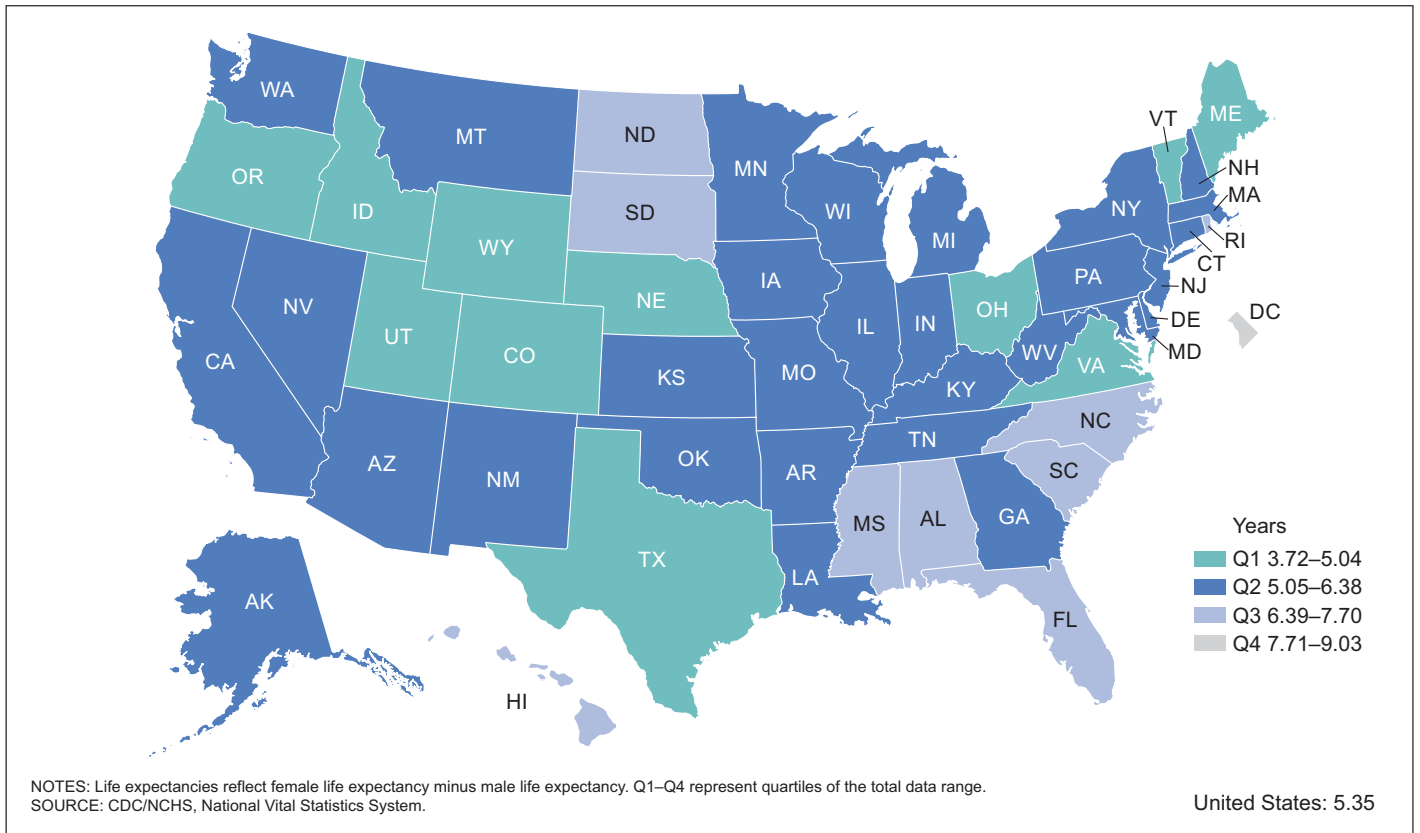


Figure 2. Sex differences in life expectancy at birth: United States, each state, and District of Columbia, 1999–2001

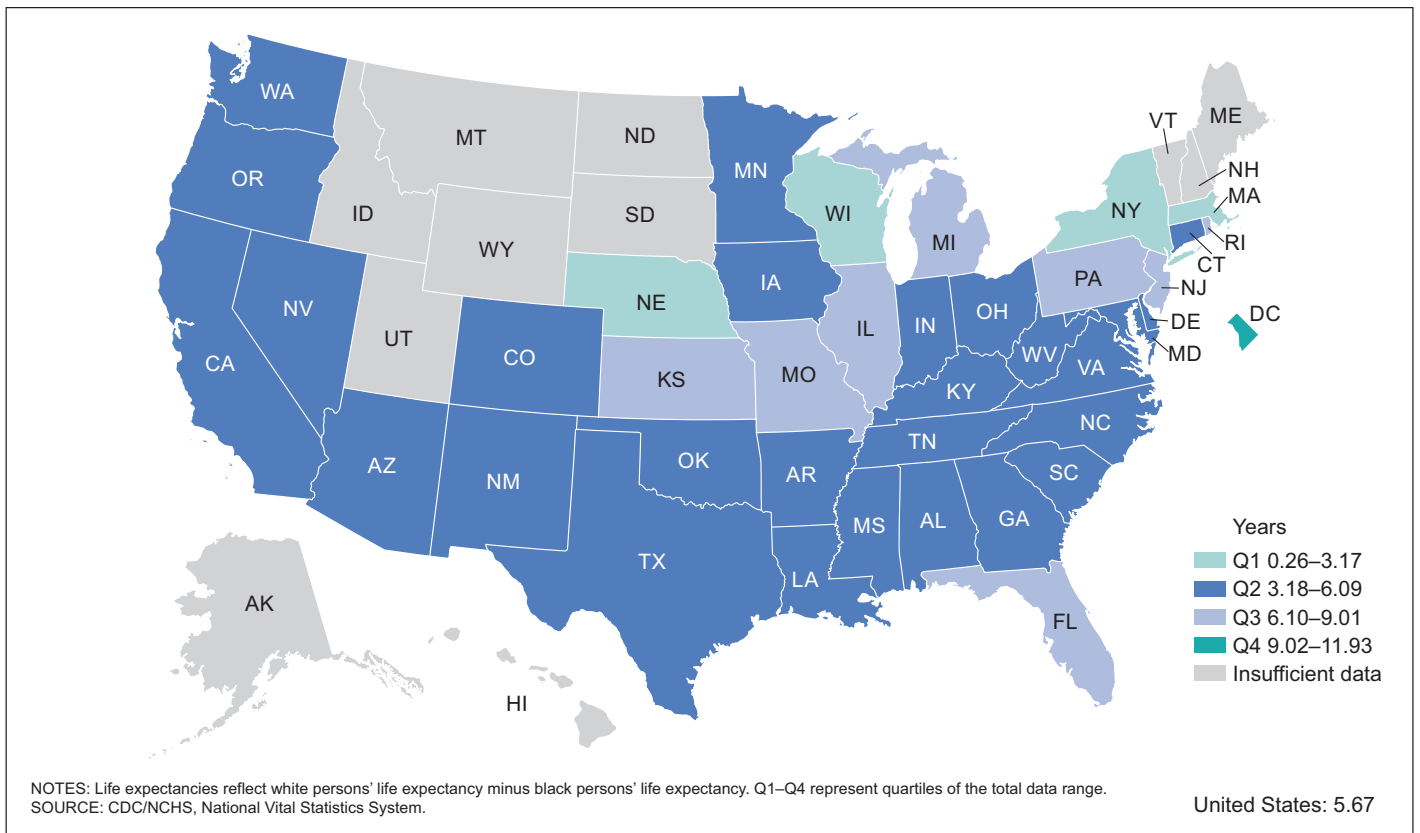


Figure 3. Racial differences in life expectancy at birth: United States, each state, and District of Columbia, 1999–2001

Table C. Life expectancy at age 65, by race and sex: United States, each state, and the District of Columbia, 1999–2001

Rank	State	All races			White			Black		
		Total	Male	Female	Total	Male	Female	Total	Male	Female
1	Hawaii	20.42	18.17	22.87	20.15	18.68	21.76	*	*	*
2	Florida	19.54	17.58	21.52	19.80	17.80	21.82	16.20	13.86	18.52
3	Arizona	19.48	17.95	20.95	19.53	17.88	21.15	17.56	15.39	19.84
4	South Dakota	19.33	17.34	21.35	19.43	17.42	21.48	*	*	*
5	North Dakota	19.24	16.95	21.78	19.42	17.44	21.50	*	*	*
6	Colorado	19.09	17.59	20.48	19.10	17.58	20.50	16.90	15.63	18.02
7	Connecticut	19.08	17.26	20.74	19.30	17.64	20.77	18.10	16.37	19.49
8	California	19.08	17.27	20.80	19.07	17.45	20.57	16.70	14.52	18.88
9	Minnesota	19.03	17.49	20.46	19.40	17.49	21.31	16.51	15.34	17.52
10	Utah	19.03	18.01	19.96	18.97	17.99	19.87	*	*	*
11	Rhode Island	19.02	17.03	20.84	18.95	17.01	20.70	17.55	15.87	19.01
12	Wisconsin	18.87	16.91	20.80	18.99	17.10	20.82	15.81	14.22	17.15
13	Washington	18.80	17.28	20.23	18.66	17.22	19.99	16.60	15.03	18.17
14	Iowa	18.80	17.11	20.34	18.80	17.13	20.33	15.76	14.42	16.97
15	New York	18.74	16.69	20.60	18.98	17.07	20.70	17.24	14.72	19.21
16	Montana	18.65	17.05	20.29	18.22	16.36	20.37	*	*	*
17	Massachusetts	18.65	16.57	20.59	18.80	16.88	20.52	18.45	16.30	20.18
18	Idaho	18.63	17.36	19.82	18.63	17.34	19.86	*	*	*
19	Nebraska	18.61	17.13	19.96	18.68	17.18	20.05	15.50	13.80	17.06
20	New Mexico	18.56	17.46	19.60	19.05	17.85	20.18	16.23	15.04	17.50
21	Kansas	18.46	16.42	20.52	18.78	16.92	20.58	15.98	14.12	17.65
22	New Hampshire	18.42	16.77	19.99	18.70	17.25	20.02	*	*	*
23	Oregon	18.40	17.16	19.51	18.35	17.14	19.43	16.97	14.79	19.49
24	Delaware	18.27	16.60	19.83	18.41	16.81	19.90	16.19	14.12	18.17
25	Vermont	18.17	16.96	19.23	18.52	16.95	19.99	*	*	*
26	New Jersey	18.10	16.19	19.81	18.66	16.79	20.34	16.38	14.20	18.30
27	Illinois	18.05	15.95	20.05	18.40	16.61	20.01	15.70	13.66	17.44
28	Texas	18.02	16.17	19.79	18.34	16.65	19.90	15.50	13.88	16.84
29	Michigan	18.01	16.17	19.74	18.34	16.67	19.86	16.94	14.84	18.82
30	Missouri	17.98	16.17	19.66	18.09	16.30	19.76	15.48	13.51	17.15
31	Alaska	17.97	16.62	19.38	18.02	16.76	19.35	*	*	*
32	North Carolina	17.95	15.82	19.94	18.11	16.23	19.86	16.47	13.60	19.03
33	Pennsylvania	17.93	16.09	19.56	18.41	16.66	19.93	15.88	13.42	18.12
	United States	17.77	16.11	19.12	17.88	16.22	19.23	16.14	14.12	17.65
34	Maryland	17.66	16.13	18.97	18.41	16.86	19.78	16.91	15.36	18.19
35	Indiana	17.64	15.69	19.48	17.89	16.14	19.47	15.85	13.54	18.08
36	Wyoming	17.62	16.55	18.68	18.54	16.96	20.20	*	*	*
37	Virginia	17.53	16.09	18.76	18.30	16.62	19.81	15.95	13.71	18.07
38	Arkansas	17.50	15.41	19.57	17.85	15.91	19.73	14.91	13.24	16.20
39	Nevada	17.49	15.78	19.45	17.32	15.84	18.94	16.30	15.21	17.35
40	Oklahoma	17.48	15.65	19.25	17.64	15.92	19.29	15.27	13.93	16.37
41	Maine	17.41	16.20	18.48	18.39	16.72	19.95	*	*	*
42	Ohio	17.37	15.90	18.63	17.92	16.18	19.49	15.92	14.43	17.17
43	South Carolina	17.25	15.14	19.23	17.83	16.02	19.51	15.80	13.32	17.97
44	Tennessee	17.24	15.14	19.21	17.66	15.67	19.50	15.34	13.27	17.03
45	District of Columbia	17.21	14.52	19.72	20.81	18.88	22.79	15.84	13.58	17.65
46	Alabama	17.20	14.99	19.26	17.64	15.70	19.43	16.29	14.06	18.14
47	Georgia	16.88	15.06	18.46	17.63	15.79	19.28	16.06	13.42	18.29
48	Mississippi	16.86	14.50	19.17	17.48	15.35	19.50	15.63	14.35	16.53
49	West Virginia	16.80	15.48	17.94	17.04	15.37	18.54	15.84	14.30	17.01
50	Louisiana	16.74	14.96	18.32	17.85	16.03	19.52	15.38	12.63	18.20
51	Kentucky	16.61	14.77	18.29	16.97	15.39	18.34	15.43	13.29	17.40

* Figure does not meet standards of reliability or precision; see "Technical Notes."

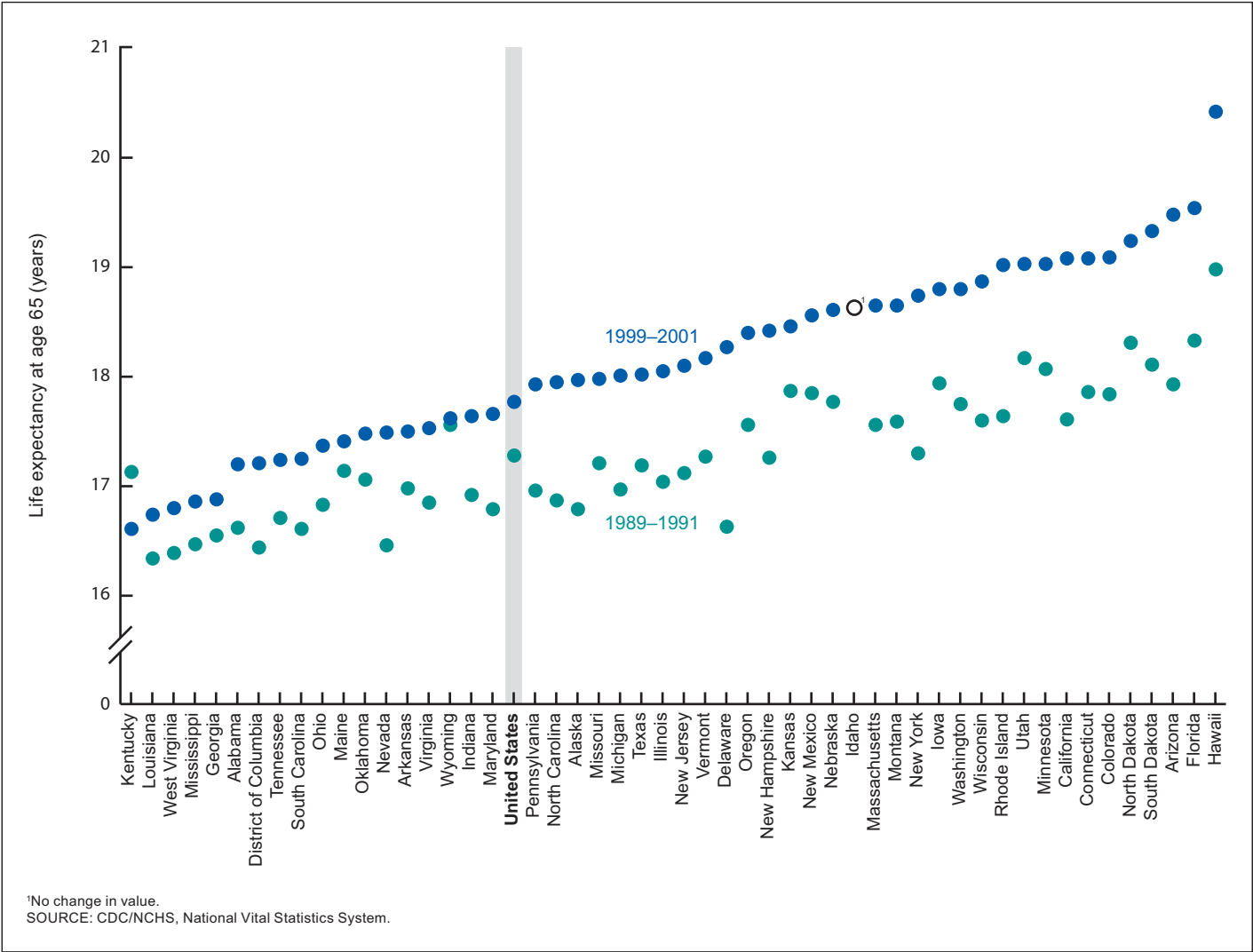


Figure 4. Life expectancy at age 65 for total population for two decennials, by state: United States, 1999–2001 and 1989–1991

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List of Detailed Tables

1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001	10
2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001	31

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
United States									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,176	99,095	99,261	99,312	99,243	99,385	98,382	98,219	98,550
10	99,097	99,008	99,190	99,239	99,163	99,319	98,271	98,093	98,455
15	98,998	98,890	99,111	99,146	99,052	99,245	98,139	97,930	98,354
20	98,664	98,426	98,915	98,826	98,615	99,049	97,701	97,274	98,141
25	98,202	97,746	98,682	98,405	98,002	98,835	96,944	96,099	97,784
30	97,750	97,112	98,418	98,000	97,434	98,601	96,140	94,934	97,313
35	97,199	96,382	98,052	97,504	96,772	98,282	95,160	93,631	96,630
40	96,419	95,384	97,492	96,796	95,855	97,789	93,801	91,930	95,585
45	95,268	93,931	96,645	95,755	94,522	97,047	91,754	89,411	93,970
50	93,591	91,800	95,420	94,233	92,573	95,958	88,726	85,596	91,661
55	91,211	88,862	93,597	92,032	89,854	94,284	84,588	80,417	88,478
60	87,595	84,478	90,739	88,614	85,710	91,591	78,869	73,369	83,963
65	82,224	78,083	86,367	83,423	79,515	87,391	71,448	64,588	77,781
70	74,794	69,350	80,158	76,132	70,912	81,346	62,126	53,926	69,634
75	64,561	57,572	71,257	65,946	59,139	72,546	50,804	41,441	59,239
80	50,819	42,683	58,411	52,100	44,043	59,681	37,828	28,326	46,358
85	34,471	26,473	41,798	35,421	27,376	42,820	24,589	16,433	31,987
90	18,472	12,447	23,918	18,943	12,817	24,475	13,157	7,579	18,309
95	6,871	3,847	9,553	6,963	3,892	9,673	5,349	2,549	7,972
100	1,477	643	2,181	1,453	624	2,145	1,485	560	2,346
105	144	46	217	134	41	201	246	70	400
Alabama									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	98,909	98,704	99,054	99,205	99,044	99,324	98,285	97,955	98,488
10	98,800	98,584	98,957	99,114	98,938	99,248	98,141	97,804	98,351
15	98,659	98,415	98,846	98,972	98,762	99,143	98,000	97,645	98,230
20	98,187	97,751	98,571	98,475	98,089	98,833	97,559	96,967	98,020
25	97,529	96,786	98,218	97,922	97,299	98,526	96,661	95,570	97,565
30	96,880	95,904	97,801	97,404	96,607	98,190	95,734	94,218	97,008
35	96,143	95,006	97,225	96,787	95,822	97,749	94,546	92,547	96,232
40	95,154	93,810	96,440	95,942	94,762	97,127	92,814	90,126	95,090
45	93,732	92,057	95,344	94,673	93,183	96,179	90,285	86,709	93,346
50	91,656	89,463	93,778	92,773	90,827	94,746	86,824	82,230	90,832
55	88,616	85,660	91,505	89,949	87,350	92,592	82,268	76,499	87,429
60	84,229	80,194	88,188	85,823	82,308	89,388	76,362	69,338	82,742
65	78,013	72,563	83,369	79,920	75,191	84,700	68,876	60,619	76,422
70	69,486	62,368	76,492	71,776	65,540	78,068	59,654	50,345	68,157
75	58,426	49,624	67,009	61,007	53,225	68,739	48,780	38,796	57,812
80	45,126	35,187	54,664	47,762	38,873	56,341	36,693	26,737	45,649
85	30,531	21,042	39,984	32,864	24,251	41,336	24,355	15,557	32,558
90	16,963	9,815	24,789	18,632	12,005	25,599	13,461	6,992	20,118
95	7,067	3,208	12,003	7,938	4,258	12,277	5,707	2,124	10,175
100	1,950	638	4,046	2,239	945	4,037	1,661	360	3,905
105	303	65	814	354	111	772	288	27	1,032
Alaska									
0	100,000	100,000	100,000	100,000	100,000	100,000	*	*	*
5	99,058	98,950	99,153	99,407	99,338	99,465	*	*	*
10	98,974	98,842	99,094	99,343	99,257	99,418	*	*	*
15	98,833	98,643	99,016	99,232	99,113	99,342	*	*	*
20	98,324	97,936	98,727	98,846	98,587	99,116	*	*	*
25	97,591	96,945	98,292	98,349	97,896	98,845	*	*	*
30	96,858	95,923	97,872	97,860	97,185	98,602	*	*	*
35	96,170	94,982	97,464	97,295	96,386	98,299	*	*	*
40	95,421	94,008	96,957	96,613	95,501	97,841	*	*	*
45	94,428	92,787	96,210	95,682	94,376	97,123	*	*	*
50	92,955	91,042	95,049	94,287	92,750	95,998	*	*	*
55	90,692	88,422	93,229	92,132	90,285	94,245	*	*	*

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Alaska—Con.									
60	87,236	84,464	90,398	88,827	86,516	91,537	*	*	*
65	82,041	78,582	86,056	83,826	80,834	87,414	*	*	*
70	74,551	70,126	79,648	76,638	72,568	81,512	*	*	*
75	64,102	58,621	70,370	66,334	61,055	72,608	*	*	*
80	50,675	44,259	57,709	52,655	46,330	59,777	*	*	*
85	34,989	28,553	42,063	36,137	29,892	43,131	*	*	*
90	19,610	14,499	25,493	19,654	15,003	25,031	*	*	*
95	8,014	5,152	11,632	7,426	5,148	10,222	*	*	*
100	2,055	1,090	3,465	1,614	1,011	2,412	*	*	*
105	271	112	556	157	90	251	*	*	*
Arizona									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,232	99,068	99,357	99,247	99,159	99,319	98,043	98,170	97,958
10	99,143	98,962	99,286	99,162	99,063	99,246	97,940	98,052	97,871
15	99,025	98,821	99,193	99,059	98,934	99,171	97,845	97,924	97,812
20	98,626	98,250	98,980	98,696	98,425	98,967	97,387	97,268	97,574
25	98,092	97,456	98,740	98,213	97,696	98,760	96,720	96,375	97,177
30	97,560	96,681	98,477	97,722	96,995	98,503	96,074	95,457	96,859
35	96,961	95,881	98,102	97,145	96,226	98,140	95,256	94,378	96,357
40	96,155	94,845	97,540	96,379	95,234	97,613	94,131	92,997	95,546
45	94,991	93,371	96,697	95,279	93,808	96,855	92,551	91,102	94,341
50	93,292	91,238	95,436	93,676	91,725	95,735	90,267	88,363	92,590
55	90,822	88,171	93,561	91,327	88,707	94,055	86,970	84,439	90,063
60	87,279	83,819	90,797	87,919	84,396	91,522	82,394	78,922	86,452
65	82,247	77,772	86,775	83,001	78,368	87,715	76,040	71,382	81,376
70	75,211	69,627	80,904	76,057	70,195	82,081	67,555	61,502	74,415
75	65,775	59,145	72,567	66,675	59,615	73,980	56,926	49,331	65,211
80	53,871	46,522	61,341	54,732	46,813	62,878	44,385	35,633	53,680
85	39,927	32,721	47,352	40,597	32,780	48,780	30,813	22,104	40,330
90	25,519	19,585	31,845	25,872	19,440	32,875	18,093	11,019	26,539
95	13,129	9,315	17,412	13,172	9,088	17,883	8,375	4,033	14,437
100	4,940	3,209	7,014	4,838	3,039	7,061	2,782	962	5,998
105	1,196	710	1,819	1,117	641	1,748	588	129	1,713
Arkansas									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,025	98,760	99,220	99,237	99,205	99,274	98,379	98,238	98,466
10	98,920	98,636	99,136	99,138	99,091	99,193	98,250	98,078	98,369
15	98,771	98,462	99,015	98,991	98,915	99,076	98,089	97,889	98,238
20	98,323	97,841	98,751	98,536	98,281	98,812	97,656	97,304	97,958
25	97,706	96,966	98,400	97,981	97,514	98,480	96,806	96,001	97,524
30	97,064	96,072	98,019	97,463	96,813	98,158	95,725	94,463	96,851
35	96,369	95,157	97,551	96,793	95,925	97,717	94,625	93,035	96,035
40	95,461	94,005	96,890	95,944	94,844	97,108	93,188	91,216	94,933
45	94,145	92,363	95,905	94,706	93,270	96,218	91,211	88,746	93,393
50	92,193	89,941	94,423	92,872	90,934	94,893	88,366	85,214	91,197
55	89,293	86,377	92,201	90,148	87,496	92,897	84,276	80,221	88,010
60	85,065	81,218	88,903	86,160	82,522	89,894	78,557	73,333	83,384
65	79,015	73,950	84,089	80,406	75,512	85,428	70,747	64,182	76,777
70	70,693	64,131	77,279	72,376	66,012	78,899	60,520	52,680	67,656
75	59,794	51,675	67,912	61,709	53,874	69,703	48,074	39,352	55,745
80	46,560	37,295	55,739	48,566	39,674	57,492	34,060	25,627	41,475
85	31,914	22,853	41,257	33,744	25,088	42,668	20,376	13,693	26,465
90	18,109	11,016	26,153	19,463	12,690	26,962	9,521	5,524	13,443
95	7,803	3,760	13,179	8,537	4,654	13,380	3,124	1,506	4,896
100	2,271	790	4,757	2,524	1,086	4,652	625	241	1,111
105	383	86	1,070	430	137	971	64	19	131

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
California									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,437	99,296	99,536	99,398	99,338	99,447	98,539	98,460	98,600
10	99,374	99,224	99,480	99,332	99,268	99,385	98,439	98,353	98,507
15	99,287	99,123	99,410	99,247	99,167	99,317	98,318	98,209	98,410
20	99,011	98,732	99,259	98,973	98,778	99,167	97,873	97,527	98,218
25	98,624	98,160	99,077	98,587	98,218	98,978	97,144	96,366	97,937
30	98,250	97,632	98,869	98,228	97,711	98,783	96,398	95,293	97,516
35	97,816	97,072	98,569	97,787	97,125	98,501	95,596	94,240	96,970
40	97,192	96,294	98,107	97,144	96,306	98,048	94,454	92,877	96,050
45	96,242	95,120	97,388	96,168	95,079	97,337	92,751	90,882	94,642
50	94,789	93,331	96,273	94,682	93,225	96,228	90,258	87,969	92,559
55	92,575	90,623	94,551	92,429	90,449	94,510	86,668	83,770	89,539
60	89,242	86,582	91,916	89,058	86,347	91,869	81,594	77,846	85,254
65	84,314	80,677	87,938	84,098	80,417	87,867	74,595	69,747	79,339
70	77,224	72,331	82,042	76,987	72,116	81,912	65,388	59,181	71,447
75	67,474	61,115	73,594	67,240	61,055	73,337	54,033	46,324	61,386
80	54,846	47,164	62,106	54,652	47,375	61,637	40,986	32,196	49,328
85	39,850	31,723	47,688	39,718	32,244	46,950	27,432	18,812	36,059
90	24,425	17,363	31,680	24,362	18,059	30,728	15,366	8,561	23,078
95	11,614	7,014	16,899	11,600	7,603	15,966	6,711	2,736	12,277
100	3,810	1,830	6,506	3,812	2,126	5,878	2,086	537	5,066
105	737	259	1,561	739	337	1,312	412	55	1,483
Colorado									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,354	99,189	99,465	99,312	99,232	99,372	98,481	98,107	98,709
10	99,287	99,119	99,402	99,240	99,159	99,302	98,392	98,039	98,599
15	99,174	98,996	99,300	99,137	99,044	99,212	98,191	97,794	98,444
20	98,841	98,557	99,082	98,800	98,612	98,978	97,718	97,134	98,175
25	98,411	97,960	98,844	98,390	98,031	98,765	97,084	96,292	97,788
30	97,982	97,368	98,601	97,973	97,468	98,512	96,415	95,430	97,350
35	97,513	96,764	98,281	97,488	96,846	98,178	95,687	94,536	96,837
40	96,882	95,984	97,805	96,839	96,023	97,709	94,692	93,342	96,084
45	95,944	94,846	97,074	95,908	94,841	97,040	93,264	91,673	94,954
50	94,523	93,136	95,951	94,513	93,069	96,033	91,163	89,238	93,250
55	92,371	90,569	94,235	92,402	90,428	94,482	88,071	85,687	90,691
60	89,157	86,758	91,633	89,239	86,536	92,071	83,603	80,585	86,890
65	84,430	81,212	87,740	84,545	80,916	88,336	77,268	73,444	81,356
70	77,689	73,432	82,021	77,831	73,183	82,641	68,527	63,843	73,537
75	68,186	62,692	73,625	68,345	62,510	74,230	57,273	51,699	62,987
80	55,564	48,901	61,909	55,713	48,764	62,454	43,781	37,668	49,713
85	40,204	33,163	46,918	40,303	33,044	47,342	29,198	23,479	34,680
90	24,190	18,158	30,187	24,210	18,043	30,437	15,918	11,654	20,119
95	10,982	7,209	15,066	10,944	7,119	15,148	6,473	4,173	8,898
100	3,277	1,788	5,116	3,236	1,744	5,109	1,735	945	2,662
105	534	228	987	518	218	972	261	115	460
Connecticut									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,305	99,232	99,358	99,402	99,335	99,451	98,789	99,196	98,561
10	99,245	99,180	99,289	99,344	99,288	99,382	98,717	99,112	98,502
15	99,174	99,091	99,236	99,277	99,204	99,331	98,604	98,967	98,421
20	98,929	98,718	99,128	99,045	98,857	99,222	98,248	98,383	98,305
25	98,533	98,122	98,939	98,671	98,308	99,031	97,667	97,434	98,084
30	98,115	97,501	98,723	98,313	97,777	98,848	96,889	96,242	97,680
35	97,659	96,890	98,419	97,892	97,212	98,568	95,949	94,947	97,054
40	97,061	96,138	97,971	97,307	96,463	98,145	94,511	93,099	95,966
45	96,180	95,048	97,296	96,458	95,393	97,516	92,566	90,634	94,495
50	94,834	93,386	96,262	95,157	93,756	96,550	90,049	87,468	92,556
55	92,772	90,842	94,666	93,162	91,258	95,048	86,759	83,341	89,970

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Connecticut—Con.									
60	89,617	86,989	92,200	90,107	87,490	92,705	82,350	77,928	86,421
65	84,887	81,274	88,417	85,515	81,918	89,070	76,436	70,865	81,464
70	77,975	73,067	82,715	78,783	73,933	83,516	68,579	61,843	74,586
75	68,301	61,870	74,385	69,303	63,033	75,285	58,491	50,785	65,313
80	55,612	47,747	62,826	56,755	49,224	63,699	46,324	38,136	53,471
85	40,304	31,958	48,058	41,446	33,611	48,701	32,795	25,129	39,579
90	24,414	17,236	31,485	25,343	18,735	31,714	19,695	13,705	25,227
95	11,271	6,740	16,243	11,819	7,724	16,078	9,319	5,706	12,915
100	3,480	1,653	5,841	3,680	2,055	5,564	3,142	1,627	4,822
105	603	211	1,237	639	296	1,095	661	277	1,154
Delaware									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,093	98,806	99,289	99,334	99,137	99,474	98,639	99,115	98,349
10	99,012	98,711	99,224	99,282	99,077	99,430	98,497	98,946	98,235
15	98,889	98,584	99,105	99,194	99,003	99,327	98,352	98,849	98,040
20	98,596	98,180	98,925	98,921	98,631	99,156	98,020	98,450	97,775
25	98,169	97,546	98,704	98,514	98,008	98,966	97,450	97,674	97,391
30	97,696	96,884	98,421	98,093	97,399	98,739	96,725	96,759	96,838
35	97,134	96,161	98,019	97,602	96,750	98,411	95,769	95,613	96,045
40	96,357	95,204	97,420	96,919	95,866	97,930	94,480	94,142	94,912
45	95,206	93,806	96,514	95,883	94,549	97,182	92,637	92,024	93,303
50	93,481	91,718	95,141	94,307	92,566	96,016	90,000	88,934	91,034
55	90,900	88,614	93,072	91,919	89,601	94,203	86,232	84,485	87,866
60	87,094	84,068	89,982	88,345	85,231	91,411	80,970	78,221	83,504
65	81,583	77,565	85,439	83,093	78,937	87,174	73,786	69,688	77,613
70	73,888	68,697	78,929	75,669	70,357	80,942	64,243	58,625	69,426
75	63,550	57,108	69,800	65,465	58,924	71,949	52,485	45,295	58,974
80	50,612	43,121	57,693	52,385	44,808	59,674	39,130	30,871	46,593
85	35,746	28,190	42,990	37,016	29,420	44,391	25,521	17,522	33,189
90	21,084	14,887	27,365	21,626	15,492	27,883	13,749	7,643	20,410
95	9,529	5,761	13,754	9,492	5,890	13,517	5,666	2,299	10,211
100	2,930	1,433	4,884	2,737	1,402	4,446	1,616	415	3,839
105	524	194	1,054	434	174	832	282	38	979
District of Columbia									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	98,830	98,368	99,084	99,486	99,410	99,517	98,657	98,838	98,562
10	98,707	98,193	99,015	99,339	99,254	99,379	98,546	98,710	98,468
15	98,569	97,982	98,961	99,182	99,038	99,286	98,443	98,574	98,398
20	98,009	96,961	98,825	99,046	98,844	99,200	97,566	96,969	98,200
25	97,263	95,670	98,544	98,879	98,602	99,099	96,135	94,364	97,738
30	96,508	94,623	98,067	98,647	98,282	98,959	94,735	91,968	97,187
35	95,503	93,370	97,326	98,311	97,842	98,749	93,007	89,402	96,235
40	94,061	91,612	96,234	97,811	97,213	98,422	90,850	86,352	94,956
45	92,025	89,126	94,668	97,074	96,296	97,908	88,211	82,814	93,205
50	89,187	85,643	92,462	95,975	94,944	97,095	84,861	78,560	90,718
55	85,282	80,839	89,403	94,338	92,937	95,814	80,445	73,187	87,227
60	79,987	74,363	85,225	91,851	89,966	93,808	74,624	66,313	82,399
65	72,955	65,909	79,631	88,087	85,612	90,705	67,035	57,670	75,872
70	63,979	55,378	72,217	82,291	78,871	85,984	57,563	47,267	67,325
75	53,224	43,103	62,776	73,987	69,116	78,996	46,453	35,596	56,644
80	41,062	30,088	51,398	62,650	55,987	69,079	34,284	23,781	44,153
85	28,392	18,009	38,664	48,128	40,013	55,903	22,241	13,433	30,864
90	16,833	8,694	25,816	31,748	23,483	40,097	12,039	6,015	18,492
95	8,070	3,122	14,596	16,566	10,164	23,879	5,074	1,962	8,929
100	2,897	751	6,560	6,074	2,781	10,729	1,522	419	3,200
105	707	106	2,158	1,331	391	3,176	290	51	766

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Florida									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,128	99,040	99,203	99,315	99,240	99,382	98,465	98,325	98,563
10	99,050	98,948	99,140	99,248	99,161	99,327	98,346	98,183	98,467
15	98,946	98,821	99,059	99,150	99,045	99,249	98,212	98,013	98,371
20	98,598	98,339	98,855	98,810	98,579	99,045	97,815	97,444	98,149
25	98,066	97,567	98,576	98,314	97,854	98,797	97,103	96,414	97,739
30	97,510	96,802	98,238	97,831	97,181	98,516	96,288	95,362	97,144
35	96,900	96,012	97,814	97,280	96,451	98,156	95,210	94,052	96,283
40	96,087	94,983	97,221	96,519	95,471	97,623	93,793	92,482	95,010
45	94,914	93,508	96,352	95,417	94,071	96,828	91,836	90,330	93,233
50	93,199	91,360	95,065	93,793	92,016	95,635	89,084	87,231	90,802
55	90,703	88,251	93,165	91,413	89,025	93,856	85,252	82,776	87,544
60	87,117	83,815	90,384	87,971	84,733	91,224	80,006	76,497	83,239
65	82,036	77,624	86,365	83,058	78,703	87,379	72,934	67,939	77,582
70	74,948	69,256	80,556	76,188	70,492	81,857	63,502	56,856	69,695
75	65,512	58,473	72,469	66,945	59,822	74,063	51,884	43,553	59,563
80	53,679	45,519	61,757	55,206	46,877	63,540	38,717	29,277	47,473
85	39,911	31,469	48,525	41,345	32,675	50,282	25,270	16,259	34,244
90	25,727	18,318	33,785	26,846	19,209	35,225	13,620	6,857	21,440
95	13,482	8,337	19,681	14,148	8,842	20,572	5,613	1,961	11,001
100	5,257	2,686	8,846	5,521	2,882	9,193	1,602	329	4,284
105	1,356	538	2,746	1,410	584	2,793	280	27	1,145
Georgia									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,025	98,863	99,138	99,290	99,178	99,377	98,506	98,209	98,674
10	98,935	98,765	99,055	99,211	99,091	99,305	98,396	98,093	98,570
15	98,814	98,618	98,962	99,101	98,962	99,215	98,252	97,908	98,469
20	98,426	98,091	98,725	98,708	98,447	98,960	97,855	97,337	98,249
25	97,912	97,349	98,460	98,239	97,774	98,729	97,231	96,403	97,916
30	97,399	96,663	98,128	97,807	97,191	98,464	96,538	95,462	97,449
35	96,800	95,915	97,681	97,307	96,555	98,113	95,631	94,289	96,783
40	95,941	94,870	97,011	96,590	95,672	97,576	94,352	92,657	95,818
45	94,674	93,298	96,048	95,494	94,324	96,742	92,500	90,308	94,411
50	92,788	90,924	94,638	93,815	92,260	95,454	89,813	86,902	92,364
55	89,961	87,375	92,528	91,254	89,130	93,475	85,953	82,045	89,409
60	85,758	82,166	89,345	87,399	84,462	90,464	80,527	75,285	85,200
65	79,652	74,737	84,558	81,742	77,674	85,955	73,138	66,217	79,323
70	71,074	64,595	77,486	73,732	68,187	79,393	63,533	54,693	71,356
75	59,658	51,639	67,423	62,870	55,716	69,966	51,787	41,174	61,019
80	45,634	36,676	54,009	49,230	40,783	57,216	38,506	27,059	48,441
85	30,086	21,810	37,948	33,622	25,260	41,596	24,943	14,604	34,502
90	15,809	9,972	21,717	18,635	12,182	25,183	13,249	5,949	21,004
95	5,913	3,115	9,066	7,551	4,070	11,522	5,320	1,635	10,216
100	1,347	569	2,361	1,935	805	3,469	1,452	262	3,622
105	153	50	312	259	77	570	235	21	831
Hawaii									
0	100,000	100,000	100,000	100,000	100,000	100,000	*	*	*
5	99,208	99,111	99,291	99,649	99,634	99,669	*	*	*
10	99,164	99,069	99,243	99,618	99,601	99,642	*	*	*
15	99,094	98,976	99,197	99,577	99,569	99,590	*	*	*
20	98,870	98,672	99,061	99,447	99,444	99,455	*	*	*
25	98,537	98,213	98,882	99,198	99,138	99,293	*	*	*
30	98,166	97,713	98,655	98,912	98,761	99,127	*	*	*
35	97,719	97,157	98,324	98,542	98,273	98,901	*	*	*
40	97,109	96,423	97,843	97,982	97,543	98,551	*	*	*
45	96,221	95,351	97,143	97,145	96,456	97,996	*	*	*
50	94,898	93,732	96,120	95,864	94,814	97,114	*	*	*
55	92,912	91,284	94,618	93,891	92,352	95,720	*	*	*

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Hawaii—Con.									
60	89,967	87,620	92,402	90,915	88,705	93,532	*	*	*
65	85,653	82,239	89,131	86,482	83,398	90,136	*	*	*
70	79,489	74,566	84,336	80,035	75,893	84,965	*	*	*
75	70,870	64,111	77,422	71,078	65,720	77,323	*	*	*
80	59,314	50,818	67,775	59,233	52,789	66,551	*	*	*
85	45,089	35,602	55,063	44,683	37,867	52,452	*	*	*
90	29,582	20,718	39,809	28,953	22,948	36,022	*	*	*
95	15,544	9,160	24,023	14,920	10,852	19,996	*	*	*
100	5,879	2,720	11,002	5,480	3,589	8,039	*	*	*
105	1,382	461	3,339	1,235	718	2,007	*	*	*
Idaho									
0	100,000	100,000	100,000	100,000	100,000	100,000	*	*	*
5	99,277	99,348	99,235	99,337	99,498	99,230	*	*	*
10	99,184	99,263	99,134	99,239	99,407	99,124	*	*	*
15	99,046	99,100	99,021	99,101	99,245	99,010	*	*	*
20	98,680	98,596	98,798	98,743	98,740	98,803	*	*	*
25	98,225	97,941	98,561	98,346	98,191	98,571	*	*	*
30	97,814	97,380	98,312	97,926	97,614	98,320	*	*	*
35	97,359	96,820	97,968	97,442	96,992	97,981	*	*	*
40	96,737	96,078	97,469	96,813	96,217	97,502	*	*	*
45	95,829	94,973	96,763	95,938	95,155	96,818	*	*	*
50	94,467	93,289	95,732	94,632	93,581	95,788	*	*	*
55	92,396	90,734	94,173	92,630	91,182	94,203	*	*	*
60	89,264	86,904	91,765	89,562	87,524	91,748	*	*	*
65	84,545	81,280	88,017	84,898	82,028	87,966	*	*	*
70	77,624	73,257	82,227	78,001	74,017	82,201	*	*	*
75	67,761	62,226	73,520	68,124	62,911	73,531	*	*	*
80	54,622	48,186	61,124	54,925	48,685	61,179	*	*	*
85	38,675	32,347	45,084	38,861	32,565	45,183	*	*	*
90	22,317	17,464	27,372	22,365	17,419	27,495	*	*	*
95	9,378	6,806	12,183	9,342	6,656	12,288	*	*	*
100	2,442	1,649	3,353	2,405	1,554	3,405	*	*	*
105	317	205	451	306	181	464	*	*	*
Illinois									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,183	98,962	99,322	99,278	99,194	99,336	98,109	97,892	98,254
10	99,115	98,886	99,261	99,220	99,132	99,281	97,986	97,759	98,142
15	99,020	98,774	99,184	99,141	99,039	99,217	97,825	97,560	98,020
20	98,671	98,280	98,992	98,831	98,620	99,027	97,267	96,664	97,806
25	98,174	97,523	98,771	98,435	98,031	98,838	96,204	94,920	97,389
30	97,711	96,845	98,530	98,079	97,524	98,645	95,202	93,361	96,888
35	97,206	96,192	98,179	97,658	96,967	98,369	93,982	91,760	96,011
40	96,504	95,330	97,639	97,055	96,200	97,934	92,444	89,890	94,769
45	95,438	94,036	96,804	96,123	95,037	97,241	90,315	87,351	92,999
50	93,805	92,053	95,521	94,674	93,240	96,152	87,340	83,777	90,538
55	91,317	89,037	93,560	92,440	90,485	94,449	83,213	78,806	87,135
60	87,580	84,518	90,592	89,041	86,323	91,811	77,567	72,058	82,462
65	82,081	77,914	86,168	83,962	80,179	87,781	70,045	63,220	76,121
70	74,268	68,630	79,728	76,563	71,425	81,653	60,408	52,233	67,717
75	63,688	56,341	70,689	66,281	59,624	72,718	48,753	39,565	57,021
80	50,413	41,501	58,694	53,017	45,014	60,464	35,756	26,453	44,265
85	35,187	25,916	44,078	37,374	29,134	45,119	22,774	14,807	30,487
90	20,318	12,628	28,427	21,701	14,939	28,443	11,847	6,456	17,637
95	8,860	4,271	14,596	9,402	5,424	13,838	4,632	1,993	7,939
100	2,575	856	5,361	2,646	1,196	4,563	1,220	386	2,507
105	424	83	1,219	403	132	854	188	40	486

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Indiana									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,080	98,966	99,164	99,177	99,082	99,246	98,571	97,926	99,017
10	98,992	98,870	99,084	99,094	98,993	99,169	98,449	97,781	98,919
15	98,892	98,743	99,013	98,994	98,866	99,097	98,344	97,639	98,853
20	98,525	98,229	98,802	98,644	98,395	98,875	97,761	96,674	98,671
25	98,037	97,516	98,548	98,229	97,791	98,657	96,722	94,973	98,286
30	97,564	96,843	98,282	97,793	97,198	98,385	95,739	93,449	97,817
35	97,044	96,171	97,921	97,290	96,544	98,039	94,819	92,199	97,221
40	96,321	95,278	97,369	96,584	95,652	97,523	93,583	90,626	96,303
45	95,223	93,940	96,514	95,517	94,331	96,718	91,833	88,412	94,996
50	93,534	91,893	95,193	93,880	92,319	95,467	89,286	85,192	93,080
55	90,962	88,781	93,163	91,389	89,278	93,535	85,586	80,576	90,281
60	87,089	84,123	90,078	87,643	84,750	90,579	80,351	74,117	86,230
65	81,388	77,332	85,463	82,127	78,171	86,128	73,111	65,397	80,469
70	73,308	67,819	78,732	74,281	68,968	79,565	63,587	54,237	72,508
75	62,411	55,294	69,290	63,613	56,827	70,195	51,647	41,039	61,983
80	48,830	40,301	56,819	50,154	42,170	57,611	38,030	27,135	48,970
85	33,447	24,763	41,797	34,695	26,704	42,246	24,165	14,745	34,410
90	18,744	11,777	26,063	19,677	13,338	26,036	12,394	6,048	20,346
95	7,802	3,844	12,682	8,294	4,704	12,321	4,685	1,671	9,361
100	2,113	733	4,286	2,268	1,009	3,938	1,157	269	3,011
105	313	67	860	336	109	715	161	21	589
Iowa									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,356	99,192	99,469	99,329	99,230	99,410	98,832	98,907	98,780
10	99,275	99,101	99,400	99,243	99,140	99,329	98,701	98,748	98,677
15	99,184	99,003	99,315	99,154	99,043	99,248	98,543	98,549	98,561
20	98,870	98,583	99,113	98,827	98,591	99,053	98,189	98,072	98,343
25	98,493	98,038	98,913	98,484	98,113	98,850	97,609	97,341	97,945
30	98,155	97,558	98,722	98,148	97,646	98,651	96,958	96,503	97,508
35	97,741	97,055	98,404	97,745	97,151	98,342	96,192	95,578	96,945
40	97,164	96,352	97,954	97,168	96,431	97,910	95,091	94,287	96,067
45	96,296	95,280	97,295	96,310	95,363	97,267	93,432	92,357	94,727
50	94,967	93,625	96,308	94,987	93,713	96,285	90,968	89,509	92,713
55	92,931	91,085	94,794	92,952	91,183	94,764	87,372	85,361	89,718
60	89,828	87,240	92,442	89,853	87,351	92,404	82,182	79,444	85,328
65	85,152	81,537	88,781	85,200	81,668	88,766	74,977	71,266	79,041
70	78,303	73,397	83,146	78,399	73,561	83,192	65,305	60,489	70,340
75	68,515	62,133	74,718	68,646	62,315	74,809	52,971	47,262	58,909
80	55,470	47,732	62,757	55,597	47,896	62,852	38,885	32,651	45,023
85	39,564	31,520	47,230	39,634	31,627	47,263	24,459	18,820	30,011
90	23,121	16,495	29,796	23,101	16,528	29,713	12,271	8,340	16,343
95	9,935	6,081	14,226	9,857	6,068	14,061	4,447	2,543	6,631
100	2,688	1,342	4,422	2,628	1,327	4,290	1,020	461	1,770
105	372	144	727	353	140	681	125	42	265
Kansas									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,215	99,012	99,357	99,215	99,099	99,304	98,076	97,765	98,322
10	99,148	98,941	99,295	99,147	99,031	99,236	97,980	97,654	98,244
15	99,032	98,809	99,195	99,037	98,903	99,145	97,786	97,436	98,075
20	98,660	98,289	98,981	98,676	98,415	98,918	97,116	96,444	97,766
25	98,180	97,580	98,751	98,250	97,772	98,727	96,161	95,068	97,299
30	97,729	96,936	98,510	97,827	97,172	98,494	95,395	94,117	96,745
35	97,260	96,335	98,180	97,356	96,548	98,185	94,519	93,080	96,047
40	96,628	95,576	97,678	96,720	95,774	97,689	93,291	91,617	95,075
45	95,674	94,447	96,903	95,772	94,645	96,927	91,477	89,438	93,658
50	94,198	92,702	95,706	94,316	92,916	95,755	88,850	86,287	91,584
55	91,922	90,009	93,868	92,085	90,270	93,960	85,088	81,799	88,565

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Kansas—Con.									
60	88,471	85,905	91,072	88,723	86,270	91,239	79,820	75,547	84,232
65	83,320	79,792	86,879	83,731	80,353	87,170	72,603	67,127	78,145
70	75,934	71,014	80,804	76,566	71,896	81,218	63,169	56,332	69,864
75	65,729	59,103	72,186	66,630	60,434	72,690	51,473	43,462	59,119
80	52,628	44,309	60,564	53,796	46,121	61,093	38,069	29,656	46,120
85	37,255	28,269	46,126	38,586	30,351	46,572	24,427	16,939	31,930
90	21,863	14,110	30,302	23,108	15,963	30,555	12,768	7,505	18,580
95	9,694	4,884	15,925	10,561	6,017	15,963	4,991	2,329	8,423
100	2,856	995	6,015	3,248	1,401	5,941	1,303	443	2,685
105	473	97	1,410	569	166	1,352	197	44	527
Kentucky									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,197	99,063	99,296	99,255	99,106	99,362	98,422	98,711	98,215
10	99,105	98,966	99,209	99,164	99,011	99,276	98,323	98,608	98,120
15	98,990	98,827	99,120	99,048	98,873	99,183	98,210	98,449	98,056
20	98,606	98,302	98,884	98,664	98,356	98,939	97,807	97,821	97,892
25	98,109	97,581	98,621	98,187	97,656	98,695	97,202	97,055	97,455
30	97,556	96,836	98,265	97,668	96,942	98,375	96,427	96,027	96,940
35	96,927	96,061	97,785	97,050	96,149	97,937	95,530	94,960	96,215
40	96,082	95,036	97,120	96,201	95,078	97,311	94,289	93,500	95,183
45	94,846	93,514	96,169	94,943	93,483	96,391	92,409	91,347	93,557
50	92,989	91,199	94,772	93,059	91,092	95,023	89,663	88,171	91,212
55	90,189	87,698	92,681	90,248	87,548	92,958	85,695	83,545	87,864
60	86,001	82,496	89,515	86,096	82,388	89,835	80,120	76,964	83,157
65	79,853	74,987	84,732	80,086	75,082	85,146	72,499	67,936	76,685
70	71,132	64,630	77,623	71,624	65,159	78,133	62,421	56,220	68,075
75	59,433	51,309	67,444	60,286	52,512	68,005	50,088	42,227	57,160
80	45,019	35,911	53,807	46,241	37,857	54,342	36,337	27,450	44,259
85	29,127	20,762	37,454	30,567	23,112	37,850	22,652	14,425	30,481
90	14,790	9,026	21,023	16,080	11,048	21,199	11,351	5,569	17,744
95	5,215	2,589	8,459	5,993	3,710	8,460	4,182	1,390	8,142
100	1,078	412	2,064	1,347	758	2,024	1,009	190	2,681
105	105	29	244	148	79	231	138	12	562
Louisiana									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	98,887	98,769	98,973	99,348	99,438	99,303	98,373	98,191	98,503
10	98,773	98,639	98,877	99,249	99,324	99,222	98,235	98,033	98,386
15	98,635	98,465	98,775	99,116	99,150	99,131	98,084	97,847	98,270
20	98,188	97,824	98,526	98,697	98,572	98,875	97,594	97,108	98,029
25	97,496	96,780	98,184	98,152	97,773	98,591	96,641	95,603	97,581
30	96,742	95,672	97,776	97,580	96,958	98,267	95,614	94,062	97,011
35	95,936	94,582	97,250	96,959	96,117	97,874	94,376	92,311	96,228
40	94,916	93,300	96,486	96,112	95,024	97,276	92,854	90,307	95,129
45	93,481	91,540	95,374	94,874	93,462	96,375	90,828	87,806	93,533
50	91,380	88,979	93,730	93,024	91,151	95,002	87,985	84,340	91,252
55	88,316	85,233	91,354	90,272	87,750	92,922	83,937	79,418	88,026
60	83,905	79,834	87,922	86,247	82,830	89,803	78,289	72,516	83,527
65	77,644	72,272	82,949	80,469	75,889	85,200	70,621	63,185	77,383
70	69,037	62,137	75,807	72,478	66,470	78,582	60,680	51,299	69,241
75	57,729	49,428	65,825	61,837	54,411	69,262	48,600	37,468	58,916
80	43,971	35,000	52,633	48,680	40,253	56,880	35,147	23,388	46,622
85	28,879	20,857	36,861	33,803	25,629	41,884	21,891	11,597	33,248
90	15,113	9,659	20,904	19,452	13,097	26,106	11,007	4,128	20,447
95	5,615	3,115	8,522	8,484	4,876	12,658	4,106	922	10,207
100	1,261	606	2,102	2,480	1,162	4,238	1,021	109	3,814
105	139	59	249	413	150	834	149	6	961

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Maine									
0	100,000	100,000	100,000	100,000	100,000	100,000	*	*	*
5	99,463	99,351	99,538	99,481	99,365	99,561	*	*	*
10	99,398	99,277	99,483	99,415	99,288	99,505	*	*	*
15	99,292	99,176	99,371	99,310	99,188	99,395	*	*	*
20	98,965	98,737	99,162	98,981	98,741	99,189	*	*	*
25	98,538	98,121	98,927	98,563	98,142	98,954	*	*	*
30	98,118	97,519	98,684	98,169	97,593	98,713	*	*	*
35	97,688	96,950	98,389	97,700	96,943	98,418	*	*	*
40	97,122	96,240	97,962	97,115	96,192	97,994	*	*	*
45	96,264	95,182	97,301	96,228	95,070	97,337	*	*	*
50	94,913	93,527	96,254	94,848	93,351	96,296	*	*	*
55	92,775	90,931	94,595	92,687	90,705	94,646	*	*	*
60	89,502	86,908	92,090	89,366	86,681	92,049	*	*	*
65	84,556	80,814	88,301	84,353	80,693	88,018	*	*	*
70	77,075	71,920	82,216	77,004	72,089	81,901	*	*	*
75	66,240	59,683	72,670	66,741	60,384	72,957	*	*	*
80	51,629	44,343	58,594	53,383	45,755	60,624	*	*	*
85	34,091	27,709	40,223	37,558	29,707	45,123	*	*	*
90	17,138	13,261	20,934	21,679	15,250	28,262	*	*	*
95	5,564	4,248	6,861	9,269	5,515	13,565	*	*	*
100	921	758	1,076	2,543	1,200	4,359	*	*	*
105	57	60	56	370	128	780	*	*	*
Maryland									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,086	99,016	99,134	99,403	99,339	99,448	98,549	98,653	98,501
10	99,012	98,937	99,066	99,341	99,266	99,400	98,451	98,555	98,402
15	98,916	98,818	98,993	99,267	99,183	99,335	98,308	98,361	98,313
20	98,535	98,250	98,808	98,949	98,755	99,133	97,778	97,471	98,144
25	97,963	97,345	98,569	98,503	98,089	98,920	96,918	95,990	97,850
30	97,387	96,486	98,265	98,138	97,580	98,699	95,987	94,510	97,397
35	96,772	95,687	97,825	97,710	96,996	98,427	94,861	92,896	96,698
40	95,972	94,705	97,201	97,099	96,205	97,996	93,182	90,524	95,627
45	94,821	93,287	96,308	96,165	95,018	97,319	90,875	87,329	94,114
50	93,123	91,165	95,011	94,720	93,200	96,248	87,838	83,278	91,945
55	90,592	88,000	93,098	92,494	90,442	94,562	83,821	78,228	88,862
60	86,840	83,347	90,237	89,109	86,315	91,929	78,579	72,014	84,543
65	81,344	76,675	85,932	84,052	80,277	87,878	71,828	64,451	78,609
70	73,537	67,468	79,491	76,809	71,846	81,785	63,354	55,359	70,743
75	62,906	55,475	70,091	66,662	60,386	72,798	52,912	44,667	60,481
80	49,371	41,166	57,095	53,382	45,992	60,301	40,671	32,651	47,905
85	33,698	26,188	40,823	37,545	30,088	44,522	27,452	20,344	33,910
90	18,486	13,260	23,607	21,585	15,616	27,404	15,178	9,766	20,376
95	7,246	4,817	9,729	9,124	5,737	12,713	6,197	3,072	9,671
100	1,716	1,092	2,373	2,441	1,276	3,841	1,614	497	3,287
105	197	129	266	338	140	619	222	30	704
Massachusetts									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,513	99,344	99,629	99,661	99,739	99,617	98,994	99,169	98,895
10	99,464	99,291	99,583	99,611	99,685	99,571	98,929	99,107	98,826
15	99,392	99,207	99,525	99,540	99,598	99,516	98,815	98,992	98,712
20	99,184	98,910	99,407	99,344	99,326	99,399	98,492	98,503	98,560
25	98,879	98,457	99,247	99,045	98,894	99,229	98,044	97,808	98,341
30	98,542	97,977	99,050	98,718	98,435	99,031	97,475	96,963	98,020
35	98,140	97,452	98,769	98,321	97,911	98,760	96,743	95,954	97,544
40	97,566	96,736	98,334	97,732	97,167	98,322	95,770	94,697	96,837
45	96,683	95,648	97,653	96,835	96,040	97,648	94,354	92,897	95,786
50	95,306	93,953	96,584	95,439	94,297	96,589	92,307	90,326	94,230
55	93,164	91,323	94,918	93,281	91,620	94,935	89,356	86,659	91,940

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Massachusetts—Con.									
60	89,873	87,294	92,342	89,984	87,564	92,371	85,175	81,502	88,606
65	84,915	81,258	88,411	85,045	81,555	88,452	79,355	74,429	83,827
70	77,690	72,534	82,577	77,882	72,953	82,618	71,467	65,082	77,137
75	67,597	60,610	74,089	67,902	61,281	74,101	61,255	53,395	68,102
80	54,451	45,674	62,362	54,903	46,698	62,306	48,924	39,910	56,532
85	38,757	29,325	47,479	39,350	30,642	47,315	35,102	26,059	42,832
90	22,797	14,741	30,917	23,428	16,028	30,646	21,549	14,013	28,375
95	10,049	5,138	15,835	10,536	5,986	15,537	10,576	5,725	15,463
100	2,894	1,052	5,652	3,130	1,372	5,445	3,784	1,596	6,368
105	454	102	1,190	514	159	1,112	875	265	1,769
Michigan									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,191	98,927	99,368	99,300	99,177	99,391	98,422	98,689	98,275
10	99,114	98,835	99,308	99,232	99,103	99,330	98,287	98,521	98,173
15	99,018	98,727	99,225	99,149	99,012	99,255	98,139	98,322	98,078
20	98,707	98,306	99,029	98,869	98,642	99,070	97,663	97,613	97,836
25	98,245	97,615	98,804	98,500	98,106	98,875	96,752	96,135	97,457
30	97,765	96,915	98,547	98,125	97,578	98,660	95,802	94,648	96,990
35	97,221	96,207	98,171	97,665	96,976	98,346	94,613	92,959	96,252
40	96,469	95,284	97,594	97,019	96,167	97,870	92,881	90,505	95,165
45	95,345	93,923	96,708	96,048	94,944	97,155	90,440	87,067	93,629
50	93,637	91,867	95,354	94,556	93,072	96,056	87,171	82,610	91,442
55	91,059	88,778	93,296	92,269	90,230	94,343	82,829	76,956	88,355
60	87,220	84,206	90,204	88,798	85,977	91,674	77,168	69,944	84,060
65	81,630	77,603	85,628	83,620	79,759	87,551	70,024	61,466	78,196
70	73,781	68,421	79,042	76,133	70,982	81,299	61,195	51,545	70,418
75	63,187	56,372	69,809	65,787	59,253	72,236	50,640	40,458	60,511
80	49,952	41,892	57,579	52,536	44,835	59,867	38,804	28,880	48,613
85	34,838	26,642	42,761	37,004	29,219	44,472	26,574	17,967	35,470
90	20,124	13,437	27,074	21,511	15,217	27,864	15,483	9,150	22,573
95	8,798	4,829	13,496	9,370	5,694	13,451	7,165	3,486	11,852
100	2,570	1,070	4,732	2,671	1,325	4,393	2,398	876	4,765
105	426	122	1,003	416	159	813	514	123	1,331
Minnesota									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,343	99,236	99,426	99,416	99,328	99,485	99,030	98,695	99,279
10	99,265	99,148	99,358	99,344	99,252	99,418	98,895	98,533	99,170
15	99,181	99,045	99,294	99,265	99,153	99,360	98,755	98,367	99,059
20	98,914	98,686	99,124	99,005	98,808	99,191	98,349	97,758	98,864
25	98,556	98,185	98,915	98,681	98,358	98,999	97,717	96,819	98,554
30	98,225	97,717	98,727	98,383	97,945	98,820	97,032	95,891	98,127
35	97,855	97,224	98,483	98,030	97,465	98,597	96,269	94,963	97,554
40	97,317	96,548	98,088	97,530	96,828	98,238	95,235	93,740	96,744
45	96,529	95,524	97,544	96,758	95,860	97,668	93,721	91,973	95,559
50	95,288	93,949	96,653	95,550	94,358	96,765	91,484	89,375	93,801
55	93,392	91,538	95,289	93,669	92,033	95,341	88,229	85,599	91,178
60	90,475	87,892	93,121	90,769	88,477	93,112	83,549	80,212	87,282
65	86,039	82,485	89,669	86,371	83,139	89,663	76,995	72,742	81,578
70	79,430	74,680	84,248	79,844	75,369	84,365	68,067	62,813	73,464
75	69,879	63,749	75,984	70,475	64,409	76,482	56,402	50,418	62,456
80	56,946	49,578	64,051	57,887	50,100	65,344	42,488	36,317	48,590
85	40,934	33,326	48,319	42,313	33,603	50,809	27,681	22,316	33,012
90	24,119	17,884	30,443	25,779	17,904	34,059	14,541	10,889	18,280
95	10,430	6,824	14,394	11,879	6,720	18,132	5,580	3,824	7,472
100	2,823	1,576	4,360	3,605	1,503	6,798	1,369	849	1,967
105	386	179	679	598	161	1,518	181	101	279

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Mississippi									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	98,751	98,578	98,877	99,134	98,995	99,240	98,295	98,054	98,455
10	98,633	98,441	98,780	99,022	98,865	99,147	98,170	97,909	98,350
15	98,474	98,242	98,664	98,872	98,679	99,035	98,004	97,694	98,236
20	97,992	97,584	98,365	98,393	98,016	98,753	97,529	97,046	97,934
25	97,292	96,580	97,974	97,806	97,198	98,417	96,665	95,792	97,431
30	96,520	95,480	97,521	97,190	96,347	98,050	95,676	94,362	96,819
35	95,673	94,351	96,949	96,506	95,444	97,599	94,494	92,686	96,052
40	94,588	92,993	96,130	95,605	94,284	96,969	92,827	90,337	94,969
45	93,053	91,120	94,925	94,321	92,670	96,033	90,441	87,024	93,402
50	90,812	88,402	93,155	92,416	90,283	94,622	87,118	82,626	91,099
55	87,532	84,439	90,571	89,574	86,757	92,498	82,573	76,891	87,743
60	82,826	78,752	86,847	85,411	81,625	89,329	76,525	69,595	82,931
65	76,232	70,833	81,571	79,427	74,357	84,676	68,709	60,623	76,197
70	67,382	60,310	74,334	71,178	64,487	78,051	58,956	50,092	67,112
75	56,088	47,283	64,677	60,275	51,911	68,754	47,388	38,498	55,502
80	42,843	32,768	52,517	46,979	37,352	56,431	34,689	26,799	41,810
85	28,664	18,921	38,492	32,104	22,733	41,539	22,160	16,310	27,455
90	15,800	8,373	24,271	18,016	10,814	25,897	11,672	8,284	14,764
95	6,596	2,533	12,300	7,564	3,604	12,577	4,694	3,307	5,962
100	1,864	451	4,562	2,091	728	4,227	1,303	962	1,610
105	309	39	1,094	322	74	838	220	186	251
Missouri									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,141	99,034	99,216	99,353	99,348	99,366	98,366	98,462	98,328
10	99,047	98,932	99,129	99,266	99,256	99,283	98,234	98,309	98,217
15	98,934	98,800	99,037	99,163	99,137	99,198	98,060	98,097	98,082
20	98,485	98,179	98,768	98,751	98,587	98,931	97,388	97,054	97,787
25	97,956	97,376	98,515	98,306	97,936	98,696	96,351	95,305	97,401
30	97,456	96,663	98,228	97,870	97,331	98,431	95,459	93,877	96,979
35	96,896	95,936	97,836	97,342	96,633	98,077	94,389	92,352	96,311
40	96,100	94,946	97,238	96,579	95,662	97,526	93,023	90,573	95,318
45	94,909	93,474	96,327	95,438	94,231	96,681	91,061	88,111	93,805
50	93,117	91,273	94,943	93,718	92,087	95,387	88,233	84,598	91,586
55	90,443	88,010	92,851	91,142	88,909	93,416	84,213	79,663	88,366
60	86,504	83,251	89,725	87,337	84,269	90,443	78,577	72,899	83,763
65	80,822	76,485	85,124	81,822	77,660	86,028	70,964	63,961	77,332
70	72,961	67,301	78,548	74,135	68,652	79,642	61,120	52,764	68,649
75	62,435	55,388	69,322	63,692	56,789	70,543	49,112	39,786	57,497
80	49,329	41,185	57,091	50,504	42,417	58,288	35,668	26,339	44,196
85	34,406	26,304	42,274	35,276	27,145	43,226	22,336	14,469	29,958
90	19,903	13,417	26,622	20,327	13,788	27,138	11,308	6,105	16,920
95	8,733	4,936	13,146	8,790	4,991	13,231	4,242	1,785	7,359
100	2,570	1,142	4,538	2,501	1,113	4,430	1,052	317	2,218
105	432	140	938	394	127	862	149	29	404
Montana									
0	100,000	100,000	100,000	100,000	100,000	100,000	*	*	*
5	99,283	99,359	99,240	99,446	99,253	99,588	*	*	*
10	99,168	99,231	99,137	99,323	99,105	99,490	*	*	*
15	99,025	99,033	99,054	99,181	98,907	99,408	*	*	*
20	98,621	98,541	98,744	98,836	98,497	99,134	*	*	*
25	98,115	97,789	98,505	98,391	97,843	98,917	*	*	*
30	97,562	96,963	98,246	97,930	97,178	98,679	*	*	*
35	96,952	96,114	97,878	97,391	96,410	98,373	*	*	*
40	96,219	95,143	97,381	96,693	95,452	97,936	*	*	*
45	95,203	93,865	96,625	95,732	94,206	97,259	*	*	*
50	93,696	92,030	95,461	94,337	92,495	96,200	*	*	*
55	91,424	89,313	93,679	92,259	90,031	94,552	*	*	*

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Montana—Con.									
60	88,031	85,284	90,974	89,139	86,387	92,006	*	*	*
65	83,035	79,410	86,923	84,456	80,965	88,124	*	*	*
70	75,950	71,165	81,052	77,524	72,923	82,364	*	*	*
75	66,081	59,989	72,508	67,444	61,284	73,866	*	*	*
80	53,205	45,980	60,692	53,792	45,835	61,973	*	*	*
85	37,884	30,458	45,736	37,140	28,244	46,752	*	*	*
90	22,330	16,176	29,243	20,353	12,699	29,820	*	*	*
95	9,891	6,185	14,515	7,782	3,473	14,655	*	*	*
100	2,873	1,469	4,919	1,735	448	4,847	*	*	*
105	456	179	954	179	20	896	*	*	*
Nebraska									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,235	99,269	99,223	99,343	99,340	99,359	98,568	98,564	98,586
10	99,149	99,181	99,138	99,250	99,245	99,267	98,405	98,373	98,450
15	99,038	99,052	99,046	99,158	99,147	99,181	98,253	98,170	98,351
20	98,670	98,542	98,828	98,808	98,671	98,965	97,792	97,546	98,063
25	98,262	97,914	98,650	98,445	98,120	98,797	97,088	96,565	97,656
30	97,897	97,440	98,400	98,112	97,695	98,564	96,196	95,340	97,095
35	97,483	96,954	98,062	97,681	97,162	98,239	95,240	94,121	96,398
40	96,894	96,253	97,586	97,096	96,435	97,800	94,029	92,677	95,431
45	96,013	95,170	96,914	96,224	95,322	97,176	92,277	90,607	93,985
50	94,675	93,487	95,924	94,903	93,614	96,250	89,685	87,581	91,847
55	92,618	90,896	94,418	92,878	91,012	94,826	85,924	83,191	88,716
60	89,473	86,961	92,078	89,793	87,102	92,588	80,558	76,957	84,197
65	84,723	81,110	88,416	85,148	81,349	89,047	73,152	68,401	77,822
70	77,784	72,868	82,730	78,340	73,249	83,488	63,213	57,252	69,131
75	67,910	61,613	74,138	68,550	62,078	74,998	51,039	43,799	57,874
80	54,729	47,367	61,840	55,363	47,804	62,718	37,057	29,319	44,358
85	38,719	31,437	45,826	39,204	31,716	46,570	23,019	16,130	29,844
90	22,297	16,677	28,005	22,524	16,741	28,455	11,396	6,681	16,596
95	9,330	6,329	12,577	9,339	6,264	12,708	4,082	1,851	7,014
100	2,411	1,475	3,501	2,360	1,417	3,480	932	294	2,012
105	309	173	478	290	158	458	116	22	339
Nevada									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,228	99,156	99,292	99,292	99,223	99,353	98,605	98,861	98,423
10	99,138	99,055	99,212	99,203	99,119	99,278	98,508	98,753	98,337
15	99,048	98,933	99,155	99,117	99,001	99,228	98,360	98,535	98,263
20	98,694	98,453	98,939	98,778	98,551	99,009	97,786	97,631	98,028
25	98,188	97,724	98,679	98,290	97,853	98,758	96,984	96,424	97,648
30	97,704	97,048	98,406	97,852	97,250	98,504	96,159	95,191	97,247
35	97,125	96,316	97,999	97,273	96,512	98,107	95,191	93,956	96,581
40	96,291	95,293	97,376	96,433	95,469	97,501	93,890	92,505	95,450
45	95,037	93,764	96,424	95,187	93,925	96,587	92,003	90,517	93,678
50	93,154	91,473	94,975	93,311	91,615	95,186	89,395	87,683	91,308
55	90,345	88,073	92,784	90,511	88,197	93,051	85,764	83,648	88,073
60	86,203	83,117	89,507	86,378	83,226	89,834	80,760	78,005	83,664
65	80,204	76,076	84,688	80,389	76,184	85,065	73,884	70,334	77,672
70	71,837	66,468	77,779	72,091	66,595	78,332	64,806	60,346	69,609
75	60,799	54,124	68,253	61,030	54,295	68,735	53,426	48,135	59,036
80	47,303	39,637	55,875	47,309	39,868	55,784	40,088	34,517	45,903
85	32,346	24,780	41,174	31,934	25,051	39,995	26,033	21,214	31,123
90	18,260	12,270	25,905	17,469	12,518	23,606	13,604	10,455	17,028
95	7,790	4,336	12,895	6,982	4,493	10,324	5,150	3,774	6,692
100	2,228	952	4,565	1,766	1,011	2,878	1,222	887	1,600
105	365	109	996	234	120	418	150	117	186

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
New Hampshire									
0	100,000	100,000	100,000	100,000	100,000	100,000	*	*	*
5	99,544	99,496	99,578	99,397	99,340	99,442	*	*	*
10	99,497	99,444	99,536	99,348	99,284	99,402	*	*	*
15	99,416	99,341	99,479	99,268	99,180	99,346	*	*	*
20	99,145	98,977	99,303	99,000	98,813	99,180	*	*	*
25	98,793	98,444	99,134	98,637	98,272	98,996	*	*	*
30	98,483	97,971	98,985	98,339	97,806	98,863	*	*	*
35	98,137	97,493	98,771	97,976	97,303	98,639	*	*	*
40	97,639	96,842	98,424	97,452	96,610	98,279	*	*	*
45	96,852	95,837	97,858	96,634	95,561	97,698	*	*	*
50	95,597	94,256	96,935	95,350	93,939	96,759	*	*	*
55	93,602	91,779	95,440	93,337	91,438	95,251	*	*	*
60	90,464	87,946	93,035	90,211	87,628	92,848	*	*	*
65	85,644	82,144	89,223	85,468	81,945	89,070	*	*	*
70	78,426	73,660	83,311	78,401	73,738	83,177	*	*	*
75	68,199	61,914	74,474	68,427	62,479	74,364	*	*	*
80	54,652	46,993	62,027	55,229	48,210	61,968	*	*	*
85	38,355	30,413	46,091	39,298	32,200	46,110	*	*	*
90	21,867	15,400	28,556	22,976	17,265	28,652	*	*	*
95	9,060	5,388	13,306	9,942	6,666	13,430	*	*	*
100	2,329	1,098	4,014	2,745	1,596	4,095	*	*	*
105	301	105	638	396	195	663	*	*	*
New Jersey									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,267	99,191	99,323	99,414	99,371	99,449	98,480	98,265	98,617
10	99,211	99,125	99,278	99,367	99,318	99,407	98,383	98,142	98,548
15	99,143	99,052	99,214	99,307	99,256	99,350	98,271	98,021	98,445
20	98,914	98,748	99,066	99,094	98,970	99,215	97,931	97,565	98,225
25	98,505	98,167	98,836	98,721	98,452	98,997	97,289	96,585	97,912
30	98,043	97,477	98,605	98,355	97,926	98,796	96,457	95,369	97,436
35	97,490	96,745	98,231	97,891	97,295	98,502	95,400	94,002	96,661
40	96,774	95,873	97,670	97,276	96,505	98,065	93,944	92,211	95,512
45	95,755	94,662	96,840	96,378	95,373	97,401	91,934	89,821	93,845
50	94,247	92,844	95,634	94,994	93,634	96,370	89,109	86,474	91,469
55	91,972	90,060	93,847	92,857	90,964	94,756	85,167	81,791	88,143
60	88,529	85,832	91,159	89,581	86,914	92,237	79,747	75,362	83,586
65	83,379	79,547	87,098	84,651	80,907	88,352	72,511	66,820	77,494
70	75,904	70,544	81,015	77,453	72,301	82,448	63,158	56,010	69,423
75	65,490	58,383	72,141	67,389	60,623	73,796	51,700	43,263	59,155
80	52,015	43,384	59,854	54,296	46,048	61,822	38,858	29,693	46,915
85	36,121	27,301	44,314	38,677	30,048	46,647	25,720	17,204	33,572
90	20,349	13,344	27,363	22,789	15,572	29,884	14,218	7,843	20,754
95	8,327	4,477	12,714	10,074	5,728	14,876	6,111	2,560	10,442
100	2,117	872	3,826	2,912	1,283	5,062	1,860	530	3,948
105	272	80	607	458	144	988	356	60	1,011
New Mexico									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,278	99,118	99,396	99,437	99,467	99,419	98,410	97,940	98,831
10	99,202	99,030	99,333	99,365	99,389	99,353	98,213	97,718	98,656
15	99,074	98,884	99,223	99,238	99,251	99,239	98,096	97,636	98,502
20	98,615	98,198	99,007	98,820	98,617	99,050	97,728	97,332	98,062
25	97,966	97,233	98,684	98,243	97,748	98,774	96,957	96,622	97,223
30	97,215	96,147	98,273	97,646	96,929	98,401	96,103	95,827	96,303
35	96,419	95,061	97,772	96,909	95,947	97,913	95,094	94,842	95,265
40	95,515	93,887	97,141	96,010	94,787	97,275	93,974	93,706	94,167
45	94,361	92,422	96,297	94,825	93,261	96,431	92,408	92,089	92,664
50	92,749	90,402	95,090	93,168	91,092	95,280	90,157	89,780	90,491
55	90,440	87,500	93,385	90,793	87,987	93,651	86,898	86,413	87,356

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
New Mexico—Con.									
60	87,141	83,317	90,970	87,398	83,590	91,261	82,190	81,495	82,896
65	82,387	77,377	87,426	82,527	77,488	87,664	75,514	74,417	76,686
70	75,574	69,198	82,071	75,634	69,278	82,194	66,403	64,593	68,319
75	66,081	58,465	73,886	66,210	58,732	73,970	54,862	51,788	57,573
80	53,438	45,371	61,673	53,976	46,064	62,117	40,854	36,710	44,713
85	37,858	31,031	44,885	39,228	32,264	46,438	26,183	21,543	30,823
90	21,527	17,626	25,542	23,812	19,196	28,626	13,431	9,507	17,883
95	8,543	7,649	9,451	10,942	9,053	12,892	4,990	2,756	8,112
100	1,923	2,264	1,703	3,302	3,082	3,537	1,177	439	2,605
105	187	395	100	541	671	459	150	31	521
New York									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,380	99,197	99,497	99,379	99,301	99,433	98,854	98,685	98,958
10	99,316	99,122	99,445	99,319	99,232	99,384	98,769	98,586	98,888
15	99,236	99,032	99,376	99,248	99,150	99,323	98,662	98,459	98,803
20	98,989	98,687	99,232	99,011	98,825	99,181	98,341	97,993	98,627
25	98,613	98,127	99,041	98,660	98,314	98,997	97,788	97,111	98,376
30	98,197	97,524	98,808	98,295	97,796	98,787	97,165	96,208	97,992
35	97,704	96,875	98,469	97,840	97,183	98,492	96,308	95,044	97,396
40	97,017	96,018	97,951	97,195	96,356	98,033	95,100	93,429	96,540
45	95,988	94,750	97,156	96,229	95,132	97,326	93,350	91,088	95,299
50	94,426	92,831	95,938	94,750	93,272	96,224	90,866	87,825	93,478
55	92,067	89,936	94,086	92,503	90,466	94,519	87,375	83,300	90,829
60	88,546	85,628	91,294	89,126	86,294	91,903	82,521	77,123	87,023
65	83,377	79,363	87,143	84,136	80,225	87,942	75,865	68,909	81,653
70	75,990	70,570	81,040	76,981	71,692	82,075	67,089	58,438	74,275
75	65,933	58,880	72,397	67,145	60,299	73,617	56,142	45,915	64,535
80	53,148	44,576	60,803	54,490	46,240	62,041	43,379	32,287	52,406
85	38,184	29,128	46,454	39,459	30,835	47,449	29,738	19,347	38,539
90	23,066	15,273	30,736	24,032	16,686	31,240	17,159	9,230	24,533
95	10,774	5,796	16,385	11,297	6,643	16,370	7,751	3,199	12,689
100	3,465	1,384	6,352	3,634	1,702	6,100	2,488	715	4,890
105	658	174	1,556	681	236	1,384	502	89	1,252
North Carolina									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,010	98,895	99,089	99,317	99,158	99,423	98,289	98,105	98,397
10	98,923	98,798	99,014	99,237	99,068	99,353	98,189	97,993	98,308
15	98,812	98,658	98,933	99,124	98,927	99,271	98,081	97,855	98,233
20	98,441	98,162	98,696	98,778	98,486	99,028	97,656	97,218	98,021
25	97,928	97,418	98,440	98,320	97,830	98,804	96,959	96,160	97,669
30	97,439	96,730	98,163	97,902	97,229	98,589	96,201	95,088	97,196
35	96,856	95,975	97,758	97,403	96,571	98,262	95,148	93,589	96,547
40	96,019	94,919	97,143	96,681	95,644	97,756	93,486	91,161	95,577
45	94,767	93,350	96,207	95,594	94,259	96,976	91,064	87,614	94,184
50	92,894	91,011	94,789	93,946	92,176	95,769	87,756	82,905	92,174
55	90,107	87,562	92,658	91,462	89,070	93,914	83,278	76,826	89,301
60	86,027	82,564	89,486	87,768	84,512	91,088	77,421	69,194	85,246
65	80,192	75,508	84,839	82,387	77,981	86,846	69,941	59,906	79,629
70	72,117	65,934	78,195	74,794	68,982	80,631	60,734	49,053	72,061
75	61,494	53,699	69,040	64,380	57,028	71,649	49,855	37,077	62,265
80	48,523	39,400	57,109	51,117	42,464	59,382	37,728	24,944	50,305
85	33,948	24,757	42,817	35,662	26,958	44,108	25,261	14,146	36,880
90	19,877	12,392	27,710	20,414	13,464	27,625	14,159	6,243	23,519
95	8,979	4,470	14,429	8,679	4,721	13,322	6,153	1,913	12,304
100	2,800	1,016	5,478	2,385	996	4,342	1,870	348	4,878
105	522	123	1,328	353	104	801	348	31	1,320

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
North Dakota									
0	100,000	100,000	100,000	100,000	100,000	100,000	*	*	*
5	99,236	99,148	99,316	99,259	99,090	99,400	*	*	*
10	99,189	99,089	99,283	99,221	99,039	99,376	*	*	*
15	99,086	98,955	99,213	99,131	98,922	99,314	*	*	*
20	98,788	98,563	99,015	98,853	98,567	99,119	*	*	*
25	98,393	98,001	98,810	98,525	98,102	98,948	*	*	*
30	98,008	97,446	98,614	98,183	97,595	98,790	*	*	*
35	97,585	96,883	98,341	97,802	97,076	98,557	*	*	*
40	97,021	96,177	97,922	97,271	96,389	98,189	*	*	*
45	96,179	95,149	97,271	96,482	95,402	97,604	*	*	*
50	94,872	93,566	96,265	95,252	93,893	96,677	*	*	*
55	92,847	91,107	94,715	93,334	91,559	95,218	*	*	*
60	89,750	87,324	92,346	90,378	87,970	92,938	*	*	*
65	85,115	81,622	88,771	85,910	82,550	89,416	*	*	*
70	78,356	73,311	83,519	79,298	74,617	84,082	*	*	*
75	68,798	61,825	75,887	69,874	63,572	76,250	*	*	*
80	56,217	47,225	65,261	57,357	49,356	65,294	*	*	*
85	40,956	30,922	51,504	42,035	33,157	51,092	*	*	*
90	25,006	15,983	35,582	25,855	17,833	34,739	*	*	*
95	11,694	5,789	20,052	12,188	6,860	19,027	*	*	*
100	3,691	1,247	8,318	3,872	1,614	7,518	*	*	*
105	665	129	2,202	698	189	1,838	*	*	*
Ohio									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,111	99,000	99,190	99,265	99,183	99,325	98,311	98,204	98,397
10	99,035	98,913	99,126	99,192	99,098	99,264	98,218	98,093	98,324
15	98,943	98,803	99,052	99,102	98,991	99,192	98,106	97,962	98,231
20	98,645	98,391	98,873	98,820	98,608	99,015	97,702	97,356	98,035
25	98,236	97,782	98,665	98,435	98,038	98,818	97,105	96,427	97,746
30	97,818	97,212	98,400	98,070	97,548	98,580	96,371	95,339	97,333
35	97,307	96,581	98,008	97,601	96,949	98,243	95,412	94,009	96,718
40	96,577	95,686	97,441	96,926	96,090	97,753	94,011	92,104	95,767
45	95,481	94,327	96,608	95,893	94,781	96,999	91,929	89,324	94,318
50	93,822	92,252	95,363	94,307	92,785	95,827	89,013	85,571	92,178
55	91,310	89,118	93,472	91,882	89,769	93,999	84,996	80,592	89,048
60	87,541	84,458	90,576	88,227	85,283	91,167	79,547	74,096	84,537
65	81,965	77,703	86,140	82,821	78,771	86,838	72,274	65,800	78,184
70	73,945	68,287	79,434	75,075	69,702	80,343	62,849	55,528	69,533
75	62,927	55,927	69,625	64,416	57,595	70,985	51,222	43,425	58,331
80	48,913	41,125	56,148	50,839	42,794	58,317	37,919	30,269	44,869
85	32,833	25,686	39,525	35,117	27,021	42,743	24,261	17,713	30,370
90	17,533	12,572	22,353	19,779	13,344	26,242	12,499	7,952	17,056
95	6,597	4,305	8,949	8,197	4,581	12,290	4,691	2,401	7,322
100	1,474	886	2,112	2,166	932	3,842	1,119	406	2,151
105	156	90	230	302	92	669	143	30	375
Oklahoma									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,049	98,941	99,142	99,103	98,985	99,196	98,817	98,387	99,094
10	98,949	98,843	99,041	98,999	98,878	99,094	98,688	98,271	98,952
15	98,810	98,658	98,951	98,863	98,696	99,006	98,529	98,086	98,819
20	98,417	98,150	98,680	98,463	98,176	98,735	98,008	97,349	98,534
25	97,890	97,396	98,400	97,950	97,454	98,450	97,304	96,310	98,190
30	97,346	96,626	98,093	97,432	96,712	98,169	96,659	95,442	97,782
35	96,697	95,790	97,640	96,766	95,848	97,712	95,824	94,370	97,195
40	95,801	94,688	96,954	95,850	94,708	97,027	94,533	92,819	96,165
45	94,482	93,089	95,918	94,529	93,087	96,012	92,623	90,549	94,616
50	92,517	90,719	94,362	92,570	90,705	94,487	89,835	87,270	92,323
55	89,612	87,227	92,041	89,687	87,223	92,210	85,824	82,606	88,963

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Oklahoma—Con.									
60	85,370	82,165	88,618	85,499	82,215	88,847	80,178	76,127	84,113
65	79,320	75,021	83,655	79,542	75,193	83,962	72,461	67,429	77,282
70	71,001	65,336	76,659	71,404	65,776	77,084	62,365	56,328	68,010
75	60,057	52,989	67,059	60,644	53,721	67,565	49,909	43,175	56,102
80	46,719	38,620	54,641	47,414	39,566	55,135	35,907	29,186	42,023
85	31,961	24,015	39,985	32,633	24,987	40,341	22,062	16,453	27,289
90	18,072	11,830	24,902	18,575	12,589	25,031	10,789	7,158	14,379
95	7,739	4,166	12,214	8,003	4,577	12,147	3,813	2,167	5,608
100	2,229	915	4,235	2,312	1,051	4,116	858	399	1,431
105	370	105	898	382	129	837	105	38	204
Oregon									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,343	99,252	99,413	99,341	99,253	99,408	99,100	98,732	99,389
10	99,261	99,173	99,329	99,253	99,168	99,317	98,989	98,588	99,313
15	99,170	99,056	99,265	99,160	99,048	99,253	98,851	98,412	99,213
20	98,882	98,662	99,090	98,871	98,656	99,074	98,447	97,837	99,005
25	98,519	98,106	98,929	98,508	98,103	98,912	97,827	96,947	98,707
30	98,126	97,546	98,718	98,123	97,565	98,694	97,125	96,059	98,236
35	97,666	96,950	98,407	97,653	96,955	98,375	96,237	95,038	97,541
40	97,034	96,151	97,945	96,988	96,121	97,886	95,060	93,638	96,648
45	96,092	94,965	97,249	96,007	94,893	97,151	93,360	91,630	95,360
50	94,651	93,163	96,174	94,513	93,039	96,024	90,886	88,711	93,512
55	92,441	90,437	94,495	92,245	90,256	94,287	87,355	84,524	90,860
60	89,080	86,366	91,864	88,838	86,138	91,611	82,416	78,641	87,082
65	84,046	80,416	87,771	83,797	80,172	87,525	75,652	70,625	81,782
70	76,769	72,091	81,523	76,504	71,869	81,229	66,736	60,187	74,531
75	66,587	60,858	72,319	66,294	60,660	71,946	55,469	47,472	64,982
80	53,277	46,815	59,559	52,963	46,639	59,121	42,524	33,424	53,090
85	37,474	31,245	43,530	37,169	31,095	43,075	28,774	19,952	39,446
90	21,584	16,834	26,323	21,336	16,720	25,934	16,274	9,396	25,541
95	9,168	6,604	11,846	9,017	6,535	11,601	7,138	3,167	13,574
100	2,476	1,638	3,404	2,417	1,611	3,307	2,199	673	5,457
105	349	214	507	337	208	488	420	77	1,489
Pennsylvania									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,177	99,083	99,246	99,319	99,226	99,387	98,277	98,143	98,371
10	99,095	98,996	99,168	99,237	99,143	99,307	98,192	98,037	98,309
15	99,011	98,894	99,104	99,162	99,049	99,251	98,050	97,869	98,192
20	98,699	98,451	98,928	98,869	98,644	99,075	97,573	97,111	98,007
25	98,201	97,680	98,706	98,420	97,963	98,861	96,640	95,527	97,694
30	97,706	96,953	98,446	98,007	97,378	98,623	95,730	94,142	97,236
35	97,189	96,261	98,104	97,531	96,753	98,298	94,614	92,580	96,538
40	96,468	95,377	97,543	96,855	95,908	97,791	93,191	90,783	95,460
45	95,403	94,070	96,721	95,850	94,644	97,048	91,200	88,338	93,883
50	93,792	92,080	95,492	94,327	92,719	95,936	88,336	84,857	91,589
55	91,356	89,064	93,637	92,024	89,814	94,244	84,284	79,946	88,313
60	87,707	84,561	90,822	88,569	85,492	91,645	78,688	73,183	83,731
65	82,318	78,004	86,565	83,447	79,211	87,660	71,174	64,207	77,486
70	74,601	68,810	80,223	76,071	70,401	81,634	61,448	52,920	69,069
75	64,032	56,656	71,067	65,884	58,702	72,797	49,694	39,803	58,518
80	50,576	41,970	58,570	52,748	44,402	60,534	36,650	26,210	46,163
85	34,979	26,478	43,030	37,231	28,980	45,003	23,652	14,253	32,914
90	19,720	13,132	26,379	21,635	15,172	28,015	12,641	5,907	20,358
95	8,163	4,574	12,215	9,359	5,746	13,225	5,203	1,678	10,331
100	2,143	960	3,701	2,614	1,369	4,099	1,502	285	3,994
105	294	100	603	390	171	685	271	25	1,069

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Rhode Island									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,282	99,267	99,292	99,603	99,662	99,565	99,110	98,953	99,231
10	99,202	99,172	99,226	99,533	99,581	99,507	98,993	98,814	99,137
15	99,137	99,101	99,169	99,465	99,503	99,449	98,850	98,652	99,014
20	98,912	98,773	99,049	99,256	99,208	99,330	98,538	98,256	98,790
25	98,586	98,305	98,862	98,942	98,772	99,136	98,050	97,606	98,463
30	98,234	97,818	98,642	98,599	98,299	98,920	97,420	96,823	97,984
35	97,813	97,260	98,352	98,169	97,726	98,626	96,573	95,818	97,293
40	97,172	96,465	97,860	97,516	96,865	98,174	95,380	94,415	96,305
45	96,199	95,259	97,112	96,528	95,587	97,467	93,678	92,425	94,900
50	94,715	93,423	95,970	95,024	93,666	96,365	91,243	89,579	92,911
55	92,454	90,647	94,225	92,738	90,805	94,654	87,812	85,561	90,104
60	89,071	86,509	91,572	89,332	86,601	92,024	83,094	79,995	86,170
65	84,090	80,475	87,583	84,341	80,557	88,034	76,749	72,488	80,719
70	76,991	72,050	81,701	77,311	72,195	82,238	68,328	62,760	73,318
75	67,233	60,680	73,304	67,574	60,844	73,867	57,637	50,855	63,600
80	54,615	46,482	61,907	54,851	46,586	62,319	44,850	37,448	51,506
85	39,593	30,798	47,613	39,578	30,774	47,647	31,054	24,036	37,652
90	24,144	16,391	31,730	23,830	16,248	31,250	18,147	12,692	23,652
95	11,367	6,304	17,021	10,915	6,144	16,195	8,314	5,098	11,895
100	3,665	1,515	6,614	3,338	1,431	5,889	2,701	1,406	4,340
105	690	189	1,611	572	169	1,275	546	234	1,007
South Carolina									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	98,940	98,835	99,017	99,333	99,373	99,320	98,299	98,076	98,441
10	98,839	98,724	98,927	99,244	99,288	99,228	98,178	97,921	98,354
15	98,718	98,574	98,837	99,126	99,149	99,133	98,048	97,749	98,268
20	98,302	97,994	98,593	98,695	98,550	98,881	97,658	97,202	98,034
25	97,712	97,119	98,299	98,198	97,843	98,615	96,878	95,957	97,685
30	97,081	96,237	97,923	97,699	97,135	98,339	95,977	94,671	97,125
35	96,375	95,320	97,428	97,122	96,366	97,964	94,930	93,233	96,421
40	95,401	94,116	96,683	96,323	95,351	97,392	93,534	91,435	95,378
45	93,997	92,366	95,615	95,173	93,872	96,578	91,551	88,903	93,882
50	91,942	89,785	94,070	93,455	91,659	95,358	88,702	85,287	91,722
55	88,931	86,009	91,818	90,879	88,370	93,503	84,644	80,209	88,627
60	84,574	80,589	88,527	87,047	83,564	90,670	79,022	73,254	84,246
65	78,401	73,027	83,743	81,464	76,713	86,378	71,450	64,078	78,171
70	69,924	62,924	76,903	73,568	67,319	80,012	61,689	52,618	69,995
75	58,899	50,276	67,431	62,915	55,172	70,804	49,931	39,401	59,475
80	45,584	35,894	55,025	49,563	40,788	58,242	36,763	25,815	46,804
85	30,901	21,703	40,174	34,251	25,849	42,675	23,546	13,965	32,941
90	17,179	10,301	24,732	19,387	13,050	26,089	12,353	5,762	19,733
95	7,133	3,457	11,764	8,138	4,738	12,068	4,897	1,632	9,394
100	1,945	715	3,819	2,204	1,079	3,670	1,321	278	3,239
105	294	77	716	321	130	607	212	24	717
South Dakota									
0	100,000	100,000	100,000	100,000	100,000	100,000	*	*	*
5	99,117	99,037	99,192	99,344	99,330	99,381	*	*	*
10	99,011	98,942	99,074	99,239	99,219	99,283	*	*	*
15	98,832	98,751	98,909	99,055	98,983	99,154	*	*	*
20	98,435	98,149	98,729	98,726	98,492	98,996	*	*	*
25	97,933	97,387	98,504	98,353	97,939	98,814	*	*	*
30	97,451	96,751	98,184	97,962	97,427	98,550	*	*	*
35	96,920	96,093	97,790	97,526	96,878	98,234	*	*	*
40	96,213	95,201	97,271	96,940	96,155	97,788	*	*	*
45	95,191	93,890	96,551	96,101	95,090	97,183	*	*	*
50	93,683	91,944	95,513	94,835	93,467	96,300	*	*	*
55	91,449	89,079	93,973	92,904	90,988	94,968	*	*	*

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
South Dakota—Con.									
60	88,185	84,914	91,652	89,988	87,242	92,918	*	*	*
65	83,449	78,989	88,136	85,615	81,689	89,736	*	*	*
70	76,721	70,784	82,854	79,211	73,679	84,888	*	*	*
75	67,340	59,838	75,103	69,974	62,649	77,494	*	*	*
80	55,110	46,290	64,225	57,527	48,601	66,673	*	*	*
85	40,386	31,327	50,062	42,088	32,724	52,028	*	*	*
90	24,992	17,369	33,719	25,627	17,756	34,630	*	*	*
95	11,983	7,188	18,096	11,744	6,975	17,859	*	*	*
100	3,939	1,955	6,870	3,501	1,711	6,178	*	*	*
105	752	297	1,562	557	216	1,169	*	*	*
Tennessee									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,126	98,924	99,249	99,371	99,531	99,291	98,352	97,964	98,557
10	99,037	98,821	99,175	99,294	99,441	99,226	98,209	97,801	98,436
15	98,904	98,667	99,063	99,168	99,295	99,123	98,032	97,610	98,275
20	98,471	98,063	98,813	98,757	98,739	98,865	97,547	96,908	98,010
25	97,868	97,190	98,488	98,231	97,985	98,578	96,683	95,587	97,572
30	97,263	96,342	98,132	97,702	97,258	98,255	95,768	94,257	97,038
35	96,597	95,478	97,668	97,094	96,463	97,842	94,656	92,750	96,279
40	95,693	94,348	96,990	96,245	95,386	97,222	93,165	90,836	95,164
45	94,359	92,695	95,970	94,990	93,813	96,285	91,073	88,224	93,534
50	92,363	90,234	94,438	93,103	91,461	94,866	88,069	84,523	91,168
55	89,393	86,596	92,149	90,290	87,982	92,731	83,804	79,355	87,772
60	85,055	81,314	88,767	86,165	82,924	89,554	77,946	72,324	82,972
65	78,870	73,862	83,853	80,254	75,766	84,897	70,128	63,110	76,345
70	70,365	63,791	76,866	72,093	66,036	78,260	60,096	51,683	67,507
75	59,227	51,043	67,235	61,276	53,596	68,940	48,003	38,599	56,303
80	45,795	36,414	54,745	48,002	39,082	56,583	34,707	25,239	43,110
85	31,012	21,897	39,981	33,067	24,298	41,647	21,658	13,651	29,152
90	17,246	10,245	24,791	18,788	11,951	25,958	10,955	5,651	16,486
95	7,194	3,339	12,058	8,037	4,191	12,600	4,128	1,616	7,232
100	1,990	655	4,119	2,283	912	4,231	1,039	280	2,226
105	312	65	852	365	104	838	152	25	422
Texas									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,326	99,185	99,420	99,340	99,270	99,392	98,632	98,417	98,781
10	99,241	99,084	99,351	99,255	99,173	99,320	98,512	98,274	98,683
15	99,134	98,960	99,261	99,152	99,052	99,236	98,383	98,119	98,583
20	98,778	98,475	99,045	98,790	98,564	99,011	97,990	97,575	98,347
25	98,296	97,779	98,795	98,329	97,886	98,786	97,348	96,648	97,986
30	97,840	97,132	98,540	97,897	97,279	98,541	96,639	95,691	97,514
35	97,323	96,457	98,188	97,390	96,604	98,213	95,773	94,594	96,868
40	96,590	95,535	97,651	96,683	95,694	97,719	94,548	93,085	95,910
45	95,480	94,154	96,820	95,613	94,343	96,942	92,728	90,880	94,463
50	93,792	92,066	95,538	93,988	92,308	95,739	90,062	87,673	92,311
55	91,240	88,935	93,572	91,535	89,271	93,883	86,204	83,082	89,146
60	87,435	84,313	90,587	87,880	84,805	91,050	80,738	76,658	84,560
65	81,882	77,657	86,126	82,542	78,392	86,787	73,206	67,972	78,069
70	74,037	68,429	79,630	74,973	69,506	80,516	63,264	56,813	69,199
75	63,467	56,352	70,451	64,688	57,844	71,509	50,987	43,515	57,698
80	50,193	41,875	58,201	51,629	43,741	59,292	37,031	29,319	43,910
85	35,011	26,656	43,256	36,466	28,650	44,157	23,047	16,396	29,188
90	20,210	13,482	27,351	21,401	15,167	27,852	11,463	7,021	15,910
95	8,813	4,875	13,554	9,527	5,887	13,638	4,143	2,066	6,513
100	2,559	1,093	4,687	2,833	1,469	4,577	959	363	1,778
105	419	127	966	475	199	889	121	32	278

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Utah									
0	100,000	100,000	100,000	100,000	100,000	100,000	*	*	*
5	99,398	99,311	99,471	99,407	99,319	99,479	*	*	*
10	99,333	99,234	99,418	99,342	99,243	99,426	*	*	*
15	99,244	99,113	99,362	99,251	99,116	99,372	*	*	*
20	98,954	98,704	99,190	98,962	98,711	99,200	*	*	*
25	98,591	98,164	99,007	98,631	98,223	99,026	*	*	*
30	98,151	97,572	98,732	98,254	97,737	98,767	*	*	*
35	97,627	96,927	98,340	97,693	97,050	98,344	*	*	*
40	96,942	96,115	97,789	96,997	96,185	97,825	*	*	*
45	95,981	94,971	97,017	96,073	95,052	97,117	*	*	*
50	94,589	93,285	95,929	94,741	93,414	96,101	*	*	*
55	92,550	90,780	94,368	92,762	90,982	94,588	*	*	*
60	89,554	87,088	92,076	89,793	87,363	92,277	*	*	*
65	85,158	81,740	88,627	85,354	82,048	88,708	*	*	*
70	78,726	74,154	83,346	78,925	74,471	83,425	*	*	*
75	69,464	63,702	75,255	69,659	64,002	75,345	*	*	*
80	56,801	50,290	63,230	56,927	50,517	63,242	*	*	*
85	40,844	34,870	46,758	40,802	34,973	46,550	*	*	*
90	23,744	19,855	27,621	23,497	19,828	27,132	*	*	*
95	9,765	8,424	11,086	9,452	8,335	10,546	*	*	*
100	2,327	2,327	2,348	2,153	2,263	2,088	*	*	*
105	245	350	184	209	331	144	*	*	*
Vermont									
0	100,000	100,000	100,000	100,000	100,000	100,000	*	*	*
5	99,443	99,570	99,327	99,513	99,741	99,353	*	*	*
10	99,371	99,508	99,244	99,427	99,664	99,258	*	*	*
15	99,291	99,406	99,187	99,319	99,573	99,132	*	*	*
20	99,018	99,048	99,005	99,063	99,218	98,980	*	*	*
25	98,590	98,420	98,789	98,661	98,609	98,794	*	*	*
30	98,179	97,799	98,586	98,229	97,979	98,559	*	*	*
35	97,757	97,210	98,324	97,766	97,359	98,245	*	*	*
40	97,171	96,485	97,873	97,176	96,616	97,804	*	*	*
45	96,322	95,420	97,235	96,313	95,536	97,153	*	*	*
50	95,022	93,782	96,268	95,000	93,894	96,160	*	*	*
55	92,991	91,255	94,755	92,960	91,377	94,617	*	*	*
60	89,848	87,404	92,350	89,827	87,560	92,193	*	*	*
65	85,040	81,654	88,511	85,084	81,883	88,399	*	*	*
70	77,928	73,462	82,465	78,068	73,677	82,551	*	*	*
75	67,684	62,069	73,250	68,046	62,226	73,823	*	*	*
80	53,905	47,443	60,059	54,695	47,527	61,516	*	*	*
85	37,206	30,985	43,102	38,518	30,999	45,722	*	*	*
90	20,431	15,866	24,863	22,031	15,837	28,299	*	*	*
95	7,845	5,620	10,102	9,141	5,589	13,134	*	*	*
100	1,750	1,159	2,383	2,342	1,146	3,922	*	*	*
105	177	111	251	299	109	611	*	*	*
Virginia									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,179	99,064	99,258	99,367	99,264	99,437	98,499	98,301	98,634
10	99,116	98,996	99,200	99,311	99,203	99,388	98,412	98,218	98,544
15	99,029	98,905	99,117	99,232	99,125	99,307	98,294	98,076	98,450
20	98,714	98,468	98,933	98,946	98,740	99,128	97,872	97,445	98,241
25	98,304	97,884	98,710	98,590	98,242	98,929	97,272	96,570	97,920
30	97,900	97,312	98,483	98,255	97,766	98,743	96,547	95,519	97,510
35	97,425	96,711	98,134	97,851	97,248	98,458	95,724	94,455	96,915
40	96,749	95,893	97,601	97,266	96,517	98,022	94,610	93,095	96,029
45	95,733	94,653	96,807	96,365	95,397	97,346	92,977	91,136	94,699
50	94,196	92,743	95,633	94,958	93,653	96,274	90,555	88,224	92,737
55	91,851	89,821	93,860	92,766	90,964	94,585	87,005	83,944	89,869

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Virginia—Con.									
60	88,287	85,417	91,140	89,394	86,876	91,946	81,904	77,791	85,731
65	82,946	78,938	86,939	84,312	80,797	87,879	74,777	69,248	79,880
70	75,165	69,762	80,501	76,931	72,077	81,801	65,203	57,991	71,855
75	64,333	57,514	70,912	66,619	60,238	72,846	53,195	44,281	61,333
80	50,289	42,587	57,462	53,197	45,491	60,387	39,321	29,443	48,431
85	33,871	26,754	40,524	37,261	29,386	44,641	25,060	15,947	34,096
90	18,019	13,114	22,753	21,296	14,973	27,532	12,864	6,404	20,298
95	6,645	4,454	8,860	8,928	5,357	12,812	4,848	1,679	9,487
100	1,411	893	1,955	2,363	1,149	3,890	1,188	244	3,147
105	135	86	186	323	121	632	163	16	649
Washington									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,431	99,315	99,510	99,396	99,328	99,449	98,935	98,911	98,972
10	99,363	99,233	99,456	99,325	99,251	99,386	98,817	98,773	98,875
15	99,277	99,127	99,391	99,242	99,144	99,328	98,705	98,616	98,812
20	98,985	98,718	99,224	98,954	98,746	99,156	98,412	98,200	98,659
25	98,584	98,133	99,019	98,559	98,165	98,962	97,803	97,278	98,426
30	98,228	97,633	98,816	98,221	97,698	98,761	97,302	96,650	98,081
35	97,822	97,107	98,537	97,788	97,139	98,461	96,641	95,877	97,562
40	97,231	96,364	98,103	97,184	96,371	98,029	95,650	94,718	96,780
45	96,321	95,235	97,418	96,272	95,214	97,369	94,154	92,981	95,602
50	94,915	93,506	96,339	94,876	93,453	96,347	91,923	90,396	93,835
55	92,750	90,878	94,650	92,733	90,791	94,742	88,653	86,600	91,201
60	89,452	86,938	92,026	89,467	86,822	92,220	83,871	81,130	87,325
65	84,534	81,155	88,010	84,580	81,029	88,289	77,150	73,477	81,729
70	77,476	72,994	82,057	77,493	72,886	82,286	68,021	63,227	73,885
75	67,619	61,859	73,364	67,536	61,737	73,434	56,495	50,377	63,373
80	54,677	47,778	61,328	54,429	47,599	61,118	42,738	35,778	50,210
85	39,156	31,995	46,093	38,693	31,738	45,506	28,105	21,430	35,320
90	23,247	17,250	29,323	22,638	16,960	28,417	15,035	10,009	20,824
95	10,385	6,731	14,423	9,840	6,509	13,503	5,967	3,272	9,481
100	3,043	1,642	4,812	2,749	1,542	4,240	1,552	650	2,979
105	487	207	910	407	185	726	226	66	557
West Virginia									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,228	99,290	99,196	99,271	99,342	99,226	98,680	98,925	98,507
10	99,130	99,193	99,098	99,176	99,243	99,136	98,347	98,679	98,081
15	98,999	99,062	98,967	99,048	99,111	99,013	98,044	98,542	97,601
20	98,594	98,532	98,692	98,634	98,565	98,736	97,652	98,228	97,119
25	98,053	97,739	98,411	98,108	97,778	98,474	97,092	97,660	96,569
30	97,499	96,986	98,058	97,554	97,012	98,131	96,325	96,846	95,860
35	96,858	96,168	97,595	96,944	96,228	97,696	95,245	95,672	94,887
40	95,984	95,044	96,963	96,072	95,093	97,079	93,710	93,967	93,520
45	94,706	93,385	96,062	94,810	93,472	96,172	91,530	91,538	91,592
50	92,801	90,921	94,729	92,909	91,049	94,805	88,448	88,101	88,882
55	89,957	87,299	92,704	90,055	87,466	92,715	84,126	83,296	85,113
60	85,763	82,072	89,585	85,834	82,264	89,517	78,316	76,730	79,955
65	79,686	74,731	84,792	79,731	74,915	84,679	70,605	68,044	73,062
70	71,161	64,842	77,562	71,219	64,964	77,539	60,902	57,096	64,166
75	59,706	52,323	67,088	59,878	52,315	67,435	49,232	44,219	53,238
80	45,516	37,881	52,973	45,977	37,695	54,076	36,243	30,514	40,731
85	29,790	23,354	36,107	30,619	23,017	38,197	23,354	17,858	27,778
90	15,423	11,383	19,477	16,450	11,021	22,180	12,474	8,283	16,116
95	5,608	3,958	7,302	6,427	3,717	9,566	5,136	2,782	7,467
100	1,215	857	1,582	1,584	766	2,656	1,483	602	2,542
105	127	97	155	204	81	393	267	73	572

See footnotes at end of table.

Table 1. Survivorship, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Wisconsin									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
5	99,300	99,125	99,418	99,314	99,256	99,361	98,207	97,840	98,412
10	99,221	99,027	99,358	99,235	99,163	99,297	98,080	97,697	98,300
15	99,129	98,925	99,276	99,155	99,075	99,224	97,883	97,466	98,139
20	98,811	98,475	99,098	98,857	98,662	99,048	97,302	96,576	97,886
25	98,382	97,831	98,895	98,465	98,065	98,873	96,433	95,199	97,507
30	98,017	97,321	98,682	98,131	97,597	98,680	95,716	94,310	96,951
35	97,616	96,808	98,399	97,751	97,112	98,410	94,770	93,211	96,151
40	97,034	96,079	97,968	97,206	96,415	98,021	93,401	91,589	95,010
45	96,133	94,956	97,295	96,366	95,348	97,419	91,454	89,293	93,390
50	94,732	93,223	96,244	95,053	93,689	96,471	88,685	86,010	91,095
55	92,574	90,568	94,608	93,012	91,132	94,972	84,780	81,390	87,857
60	89,300	86,556	92,085	89,879	87,244	92,613	79,386	75,031	83,317
65	84,404	80,625	88,244	85,140	81,457	88,942	72,076	66,569	77,036
70	77,347	72,217	82,520	78,182	73,127	83,345	62,576	55,840	68,560
75	67,482	60,758	74,194	68,393	61,745	75,090	50,737	43,167	57,597
80	54,656	46,350	62,693	55,580	47,398	63,541	37,344	29,650	44,352
85	39,287	30,401	48,062	40,108	31,422	48,683	23,751	17,188	29,963
90	23,511	15,844	31,674	24,094	16,668	31,911	12,212	7,836	16,656
95	10,668	5,857	16,555	10,958	6,341	16,430	4,627	2,556	6,953
100	3,219	1,315	6,108	3,298	1,488	5,868	1,142	528	1,922
105	542	147	1,355	549	177	1,224	156	60	299
Wyoming									
0	100,000	100,000	100,000	100,000	100,000	100,000	*	*	*
5	99,252	99,391	99,111	99,380	99,443	99,324	*	*	*
10	99,114	99,241	98,984	99,244	99,296	99,201	*	*	*
15	98,909	98,926	98,895	99,003	98,982	99,037	*	*	*
20	98,495	98,348	98,659	98,571	98,443	98,719	*	*	*
25	97,923	97,517	98,375	98,077	97,760	98,432	*	*	*
30	97,407	96,802	98,076	97,529	96,999	98,117	*	*	*
35	96,807	96,042	97,645	96,912	96,164	97,729	*	*	*
40	95,984	94,982	97,057	96,163	95,186	97,207	*	*	*
45	94,870	93,650	96,167	95,155	93,934	96,452	*	*	*
50	93,306	91,862	94,840	93,707	92,194	95,314	*	*	*
55	91,003	89,318	92,808	91,539	89,653	93,569	*	*	*
60	87,576	85,569	89,730	88,279	85,864	90,888	*	*	*
65	82,445	79,982	85,082	83,393	80,233	86,808	*	*	*
70	74,900	71,779	78,180	76,263	72,071	80,726	*	*	*
75	64,213	60,262	68,303	66,235	60,806	71,970	*	*	*
80	50,240	45,404	55,049	53,171	46,475	60,047	*	*	*
85	33,899	28,756	39,035	37,642	30,444	45,172	*	*	*
90	18,129	13,851	22,648	21,959	15,731	28,953	*	*	*
95	6,785	4,381	9,650	9,558	5,686	14,536	*	*	*
100	1,493	742	2,589	2,702	1,218	5,068	*	*	*
105	154	52	356	413	125	1,041	*	*	*

* Figure does not meet standards of reliability or precision; "Technical Notes."

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
United States									
0	76.83	74.10	79.45	77.41	74.74	79.97	71.74	68.08	75.12
5	72.47	69.77	75.04	72.94	70.31	75.46	67.92	64.31	71.22
10	67.52	64.83	70.09	67.99	65.36	70.51	62.99	59.39	66.28
15	62.59	59.90	65.15	63.05	60.43	65.56	58.07	54.48	61.35
20	57.79	55.17	60.27	58.25	55.69	60.69	53.32	49.83	56.48
25	53.05	50.54	55.41	53.48	51.02	55.81	48.71	45.41	51.67
30	48.28	45.85	50.55	48.70	46.30	50.94	44.10	40.94	46.91
35	43.54	41.18	45.73	43.93	41.60	46.10	39.53	36.47	42.22
40	38.87	36.58	40.98	39.23	36.98	41.31	35.06	32.10	37.65
45	34.31	32.10	36.31	34.63	32.46	36.61	30.79	27.92	33.26
50	29.88	27.79	31.74	30.15	28.09	31.99	26.75	24.05	29.03
55	25.59	23.62	27.31	25.80	23.86	27.52	22.93	20.43	24.98
60	21.54	19.71	23.09	21.70	19.88	23.25	19.40	17.14	21.18
65	17.77	16.11	19.12	17.88	16.22	19.23	16.14	14.12	17.65
70	14.27	12.80	15.40	14.34	12.87	15.47	13.18	11.40	14.41
75	11.12	9.89	11.99	11.15	9.92	12.02	10.54	9.07	11.49
80	8.42	7.44	9.05	8.42	7.43	9.04	8.29	7.12	8.96
85	6.22	5.47	6.62	6.19	5.43	6.59	6.41	5.52	6.86
90	4.49	3.95	4.71	4.44	3.90	4.67	4.90	4.23	5.16
95	3.19	2.82	3.29	3.14	2.77	3.24	3.71	3.24	3.84
100	2.27	2.03	2.29	2.22	1.98	2.24	2.81	2.48	2.84
105	1.64	1.48	1.62	1.60	1.44	1.58	2.13	1.91	2.11
Alabama									
0	74.80	71.32	78.34	75.96	72.85	79.14	70.82	66.42	74.94
5	70.62	67.25	74.08	71.57	68.55	74.67	67.04	62.79	71.08
10	65.69	62.32	69.15	66.63	63.62	69.73	62.14	57.89	66.17
15	60.78	57.43	64.23	61.72	58.73	64.80	57.22	52.98	61.25
20	56.06	52.80	59.40	57.02	54.11	59.99	52.47	48.33	56.38
25	51.42	48.30	54.60	52.33	49.53	55.17	47.93	43.99	51.63
30	46.75	43.72	49.83	47.59	44.87	50.35	43.37	39.59	46.91
35	42.09	39.11	45.11	42.88	40.21	45.57	38.88	35.26	42.27
40	37.50	34.57	40.45	38.23	35.63	40.84	34.56	31.13	37.74
45	33.03	30.18	35.89	33.71	31.19	36.22	30.45	27.26	33.40
50	28.71	25.98	31.44	29.34	26.93	31.72	26.56	23.60	29.25
55	24.61	22.02	27.16	25.18	22.90	27.40	22.89	20.17	25.29
60	20.75	18.34	23.08	21.27	19.14	23.29	19.46	16.99	21.57
65	17.20	14.99	19.26	17.64	15.70	19.43	16.29	14.06	18.14
70	13.98	12.01	15.75	14.35	12.63	15.86	13.41	11.41	15.02
75	11.14	9.44	12.61	11.42	9.96	12.65	10.83	9.05	12.25
80	8.67	7.27	9.87	8.88	7.69	9.86	8.56	7.01	9.83
85	6.62	5.51	7.56	6.76	5.84	7.52	6.64	5.29	7.78
90	4.97	4.13	5.68	5.06	4.37	5.61	5.07	3.91	6.07
95	3.69	3.07	4.20	3.74	3.25	4.13	3.82	2.84	4.69
100	2.73	2.29	3.09	2.75	2.42	3.01	2.87	2.05	3.60
105	2.03	1.72	2.27	2.03	1.81	2.20	2.16	1.50	2.77
Alaska									
0	76.63	74.18	79.41	77.61	75.45	80.10	*	*	*
5	72.35	69.96	75.08	73.06	70.94	75.53	*	*	*
10	67.41	65.03	70.12	68.11	66.00	70.56	*	*	*
15	62.50	60.16	65.18	63.18	61.09	65.61	*	*	*
20	57.81	55.57	60.36	58.42	56.40	60.76	*	*	*
25	53.22	51.11	55.62	53.70	51.78	55.92	*	*	*
30	48.61	46.63	50.84	48.96	47.14	51.05	*	*	*
35	43.94	42.07	46.05	44.23	42.51	46.20	*	*	*
40	39.26	37.48	41.27	39.52	37.88	41.40	*	*	*
45	34.65	32.94	36.57	34.88	33.30	36.69	*	*	*
50	30.15	28.52	31.99	30.35	28.84	32.09	*	*	*
55	25.84	24.28	27.56	26.00	24.55	27.63	*	*	*

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Alaska—Con.									
60	21.76	20.30	23.34	21.87	20.51	23.37	*	*	*
65	17.97	16.62	19.38	18.02	16.76	19.35	*	*	*
70	14.51	13.30	15.73	14.46	13.37	15.56	*	*	*
75	11.44	10.40	12.45	11.30	10.40	12.14	*	*	*
80	8.79	7.94	9.61	8.55	7.88	9.18	*	*	*
85	6.60	5.93	7.24	6.30	5.84	6.73	*	*	*
90	4.85	4.36	5.33	4.53	4.24	4.80	*	*	*
95	3.52	3.17	3.86	3.21	3.05	3.35	*	*	*
100	2.54	2.30	2.77	2.27	2.19	2.33	*	*	*
105	1.85	1.69	2.00	1.62	1.60	1.64	*	*	*
Arizona									
0	78.15	75.25	81.16	78.49	75.51	81.64	74.03	70.95	77.70
5	73.74	70.95	76.68	74.08	71.14	77.20	70.49	67.25	74.30
10	68.81	66.02	71.74	69.14	66.21	72.25	65.56	62.33	69.36
15	63.89	61.11	66.80	64.21	61.29	67.31	60.62	57.41	64.40
20	59.13	56.45	61.94	59.43	56.59	62.44	55.89	52.78	59.55
25	54.44	51.89	57.08	54.71	51.99	57.57	51.26	48.24	54.79
30	49.72	47.28	52.23	49.98	47.35	52.71	46.59	43.68	49.96
35	45.02	42.66	47.42	45.26	42.71	47.89	41.97	39.15	45.20
40	40.37	38.09	42.68	40.60	38.13	43.14	37.44	34.70	40.56
45	35.83	33.65	38.02	36.03	33.67	38.45	33.03	30.36	36.05
50	31.44	29.38	33.49	31.61	29.37	33.87	28.80	26.22	31.68
55	27.22	25.31	29.11	27.35	25.28	29.43	24.79	22.32	27.50
60	23.22	21.49	24.91	23.31	21.44	25.17	21.02	18.69	23.53
65	19.48	17.95	20.95	19.53	17.88	21.15	17.56	15.39	19.84
70	16.05	14.75	17.27	16.07	14.66	17.42	14.44	12.45	16.45
75	12.98	11.90	13.96	12.97	11.80	14.04	11.65	9.88	13.40
80	10.28	9.44	11.03	10.24	9.33	11.05	9.22	7.71	10.73
85	7.98	7.36	8.53	7.91	7.25	8.50	7.18	5.92	8.44
90	6.09	5.66	6.47	6.00	5.55	6.40	5.51	4.50	6.53
95	4.58	4.30	4.82	4.49	4.20	4.73	4.19	3.39	4.99
100	3.41	3.25	3.55	3.32	3.16	3.45	3.17	2.55	3.78
105	2.54	2.46	2.61	2.46	2.39	2.51	2.40	1.94	2.85
Arkansas									
0	75.43	72.05	78.99	76.28	73.17	79.59	70.59	67.30	73.58
5	71.16	67.94	74.60	71.85	68.74	75.16	66.73	63.49	69.71
10	66.24	63.02	69.66	66.92	63.82	70.22	61.82	58.59	64.78
15	61.33	58.13	64.74	62.02	58.93	65.30	56.91	53.70	59.86
20	56.60	53.48	59.91	57.29	54.29	60.47	52.15	49.00	55.02
25	51.94	48.94	55.11	52.60	49.70	55.66	47.59	44.63	50.26
30	47.27	44.37	50.32	47.87	45.04	50.84	43.10	40.32	45.59
35	42.59	39.77	45.55	43.18	40.43	46.06	38.57	35.90	40.95
40	37.97	35.23	40.84	38.54	35.86	41.33	34.12	31.56	36.40
45	33.46	30.81	36.23	34.01	31.42	36.69	29.81	27.37	31.95
50	29.11	26.57	31.76	29.63	27.16	32.16	25.68	23.39	27.66
55	24.97	22.55	27.46	25.44	23.13	27.79	21.80	19.68	23.56
60	21.08	18.82	23.38	21.50	19.36	23.63	18.19	16.29	19.73
65	17.50	15.41	19.57	17.85	15.91	19.73	14.91	13.24	16.20
70	14.25	12.37	16.06	14.54	12.83	16.14	12.00	10.56	13.03
75	11.37	9.73	12.91	11.60	10.14	12.93	9.44	8.28	10.26
80	8.88	7.50	10.17	9.05	7.85	10.12	7.28	6.39	7.91
85	6.80	5.69	7.84	6.91	5.98	7.75	5.52	4.86	5.98
90	5.12	4.25	5.94	5.19	4.49	5.82	4.14	3.67	4.45
95	3.82	3.16	4.43	3.85	3.34	4.30	3.08	2.76	3.29
100	2.83	2.35	3.27	2.84	2.49	3.14	2.29	2.09	2.43
105	2.11	1.76	2.42	2.11	1.87	2.30	1.73	1.60	1.81

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
California									
0	78.80	76.02	81.63	78.71	76.11	81.36	73.23	69.97	76.67
5	74.24	71.56	77.00	74.18	71.61	76.80	69.30	66.05	72.75
10	69.29	66.61	72.04	69.22	66.66	71.85	64.37	61.12	67.82
15	64.35	61.67	67.09	64.28	61.72	66.90	59.45	56.21	62.88
20	59.52	56.90	62.19	59.45	56.95	61.99	54.70	51.58	58.00
25	54.74	52.22	57.30	54.67	52.26	57.11	50.09	47.17	53.16
30	49.94	47.49	52.41	49.86	47.52	52.22	45.46	42.67	48.38
35	45.15	42.75	47.57	45.08	42.79	47.36	40.82	38.12	43.63
40	40.42	38.07	42.78	40.36	38.14	42.56	36.28	33.64	39.03
45	35.80	33.51	38.07	35.74	33.59	37.86	31.90	29.32	34.57
50	31.30	29.10	33.48	31.26	29.21	33.26	27.71	25.21	30.29
55	26.99	24.89	29.04	26.96	25.02	28.82	23.75	21.34	26.22
60	22.90	20.93	24.80	22.88	21.09	24.57	20.06	17.76	22.40
65	19.08	17.27	20.80	19.07	17.45	20.57	16.70	14.52	18.88
70	15.59	13.95	17.11	15.59	14.15	16.87	13.68	11.65	15.68
75	12.46	11.04	13.77	12.47	11.24	13.53	11.02	9.17	12.82
80	9.74	8.54	10.83	9.74	8.75	10.61	8.72	7.09	10.33
85	7.44	6.48	8.33	7.45	6.68	8.12	6.80	5.40	8.20
90	5.58	4.83	6.27	5.59	5.01	6.08	5.23	4.07	6.43
95	4.13	3.56	4.64	4.13	3.72	4.48	4.00	3.05	4.99
100	3.03	2.62	3.39	3.03	2.75	3.26	3.06	2.29	3.85
105	2.22	1.94	2.47	2.22	2.04	2.37	2.35	1.74	2.96
Colorado									
0	78.72	76.29	81.16	78.73	76.23	81.31	74.13	71.71	76.59
5	74.22	71.91	76.59	74.27	71.81	76.82	70.27	68.08	72.58
10	69.27	66.95	71.64	69.33	66.86	71.87	65.33	63.13	67.66
15	64.35	62.03	66.71	64.39	61.94	66.93	60.45	58.28	62.76
20	59.55	57.30	61.85	59.61	57.20	62.09	55.73	53.65	57.92
25	54.80	52.63	56.99	54.84	52.52	57.21	51.08	49.10	53.14
30	50.03	47.94	52.13	50.07	47.81	52.35	46.42	44.52	48.37
35	45.26	43.22	47.29	45.30	43.10	47.52	41.75	39.92	43.61
40	40.54	38.55	42.50	40.59	38.45	42.74	37.16	35.40	38.93
45	35.91	33.98	37.80	35.96	33.89	38.02	32.69	30.99	34.37
50	31.41	29.55	33.21	31.45	29.49	33.39	28.38	26.76	29.95
55	27.08	25.32	28.77	27.11	25.27	28.89	24.29	22.76	25.72
60	22.96	21.31	24.51	22.97	21.29	24.58	20.44	19.04	21.72
65	19.09	17.59	20.48	19.10	17.58	20.50	16.90	15.63	18.02
70	15.52	14.17	16.72	15.52	14.16	16.73	13.73	12.59	14.66
75	12.32	11.15	13.33	12.31	11.14	13.33	10.91	9.94	11.68
80	9.53	8.57	10.36	9.51	8.55	10.35	8.49	7.70	9.11
85	7.19	6.44	7.84	7.17	6.41	7.83	6.48	5.87	6.96
90	5.31	4.75	5.80	5.29	4.72	5.78	4.87	4.41	5.23
95	3.86	3.45	4.21	3.84	3.43	4.19	3.62	3.29	3.88
100	2.79	2.51	3.02	2.77	2.49	3.00	2.69	2.45	2.86
105	2.02	1.84	2.17	2.00	1.82	2.15	2.00	1.85	2.12
Connecticut									
0	78.90	76.13	81.63	79.36	76.73	81.92	74.81	71.73	77.71
5	74.45	71.71	77.15	74.84	72.24	77.37	70.72	67.30	73.83
10	69.49	66.75	72.20	69.88	67.27	72.42	65.77	62.36	68.88
15	64.54	61.81	67.24	64.92	62.33	67.46	60.84	57.44	63.93
20	59.69	57.03	62.31	60.07	57.54	62.53	56.05	52.77	59.00
25	54.92	52.36	57.43	55.29	52.84	57.64	51.37	48.26	54.13
30	50.15	47.68	52.55	50.48	48.12	52.75	46.76	43.82	49.34
35	45.37	42.96	47.70	45.68	43.38	47.89	42.19	39.39	44.64
40	40.63	38.28	42.91	40.94	38.70	43.08	37.79	35.12	40.12
45	35.98	33.69	38.18	36.28	34.10	38.34	33.53	31.00	35.70
50	31.45	29.24	33.57	31.74	29.65	33.70	29.40	27.03	31.40
55	27.09	24.98	29.09	27.36	25.39	29.19	25.41	23.24	27.22

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Connecticut—Con.									
60	22.95	20.97	24.79	23.20	21.37	24.86	21.63	19.67	23.23
65	19.08	17.26	20.74	19.30	17.64	20.77	18.10	16.37	19.49
70	15.54	13.90	16.99	15.73	14.26	16.97	14.88	13.38	16.04
75	12.37	10.95	13.59	12.52	11.28	13.54	12.00	10.74	12.95
80	9.60	8.43	10.61	9.71	8.72	10.52	9.48	8.45	10.24
85	7.28	6.35	8.08	7.35	6.60	7.97	7.35	6.55	7.95
90	5.41	4.69	6.01	5.45	4.91	5.89	5.60	4.99	6.06
95	3.95	3.43	4.39	3.97	3.60	4.26	4.22	3.77	4.55
100	2.87	2.50	3.17	2.87	2.64	3.05	3.16	2.84	3.39
105	2.09	1.84	2.29	2.08	1.94	2.19	2.37	2.15	2.52
Delaware									
0	77.04	74.24	79.78	77.80	75.05	80.55	72.69	70.27	75.21
5	72.74	70.13	75.35	73.32	70.69	75.97	68.68	65.88	71.45
10	67.80	65.19	70.39	68.36	65.73	71.00	63.78	60.99	66.53
15	62.88	60.27	65.47	63.41	60.78	66.07	58.87	56.05	61.66
20	58.05	55.51	60.59	58.58	56.00	61.18	54.06	51.27	56.82
25	53.30	50.86	55.72	53.81	51.34	56.29	49.36	46.65	52.04
30	48.54	46.19	50.87	49.03	46.64	51.42	44.71	42.07	47.32
35	43.81	41.51	46.07	44.26	41.94	46.58	40.13	37.54	42.69
40	39.14	36.90	41.34	39.56	37.30	41.80	35.64	33.09	38.16
45	34.58	32.41	36.70	34.96	32.78	37.10	31.30	28.79	33.78
50	30.17	28.09	32.19	30.50	28.43	32.51	27.14	24.70	29.55
55	25.95	23.98	27.85	26.22	24.28	28.09	23.21	20.86	25.52
60	21.97	20.14	23.71	22.17	20.39	23.87	19.54	17.32	21.72
65	18.27	16.60	19.83	18.41	16.81	19.90	16.19	14.12	18.17
70	14.90	13.41	16.25	14.95	13.54	16.22	13.21	11.29	15.00
75	11.90	10.60	13.03	11.88	10.66	12.92	10.59	8.86	12.20
80	9.29	8.22	10.22	9.20	8.21	10.04	8.35	6.84	9.77
85	7.10	6.24	7.84	6.96	6.20	7.62	6.48	5.19	7.70
90	5.33	4.67	5.90	5.17	4.60	5.65	4.96	3.90	5.99
95	3.95	3.46	4.36	3.78	3.38	4.12	3.78	2.92	4.61
100	2.91	2.56	3.20	2.75	2.48	2.98	2.87	2.19	3.53
105	2.15	1.91	2.35	2.01	1.83	2.16	2.20	1.67	2.70
District of Columbia									
0	73.09	68.57	77.59	81.54	78.94	84.31	69.61	64.59	74.46
5	68.94	64.69	73.30	76.95	74.41	79.71	65.54	60.34	70.53
10	64.03	59.80	68.35	72.07	69.52	74.82	60.62	55.42	65.60
15	59.11	54.92	63.39	67.18	64.67	69.89	55.67	50.49	60.64
20	54.43	50.47	58.47	62.26	59.79	64.95	51.15	46.28	55.76
25	49.83	46.12	53.63	57.37	54.93	60.01	46.87	42.48	51.01
30	45.20	41.60	48.88	52.49	50.10	55.09	42.53	38.53	46.28
35	40.65	37.13	44.23	47.66	45.31	50.20	38.27	34.56	41.72
40	36.23	32.79	39.70	42.89	40.59	45.36	34.12	30.69	37.24
45	31.98	28.63	35.31	38.20	35.95	40.59	30.06	26.89	32.89
50	27.91	24.69	31.09	33.61	31.42	35.90	26.14	23.21	28.72
55	24.07	21.00	27.07	29.14	27.04	31.35	22.44	19.72	24.77
60	20.49	17.60	23.27	24.86	22.85	26.96	18.98	16.49	21.06
65	17.21	14.52	19.72	20.81	18.88	22.79	15.84	13.58	17.65
70	14.26	11.80	16.47	17.09	15.26	18.90	13.02	11.00	14.56
75	11.63	9.43	13.56	13.71	12.04	15.33	10.52	8.78	11.82
80	9.32	7.43	11.00	10.72	9.26	12.16	8.36	6.91	9.44
85	7.36	5.78	8.79	8.17	6.94	9.41	6.56	5.37	7.43
90	5.75	4.45	6.93	6.09	5.08	7.12	5.08	4.15	5.77
95	4.46	3.41	5.40	4.46	3.66	5.27	3.91	3.19	4.44
100	3.44	2.61	4.17	3.23	2.62	3.84	3.00	2.45	3.40
105	2.66	2.01	3.21	2.34	1.88	2.79	2.31	1.90	2.60

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Florida									
0	78.10	74.97	81.40	78.79	75.64	82.14	72.22	68.98	75.53
5	73.78	70.69	77.05	74.32	71.21	77.65	68.33	65.14	71.62
10	68.84	65.75	72.10	69.37	66.26	72.69	63.41	60.23	66.69
15	63.91	60.83	67.16	64.44	61.34	67.75	58.49	55.33	61.75
20	59.12	56.12	62.29	59.65	56.61	62.88	53.72	50.64	56.89
25	54.43	51.54	57.46	54.94	52.01	58.03	49.09	46.15	52.11
30	49.73	46.93	52.65	50.20	47.36	53.19	44.49	41.63	47.42
35	45.02	42.29	47.86	45.47	42.70	48.37	39.96	37.18	42.82
40	40.38	37.72	43.14	40.80	38.11	43.62	35.52	32.76	38.36
45	35.85	33.28	38.50	36.24	33.64	38.96	31.23	28.48	34.04
50	31.46	29.00	33.99	31.83	29.33	34.41	27.11	24.40	29.88
55	27.25	24.92	29.63	27.59	25.22	30.02	23.21	20.57	25.89
60	23.26	21.10	25.46	23.56	21.37	25.80	19.56	17.04	22.10
65	19.54	17.58	21.52	19.80	17.80	21.82	16.20	13.86	18.52
70	16.14	14.39	17.88	16.35	14.57	18.12	13.22	11.05	15.31
75	13.09	11.56	14.58	13.24	11.71	14.75	10.61	8.65	12.48
80	10.41	9.12	11.66	10.51	9.24	11.76	8.35	6.65	10.01
85	8.12	7.08	9.14	8.18	7.16	9.18	6.48	5.04	7.90
90	6.23	5.41	7.03	6.26	5.46	7.02	4.97	3.78	6.16
95	4.72	4.09	5.32	4.72	4.12	5.28	3.78	2.82	4.74
100	3.54	3.08	3.98	3.52	3.10	3.92	2.88	2.12	3.63
105	2.65	2.32	2.96	2.62	2.33	2.90	2.20	1.61	2.77
Georgia									
0	75.27	72.28	78.22	76.68	73.88	79.53	72.36	68.29	76.16
5	71.00	68.11	73.89	72.22	69.48	75.02	68.45	64.53	72.18
10	66.07	63.17	68.95	67.28	64.54	70.07	63.52	59.60	67.25
15	61.14	58.26	64.01	62.35	59.62	65.14	58.61	54.71	62.32
20	56.37	53.56	59.16	57.58	54.92	60.30	53.84	50.01	57.45
25	51.66	48.95	54.31	52.85	50.28	55.43	49.16	45.47	52.64
30	46.92	44.28	49.49	48.07	45.57	50.57	44.50	40.89	47.88
35	42.19	39.60	44.70	43.30	40.85	45.75	39.90	36.37	43.19
40	37.54	35.01	39.99	38.60	36.20	40.98	35.40	31.96	38.60
45	33.01	30.55	35.36	34.02	31.68	36.31	31.06	27.73	34.13
50	28.63	26.28	30.85	29.58	27.33	31.77	26.91	23.71	29.83
55	24.44	22.24	26.49	25.33	23.20	27.38	23.00	19.96	25.73
60	20.51	18.48	22.34	21.33	19.33	23.21	19.37	16.51	21.87
65	16.88	15.06	18.46	17.63	15.79	19.28	16.06	13.42	18.29
70	13.60	12.01	14.90	14.26	12.62	15.66	13.10	10.70	15.04
75	10.71	9.38	11.73	11.27	9.86	12.41	10.48	8.38	12.15
80	8.21	7.17	9.00	8.68	7.54	9.60	8.23	6.45	9.64
85	6.15	5.39	6.73	6.53	5.66	7.24	6.36	4.90	7.52
90	4.53	3.99	4.93	4.83	4.18	5.35	4.85	3.68	5.78
95	3.29	2.94	3.55	3.52	3.06	3.88	3.67	2.76	4.39
100	2.39	2.17	2.55	2.56	2.24	2.80	2.78	2.08	3.31
105	1.75	1.63	1.84	1.87	1.67	2.03	2.11	1.60	2.50
Hawaii									
0	80.23	77.17	83.65	80.64	78.40	83.31	*	*	*
5	75.86	72.86	79.24	75.92	73.69	78.59	*	*	*
10	70.90	67.89	74.28	70.95	68.71	73.61	*	*	*
15	65.94	62.95	69.31	65.98	63.73	68.64	*	*	*
20	61.09	58.13	64.41	61.06	58.81	63.73	*	*	*
25	56.28	53.39	59.52	56.20	53.98	58.83	*	*	*
30	51.49	48.65	54.65	51.36	49.18	53.93	*	*	*
35	46.71	43.92	49.82	46.54	44.41	49.04	*	*	*
40	41.99	39.23	45.06	41.79	39.72	44.21	*	*	*
45	37.35	34.64	40.36	37.13	35.14	39.44	*	*	*
50	32.83	30.19	35.76	32.59	30.70	34.78	*	*	*
55	28.48	25.93	31.29	28.22	26.45	30.25	*	*	*

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Hawaii—Con.									
60	24.32	21.91	26.97	24.06	22.43	25.89	*	*	*
65	20.42	18.17	22.87	20.15	18.68	21.76	*	*	*
70	16.79	14.76	19.02	16.56	15.27	17.93	*	*	*
75	13.52	11.75	15.48	13.32	12.23	14.44	*	*	*
80	10.64	9.14	12.31	10.46	9.60	11.35	*	*	*
85	8.19	6.97	9.55	8.04	7.38	8.70	*	*	*
90	6.18	5.22	7.23	6.05	5.57	6.52	*	*	*
95	4.58	3.86	5.36	4.47	4.16	4.79	*	*	*
100	3.35	2.84	3.91	3.28	3.08	3.47	*	*	*
105	2.45	2.10	2.82	2.40	2.28	2.50	*	*	*
Idaho									
0	78.29	76.18	80.50	78.44	76.46	80.53	*	*	*
5	73.85	71.68	76.12	73.95	71.84	76.15	*	*	*
10	68.92	66.74	71.19	69.02	66.91	71.23	*	*	*
15	64.01	61.84	66.27	64.12	62.01	66.30	*	*	*
20	59.24	57.14	61.41	59.34	57.31	61.44	*	*	*
25	54.50	52.51	56.55	54.57	52.62	56.58	*	*	*
30	49.72	47.80	51.69	49.79	47.92	51.71	*	*	*
35	44.94	43.06	46.86	45.03	43.21	46.88	*	*	*
40	40.21	38.37	42.09	40.30	38.53	42.10	*	*	*
45	35.57	33.79	37.38	35.65	33.93	37.38	*	*	*
50	31.04	29.35	32.75	31.10	29.46	32.75	*	*	*
55	26.68	25.10	28.25	26.71	25.16	28.26	*	*	*
60	22.52	21.09	23.92	22.54	21.10	23.94	*	*	*
65	18.63	17.36	19.82	18.63	17.34	19.86	*	*	*
70	15.05	13.98	16.03	15.04	13.93	16.06	*	*	*
75	11.86	10.99	12.62	11.84	10.93	12.65	*	*	*
80	9.09	8.44	9.64	9.06	8.37	9.67	*	*	*
85	6.78	6.34	7.16	6.76	6.26	7.18	*	*	*
90	4.95	4.68	5.17	4.92	4.60	5.19	*	*	*
95	3.55	3.41	3.66	3.52	3.34	3.68	*	*	*
100	2.53	2.48	2.57	2.51	2.42	2.58	*	*	*
105	1.82	1.82	1.82	1.80	1.77	1.83	*	*	*
Illinois									
0	77.06	73.91	80.26	78.05	75.33	80.78	70.62	66.81	74.20
5	72.69	69.68	75.80	73.62	70.94	76.31	66.97	63.23	70.51
10	67.74	64.73	70.85	68.66	65.98	71.35	62.05	58.32	65.58
15	62.80	59.80	65.90	63.71	61.04	66.40	57.15	53.43	60.66
20	58.01	55.09	61.02	58.90	56.28	61.52	52.46	48.90	55.79
25	53.30	50.49	56.16	54.13	51.61	56.63	48.01	44.75	51.02
30	48.54	45.83	51.29	49.32	46.86	51.74	43.49	40.45	46.27
35	43.78	41.12	46.46	44.52	42.12	46.88	39.02	36.12	41.67
40	39.07	36.47	41.70	39.78	37.43	42.07	34.62	31.81	37.18
45	34.48	31.94	37.04	35.14	32.86	37.35	30.38	27.66	32.83
50	30.03	27.57	32.50	30.63	28.44	32.75	26.32	23.73	28.65
55	25.78	23.41	28.13	26.31	24.22	28.29	22.50	20.06	24.67
60	21.77	19.52	23.96	22.21	20.26	24.03	18.94	16.69	20.92
65	18.05	15.95	20.05	18.40	16.61	20.01	15.70	13.66	17.44
70	14.67	12.75	16.46	14.92	13.33	16.31	12.79	10.99	14.29
75	11.67	9.97	13.23	11.83	10.45	12.99	10.24	8.70	11.48
80	9.07	7.62	10.40	9.14	8.01	10.09	8.04	6.78	9.05
85	6.90	5.71	8.00	6.90	6.01	7.65	6.21	5.22	7.01
90	5.16	4.21	6.04	5.11	4.43	5.67	4.74	3.98	5.35
95	3.81	3.08	4.48	3.73	3.24	4.13	3.59	3.03	4.03
100	2.80	2.26	3.29	2.70	2.36	2.98	2.71	2.31	3.03
105	2.07	1.67	2.42	1.97	1.75	2.15	2.06	1.78	2.28

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Indiana									
0	76.47	73.55	79.45	76.97	74.24	79.69	71.98	67.47	76.55
5	72.17	69.31	75.11	72.60	69.92	75.29	68.01	63.88	72.30
10	67.23	64.37	70.17	67.66	64.99	70.35	63.09	58.97	67.37
15	62.30	59.45	65.22	62.73	60.06	65.40	58.15	54.05	62.42
20	57.52	54.75	60.35	57.94	55.34	60.54	53.48	49.57	57.53
25	52.79	50.13	55.50	53.17	50.67	55.67	49.03	45.41	52.74
30	48.03	45.46	50.64	48.40	45.96	50.81	44.51	41.11	47.98
35	43.28	40.76	45.82	43.64	41.25	45.98	39.91	36.63	43.26
40	38.58	36.12	41.06	38.94	36.61	41.21	35.41	32.22	38.65
45	34.00	31.59	36.40	34.34	32.09	36.53	31.03	27.96	34.14
50	29.56	27.24	31.87	29.89	27.73	31.98	26.84	23.92	29.79
55	25.32	23.10	27.51	25.64	23.58	27.58	22.89	20.14	25.63
60	21.33	19.23	23.36	21.62	19.70	23.39	19.20	16.66	21.71
65	17.64	15.69	19.48	17.89	16.14	19.47	15.85	13.54	18.08
70	14.29	12.52	15.92	14.50	12.94	15.85	12.83	10.79	14.77
75	11.33	9.77	12.73	11.50	10.15	12.62	10.20	8.44	11.84
80	8.77	7.45	9.95	8.89	7.79	9.81	7.95	6.49	9.31
85	6.65	5.58	7.61	6.73	5.86	7.44	6.09	4.92	7.18
90	4.95	4.11	5.70	5.00	4.34	5.53	4.60	3.70	5.45
95	3.64	3.00	4.21	3.66	3.19	4.04	3.45	2.77	4.08
100	2.67	2.20	3.08	2.67	2.34	2.93	2.59	2.08	3.04
105	1.97	1.63	2.26	1.96	1.74	2.13	1.96	1.59	2.27
Iowa									
0	78.76	76.11	81.39	78.77	76.19	81.35	72.91	70.81	75.16
5	74.26	71.72	76.82	74.30	71.78	76.83	68.76	66.58	71.08
10	69.32	66.79	71.87	69.36	66.84	71.89	63.85	61.68	66.15
15	64.38	61.85	66.93	64.42	61.90	66.94	58.94	56.80	61.23
20	59.58	57.10	62.06	59.62	57.17	62.07	54.15	52.07	56.36
25	54.80	52.41	57.18	54.82	52.44	57.19	49.45	47.44	51.57
30	49.98	47.65	52.29	50.00	47.68	52.30	44.77	42.83	46.79
35	45.18	42.89	47.45	45.20	42.91	47.46	40.10	38.22	42.05
40	40.43	38.18	42.65	40.45	38.21	42.66	35.54	33.70	37.41
45	35.77	33.58	37.92	35.78	33.61	37.92	31.12	29.35	32.90
50	31.23	29.12	33.29	31.25	29.15	33.28	26.89	25.20	28.56
55	26.86	24.86	28.78	26.87	24.89	28.77	22.89	21.30	24.42
60	22.70	20.84	24.44	22.71	20.86	24.44	19.17	17.69	20.54
65	18.80	17.11	20.34	18.80	17.13	20.33	15.76	14.42	16.97
70	15.21	13.72	16.53	15.20	13.72	16.51	12.71	11.52	13.74
75	12.01	10.73	13.10	11.99	10.73	13.07	10.06	9.03	10.91
80	9.22	8.19	10.10	9.19	8.18	10.05	7.79	6.95	8.48
85	6.90	6.11	7.57	6.87	6.10	7.52	5.93	5.26	6.47
90	5.05	4.47	5.53	5.01	4.46	5.47	4.45	3.93	4.86
95	3.63	3.24	3.96	3.60	3.22	3.91	3.31	2.93	3.61
100	2.60	2.34	2.80	2.57	2.33	2.76	2.46	2.19	2.68
105	1.87	1.71	1.99	1.85	1.70	1.96	1.85	1.66	2.00
Kansas									
0	77.78	74.84	80.88	78.18	75.46	81.00	71.70	68.47	75.02
5	73.39	70.58	76.40	73.80	71.14	76.56	68.09	65.01	71.29
10	68.44	65.63	71.45	68.85	66.19	71.62	63.15	60.08	66.35
15	63.51	60.71	66.52	63.92	61.27	66.68	58.27	55.21	61.46
20	58.74	56.02	61.65	59.14	56.56	61.83	53.65	50.75	56.64
25	54.02	51.40	56.79	54.39	51.91	56.94	49.16	46.45	51.90
30	49.26	46.73	51.93	49.61	47.22	52.07	44.54	41.89	47.18
35	44.48	42.01	47.09	44.84	42.51	47.22	39.92	37.33	42.51
40	39.76	37.32	42.32	40.12	37.83	42.45	35.41	32.89	37.91
45	35.13	32.73	37.64	35.49	33.25	37.76	31.06	28.62	33.45
50	30.63	28.30	33.07	30.99	28.82	33.19	26.90	24.57	29.14
55	26.33	24.07	28.67	26.68	24.59	28.78	22.98	20.77	25.05

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Kansas—Con.									
60	22.25	20.09	24.47	22.59	20.60	24.55	19.32	17.28	21.20
65	18.46	16.42	20.52	18.78	16.92	20.58	15.98	14.12	17.65
70	15.00	13.13	16.86	15.29	13.60	16.89	12.98	11.32	14.43
75	11.92	10.25	13.56	12.18	10.69	13.56	10.34	8.92	11.58
80	9.25	7.81	10.67	9.47	8.21	10.64	8.09	6.91	9.12
85	7.02	5.83	8.20	7.20	6.17	8.16	6.23	5.28	7.06
90	5.22	4.28	6.17	5.37	4.56	6.12	4.74	3.99	5.39
95	3.84	3.11	4.57	3.95	3.33	4.52	3.57	3.00	4.06
100	2.81	2.26	3.35	2.88	2.43	3.29	2.69	2.26	3.05
105	2.06	1.66	2.45	2.11	1.79	2.40	2.04	1.73	2.29
Kentucky									
0	75.20	72.25	78.20	75.59	72.73	78.42	71.71	69.01	74.46
5	70.81	67.92	73.75	71.15	68.38	73.92	67.85	64.90	70.79
10	65.87	62.99	68.81	66.21	63.45	68.98	62.91	59.96	65.86
15	60.94	58.07	63.87	61.28	58.53	64.05	57.98	55.05	60.90
20	56.17	53.37	59.02	56.51	53.82	59.20	53.21	50.39	56.00
25	51.44	48.74	54.17	51.77	49.19	54.34	48.53	45.77	51.24
30	46.72	44.10	49.36	47.03	44.54	49.50	43.90	41.23	46.50
35	42.00	39.43	44.59	42.32	39.88	44.71	39.28	36.66	41.83
40	37.35	34.83	39.87	37.67	35.30	39.99	34.76	32.20	37.25
45	32.80	30.35	35.24	33.13	30.86	35.34	30.42	27.89	32.85
50	28.40	26.05	30.72	28.75	26.60	30.81	26.27	23.80	28.63
55	24.20	21.99	26.35	24.56	22.57	26.44	22.36	19.97	24.62
60	20.25	18.21	22.19	20.62	18.81	22.26	18.74	16.45	20.86
65	16.61	14.77	18.29	16.97	15.39	18.34	15.43	13.29	17.40
70	13.32	11.71	14.73	13.66	12.34	14.75	12.50	10.52	14.27
75	10.43	9.08	11.55	10.74	9.68	11.56	9.95	8.17	11.51
80	7.95	6.89	8.82	8.22	7.45	8.81	7.76	6.22	9.12
85	5.92	5.13	6.56	6.15	5.63	6.53	5.96	4.67	7.11
90	4.33	3.77	4.77	4.51	4.20	4.74	4.52	3.47	5.47
95	3.13	2.76	3.42	3.27	3.11	3.38	3.41	2.58	4.16
100	2.26	2.03	2.44	2.36	2.31	2.40	2.58	1.93	3.15
105	1.65	1.52	1.76	1.73	1.73	1.73	1.96	1.47	2.39
Louisiana									
0	74.28	71.12	77.44	76.38	73.47	79.41	70.77	66.45	75.30
5	70.11	66.99	73.23	71.87	68.88	74.96	66.93	62.66	71.43
10	65.19	62.08	68.30	66.94	63.95	70.02	62.02	57.76	66.51
15	60.27	57.18	63.37	62.03	59.06	65.08	57.11	52.86	61.59
20	55.54	52.54	58.52	57.28	54.39	60.24	52.38	48.24	56.73
25	50.91	48.08	53.72	52.58	49.81	55.41	47.88	43.96	51.98
30	46.29	43.60	48.93	47.88	45.21	50.58	43.36	39.64	47.27
35	41.66	39.08	44.18	43.17	40.58	45.77	38.90	35.34	42.63
40	37.08	34.58	39.51	38.52	36.02	41.04	34.49	31.07	38.10
45	32.61	30.19	34.94	33.99	31.58	36.40	30.20	26.88	33.70
50	28.29	25.99	30.51	29.61	27.31	31.88	26.09	22.88	29.48
55	24.18	22.01	26.23	25.44	23.27	27.54	22.23	19.13	25.46
60	20.32	18.32	22.15	21.50	19.49	23.40	18.64	15.70	21.69
65	16.74	14.96	18.32	17.85	16.03	19.52	15.38	12.63	18.20
70	13.50	11.98	14.80	14.53	12.94	15.95	12.47	9.96	15.04
75	10.64	9.40	11.64	11.59	10.23	12.74	9.94	7.70	12.22
80	8.17	7.23	8.91	9.02	7.93	9.94	7.78	5.85	9.77
85	6.12	5.47	6.63	6.89	6.04	7.59	5.99	4.39	7.69
90	4.50	4.09	4.82	5.16	4.54	5.68	4.57	3.26	5.97
95	3.27	3.03	3.44	3.82	3.38	4.18	3.47	2.43	4.58
100	2.36	2.26	2.44	2.81	2.52	3.05	2.64	1.82	3.50
105	1.73	1.70	1.75	2.08	1.89	2.23	2.03	1.40	2.67

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Maine									
0	77.46	75.23	79.63	78.23	75.59	80.88	*	*	*
5	72.87	70.71	74.99	73.63	71.07	76.23	*	*	*
10	67.92	65.76	70.03	68.68	66.12	71.27	*	*	*
15	62.98	60.83	65.11	63.75	61.18	66.35	*	*	*
20	58.18	56.08	60.24	58.95	56.45	61.48	*	*	*
25	53.43	51.42	55.38	54.19	51.78	56.62	*	*	*
30	48.64	46.72	50.51	49.40	47.05	51.75	*	*	*
35	43.85	41.98	45.65	44.63	42.35	46.90	*	*	*
40	39.09	37.27	40.84	39.88	37.66	42.09	*	*	*
45	34.41	32.66	36.10	35.22	33.08	37.36	*	*	*
50	29.86	28.19	31.46	30.69	28.64	32.73	*	*	*
55	25.49	23.91	26.97	26.35	24.39	28.26	*	*	*
60	21.32	19.90	22.63	22.23	20.40	23.98	*	*	*
65	17.41	16.20	18.48	18.39	16.72	19.95	*	*	*
70	13.85	12.87	14.65	14.89	13.40	16.24	*	*	*
75	10.68	9.98	11.23	11.78	10.49	12.91	*	*	*
80	7.97	7.54	8.29	9.08	8.02	10.01	*	*	*
85	5.76	5.57	5.90	6.84	6.01	7.56	*	*	*
90	4.06	4.04	4.07	5.04	4.42	5.59	*	*	*
95	2.82	2.91	2.75	3.67	3.21	4.05	*	*	*
100	1.96	2.10	1.87	2.65	2.34	2.91	*	*	*
105	1.40	1.54	1.31	1.93	1.72	2.10	*	*	*
Maryland									
0	76.36	73.55	79.08	78.13	75.58	80.66	72.20	68.41	75.78
5	72.06	69.27	74.77	73.60	71.07	76.10	68.26	64.33	71.92
10	67.11	64.33	69.82	68.64	66.12	71.14	63.32	59.39	66.99
15	62.17	59.40	64.86	63.69	61.18	66.18	58.41	54.50	62.05
20	57.40	54.73	59.98	58.89	56.43	61.31	53.71	49.98	57.15
25	52.72	50.21	55.12	54.14	51.80	56.44	49.16	45.71	52.32
30	48.02	45.64	50.28	49.33	47.05	51.56	44.62	41.38	47.55
35	43.31	41.00	45.50	44.54	42.32	46.69	40.11	37.06	42.87
40	38.65	36.39	40.77	39.80	37.65	41.89	35.79	32.96	38.32
45	34.08	31.91	36.13	35.16	33.08	37.16	31.63	29.07	33.90
50	29.66	27.59	31.58	30.66	28.68	32.54	27.63	25.36	29.63
55	25.41	23.48	27.18	26.33	24.47	28.07	23.83	21.83	25.57
60	21.39	19.65	22.95	22.23	20.51	23.80	20.25	18.49	21.74
65	17.66	16.13	18.97	18.41	16.86	19.78	16.91	15.36	18.19
70	14.26	12.97	15.29	14.89	13.53	16.05	13.83	12.46	14.92
75	11.22	10.21	11.99	11.76	10.60	12.71	11.05	9.83	12.01
80	8.59	7.88	9.12	9.04	8.11	9.80	8.60	7.51	9.49
85	6.41	5.96	6.74	6.79	6.07	7.36	6.54	5.55	7.36
90	4.68	4.45	4.84	4.99	4.47	5.40	4.86	3.98	5.63
95	3.36	3.29	3.42	3.61	3.25	3.89	3.56	2.78	4.25
100	2.41	2.43	2.39	2.60	2.36	2.78	2.59	1.94	3.19
105	1.74	1.81	1.69	1.88	1.74	1.99	1.90	1.37	2.40
Massachusetts									
0	78.76	75.79	81.68	79.01	76.35	81.63	76.36	73.14	79.33
5	74.14	71.29	76.98	74.27	71.54	76.94	72.12	68.75	75.21
10	69.18	66.32	72.01	69.31	66.58	71.97	67.17	63.79	70.26
15	64.22	61.38	67.05	64.36	61.63	67.01	62.24	58.86	65.34
20	59.35	56.55	62.13	59.48	56.80	62.08	57.44	54.14	60.43
25	54.53	51.80	57.23	54.65	52.03	57.19	52.69	49.50	55.56
30	49.70	47.04	52.33	49.82	47.26	52.29	47.98	44.91	50.74
35	44.90	42.28	47.48	45.01	42.50	47.43	43.32	40.36	45.97
40	40.15	37.57	42.67	40.27	37.81	42.63	38.74	35.86	41.29
45	35.49	32.97	37.95	35.62	33.22	37.91	34.28	31.50	36.71
50	30.96	28.52	33.34	31.10	28.78	33.29	29.98	27.32	32.27
55	26.61	24.26	28.88	26.75	24.55	28.83	25.88	23.37	28.01

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Massachusetts—Con.									
60	22.49	20.26	24.61	22.64	20.56	24.55	22.02	19.68	23.97
65	18.65	16.57	20.59	18.80	16.88	20.52	18.45	16.30	20.18
70	15.14	13.24	16.86	15.28	13.56	16.78	15.20	13.27	16.70
75	12.00	10.33	13.48	12.14	10.65	13.41	12.30	10.61	13.57
80	9.28	7.87	10.53	9.41	8.17	10.45	9.75	8.33	10.82
85	7.00	5.87	8.02	7.12	6.13	7.95	7.60	6.44	8.47
90	5.18	4.30	5.97	5.28	4.53	5.91	5.83	4.92	6.51
95	3.78	3.11	4.37	3.85	3.31	4.31	4.42	3.72	4.94
100	2.74	2.26	3.16	2.80	2.41	3.11	3.33	2.81	3.71
105	2.00	1.66	2.28	2.04	1.78	2.25	2.51	2.13	2.78
Michigan									
0	76.90	73.98	79.83	77.92	75.26	80.59	71.62	67.38	75.95
5	72.52	69.77	75.33	73.46	70.88	76.08	67.76	63.26	72.27
10	67.58	64.84	70.38	68.51	65.93	71.13	62.85	58.36	67.35
15	62.64	59.90	65.43	63.56	60.98	66.18	57.94	53.47	62.41
20	57.83	55.15	60.56	58.74	56.20	61.30	53.21	48.84	57.56
25	53.09	50.52	55.69	53.95	51.50	56.41	48.68	44.55	52.77
30	48.34	45.87	50.83	49.14	46.76	51.53	44.14	40.21	48.01
35	43.59	41.19	46.01	44.36	42.03	46.68	39.66	35.90	43.36
40	38.91	36.56	41.27	39.64	37.37	41.90	35.35	31.80	38.82
45	34.34	32.05	36.62	35.01	32.81	37.19	31.24	27.95	34.42
50	29.92	27.71	32.11	30.53	28.42	32.58	27.31	24.32	30.18
55	25.69	23.58	27.75	26.22	24.23	28.13	23.61	20.91	26.14
60	21.70	19.72	23.62	22.14	20.30	23.87	20.15	17.75	22.34
65	18.01	16.17	19.74	18.34	16.67	19.86	16.94	14.84	18.82
70	14.64	12.99	16.16	14.89	13.41	16.19	14.01	12.21	15.61
75	11.66	10.21	12.95	11.82	10.55	12.89	11.40	9.86	12.74
80	9.07	7.86	10.15	9.15	8.12	10.01	9.10	7.81	10.24
85	6.91	5.93	7.78	6.92	6.12	7.59	7.14	6.07	8.10
90	5.17	4.41	5.85	5.13	4.54	5.63	5.52	4.63	6.32
95	3.82	3.25	4.32	3.76	3.33	4.10	4.21	3.49	4.87
100	2.81	2.39	3.17	2.73	2.45	2.96	3.19	2.60	3.73
105	2.08	1.78	2.32	2.00	1.81	2.14	2.42	1.95	2.85
Minnesota									
0	79.26	76.74	81.80	79.75	77.03	82.61	74.06	71.59	76.60
5	74.77	72.32	77.27	75.21	72.54	78.03	69.78	67.52	72.15
10	69.83	67.38	72.32	70.27	67.60	73.08	64.87	62.63	67.23
15	64.89	62.45	67.36	65.32	62.66	68.12	59.96	57.73	62.30
20	60.06	57.67	62.47	60.48	57.87	63.23	55.20	53.07	57.42
25	55.26	52.95	57.60	55.67	53.12	58.35	50.54	48.56	52.59
30	50.44	48.19	52.71	50.83	48.34	53.45	45.87	44.01	47.81
35	45.62	43.42	47.83	46.01	43.56	48.57	41.22	39.41	43.07
40	40.86	38.71	43.01	41.23	38.83	43.74	36.64	34.89	38.41
45	36.17	34.09	38.24	36.54	34.20	38.98	32.19	30.51	33.86
50	31.61	29.62	33.57	31.97	29.70	34.31	27.91	26.32	29.44
55	27.20	25.33	29.01	27.55	25.38	29.79	23.84	22.37	25.21
60	22.99	21.27	24.62	23.35	21.29	25.44	20.03	18.69	21.22
65	19.03	17.49	20.46	19.40	17.49	21.31	16.51	15.34	17.52
70	15.40	14.04	16.61	15.77	14.02	17.48	13.33	12.36	14.16
75	12.14	11.00	13.13	12.52	10.96	14.01	10.55	9.76	11.20
80	9.31	8.40	10.08	9.68	8.35	10.95	8.17	7.57	8.66
85	6.95	6.27	7.52	7.29	6.21	8.34	6.21	5.77	6.55
90	5.07	4.59	5.46	5.38	4.53	6.21	4.64	4.35	4.87
95	3.63	3.32	3.89	3.90	3.26	4.53	3.44	3.25	3.58
100	2.58	2.39	2.74	2.81	2.34	3.26	2.54	2.43	2.62
105	1.85	1.75	1.94	2.04	1.71	2.34	1.89	1.84	1.93

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Mississippi									
0	73.88	70.30	77.62	75.60	72.25	79.13	70.38	66.72	73.68
5	69.80	66.30	73.49	71.25	67.97	74.72	66.58	63.03	69.82
10	64.88	61.39	68.56	66.33	63.06	69.79	61.67	58.12	64.89
15	59.98	56.51	63.64	61.42	58.17	64.87	56.76	53.24	59.97
20	55.26	51.87	58.82	56.71	53.54	60.05	52.03	48.58	55.14
25	50.64	47.38	54.05	52.03	48.97	55.24	47.47	44.18	50.41
30	46.03	42.90	49.29	47.35	44.38	50.44	42.93	39.81	45.72
35	41.41	38.38	44.56	42.67	39.78	45.66	38.44	35.48	41.06
40	36.86	33.91	39.92	38.04	35.24	40.94	34.08	31.34	36.50
45	32.42	29.55	35.39	33.52	30.80	36.31	29.91	27.43	32.07
50	28.15	25.38	31.01	29.16	26.55	31.81	25.95	23.75	27.81
55	24.11	21.44	26.82	25.00	22.52	27.48	22.23	20.33	23.77
60	20.33	17.80	22.86	21.09	18.77	23.36	18.79	17.19	20.00
65	16.86	14.50	19.17	17.48	15.35	19.50	15.63	14.35	16.53
70	13.73	11.57	15.78	14.20	12.29	15.93	12.79	11.83	13.42
75	10.98	9.05	12.74	11.30	9.65	12.73	10.28	9.63	10.68
80	8.58	6.95	10.10	8.78	7.42	9.95	8.13	7.75	8.35
85	6.59	5.24	7.85	6.68	5.61	7.60	6.33	6.18	6.41
90	5.00	3.91	6.01	4.99	4.18	5.69	4.87	4.89	4.86
95	3.75	2.90	4.53	3.69	3.09	4.19	3.71	3.85	3.64
100	2.81	2.16	3.40	2.72	2.29	3.06	2.83	3.02	2.73
105	2.11	1.63	2.54	2.01	1.72	2.24	2.16	2.38	2.05
Missouri									
0	76.52	73.59	79.46	77.08	74.29	79.93	70.94	67.22	74.50
5	72.17	69.30	75.08	72.57	69.77	75.44	67.10	63.25	70.75
10	67.24	64.37	70.15	67.63	64.84	70.50	62.19	58.35	65.83
15	62.31	59.45	65.21	62.70	59.91	65.56	57.29	53.47	60.91
20	57.58	54.81	60.38	57.95	55.23	60.73	52.67	49.01	56.09
25	52.88	50.24	55.53	53.20	50.58	55.87	48.21	44.86	51.30
30	48.14	45.60	50.68	48.43	45.88	51.01	43.64	40.51	46.51
35	43.40	40.92	45.88	43.68	41.19	46.18	39.10	36.14	41.82
40	38.74	36.32	41.14	39.00	36.58	41.43	34.64	31.79	37.23
45	34.19	31.85	36.51	34.43	32.10	36.77	30.33	27.61	32.78
50	29.80	27.55	32.00	30.02	27.78	32.23	26.21	23.65	28.51
55	25.60	23.48	27.66	25.79	23.68	27.86	22.34	19.95	24.46
60	21.65	19.67	23.53	21.80	19.84	23.68	18.75	16.56	20.65
65	17.98	16.17	19.66	18.09	16.30	19.76	15.48	13.51	17.15
70	14.64	13.03	16.08	14.69	13.10	16.14	12.56	10.82	13.99
75	11.67	10.27	12.88	11.67	10.29	12.88	10.01	8.53	11.21
80	9.08	7.93	10.08	9.05	7.92	10.04	7.83	6.61	8.81
85	6.93	6.01	7.71	6.86	5.97	7.64	6.03	5.06	6.81
90	5.19	4.49	5.79	5.11	4.43	5.70	4.59	3.84	5.19
95	3.84	3.33	4.27	3.75	3.26	4.18	3.46	2.90	3.91
100	2.82	2.46	3.13	2.74	2.39	3.04	2.61	2.20	2.94
105	2.09	1.84	2.29	2.02	1.78	2.21	1.99	1.69	2.21
Montana									
0	77.74	75.18	80.56	77.94	75.07	81.24	*	*	*
5	73.29	70.65	76.18	73.37	70.63	76.57	*	*	*
10	68.38	65.74	71.25	68.46	65.73	71.64	*	*	*
15	63.47	60.87	66.31	63.55	60.86	66.70	*	*	*
20	58.72	56.16	61.51	58.77	56.10	61.88	*	*	*
25	54.01	51.57	56.65	54.02	51.46	57.01	*	*	*
30	49.30	46.99	51.80	49.26	46.79	52.14	*	*	*
35	44.60	42.38	46.98	44.52	42.14	47.29	*	*	*
40	39.92	37.79	42.21	39.82	37.54	42.49	*	*	*
45	35.31	33.26	37.52	35.20	33.00	37.77	*	*	*
50	30.84	28.87	32.94	30.68	28.56	33.16	*	*	*
55	26.54	24.67	28.52	26.31	24.27	28.69	*	*	*

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Montana—Con.									
60	22.46	20.71	24.28	22.14	20.18	24.41	*	*	*
65	18.65	17.05	20.29	18.22	16.36	20.37	*	*	*
70	15.14	13.72	16.57	14.61	12.87	16.60	*	*	*
75	12.01	10.79	13.21	11.40	9.81	13.21	*	*	*
80	9.30	8.29	10.27	8.63	7.25	10.24	*	*	*
85	7.03	6.24	7.79	6.36	5.20	7.74	*	*	*
90	5.21	4.61	5.78	4.58	3.65	5.71	*	*	*
95	3.80	3.37	4.21	3.26	2.53	4.13	*	*	*
100	2.76	2.46	3.03	2.31	1.77	2.96	*	*	*
105	2.01	1.81	2.19	1.67	1.28	2.12	*	*	*
Nebraska									
0	78.37	76.00	80.78	78.63	76.17	81.14	71.88	69.15	74.67
5	73.97	71.55	76.40	74.14	71.67	76.65	67.91	65.14	70.72
10	69.03	66.61	71.47	69.21	66.74	71.72	63.02	60.26	65.82
15	64.10	61.69	66.53	64.27	61.80	66.78	58.11	55.38	60.88
20	59.33	57.00	61.67	59.49	57.09	61.92	53.37	50.72	56.05
25	54.57	52.35	56.78	54.70	52.39	57.02	48.74	46.21	51.28
30	49.76	47.59	51.92	49.88	47.61	52.15	44.17	41.77	46.56
35	44.96	42.82	47.09	45.09	42.86	47.32	39.58	37.28	41.87
40	40.22	38.11	42.30	40.34	38.16	42.52	35.06	32.82	37.27
45	35.56	33.51	37.58	35.68	33.57	37.77	30.68	28.51	32.80
50	31.03	29.07	32.94	31.14	29.14	33.11	26.49	24.40	28.51
55	26.66	24.82	28.42	26.76	24.89	28.57	22.53	20.55	24.42
60	22.50	20.82	24.07	22.59	20.89	24.19	18.85	17.00	20.59
65	18.61	17.13	19.96	18.68	17.18	20.05	15.50	13.80	17.06
70	15.04	13.77	16.15	15.07	13.79	16.21	12.53	10.98	13.87
75	11.84	10.81	12.71	11.85	10.80	12.74	9.90	8.57	11.07
80	9.07	8.29	9.72	9.05	8.26	9.72	7.68	6.56	8.66
85	6.76	6.22	7.21	6.73	6.17	7.19	5.86	4.95	6.66
90	4.93	4.58	5.21	4.89	4.53	5.18	4.41	3.70	5.05
95	3.53	3.34	3.69	3.49	3.28	3.65	3.30	2.75	3.78
100	2.52	2.42	2.59	2.47	2.38	2.55	2.47	2.06	2.83
105	1.81	1.78	1.83	1.77	1.74	1.80	1.87	1.57	2.12
Nevada									
0	76.05	73.34	79.24	76.03	73.49	78.97	72.57	70.56	74.75
5	71.64	68.96	74.80	71.57	69.06	74.48	68.58	66.36	70.93
10	66.70	64.03	69.86	66.63	64.13	69.53	63.65	61.43	66.00
15	61.76	59.10	64.89	61.68	59.20	64.56	58.74	56.56	61.04
20	56.97	54.38	60.03	56.89	54.46	59.70	54.06	52.06	56.18
25	52.25	49.76	55.18	52.15	49.83	54.85	49.49	47.68	51.39
30	47.50	45.09	50.33	47.38	45.12	49.98	44.89	43.26	46.59
35	42.76	40.42	45.52	42.64	40.45	45.17	40.32	38.80	41.89
40	38.11	35.82	40.80	37.99	35.86	40.44	35.85	34.36	37.36
45	33.58	31.36	36.18	33.45	31.41	35.79	31.53	30.06	33.02
50	29.20	27.08	31.69	29.07	27.13	31.28	27.37	25.95	28.80
55	25.03	23.03	27.37	24.89	23.08	26.94	23.42	22.07	24.77
60	21.10	19.24	23.28	20.95	19.30	22.81	19.71	18.48	20.93
65	17.49	15.78	19.45	17.32	15.84	18.94	16.30	15.21	17.35
70	14.22	12.68	15.94	14.01	12.75	15.34	13.21	12.29	14.05
75	11.33	9.98	12.80	11.08	10.05	12.11	10.48	9.76	11.10
80	8.83	7.70	10.07	8.55	7.77	9.32	8.12	7.62	8.55
85	6.75	5.84	7.75	6.45	5.90	6.99	6.16	5.86	6.41
90	5.07	4.36	5.86	4.78	4.41	5.13	4.58	4.45	4.69
95	3.77	3.23	4.36	3.49	3.28	3.70	3.37	3.36	3.38
100	2.79	2.40	3.22	2.55	2.43	2.65	2.47	2.53	2.42
105	2.08	1.79	2.38	1.87	1.82	1.91	1.82	1.93	1.75

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
New Hampshire									
0	78.79	76.24	81.40	78.88	76.46	81.30	*	*	*
5	74.15	71.62	76.74	74.36	71.96	76.76	*	*	*
10	69.18	66.66	71.77	69.39	67.00	71.79	*	*	*
15	64.24	61.72	66.81	64.44	62.07	66.82	*	*	*
20	59.41	56.94	61.93	59.61	57.29	61.93	*	*	*
25	54.61	52.23	57.03	54.82	52.59	57.04	*	*	*
30	49.77	47.47	52.11	49.98	47.83	52.12	*	*	*
35	44.94	42.69	47.22	45.16	43.07	47.23	*	*	*
40	40.15	37.96	42.37	40.38	38.36	42.39	*	*	*
45	35.46	33.33	37.60	35.70	33.75	37.63	*	*	*
50	30.89	28.85	32.94	31.15	29.28	32.97	*	*	*
55	26.49	24.55	28.41	26.76	25.01	28.45	*	*	*
60	22.32	20.51	24.07	22.60	20.98	24.11	*	*	*
65	18.42	16.77	19.99	18.70	17.25	20.02	*	*	*
70	14.87	13.40	16.22	15.15	13.88	16.25	*	*	*
75	11.71	10.44	12.83	11.98	10.91	12.86	*	*	*
80	8.97	7.94	9.88	9.22	8.38	9.91	*	*	*
85	6.70	5.90	7.40	6.92	6.30	7.43	*	*	*
90	4.90	4.30	5.41	5.08	4.64	5.44	*	*	*
95	3.52	3.11	3.88	3.68	3.39	3.91	*	*	*
100	2.52	2.24	2.76	2.64	2.46	2.78	*	*	*
105	1.82	1.64	1.97	1.91	1.81	1.99	*	*	*
New Jersey									
0	77.58	74.77	80.32	78.59	75.82	81.32	72.30	68.85	75.54
5	73.15	70.37	75.86	74.05	71.30	76.76	68.41	65.05	71.59
10	68.19	65.42	70.90	69.08	66.33	71.79	63.47	60.13	66.64
15	63.23	60.47	65.94	64.12	61.37	66.83	58.54	55.20	61.70
20	58.37	55.64	61.04	59.25	56.54	61.92	53.74	50.44	56.84
25	53.60	50.96	56.17	54.47	51.83	57.05	49.07	45.93	52.01
30	48.84	46.30	51.30	49.66	47.09	52.16	44.47	41.48	47.25
35	44.10	41.63	46.48	44.88	42.38	47.31	39.94	37.05	42.61
40	39.41	36.99	41.73	40.15	37.70	42.51	35.52	32.72	38.09
45	34.80	32.42	37.07	35.50	33.12	37.78	31.24	28.52	33.72
50	30.32	28.01	32.50	30.98	28.69	33.16	27.14	24.52	29.52
55	26.00	23.79	28.07	26.63	24.45	28.67	23.28	20.77	25.54
60	21.91	19.83	23.82	22.50	20.46	24.38	19.68	17.32	21.79
65	18.10	16.19	19.81	18.66	16.79	20.34	16.38	14.20	18.30
70	14.62	12.92	16.09	15.15	13.47	16.61	13.43	11.45	15.12
75	11.53	10.07	12.75	12.02	10.56	13.24	10.83	9.07	12.30
80	8.84	7.66	9.83	9.29	8.09	10.30	8.58	7.07	9.84
85	6.62	5.71	7.38	7.02	6.07	7.81	6.69	5.43	7.75
90	4.85	4.18	5.40	5.19	4.48	5.79	5.16	4.14	6.02
95	3.50	3.04	3.88	3.79	3.26	4.22	3.95	3.13	4.63
100	2.52	2.21	2.76	2.74	2.38	3.04	3.01	2.38	3.53
105	1.82	1.63	1.97	2.00	1.75	2.19	2.31	1.82	2.70
New Mexico									
0	77.26	74.52	80.06	77.89	75.19	80.69	72.97	71.63	74.37
5	72.82	70.17	75.54	73.33	70.59	76.16	69.13	68.11	70.23
10	67.87	65.23	70.58	68.38	65.64	71.20	64.26	63.26	65.36
15	62.96	60.32	65.66	63.46	60.73	66.28	59.34	58.31	60.45
20	58.24	55.73	60.80	58.72	56.10	61.40	54.55	53.49	55.71
25	53.60	51.25	55.99	54.05	51.58	56.57	49.96	48.86	51.17
30	49.00	46.80	51.21	49.37	46.99	51.77	45.38	44.24	46.63
35	44.38	42.31	46.46	44.72	42.45	47.02	40.84	39.68	42.11
40	39.78	37.81	41.74	40.12	37.93	42.31	36.29	35.13	37.58
45	35.23	33.36	37.09	35.58	33.51	37.66	31.86	30.70	33.14
50	30.80	29.05	32.52	31.17	29.25	33.08	27.59	26.42	28.88
55	26.52	24.93	28.07	26.92	25.19	28.61	23.53	22.34	24.82

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
New Mexico—Con.									
60	22.42	21.04	23.74	22.86	21.37	24.29	19.72	18.53	21.01
65	18.56	17.46	19.60	19.05	17.85	20.18	16.23	15.04	17.50
70	15.00	14.21	15.70	15.55	14.65	16.34	13.10	11.93	14.32
75	11.78	11.34	12.15	12.39	11.82	12.86	10.32	9.24	11.51
80	8.95	8.88	9.03	9.61	9.37	9.81	7.98	7.00	9.09
85	6.58	6.82	6.43	7.27	7.30	7.25	6.06	5.19	7.05
90	4.69	5.16	4.40	5.36	5.61	5.21	4.53	3.80	5.40
95	3.27	3.86	2.93	3.89	4.26	3.65	3.36	2.76	4.08
100	2.27	2.87	1.94	2.80	3.22	2.54	2.50	2.01	3.08
105	1.61	2.15	1.32	2.02	2.44	1.78	1.88	1.50	2.32
New York									
0	78.20	75.13	81.16	78.66	75.78	81.49	74.24	70.13	77.84
5	73.68	70.73	76.57	74.15	71.31	76.95	70.09	66.05	73.65
10	68.72	65.78	71.61	69.19	66.36	71.99	65.15	61.11	68.70
15	63.78	60.84	66.65	64.24	61.41	67.03	60.22	56.19	63.76
20	58.93	56.04	61.75	59.39	56.60	62.12	55.41	51.44	58.87
25	54.14	51.35	56.86	54.59	51.88	57.23	50.71	46.89	54.01
30	49.36	46.65	51.99	49.78	47.15	52.35	46.01	42.30	49.21
35	44.60	41.95	47.16	45.00	42.43	47.50	41.40	37.79	44.50
40	39.90	37.30	42.39	40.28	37.77	42.71	36.89	33.40	39.87
45	35.30	32.76	37.72	35.66	33.22	38.00	32.54	29.19	35.35
50	30.83	28.38	33.16	31.18	28.83	33.40	28.35	25.17	30.99
55	26.56	24.21	28.76	26.87	24.64	28.96	24.38	21.40	26.82
60	22.51	20.29	24.56	22.79	20.70	24.70	20.66	17.90	22.87
65	18.74	16.69	20.60	18.98	17.07	20.70	17.24	14.72	19.21
70	15.30	13.44	16.96	15.50	13.79	16.99	14.16	11.90	15.85
75	12.24	10.59	13.67	12.39	10.90	13.64	11.42	9.45	12.85
80	9.56	8.17	10.78	9.66	8.44	10.69	9.03	7.38	10.23
85	7.32	6.18	8.31	7.37	6.40	8.19	7.02	5.68	8.00
90	5.50	4.59	6.28	5.52	4.78	6.14	5.38	4.32	6.16
95	4.07	3.38	4.67	4.07	3.52	4.52	4.09	3.27	4.68
100	3.00	2.49	3.43	2.98	2.59	3.29	3.09	2.47	3.53
105	2.21	1.85	2.52	2.18	1.92	2.39	2.34	1.89	2.66
North Carolina									
0	76.27	73.05	79.56	77.27	74.27	80.34	71.45	66.33	76.68
5	72.02	68.86	75.28	72.80	69.89	75.80	67.68	62.60	72.92
10	67.08	63.92	70.34	67.86	64.95	70.85	62.75	57.67	67.98
15	62.16	59.01	65.39	62.93	60.04	65.91	57.81	52.75	63.03
20	57.38	54.29	60.54	58.14	55.30	61.06	53.05	48.07	58.16
25	52.67	49.69	55.70	53.40	50.65	56.20	48.41	43.57	53.36
30	47.92	45.02	50.85	48.62	45.95	51.31	43.78	39.04	48.61
35	43.19	40.36	46.04	43.85	41.24	46.48	39.23	34.62	43.92
40	38.55	35.78	41.32	39.16	36.62	41.70	34.88	30.47	39.34
45	34.02	31.33	36.70	34.58	32.12	37.02	30.74	26.60	34.88
50	29.65	27.07	32.20	30.14	27.78	32.45	26.80	22.96	30.59
55	25.49	23.03	27.88	25.88	23.66	28.04	23.10	19.57	26.48
60	21.57	19.26	23.78	21.86	19.79	23.83	19.65	16.45	22.62
65	17.95	15.82	19.94	18.11	16.23	19.86	16.47	13.60	19.03
70	14.66	12.74	16.41	14.69	13.00	16.19	13.58	11.04	15.75
75	11.75	10.05	13.23	11.64	10.18	12.88	10.99	8.79	12.82
80	9.20	7.78	10.46	8.99	7.80	10.01	8.71	6.86	10.26
85	7.07	5.91	8.10	6.79	5.85	7.58	6.77	5.25	8.08
90	5.35	4.43	6.15	5.03	4.32	5.62	5.19	3.95	6.27
95	3.99	3.29	4.60	3.67	3.16	4.10	3.93	2.93	4.80
100	2.97	2.45	3.41	2.67	2.32	2.96	2.97	2.17	3.65
105	2.21	1.84	2.53	1.95	1.72	2.14	2.25	1.63	2.78

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
North Dakota									
0	79.06	75.96	82.61	79.53	76.65	82.67	*	*	*
5	74.66	71.60	78.18	75.12	72.35	78.17	*	*	*
10	69.70	66.65	73.20	70.14	67.38	73.18	*	*	*
15	64.77	61.73	68.25	65.21	62.46	68.23	*	*	*
20	59.96	56.97	63.38	60.38	57.68	63.36	*	*	*
25	55.19	52.28	58.51	55.57	52.94	58.46	*	*	*
30	50.39	47.56	53.62	50.76	48.20	53.55	*	*	*
35	45.60	42.82	48.76	45.95	43.44	48.67	*	*	*
40	40.85	38.12	43.96	41.18	38.73	43.84	*	*	*
45	36.18	33.50	39.24	36.50	34.11	39.09	*	*	*
50	31.65	29.02	34.62	31.93	29.61	34.44	*	*	*
55	27.28	24.73	30.14	27.54	25.30	29.93	*	*	*
60	23.13	20.69	25.85	23.35	21.22	25.59	*	*	*
65	19.24	16.95	21.78	19.42	17.44	21.50	*	*	*
70	15.67	13.57	17.98	15.82	14.01	17.69	*	*	*
75	12.49	10.61	14.53	12.60	10.99	14.24	*	*	*
80	9.70	8.09	11.46	9.79	8.42	11.19	*	*	*
85	7.36	6.03	8.84	7.42	6.30	8.58	*	*	*
90	5.48	4.42	6.66	5.51	4.62	6.43	*	*	*
95	4.01	3.20	4.92	4.03	3.35	4.72	*	*	*
100	2.92	2.31	3.59	2.92	2.43	3.43	*	*	*
105	2.14	1.69	2.61	2.13	1.77	2.48	*	*	*
Ohio									
0	76.49	73.94	78.95	77.31	74.58	80.01	71.86	68.60	74.91
5	72.17	69.68	74.59	72.88	70.19	75.55	68.08	64.84	71.12
10	67.23	64.74	69.64	67.93	65.25	70.60	63.14	59.91	66.17
15	62.29	59.80	64.69	62.99	60.32	65.65	58.21	54.99	61.23
20	57.46	55.04	59.80	58.16	55.54	60.76	53.44	50.31	56.35
25	52.69	50.37	54.92	53.38	50.85	55.87	48.75	45.77	51.51
30	47.91	45.65	50.06	48.57	46.09	51.00	44.10	41.26	46.72
35	43.15	40.93	45.25	43.79	41.36	46.17	39.52	36.81	42.00
40	38.45	36.29	40.50	39.07	36.71	41.39	35.07	32.52	37.39
45	33.86	31.77	35.82	34.46	32.18	36.69	30.80	28.45	32.92
50	32.96	30.89	34.90	33.56	31.29	35.76	29.97	27.66	32.05
55	25.15	23.30	26.83	25.72	23.66	27.68	22.86	20.94	24.54
60	21.12	19.44	22.61	21.68	19.76	23.45	19.25	17.54	20.70
65	17.37	15.90	18.63	17.92	16.18	19.49	15.92	14.43	17.17
70	13.97	12.73	14.98	14.49	12.94	15.85	12.92	11.62	13.98
75	10.96	9.97	11.72	11.46	10.11	12.59	10.27	9.15	11.17
80	8.36	7.64	8.91	8.83	7.72	9.76	7.99	7.03	8.76
85	6.22	5.74	6.58	6.65	5.78	7.39	6.09	5.28	6.75
90	4.54	4.25	4.74	4.92	4.25	5.47	4.56	3.89	5.12
95	3.26	3.12	3.36	3.59	3.10	3.98	3.38	2.84	3.84
100	2.34	2.29	2.36	2.60	2.27	2.88	2.50	2.06	2.87
105	1.69	1.71	1.69	1.91	1.68	2.08	1.87	1.52	2.16
Oklahoma									
0	75.61	72.75	78.59	75.82	73.00	78.75	71.74	68.97	74.34
5	71.32	68.52	74.27	71.50	68.74	74.38	67.58	65.09	70.01
10	66.39	63.58	69.34	66.57	63.81	69.45	62.67	60.16	65.11
15	61.48	58.70	64.40	61.66	58.92	64.51	57.76	55.27	60.19
20	56.72	53.98	59.57	56.90	54.22	59.68	53.06	50.66	55.36
25	52.01	49.38	54.73	52.18	49.60	54.85	48.42	46.18	50.54
30	47.29	44.76	49.90	47.44	44.96	50.00	43.73	41.58	45.74
35	42.58	40.12	45.12	42.75	40.34	45.22	39.09	37.02	41.00
40	37.96	35.56	40.42	38.14	35.80	40.52	34.58	32.60	36.41
45	33.45	31.13	35.82	33.63	31.38	35.92	30.24	28.35	31.97
50	29.11	26.87	31.37	29.29	27.13	31.46	26.10	24.32	27.69
55	24.96	22.84	27.09	25.14	23.11	27.17	22.20	20.54	23.64

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Oklahoma—Con.									
60	21.07	19.08	23.04	21.24	19.35	23.10	18.57	17.06	19.85
65	17.48	15.65	19.25	17.64	15.92	19.29	15.27	13.93	16.37
70	14.22	12.58	15.77	14.35	12.82	15.77	12.32	11.16	13.25
75	11.34	9.91	12.65	11.44	10.12	12.62	9.76	8.79	10.51
80	8.84	7.66	9.93	8.91	7.83	9.89	7.58	6.80	8.18
85	6.76	5.81	7.64	6.81	5.95	7.58	5.79	5.19	6.25
90	5.09	4.35	5.77	5.11	4.46	5.70	4.37	3.92	4.71
95	3.79	3.23	4.30	3.79	3.31	4.22	3.28	2.95	3.52
100	2.81	2.40	3.17	2.80	2.46	3.10	2.46	2.23	2.62
105	2.09	1.80	2.34	2.08	1.84	2.28	1.86	1.70	1.97
Oregon									
0	78.09	75.82	80.37	77.96	75.72	80.20	74.03	70.67	78.24
5	73.60	71.38	75.84	73.47	71.29	75.67	69.69	66.56	73.72
10	68.66	66.43	70.91	68.53	66.35	70.74	64.77	61.66	68.77
15	63.72	61.51	65.95	63.59	61.42	65.79	59.85	56.76	63.84
20	58.90	56.74	61.06	58.77	56.66	60.90	55.09	52.08	58.97
25	54.10	52.05	56.16	53.98	51.96	56.00	50.42	47.53	54.14
30	49.31	47.34	51.27	49.18	47.23	51.11	45.77	42.95	49.38
35	44.53	42.61	46.43	44.40	42.51	46.27	41.16	38.38	44.72
40	39.80	37.94	41.63	39.69	37.86	41.49	36.64	33.92	40.10
45	35.17	33.38	36.91	35.07	33.32	36.78	32.26	29.60	35.61
50	30.66	28.98	32.29	30.58	28.93	32.18	28.07	25.49	31.26
55	26.33	24.77	27.82	26.27	24.74	27.73	24.09	21.62	27.10
60	22.22	20.81	23.54	22.17	20.79	23.46	20.38	18.04	23.16
65	18.40	17.16	19.51	18.35	17.14	19.43	16.97	14.79	19.49
70	14.89	13.84	15.80	14.84	13.82	15.73	13.89	11.91	16.13
75	11.77	10.91	12.48	11.73	10.89	12.42	11.19	9.41	13.12
80	9.06	8.41	9.59	9.02	8.39	9.54	8.82	7.31	10.48
85	6.81	6.35	7.18	6.78	6.33	7.14	6.84	5.59	8.23
90	5.01	4.71	5.25	4.99	4.70	5.22	5.24	4.22	6.36
95	3.63	3.46	3.77	3.61	3.44	3.75	3.97	3.18	4.85
100	2.62	2.53	2.68	2.60	2.52	2.67	3.00	2.39	3.67
105	1.90	1.87	1.92	1.89	1.86	1.91	2.28	1.82	2.77
Pennsylvania									
0	77.02	74.09	79.90	77.87	75.03	80.65	71.32	67.26	75.34
5	72.65	69.77	75.50	73.39	70.61	76.14	67.56	63.52	71.58
10	67.71	64.83	70.56	68.45	65.67	71.20	62.61	58.58	66.62
15	62.76	59.89	65.60	63.50	60.73	66.24	57.70	53.68	61.70
20	57.95	55.15	60.72	58.68	55.96	61.35	52.97	49.07	56.81
25	53.23	50.56	55.85	53.94	51.34	56.48	48.46	44.84	51.98
30	48.49	45.93	50.99	49.16	46.63	51.61	43.89	40.47	47.21
35	43.73	41.24	46.16	44.38	41.91	46.77	39.38	36.11	42.54
40	39.04	36.60	41.41	39.67	37.26	42.00	34.94	31.77	37.99
45	34.45	32.07	36.74	35.06	32.72	37.30	30.65	27.58	33.58
50	29.99	27.70	32.17	30.59	28.35	32.70	26.55	23.60	29.35
55	25.72	23.55	27.76	26.28	24.18	28.24	22.70	19.89	25.35
60	21.68	19.66	23.54	22.21	20.26	23.97	19.13	16.48	21.59
65	17.93	16.09	19.56	18.41	16.66	19.93	15.88	13.42	18.12
70	14.51	12.89	15.90	14.93	13.42	16.21	12.98	10.74	15.01
75	11.47	10.10	12.61	11.84	10.57	12.86	10.44	8.44	12.25
80	8.84	7.74	9.74	9.14	8.16	9.93	8.26	6.52	9.85
85	6.65	5.82	7.33	6.90	6.17	7.47	6.44	4.98	7.80
90	4.91	4.30	5.39	5.09	4.59	5.48	4.97	3.76	6.10
95	3.57	3.16	3.90	3.71	3.38	3.95	3.81	2.84	4.72
100	2.58	2.31	2.79	2.68	2.48	2.82	2.92	2.15	3.63
105	1.88	1.72	2.01	1.95	1.84	2.02	2.25	1.65	2.79

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Rhode Island									
0	78.65	75.83	81.42	78.85	76.06	81.60	74.84	72.18	77.39
5	74.21	71.39	76.99	74.16	71.31	76.95	70.51	67.93	72.99
10	69.27	66.45	72.04	69.21	66.37	71.99	65.59	63.03	68.05
15	64.31	61.50	67.08	64.25	61.42	67.03	60.68	58.12	63.13
20	59.45	56.69	62.16	59.38	56.59	62.11	55.86	53.35	58.27
25	54.64	51.95	57.27	54.56	51.83	57.23	51.13	48.69	53.46
30	49.83	47.20	52.40	49.74	47.07	52.35	46.44	44.06	48.70
35	45.03	42.45	47.54	44.95	42.33	47.49	41.82	39.49	44.03
40	40.31	37.78	42.77	40.23	37.68	42.70	37.31	35.04	39.46
45	35.69	33.22	38.08	35.62	33.15	37.99	32.94	30.74	35.00
50	31.21	28.82	33.50	31.14	28.77	33.39	28.75	26.63	30.69
55	26.91	24.63	29.07	26.84	24.60	28.95	24.77	22.76	26.57
60	22.83	20.68	24.83	22.76	20.66	24.70	21.03	19.16	22.66
65	19.02	17.03	20.84	18.95	17.01	20.70	17.55	15.87	19.01
70	15.53	13.71	17.15	15.44	13.68	16.97	14.39	12.93	15.67
75	12.41	10.79	13.82	12.28	10.74	13.60	11.58	10.36	12.67
80	9.68	8.31	10.88	9.53	8.25	10.63	9.16	8.16	10.04
85	7.38	6.26	8.38	7.23	6.19	8.11	7.12	6.33	7.80
90	5.53	4.64	6.31	5.37	4.57	6.05	5.44	4.86	5.95
95	4.08	3.40	4.67	3.93	3.34	4.43	4.12	3.70	4.47
100	2.98	2.48	3.42	2.85	2.43	3.21	3.09	2.81	3.33
105	2.19	1.83	2.50	2.08	1.79	2.32	2.33	2.14	2.48
South Carolina									
0	75.04	71.68	78.49	76.70	73.76	79.77	71.45	67.34	75.41
5	70.83	67.52	74.26	72.20	69.22	75.31	67.67	63.65	71.59
10	65.90	62.59	69.33	67.27	64.27	70.38	62.75	58.74	66.65
15	60.98	57.68	64.39	62.34	59.36	65.44	57.83	53.84	61.71
20	56.22	53.01	59.54	57.60	54.70	60.60	53.05	49.13	56.85
25	51.55	48.46	54.71	52.88	50.08	55.76	48.46	44.73	52.04
30	46.87	43.88	49.91	48.14	45.43	50.91	43.89	40.30	47.33
35	42.19	39.28	45.15	43.41	40.77	46.09	39.34	35.89	42.65
40	37.60	34.75	40.48	38.75	36.18	41.35	34.89	31.54	38.09
45	33.12	30.36	35.90	34.18	31.70	36.67	30.59	27.36	33.66
50	28.80	26.15	31.44	29.76	27.41	32.11	26.49	23.41	29.39
55	24.68	22.18	27.15	25.53	23.33	27.69	22.63	19.73	25.32
60	20.82	18.50	23.06	21.54	19.52	23.47	19.06	16.35	21.50
65	17.25	15.14	19.23	17.83	16.02	19.51	15.80	13.32	17.97
70	14.02	12.16	15.70	14.47	12.89	15.85	12.89	10.66	14.76
75	11.16	9.57	12.54	11.47	10.16	12.56	10.32	8.39	11.91
80	8.68	7.39	9.78	8.87	7.85	9.71	8.11	6.49	9.45
85	6.61	5.61	7.46	6.71	5.95	7.32	6.28	4.96	7.37
90	4.95	4.20	5.57	4.97	4.45	5.40	4.80	3.76	5.66
95	3.66	3.13	4.09	3.64	3.30	3.91	3.65	2.84	4.30
100	2.69	2.34	2.98	2.65	2.44	2.81	2.76	2.16	3.25
105	1.99	1.76	2.17	1.94	1.83	2.03	2.11	1.66	2.46
South Dakota									
0	78.34	75.19	81.79	79.33	76.35	82.61	*	*	*
5	74.03	70.92	77.45	74.85	71.86	78.11	*	*	*
10	69.11	65.98	72.54	69.93	66.94	73.19	*	*	*
15	64.23	61.10	67.66	65.05	62.09	68.28	*	*	*
20	59.48	56.46	62.78	60.26	57.39	63.39	*	*	*
25	54.77	51.88	57.91	55.48	52.70	58.50	*	*	*
30	50.03	47.21	53.10	50.69	47.96	53.65	*	*	*
35	45.29	42.51	48.30	45.90	43.22	48.81	*	*	*
40	40.60	37.89	43.54	41.17	38.52	44.02	*	*	*
45	36.01	33.38	38.85	36.50	33.92	39.28	*	*	*
50	31.55	29.03	34.24	31.95	29.47	34.62	*	*	*
55	27.25	24.88	29.76	27.56	25.20	30.06	*	*	*

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
South Dakota—Con.									
60	23.16	20.97	25.44	23.37	21.16	25.67	*	*	*
65	19.33	17.34	21.35	19.43	17.42	21.48	*	*	*
70	15.79	14.05	17.54	15.78	14.03	17.56	*	*	*
75	12.62	11.14	14.08	12.52	11.04	13.98	*	*	*
80	9.85	8.66	11.02	9.66	8.48	10.82	*	*	*
85	7.51	6.59	8.41	7.27	6.38	8.13	*	*	*
90	5.61	4.94	6.26	5.34	4.71	5.95	*	*	*
95	4.13	3.65	4.57	3.86	3.43	4.25	*	*	*
100	3.01	2.70	3.29	2.76	2.50	2.99	*	*	*
105	2.19	2.00	2.36	1.98	1.83	2.11	*	*	*
Tennessee									
0	75.29	71.98	78.66	76.22	73.31	79.28	70.68	66.86	74.16
5	70.95	67.75	74.25	71.70	68.64	74.84	66.85	63.24	70.23
10	66.01	62.82	69.30	66.75	63.70	69.89	61.94	58.34	65.31
15	61.10	57.92	64.38	61.83	58.79	64.96	57.05	53.45	60.42
20	56.35	53.26	59.54	57.08	54.11	60.12	52.32	48.81	55.57
25	51.68	48.71	54.72	52.37	49.51	55.29	47.77	44.45	50.81
30	46.99	44.12	49.91	47.64	44.86	50.46	43.20	40.04	46.07
35	42.30	39.49	45.14	42.92	40.21	45.66	38.67	35.65	41.42
40	37.67	34.94	40.43	38.28	35.63	40.94	34.25	31.35	36.87
45	33.17	30.51	35.84	33.75	31.18	36.31	29.98	27.20	32.47
50	28.82	26.27	31.37	29.38	26.92	31.81	25.91	23.27	28.24
55	24.69	22.26	27.09	25.21	22.88	27.49	22.09	19.62	24.23
60	20.82	18.54	23.02	21.29	19.11	23.37	18.56	16.27	20.48
65	17.24	15.14	19.21	17.66	15.67	19.50	15.34	13.27	17.03
70	14.01	12.12	15.72	14.37	12.59	15.93	12.46	10.63	13.92
75	11.16	9.50	12.60	11.44	9.91	12.73	9.96	8.38	11.17
80	8.68	7.31	9.88	8.90	7.65	9.94	7.81	6.50	8.82
85	6.62	5.52	7.59	6.78	5.80	7.60	6.03	4.98	6.84
90	4.97	4.11	5.72	5.07	4.34	5.69	4.61	3.78	5.24
95	3.69	3.05	4.25	3.75	3.22	4.19	3.49	2.87	3.97
100	2.73	2.26	3.13	2.76	2.39	3.06	2.65	2.18	3.00
105	2.04	1.70	2.31	2.04	1.79	2.24	2.02	1.68	2.27
Texas									
0	77.04	74.12	80.05	77.51	74.74	80.35	72.06	69.18	74.76
5	72.56	69.72	75.51	73.02	70.29	75.83	68.05	65.28	70.68
10	67.62	64.79	70.56	68.08	65.35	70.89	63.13	60.37	65.75
15	62.69	59.87	65.62	63.15	60.43	65.94	58.21	55.46	60.81
20	57.91	55.15	60.76	58.37	55.71	61.09	53.43	50.76	55.95
25	53.18	50.52	55.90	53.63	51.08	56.22	48.77	46.22	51.14
30	48.41	45.84	51.04	48.86	46.39	51.35	44.11	41.66	46.38
35	43.66	41.14	46.21	44.10	41.69	46.52	39.48	37.11	41.67
40	38.97	36.52	41.45	39.40	37.06	41.74	34.96	32.67	37.06
45	34.39	32.01	36.79	34.81	32.56	37.05	30.60	28.40	32.59
50	29.96	27.68	32.25	30.37	28.22	32.48	26.42	24.34	28.29
55	25.72	23.56	27.87	26.11	24.08	28.07	22.49	20.54	24.20
60	21.73	19.70	23.70	22.08	20.21	23.86	18.83	17.04	20.36
65	18.02	16.17	19.79	18.34	16.65	19.90	15.50	13.88	16.84
70	14.65	12.99	16.19	14.93	13.44	16.25	12.53	11.10	13.66
75	11.66	10.22	12.95	11.89	10.63	12.96	9.92	8.71	10.87
80	9.06	7.88	10.13	9.24	8.24	10.10	7.71	6.72	8.48
85	6.90	5.95	7.75	7.03	6.26	7.68	5.89	5.11	6.50
90	5.16	4.43	5.80	5.25	4.69	5.72	4.44	3.85	4.91
95	3.80	3.27	4.28	3.86	3.47	4.18	3.33	2.89	3.67
100	2.79	2.41	3.12	2.82	2.57	3.03	2.49	2.17	2.73
105	2.06	1.80	2.28	2.07	1.91	2.20	1.88	1.66	2.05

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Utah									
0	78.89	76.84	80.95	78.93	76.95	80.93	*	*	*
5	74.36	72.37	76.37	74.40	72.47	76.35	*	*	*
10	69.41	67.42	71.41	69.45	67.52	71.39	*	*	*
15	64.47	62.50	66.45	64.51	62.61	66.42	*	*	*
20	59.65	57.75	61.56	59.69	57.85	61.53	*	*	*
25	54.86	53.05	56.67	54.88	53.13	56.64	*	*	*
30	50.09	48.36	51.82	50.08	48.38	51.78	*	*	*
35	45.35	43.66	47.02	45.35	43.70	46.99	*	*	*
40	40.65	39.01	42.27	40.66	39.07	42.22	*	*	*
45	36.03	34.45	37.58	36.03	34.51	37.51	*	*	*
50	31.52	30.02	32.98	31.50	30.06	32.88	*	*	*
55	27.16	25.77	28.48	27.11	25.80	28.37	*	*	*
60	22.98	21.76	24.13	22.92	21.76	24.01	*	*	*
65	19.03	18.01	19.96	18.97	17.99	19.87	*	*	*
70	15.37	14.58	16.06	15.30	14.56	15.96	*	*	*
75	12.06	11.54	12.50	11.99	11.51	12.38	*	*	*
80	9.17	8.93	9.37	9.08	8.89	9.24	*	*	*
85	6.75	6.76	6.75	6.66	6.72	6.63	*	*	*
90	4.82	5.02	4.69	4.73	4.98	4.57	*	*	*
95	3.37	3.68	3.17	3.29	3.64	3.07	*	*	*
100	2.34	2.69	2.12	2.27	2.66	2.04	*	*	*
105	1.65	1.98	1.45	1.60	1.95	1.39	*	*	*
Vermont									
0	78.24	76.18	80.29	78.57	76.30	80.90	*	*	*
5	73.67	71.50	75.82	73.95	71.50	76.42	*	*	*
10	68.72	66.54	70.88	69.01	66.55	71.49	*	*	*
15	63.78	61.61	65.92	64.08	61.61	66.58	*	*	*
20	58.95	56.82	61.04	59.24	56.82	61.68	*	*	*
25	54.19	52.17	56.17	54.47	52.15	56.79	*	*	*
30	49.41	47.48	51.28	49.70	47.47	51.92	*	*	*
35	44.61	42.76	46.41	44.92	42.76	47.08	*	*	*
40	39.86	38.06	41.61	40.18	38.07	42.28	*	*	*
45	35.19	33.45	36.87	35.51	33.47	37.54	*	*	*
50	30.63	28.99	32.21	30.97	29.01	32.90	*	*	*
55	26.24	24.72	27.68	26.59	24.73	28.40	*	*	*
60	22.07	20.69	23.33	22.42	20.69	24.07	*	*	*
65	18.17	16.96	19.23	18.52	16.95	19.99	*	*	*
70	14.58	13.56	15.44	14.95	13.54	16.22	*	*	*
75	11.39	10.57	12.05	11.77	10.55	12.82	*	*	*
80	8.64	8.03	9.12	9.00	8.01	9.86	*	*	*
85	6.37	5.96	6.69	6.71	5.95	7.38	*	*	*
90	4.59	4.34	4.78	4.90	4.33	5.39	*	*	*
95	3.26	3.12	3.35	3.52	3.12	3.86	*	*	*
100	2.30	2.25	2.34	2.51	2.24	2.74	*	*	*
105	1.65	1.64	1.65	1.81	1.64	1.95	*	*	*
Virginia									
0	76.95	74.48	79.34	78.17	75.62	80.69	72.79	69.37	76.20
5	72.58	70.18	74.92	73.66	71.17	76.14	68.89	65.56	72.25
10	67.63	65.22	69.97	68.70	66.21	71.18	63.94	60.61	67.31
15	62.68	60.28	65.02	63.75	61.26	66.24	59.02	55.69	62.37
20	57.87	55.54	60.14	58.93	56.49	61.35	54.26	51.04	57.50
25	53.10	50.85	55.27	54.13	51.77	56.47	49.58	46.48	52.68
30	48.31	46.14	50.39	49.31	47.00	51.57	44.93	41.96	47.89
35	43.54	41.41	45.56	44.50	42.24	46.71	40.30	37.40	43.17
40	38.82	36.74	40.79	39.75	37.54	41.91	35.74	32.91	38.54
45	34.21	32.19	36.11	35.10	32.95	37.18	31.32	28.56	34.05
50	29.72	27.79	31.52	30.58	28.51	32.56	27.09	24.42	29.71
55	25.41	23.61	27.06	26.24	24.28	28.10	23.08	20.53	25.57

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Virginia—Con.									
60	21.33	19.69	22.79	22.13	20.30	23.83	19.36	16.94	21.68
65	17.53	16.09	18.76	18.30	16.62	19.81	15.95	13.71	18.07
70	14.07	12.86	15.05	14.80	13.31	16.08	12.91	10.86	14.80
75	11.00	10.05	11.72	11.69	10.42	12.73	10.24	8.44	11.89
80	8.35	7.67	8.86	8.98	7.96	9.82	7.96	6.43	9.38
85	6.17	5.74	6.49	6.74	5.96	7.38	6.09	4.82	7.27
90	4.46	4.22	4.62	4.95	4.38	5.41	4.59	3.57	5.54
95	3.17	3.08	3.24	3.59	3.19	3.90	3.44	2.64	4.17
100	2.25	2.25	2.25	2.58	2.32	2.79	2.58	1.97	3.13
105	1.62	1.67	1.59	1.87	1.71	2.00	1.95	1.49	2.35
Washington									
0	78.64	76.18	81.14	78.51	76.10	80.98	74.29	71.90	77.11
5	74.09	71.70	76.53	73.98	71.61	76.42	70.08	67.68	72.90
10	69.14	66.76	71.57	69.03	66.67	71.47	65.16	62.78	67.97
15	64.19	61.82	66.62	64.09	61.74	66.51	60.23	57.87	63.01
20	59.37	57.07	61.72	59.27	56.97	61.62	55.40	53.10	58.11
25	54.61	52.39	56.85	54.49	52.30	56.74	50.73	48.58	53.24
30	49.79	47.65	51.96	49.67	47.53	51.85	45.98	43.88	48.42
35	44.99	42.89	47.10	44.88	42.79	47.00	41.28	39.22	43.66
40	40.25	38.20	42.29	40.14	38.11	42.19	36.68	34.66	38.99
45	35.60	33.62	37.57	35.50	33.54	37.46	32.22	30.26	34.44
50	31.09	29.20	32.96	30.98	29.13	32.83	27.94	26.05	30.04
55	26.75	24.96	28.50	26.64	24.90	28.34	23.87	22.08	25.83
60	22.64	20.98	24.24	22.51	20.92	24.04	20.08	18.39	21.86
65	18.80	17.28	20.23	18.66	17.22	19.99	16.60	15.03	18.17
70	15.28	13.92	16.50	15.12	13.85	16.26	13.48	12.04	14.82
75	12.12	10.95	13.14	11.97	10.88	12.90	10.70	9.46	11.85
80	9.38	8.42	10.21	9.22	8.35	9.97	8.32	7.28	9.28
85	7.08	6.34	7.73	6.94	6.27	7.51	6.35	5.52	7.13
90	5.24	4.69	5.72	5.11	4.62	5.52	4.78	4.13	5.38
95	3.82	3.42	4.16	3.71	3.37	3.99	3.56	3.07	4.01
100	2.77	2.49	2.99	2.67	2.45	2.85	2.65	2.28	2.97
105	2.01	1.83	2.16	1.94	1.80	2.05	1.98	1.72	2.21
West Virginia									
0	75.28	72.75	77.84	75.51	72.75	78.36	71.34	69.87	72.65
5	70.86	68.26	73.47	71.06	68.22	73.96	67.28	65.61	68.73
10	65.92	63.32	68.54	66.13	63.29	69.03	62.50	60.77	64.02
15	61.01	58.40	63.62	61.21	58.37	64.11	57.69	55.85	59.32
20	56.25	53.70	58.79	56.45	53.67	59.28	52.91	51.02	54.61
25	51.54	49.12	53.95	51.74	49.09	54.43	48.20	46.30	49.90
30	46.82	44.48	49.14	47.02	44.45	49.62	43.56	41.67	45.25
35	42.11	39.83	44.36	42.30	39.79	44.82	39.02	37.15	40.69
40	37.47	35.27	39.63	37.66	35.24	40.09	34.62	32.78	36.24
45	32.94	30.85	34.98	33.13	30.80	35.45	30.38	28.58	31.95
50	28.56	26.62	30.43	28.75	26.55	30.92	26.35	24.59	27.85
55	24.38	22.61	26.04	24.58	22.53	26.56	22.57	20.85	23.96
60	20.45	18.88	21.85	20.66	18.79	22.41	19.05	17.41	20.34
65	16.80	15.48	17.94	17.04	15.37	18.54	15.84	14.30	17.01
70	13.50	12.44	14.36	13.76	12.33	15.00	12.96	11.55	14.01
75	10.59	9.80	11.19	10.87	9.69	11.85	10.42	9.17	11.36
80	8.10	7.58	8.48	8.38	7.46	9.14	8.25	7.17	9.07
85	6.05	5.75	6.26	6.33	5.65	6.88	6.44	5.53	7.14
90	4.43	4.31	4.51	4.70	4.21	5.08	4.97	4.22	5.55
95	3.21	3.21	3.21	3.44	3.12	3.69	3.81	3.21	4.28
100	2.32	2.39	2.27	2.52	2.32	2.67	2.92	2.44	3.28
105	1.70	1.80	1.63	1.86	1.74	1.94	2.24	1.87	2.52

See footnotes at end of table.

Table 2. Life expectancy, by age, race, and sex: United States, 50 states, and District of Columbia, 1999–2001—Con.

State and age (years)	All races			White			Black		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Wisconsin									
0	78.56	75.61	81.64	78.93	76.12	81.87	71.51	68.41	74.34
5	74.11	71.27	77.11	74.47	71.68	77.39	67.80	64.91	70.53
10	69.16	66.33	72.15	69.52	66.75	72.44	62.88	60.00	65.61
15	64.22	61.40	67.21	64.58	61.80	67.49	58.00	55.13	60.71
20	59.42	56.67	62.33	59.76	57.05	62.60	53.33	50.61	55.86
25	54.67	52.02	57.45	54.99	52.38	57.71	48.79	46.31	51.07
30	49.86	47.28	52.57	50.17	47.62	52.82	44.14	41.72	46.34
35	45.06	42.52	47.71	45.35	42.85	47.95	39.55	37.18	41.71
40	40.31	37.82	42.91	40.59	38.14	43.13	35.09	32.80	37.18
45	35.67	33.24	38.19	35.92	33.53	38.38	30.78	28.57	32.78
50	31.15	28.81	33.57	31.38	29.08	33.73	26.66	24.56	28.53
55	26.82	24.57	29.11	27.01	24.82	29.22	22.77	20.81	24.49
60	22.70	20.59	24.83	22.86	20.81	24.90	19.14	17.35	20.68
65	18.87	16.91	20.80	18.99	17.10	20.82	15.81	14.22	17.15
70	15.35	13.57	17.06	15.44	13.75	17.04	12.82	11.46	13.95
75	12.21	10.64	13.67	12.28	10.80	13.62	10.21	9.07	11.11
80	9.46	8.14	10.70	9.51	8.29	10.62	7.96	7.07	8.66
85	7.17	6.10	8.18	7.19	6.22	8.07	6.10	5.43	6.62
90	5.32	4.49	6.11	5.33	4.59	5.99	4.61	4.13	4.97
95	3.89	3.27	4.48	3.89	3.35	4.37	3.45	3.13	3.69
100	2.83	2.38	3.25	2.81	2.44	3.14	2.58	2.37	2.73
105	2.07	1.75	2.35	2.05	1.79	2.26	1.94	1.82	2.02
Wyoming									
0	76.64	74.83	78.55	77.74	75.33	80.41	*	*	*
5	72.20	70.29	74.25	73.21	70.74	75.95	*	*	*
10	67.30	65.39	69.34	68.31	65.84	71.04	*	*	*
15	62.43	60.59	64.40	63.47	61.04	66.15	*	*	*
20	57.69	55.93	59.54	58.74	56.36	61.36	*	*	*
25	53.01	51.38	54.71	54.02	51.74	56.53	*	*	*
30	48.28	46.74	49.87	49.31	47.13	51.70	*	*	*
35	43.56	42.09	45.08	44.61	42.51	46.90	*	*	*
40	38.91	37.53	40.33	39.94	37.92	42.14	*	*	*
45	34.34	33.03	35.68	35.33	33.39	37.45	*	*	*
50	29.87	28.62	31.14	30.84	28.97	32.86	*	*	*
55	25.55	24.36	26.77	26.50	24.72	28.42	*	*	*
60	21.45	20.31	22.59	22.38	20.69	24.18	*	*	*
65	17.62	16.55	18.68	18.54	16.96	20.20	*	*	*
70	14.13	13.13	15.10	15.02	13.58	16.52	*	*	*
75	11.04	10.14	11.90	11.90	10.61	13.21	*	*	*
80	8.39	7.62	9.14	9.19	8.09	10.31	*	*	*
85	6.22	5.58	6.84	6.93	6.03	7.86	*	*	*
90	4.51	4.00	5.01	5.12	4.41	5.86	*	*	*
95	3.23	2.84	3.61	3.74	3.19	4.30	*	*	*
100	2.31	2.02	2.59	2.71	2.30	3.12	*	*	*
105	1.68	1.47	1.87	1.98	1.69	2.26	*	*	*

* Figure does not meet standards of reliability or precision; see "Technical Notes."

Technical Notes

In many ways, the methodology used to construct the decennial state life tables for 1999–2001 is similar to that used for the national tables for 1999–2001 (2). However, differences do exist in the technique for smoothing the curve for the probability of dying (q_x). The q_x is calculated first based on the observed data (mortality counts and census populations). The distribution of q_x is then smoothed using the technique described in this report. A combination of several statistical methods is used to allow for the flexibility of smoothing. Some of these methods have been used in previous decennial life tables, and some are new applications developed for use in constructing the current state-specific tables. The new methods and those specific to construction of the state life tables are described in this report. Additional details about the general methodology used in construction of both national and state tables are available from the methodology report for the national life tables (2). Methodologies common to all state life tables are described in the text, while specific applications for individual states are described in tabular form (Table I).

Data used for computing state life tables

The data used in preparing the 1999–2001 state decennial life tables (Table II) consist of:

- a. A complete count of resident deaths occurring in the United States during the 3-year period of 1999–2001. These data come from death certificates filed in state vital statistics offices and are reported to the National Center for Health Statistics as part of the National Vital Statistics System (NVSS).
- b. Population counts for each state on the census date April 1, 2000.
- c. Birth counts (also from NVSS) for each year from 1997 through 2001, inclusive.

The data are disaggregated by age, sex, and race. Race-specific tables are published for white and black populations separately, while tables for the total population include other races in addition to white and black.

Birth counts, rather than population counts, are used in calculating the denominators of the mortality rates at ages under 2 years. This is justified because census populations for ages under 2 years are believed to be underenumerated (8). Thus, birth counts may be expected to produce a more accurate estimate of the average population under age 2 during the 3-year period than is provided by the population enumerated on the census date.

With regard to census data, actuarial theory indicates that the population counts used in calculations should ideally be those as of a central date during the 3-year period, in this case, July 1, 2000. For calculation of the decennial life tables, the enumerated populations as of April 1, 2000, are used as if they were populations as of July 1. This is done to be consistent with death rates published for the United States and each state. Death rates for census years in published U.S. vital statistics use populations as of April 1 in the denominator. However, the difference between the two sets of population counts is very small.

Some preliminary adjustments were made to the data before the life tables were constructed. The description of these preliminary

adjustments is available from the methodology report for the national life tables (2). One of these adjustments is for missing age at death. No age at death was reported for 1,134 deaths out of a total of 7,211,175 (0.016 percent) deaths during 1999–2001. Age was imputed for these deaths based on the assumption that they are distributed among the various age groups in the same proportions as deaths where age is reported. The imputed ages at death used in the national tables were also used for the state tables, so no additional age imputation was needed for each state.

In six states (Iowa, Minnesota, Nebraska, New Mexico, Oregon, and Rhode Island), the total number of deaths ranged between 300 and 700 among black male or black female populations and did not meet publication criteria for estimation reliability as in previous decennial life tables (5,8). For these populations, q_x was calculated for each single year from 1970 through 2001 (6). Using these annual q_x values, a mixed probability model was then used to estimate the age-specific q_x for 1999–2001 for these populations (6).

Because of the issue of data reliability (age misreporting or small populations) for the oldest ages (i.e., ages 85 and over), the indices of the life table for ages over 85 were not derived from observed data but were extrapolated from a statistical model (see below).

Componential smoothing methods

The life table parameter q_x is the proportion of a group of persons at exact age x in a given year who are expected to die before attaining age $x + 1$. The q_x is also called the probability of dying. Other parameters in the complete life table are derived from q_x , which itself depends on the number of deaths D_x and the midyear population P_x for each age interval x to $x + 1$ observed during the calendar year of interest. The age distribution of the probability of dying should be, according to demographic and actuarial theory, regular and smooth (4). In practice, however, especially when the number of deaths is small, the observed age distribution of q_x tends to be irregular. In general, the smaller the number of deaths, the more jagged and less smooth the age distribution becomes. Therefore, smoothing procedures are often applied to observed data, including D_x , P_x , and q_x , to achieve a more regular and smooth age distribution.

The age-specific number of deaths D_x , population counts P_x , and probability of dying q_x were smoothed by applying multiple statistical methods either separately or jointly: a) Beer's graduation technique applied to D_x and P_x ; b) the Heligman-Pollard (HP) parametric model directly applied to observed (i.e., unsmoothed) q_x ; c) the HP parametric model applied to smoothed q_x (by Beer's method); and d) locally weighted smoothing (LOESS) applied to observed q_x . Methods a, b, and d are considered one-step smoothing processes, while method c is a two-step process. Descriptions of these four smoothing methods are given in the following sections.

Beer's graduation technique on D_x , P_x

For each gender and race- and state-specific population, D_x for years 1999–2001 and P_x for decennial year 2000 were smoothed separately using Beer's graduation technique. Beer's ordinary minimized fifth difference formula was applied by using Beer's multipliers on observed deaths in 5-year age intervals to get smoothed single year of age data. Similarly, Beer's multipliers were applied to

Table I. Componential smoothing methods, by ages used to construct final q_x curves for state populations

States and area	Method ¹ for q_x	White males	White females	Black males	Black females	Males	Females
Alabama	Beer	0–24	0–24	0–24	0–24	0–19	0–24
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	25–30
	HP on data	41–110	41–110	41–110	...	...	31–110
	HP on Beer	...	...	...	41–110	26–110	...
Alaska	Beer	0–24	...	...	...	0–13	...
	LOESS	...	...	...	...	...	...
	merge	25–40	...	...	...	14–19	8–14
	HP on data	41–110	...	...	...	20–110	0–7, 15–110
	HP on Beer	...	0–110	...	...	...	...
Arizona	Beer	0–24	0–24	...	...	0–19	...
	LOESS	...	...	0–24	0–21	...	...
	merge	25–40	25–40	25–40	25–40	20–25	...
	HP on data	41–110	41–110	41–110	41–110	...	...
	HP on Beer	...	...	...	...	26–110	0–110
Arkansas	Beer	...	0–24	0–24	0–24	0–19	...
	LOESS	0–24	...	...	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	...
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	0–110
California	Beer	0–24	0–24	0–24	0–24	0–19	...
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	...
	HP on data	41–110	41–110	41–110	41–110	...	...
	HP on Beer	...	...	...	...	26–110	0–110
Colorado	Beer	0–24	0–24	0–24	...	0–19	...
	LOESS	...	...	...	0–24	...	...
	merge	25–40	25–40	25–40	25–40	20–25	...
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	0–110
Connecticut	Beer	0–24	0–24	...	0–24	0–19	0–24
	LOESS	...	...	0–24	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	25–27
	HP on data	41–110	41–110	41–110	...	...	28–110
	HP on Beer	...	...	...	41–110	26–110	...
Delaware	Beer	0–13	...	...	0–10	0–5	...
	LOESS	...	0–24	0–24	...	...	...
	merge	14–19	25–40	25–40	11–14	13–Jun	...
	HP on data	20–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	15–110	14–110	0–110
District of Columbia	Beer	0–8	...	...	...	0–2	...
	LOESS	...	...	0–24	0–21	...	...
	merge	19–Sep	...	25–40	22–40	3–13	...
	HP on data	...	...	41–110	41–110	...	...
	HP on Beer	20–110	0–110	...	...	14–110	0–110
Florida	Beer	0–24	0–24	0–24	0–24	0–19	0–24
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	25–30
	HP on data	41–110	41–110	...	...	...	...
	HP on Beer	...	...	41–110	41–110	26–110	31–110
Georgia	Beer	0–24	0–24	0–24	0–24	0–19	0–36
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	37–41
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	42–110

See footnotes at end of table.

Table I. Componential smoothing methods, by ages used to construct final q_x curves for state populations—Con.

States and area	Method ¹ for q_x	White males	White females	Black males	Black females	Males	Females
Hawaii	Beer	...	...	...	...	0–19	0–22
	LOESS	0–24	...	...	...	...	...
	merge	25–40	...	...	...	20–25	23–25
	HP on data	41–110	...	...	...	...	...
	HP on Beer	...	0–110	...	...	26–110	26–110
Idaho	Beer	...	0–24	...	...	...	0–36
	LOESS	0–24	...	...	...	...	...
	merge	25–40	25–40	...	...	...	37–41
	HP on data	41–110	41–110	...	...	...	...
	HP on Beer	...	...	...	...	0–110	42–110
Illinois	Beer	0–24	0–24	0–24	0–22	0–19	...
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	23–40	20–25	...
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	0–110
Indiana	Beer	0–24	0–24	0–24	...	0–19	0–13
	LOESS	...	...	...	0–24	...	...
	merge	25–40	25–40	25–40	25–40	20–25	14–19
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	20–110
Iowa	Beer	0–24	0–24	...	...	0–13	9–32
	LOESS	...	...	0–24	0–24	...	...
	merge	25–40	25–40	25–40	25–40	14–19	33–38
	HP on data	41–110	41–110	41–110	41–110	20–110	0–8
	HP on Beer	...	...	...	...	...	39–110
Kansas	Beer	0–24	0–24	0–24	0–12	0–19	...
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	13–16	20–25	...
	HP on data	41–110	41–110	41–110	17–110	...	...
	HP on Beer	...	...	...	...	26–110	0–110
Kentucky	Beer	0–24	0–24	...	0–22	0–19	0–22
	LOESS	...	...	0–24	...	...	...
	merge	25–40	25–40	25–40	23–40	20–25	23–25
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	26–110
Louisiana	Beer	...	...	0–24	0–24	0–19	0–41
	LOESS	0–24	0–24	...	...	...	...
	merge	25–40	...	25–40	25–40	20–25	42–48
	HP on data	41–110	25–40	...	...	...	...
	HP on Beer	...	41–110	41–110	41–110	26–110	49–110
Maine	Beer	0–24	...	...	...	0–19	0–54
	LOESS	...	...	...	...	...	...
	merge	25–40	...	...	...	20–25	55–60
	HP on data	41–110	0–110	...	...	...	...
	HP on Beer	...	...	...	...	26–110	61–110
Maryland	Beer	0–24	0–24	...	0–24	0–19	0–24
	LOESS	...	...	0–24	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	25–30
	HP on data	41–110	41–110	41–110	41–110	...	...
	HP on Beer	...	...	...	...	26–110	31–110
Massachusetts	Beer	...	...	...	...	0–19	...
	LOESS	0–24	0–24	0–24	0–13	...	...
	merge	25–40	25–40	25–40	...	20–25	...
	HP on data	41–110	41–110	41–110	14–110	...	...
	HP on Beer	...	...	...	...	26–110	0–110

See footnotes at end of table.

Table I. Componential smoothing methods, by ages used to construct final q_x curves for state populations—Con.

States and area	Method ¹ for q_x	White males	White females	Black males	Black females	Males	Females
Michigan	Beer	0–24	0–24	...	0–24	0–19	...
	LOESS	...	...	0–24	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	...
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	0–110
Minnesota	Beer	0–24	0–24	...	...	0–19	0–44
	LOESS	...	...	0–24	0–24	...	...
	merge	25–40	25–40	25–40	25–40	20–25	45–50
	HP on data	41–110	41–110	41–110	41–110	...	...
	HP on Beer	...	...	...	...	26–110	51–110
Mississippi	Beer	0–24	0–13	0–24	0–24	0–19	0–19
	LOESS	...	...	...	...	...	...
	merge	25–40	14–19	25–40	25–40	20–25	20–25
	HP on data	41–110	20–110	41–110	...	...	26–110
	HP on Beer	...	...	...	41–110	26–110	...
Missouri	Beer	...	0–24	...	0–34	0–19	0–32
	LOESS	0–24	...	0–24	...	...	...
	merge	25–40	25–40	25–40	35–40	20–25	33–38
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	39–110
Montana	Beer	0–24	...	...	...	...	0–5, 14–34
	LOESS	...	0–24	...	...	...	...
	merge	25–40	25–40	...	...	...	6–13, 35–40
	HP on data	...	41–110	...	...	...	...
	HP on Beer	41–110	...	...	...	0–110	41–110
Nebraska	Beer	...	0–25	...	...	13–15	0–29
	LOESS	0–24	...	0–24	0–24	...	...
	merge	25–40	26–31	25–40	25–40	16–21	30–35
	HP on data	41–110	...	41–110	41–110	...	...
	HP on Beer	...	32–110	...	...	0–12, 22–110	36–110
Nevada	Beer	0–24	0–24	...	0–38	0–19	0–19
	LOESS	...	...	0–24	...	...	...
	merge	25–40	25–40	25–40	39–42	20–25	20–25
	HP on data	41–110	41–110	41–110	...	...	26–110
	HP on Beer	...	...	...	43–110	26–110	...
New Hampshire	Beer	0–24	0–24	...	...	...	...
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	...	...	...	...
	HP on data	41–110	41–110	...	...	...	...
	HP on Beer	...	...	...	...	0–110	0–110
New Jersey	Beer	0–24	0–24	0–24	0–21	0–19	0–39
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	22–30	20–25	40–45
	HP on data	41–110	41–110	41–110	31–110	...	...
	HP on Beer	...	...	...	...	26–110	46–110
New Mexico	Beer	...	...	...	...	0–20	...
	LOESS	0–24	...	0–24	0–24	...	...
	merge	25–40	...	25–40	25–40	...	45–50
	HP on data	41–110	...	41–110	41–110	...	0–44
	HP on Beer	...	0–110	...	...	21–110	51–110
New York	Beer	0–24	0–24	0–24	0–24	0–19	...
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	...
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	0–110

See footnotes at end of table.

Table I. Componential smoothing methods, by ages used to construct final q_x curves for state populations—Con.

States and area	Method ¹ for q_x	White males	White females	Black males	Black females	Males	Females
North Carolina	Beer	0–24	...	0–24	0–24	0–19	0–19
	LOESS	...	0–24	...	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	20–25
	HP on data	41–110	41–110	41–110	...	...	26–110
	HP on Beer	...	...	...	41–110	26–110	...
North Dakota	Beer	0–24	...	...	...	...	...
	LOESS	...	...	...	...	...	...
	merge	25–40	...	...	...	...	...
	HP on data	41–110	0–110	...	...	...	...
	HP on Beer	...	...	...	...	0–110	0–110
Ohio	Beer	0–24	0–24	...	0–24	0–19	0–24
	LOESS	...	...	0–24	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	25–30
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	31–110
Oklahoma	Beer	0–24	0–24	...	...	0–19	0–19
	LOESS	...	...	0–24	0–24	...	...
	merge	25–40	25–40	25–40	25–40	20–25	20–25
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	26–110
Oregon	Beer	0–24	0–24	...	...	0–19	0–29
	LOESS	...	...	0–24	0–24	...	...
	merge	25–40	25–40	25–40	25–40	20–25	30–35
	HP on data	41–110	41–110	41–110	41–110	...	...
	HP on Beer	...	...	...	...	26–110	36–110
Pennsylvania	Beer	0–24	0–24	0–24	0–24	0–19	0–36
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	37–41
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	42–110
Rhode Island	Beer	...	...	...	...	0–19	0–28
	LOESS	0–24	...	0–24	0–24	...	...
	merge	25–40	...	25–40	25–40	20–25	29–34
	HP on data	41–110	...	41–110	41–110	...	...
	HP on Beer	...	0–110	...	...	26–110	35–110
South Carolina	Beer	...	0–24	0–24	0–17	0–19	0–28
	LOESS	0–24	...	...	...	...	...
	merge	25–40	25–40	25–40	18–40	20–25	29–34
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	35–110
South Dakota	Beer	...	0–24	...	...	...	0–28
	LOESS	...	...	...	...	...	...
	merge	...	25–40	...	...	...	29–34
	HP on data	0–110	41–110	...	...	...	35–110
	HP on Beer	...	...	...	...	0–110	...
Tennessee	Beer	...	0–24	0–24	...	0–19	...
	LOESS	0–24	...	...	...	...	...
	merge	25–40	25–40	25–40	...	20–25	...
	HP on data	41–110	41–110	41–110	0–110	...	...
	HP on Beer	...	...	...	...	26–110	0–110
Texas	Beer	0–24	0–24	0–24	0–24	0–19	...
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	...
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	0–110

See footnotes at end of table.

Table I. Componential smoothing methods, by ages used to construct final q_x curves for state populations—Con.

States and area	Method ¹ for q_x	White males	White females	Black males	Black females	Males	Females
Utah	Beer	0–24	0–20	...	...	0–18	0–22
	LOESS	...	...	...	...	...	...
	merge	25–40	21–41	...	...	19–22	23–25
	HP on data	41–110	42–110	...	...	...	...
	HP on Beer	...	...	...	...	23–110	26–110
Vermont.	Beer	...	...	...	...	...	10–13
	LOESS	0–24	...	...	...	...	0–9, 14–35
	merge	25–40	...	...	...	...	36–40
	HP on data	41–110	0–110	...	...	...	...
	HP on Beer	...	...	...	...	0–110	41–110
Virginia	Beer	0–24	0–24	0–24	0–24	0–19	0–37
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	25–40	20–25	38–40
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	41–110	26–110	41–110
Washington.	Beer	0–24	0–24	...	...	0–19	...
	LOESS	...	...	...	0–15	...	...
	merge	25–40	25–40	...	16–23	20–25	...
	HP on data	41–110	41–110	0–110	...	...	...
	HP on Beer	...	...	...	24–110	26–110	0–110
West Virginia.	Beer	...	0–24	0, 9–17	...	8–13	0–21
	LOESS	0–24	...	...	...	...	...
	merge	25–40	25–40	...	...	14–19	22–27
	HP on data	41–110	41–110	1–8, 18–110	0–110	...	...
	HP on Beer	...	...	...	...	0–7, 20–110	28–110
Wisconsin.	Beer	0–24	0–24	0–24	...	0–19	...
	LOESS	...	...	...	...	...	...
	merge	25–40	25–40	25–40	...	20–25	...
	HP on data	41–110	41–110	41–110	...	...	...
	HP on Beer	...	...	...	0–110	26–110	0–110
Wyoming	Beer	...	14–21	...	...	0–16	...
	LOESS	...	...	...	...	...	0–8, 14–43
	merge	...	...	...	...	17–35	9–13, 44–48
	HP on data	0–110	0–13, 22–110	...	...	...	...
	HP on Beer	...	...	...	...	36–110	49–110

... Category not applicable.

¹Beer is Beer's graduation technique; LOESS is locally weighted smoothing; merge is merging smoothing results from Beer/LOESS to HPs using a transition formula; HP on data is applying the Heligman-Pollard equation on data; HP on Beer is applying the Heligman-Pollard equation on results from Beer's method; see "Technical Notes."

NOTE: q_x is the probability of dying between ages x and $x + 1$ years.

population estimates in 5-year age intervals to get smoothed estimates for single-year age intervals.

Details of Beer's method are presented in the methodology report for the national decennial tables (2).

Calculation of probability of dying, q_x , for smoothing

The probability of dying, q_x , was calculated based on either observed D_x and P_x or Beer's smoothed D_x and P_x using the following method: For ages under 2 years, births E_x instead of P_x were used to calculate q_x . The first life table quantities to be calculated were the values of d_x , the number of deaths occurring between exact age x and $x + 1$ in the life table cohort commencing with per 100,000 (l_0) live births. This was calculated by the formula

$$d_x = l_0 D_x / E_x \quad x < 2 \quad [1]$$

where d_x is the estimated number of deaths per 100,000 (l_0) births occurring in 1999–2001 between exact ages x and $x + 1$; D_x is the actual death count (adjusted for nonreporting of age) in this 3-year period; and E_x is the weighted average of births for 1997, 1998, 1999, 2000, and 2001 (2).

The unrounded values of d_x were then used to calculate the number of survivors l_x up to age 2 years by successive applications of the formula

$$l_{x+1} = l_x - d_x \quad x < 2 \quad [2]$$

The probability of dying within each age category for ages under 2 years was then estimated as d_x divided by l_x , as in

$$q_x = d_x / l_x \quad x < 2 \quad [3]$$

For ages 2 years and over, the following method was used to calculate q_x : m_x denotes the ratio d_x/L_x , commonly called the central death rate. Assuming a uniform distribution of deaths over the year at age x ,

$$q_x = \frac{2m_x}{2 + m_x} \quad x \leq 2 \quad [4]$$

This approximation is appropriate when the life table is constructed by single years of age and is the basis of the calculation for probabilities of dying at ages 2–85 years. Completion of the calculation depends, therefore, on the ability to calculate the central death rate m_x at different ages. To do this, different methods were used for ages 2–4 and 5–85 years, as described below.

D_x denotes the adjusted number of deaths in a population category at age x (in completed years) during 1999–2001 (i.e., 3 years), and P_x denotes the population at age x in the middle of the period. The central death rate, m_x , was then computed as

$$m_x = \frac{D_x}{3P_x} \quad [5]$$

As previously noted, the populations actually used were those as of April 1, 2000.

However, because the number of deaths occurring in a single year of age during 1999–2001 was drawn from three consecutive annual population counts, it was considered that the accuracy of these m_x values would be improved by replacing $3P_x$ in the denominator of formula 5 by the sum of the populations at ages $x-1$, x , and $x+1$. This is because the change in the death rates in very young ages (2–4 years) is substantial across cohorts; therefore, the corresponding population count is more accurate than P_x from a centered year when used as the denominator. Thus, the formula becomes

$$m_x = \frac{D_x}{P_{x-1} + P_x + P_{x+1}} \quad [6]$$

The combination of formulas 4 and 6 is equivalent to the single formula

$$q_x = \frac{D_x}{P_{x-1} + P_x + P_{x+1} + \frac{1}{2}D_x} \quad 2 \leq x \leq 4 \quad [7]$$

where the values of D_x and P_x were obtained from either observed data or interpolated data using Beer's graduation technique. This formula was used for ages 2–4 years.

The combination of formulas 4 and 5 is equivalent to

$$q_x = \frac{D_x}{3P_x + \frac{1}{2}D_x} \quad 5 \leq x \leq 85 \quad [8]$$

This formula was used for ages 5–85 years, and the values of D_x and P_x were also obtained by using either observed data or Beer's interpolation. The last age for the Beer's smoothed q_x was 79 years, because older age groups could not be interpolated without data for ages over 85.

Smoothing with Heligman-Pollard equation, extrapolating q_x to 130 years

In a recent study using vital statistics mortality data, the Heligman-Pollard (HP) equation was found to fit well with current U.S. age-specific mortality (9). The HP equation is a nonlinear model consisting of three components and eight parameters:

$$\frac{q_x}{1 - q_x} = A^{(x+B)^C} + D \exp[-E(\log x - \log F)^2] + GH^x \quad [9]$$

where parameters A , B , and C in the first term of the equation measure mortality in the first year of life, the rate of change in mortality from birth to the first year of life, and the rate of mortality decline in childhood, respectively. The second term of the equation describes mortality for ages in the middle of the life span (approximately between ages 10 and 40 years), where a so-called "accident hump" often appears, and parameters D , E , and F measure respectively the location, width, and height of this accident hump. Parameters G and H in the third term measure mortality change in the oldest ages of the life span (4).

In constructing the national decennial life tables, only the third term (GH^x) of the HP equation was used to smooth and extrapolate q_x at ages 65 and over (2). Because the observed q_x values in the national tables were based on large numbers of deaths, Beer's graduation technique was deemed sufficient as a smoothing method for the younger ages. In contrast, the state life tables are based on much smaller numbers of deaths and, thus, Beer's technique was not always sufficient alone to obtain a smooth q_x distribution by age. To enhance the smoothness of q_x in the state life tables, the following procedure was used: First, a two-step approach was applied using the complete HP equation to fit Beer's smoothed q_x from ages 0 to 79 years, and then q_x was extrapolated to age 130 years using the method described in the following paragraph. Second, the HP model was applied to the observed q_x directly. This one-step smoothing procedure was applied to q_x for ages 0–85 years, and then the smoothed q_x were extrapolated to age 130. Both one- and two-step smoothing results for q_x were compared with the observed q_x by using plots, and the one with the better fit (i.e., with smaller errors) was selected for constructing the final life tables.

Using the HP model, q_x was estimated for all ages up to 130 by extrapolation. However, in the final life tables, estimates were truncated to age 109. This is consistent with the method used for calculation of the national life tables and for previous decennial life tables. The extrapolation formula is

$$\hat{q}_x = \frac{\hat{A}^{(x+\hat{B})^{\hat{C}}} + \hat{D} \exp[-\hat{E}(\log x - \log \hat{F})^2] + \hat{G}\hat{H}^x}{1 + \hat{A}^{(x+\hat{B})^{\hat{C}}} + \hat{D} \exp[-\hat{E}(\log x - \log \hat{F})^2] + \hat{G}\hat{H}^x} \quad [10]$$

where $\hat{A}$ to $\hat{H}$ were estimated from equation 9 with an error term allowed.

Locally weighted smoothing

The locally weighted smoothing (LOESS) procedure was applied using the SAS/LOESS procedure (SAS, 2008). In contrast to Beer's method, which uses a smoothing window containing 25 adjacent ages, the size of the smoothing window in LOESS is flexible; therefore, the degree of smoothness is flexible and can be applied differently to individual states according to the age-specific pattern observed in the data. For the state life tables, this method was applied in smoothing q_x for the younger ages, from 0 to 35 years, for populations in which the mortality change from age to age is substantial, rendering the results of Beer's method unsatisfactory. The size of the smoothing window was varied by using 5 percent, 8 percent, 10 percent, and 12 percent of the age range. The LOESS method was also applied to q_x values for the black population of six small states in which the mortality rates q_x for ages with zero observed deaths were estimated using historical data (see next section).

Small states: Estimating q_x with probability model and 32 years' mortality data

A mixed probability model was used to estimate q_x for states with population subgroups having between 300 and 700 deaths. This model uses observed data for previous years to estimate q_x values for ages for which there are no deaths or insufficient deaths to calculate a reliable estimate. NCHS has well-documented mortality data dating from 1968. In these cases, q_x was estimated using mortality data from 1970 to 2001. A mixed probability distribution model which includes two probability components, a discrete component specified at 0, and a continuous component for values greater than 0, was used to estimate q_x in the current life table based on 32 years' data.

Let Y represent age-specific mortality rates, a natural model for Y is a mixed probability distribution model where $Y = 0$ with probability $1 - p$, where $0 < p < 1$; otherwise, for positive rates, Y follows a continuous distribution with cumulative distribution function (cdf) $F(y; \theta_1)$, with θ_1 representing a vector of parameters. The distribution of Y is a mixture of discrete and continuous components, as in

$$P(Y \leq y) = Gm(y; p, \theta_1) = (1 - p)H(y) + pF(y; \theta_1) \quad [11]$$

where $H(y)$ is a step function:

$$H(y) = \begin{cases} 0, & y < 0 \\ 1, & y \geq 0 \end{cases}$$

The corresponding generalized probability density is

$$g_m(y; p, \theta_1) = (1 - p)^{1 - I(y > 0)} [pf(y; \theta_1)]^{I(y > 0)} \quad y \geq 0 \quad [12]$$

where $f(y; \theta_1)$ is a probability density function conditional on $Y > 0$ and corresponding to $F(y; \theta_1)$, $I(A) = 1$ if A occurs, and $I(A) = 0$ if A does not occur. The goal is to estimate the mean of the mixed distribution,

$$E(Y) = pE(Y | Y > 0) \quad [13]$$

which is a function of $\theta \equiv (p, \theta_1)$. Observe that equation 13 is a product of two factors, p and $\alpha \equiv E(Y | Y > 0)$, corresponding to the two distribution components. Equation 13 can be estimated using

the maximum likelihood estimates of p and α , as in a mixed lognormal, or by regressing each of the two factors on covariates and then taking the product of the two regressions, as in two-part Hurdle or zero-inflated models (6). With this estimator, the confidence interval bands can help determine the reliability of the estimated death curve.

Selecting smoothed curve sections of q_x for different ages; merging selected sections into final q_x curve for whole life span (0–130 years)

Smoothed q_x curves from all methods were plotted against the observed q_x , and the one with the best fit was selected for specific age sections. Selected q_x curves from each age section were merged to form the final q_x curve from ages 0 to 130 years. To merge two curve sections, a graduating process was applied using

$$q_x^F = \frac{1}{b-a} [(b-x)q_x^A + (x-a)q_x^B] \quad [14]$$

where q_x^F is a merged (final) curve section, q_x^A is the section with younger ages, and q_x^B is the section with older ages. For example, suppose q_x^A for ages 0 to 13 years smoothed by Beer's graduation technique is merged with q_x^B for ages 7 years and over smoothed by the HP method. For the overlapping ages (7 to 13 years), the final q_x^F would be calculated as

$$q_x^F = \frac{1}{14-6} [(14-x)q_x^A + (x-6)q_x^B] \text{ for age } x = 7, 8, 9, 10, 11, 12, 13$$

To check and ensure the fidelity of the smoothed q_x , the final composite q_x curve was plotted against the observed data for all populations. The final q_x composition for sex- and race-specific populations for every state is given in Table I, and examples (Iowa) of plots of final q_x compared with observed data are shown in Figures Ia and Ib.

Computing q_x for total, total white, and total black populations based on corresponding sex-specific populations

Data for each state consist of composite values of the population according to sex and race. Figures for the total U.S. population were computed by combining data for all males and females. Figures for the total white and total black populations were similarly computed by combining males and females for the respective race groups. The parameter q_x in each state's six sex-specific populations was smoothed (using the methods previously described) prior to creating q_x values for the three groups with both sexes combined (all races total, total white, and total black populations) for each state. For consistency, the death number D^T and population denominator P^T were computed from two separately smoothed sex-specific populations rather than directly smoothing the data for the combined deaths and populations. We denote the combined, female, and male populations using superscripts T , F , and M , respectively. Then the number of deaths and population for the combined population is

$$D_x^T = \frac{q_x^F P_x^F}{1 - 0.5 q_x^F} + \frac{q_x^M P_x^M}{1 - 0.5 q_x^M} \quad [15]$$

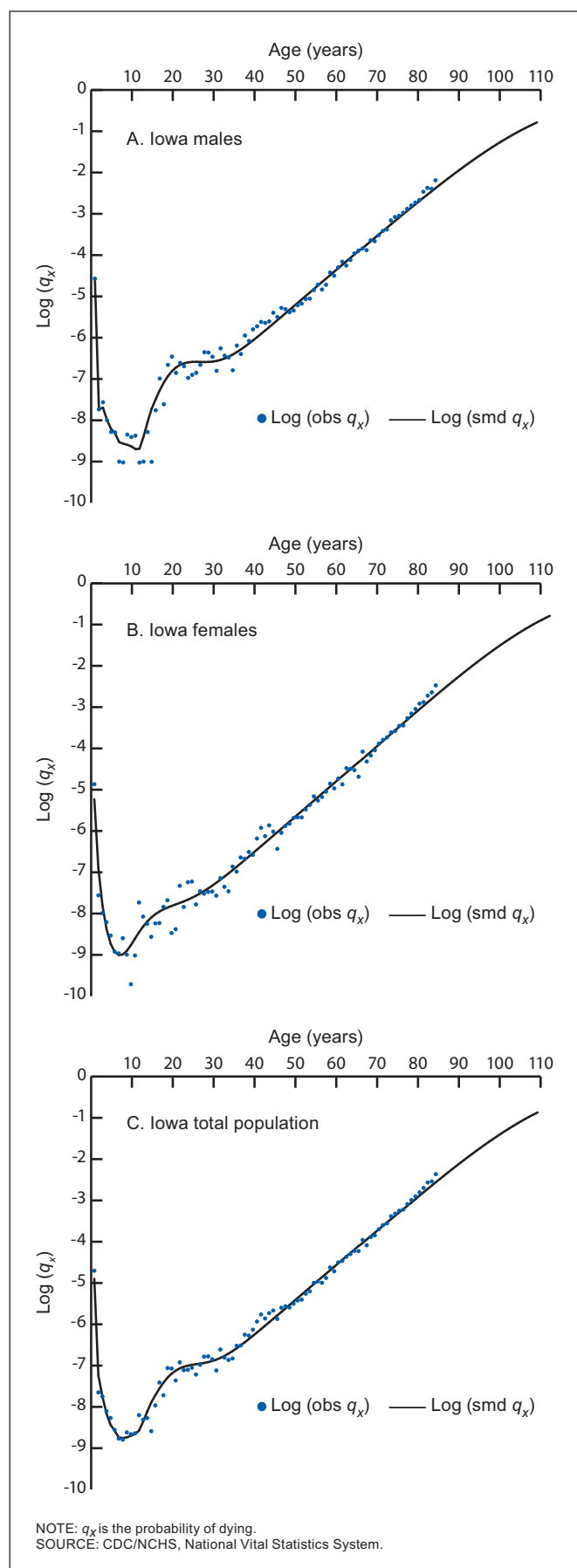


Figure I. Smoothed q_x compared with observed q_x : Iowa, 1999–2001

$$P_x^T = P_x^F + P_x^M \quad [16]$$

where P_x^F and P_x^M are population sizes after smoothing, and q_x^F and q_x^M are the smoothed q_x for the corresponding female and male populations. Then, q_x for the combined population is computed as

$$q_x^T = \frac{D_x^T}{P_x^T + 0.5D_x^T} \quad [17]$$

for ages under 80, and

$$q_x^T = \frac{P_{76-79}^F}{P_{76-79}^T} q_x^F + \frac{P_{76-79}^M}{P_{76-79}^T} q_x^M \quad [18]$$

for ages 80 and over,

where P_{76-79}^F , P_{76-79}^M and P_{76-79}^T are sums of population size across ages 76 to 79 for females, males, and total population, respectively. The two ratios of population size in equation 18 serve as weights for combining q_x^F and q_x^M into q_x^T for ages 80 and over. The q_x^T curves for combining populations calculated by this method are smooth because q_x^F , P_x^F , q_x^M and P_x^M are smoothed results from gender-specific populations. To ensure the quality of estimated q_x^T in this way, q_x^T curves were also plotted against the observed q_x^T . An example (Iowa) of such a plot is shown in Figure 1c.

Calculation of remaining life table functions: d_x , l_x , L_x , T_x and e_x for all populations

Once the final smoothed q_x for each age was determined from age 0 to 130 years, the rest of the life table functions were derived from q_x .

The initial life table population l_0 at birth is traditionally 100,000. The remaining life table functions were then estimated based on the following equations:

Number of persons dying between ages x and $x + 1$:

$$d_x = l_x q_x \quad [19]$$

Number of persons alive (survivors) at the beginning of each age interval:

$$l_{x+1} = l_x - d_x \quad [20]$$

Number of persons living between ages x and $x + 1$:

$$L_x = 0.5 (l_x + l_{x+1}) \quad [21]$$

Number of person-years lived after age x :

$$T_x = L_x + T_{x+1}, \text{ with } T_{end} = L_{end} \quad [22]$$

Average remaining lifetime (or life expectancy) at age x :

$$e_x = T_x / l_x \quad [23]$$

Finally, all life table functions were estimated through age 130 but were truncated to age 109 for the purposes of tabulation.

Decimal places, rounding of numbers

Traditionally, published life tables show life table functions such as l_x , d_x , L_x , and T_x rounded to whole integers. However, because the U.S. total population is nearly 300 million, the accuracy of the life table functions extends beyond the hypothetical population of 100,000. Therefore, all life table calculations were carried out using

floating point precision, allowing for fractional deaths and fractional years of life lived. This creates a problem for users who want to reproduce the life table estimates from the rounded numbers in the tables.

Thus, users of the decennial life tables are cautioned that the life table calculations are based on additional significant digits than shown, and back-calculation using the rounded numbers cannot be expected to reproduce the exact published results.

Calculation of standard errors of q_x and e_x

Standard errors (SEs) for the decennial life table functions, specifically for the probabilities of dying and for life expectancies, were calculated based on an assumption that the age-specific deaths follow a binomial distribution. It is important to consider that these SEs reflect only stochastic variation. Stochastic variation is not the only source of error for life table functions; measurement error, such as age misstatement on death certificates or on census reports, also affects the accuracy of life table functions. While the extent of measurement error on life table functions has not been quantified, it is generally thought that measurement errors may be larger than stochastic errors (8). The SEs presented are rather small because the life tables for the United States and each state are based on relatively large numbers of deaths. Errors from the smoothing procedure on q_x are not given or included in standard error calculation here. Smoothing involved a complicated multiple method and stage procedure. Incorporating these methods into the estimation of the SEs would be unnecessarily complex. Any error introduced by smoothing would be very small compared with the stochastic variation and can, therefore, be safely ignored.

A binomial distribution assumption yields the following estimate for the variance of q_x (11):

$$S^2(q_x) = \frac{q_x^2(1 - q_x)}{D_x} \quad [24]$$

where D_x is the age-specific number of deaths and q_x is the probability of dying. For ages under 80, D_x is the age-specific number of deaths from vital statistics data, smoothed by interpolation and adjusted for the number of deaths with missing ages. For ages 80 and over, D_x was calculated based on the extrapolated estimate of q_x :

$$P_x = \frac{(P_{x-1} - 0.5D_{x-1} / 3)(2 - q_x)}{2} \quad [25]$$

$$D_x = \frac{3q_x P_x}{1 - 0.5q_x} \quad [26]$$

Note that D_x is the number of deaths in a 3-year data collection period (1999–2001), and P_x is the population at age x in the middle of this period.

For the variances of life expectancies at ages 0–109 years, an equation from Chiang (11) with a slight modification was used (8):

$$S^2(e_x) = \frac{l_{end}^2 S^2(e_{end}) + \sum_{y=x}^{end-1} l_y^2 (e_{y+1} + 0.5)^2 S^2(q_y)}{l_x^2} \quad [27]$$

where the “end” age is the age 1 year before the life expectancy becomes zero for the population. For all populations, this end age falls into a range between 109 and 120 years. An approximate estimation for the variances of life expectancy at the end age is:

$$S^2(e_{end}) = \frac{S^2(q_{end})}{q_{end}^4} \quad [28]$$

This is based on the relationship between e_x and m_x at the end age. That is, $e_{end} = 1/m_{end} = (2 - q_{end})/2q_{end}$. A linear approximation of $S^2(e_x)$ at the end age gives $S^2(e_{end}) = (\partial[(2 - q_{end})/2q_{end}]/\partial q_{end})^2 S^2(q_{end})$. The $S^2(q_x)$ and $S^2(e_x)$ were calculated until the end age but truncated at age 109 for the published life tables.

All $S^2(q_x)$ and $S^2(e_x)$ were published in tables corresponding to the state-specific life tables that they describe.

Table II. Decennial life tables, by single year of age: 50 states and District of Columbia, 1999–2001(Available from: <http://www.cdc.gov/nchs/nvss/mortality/lew4.htm>)

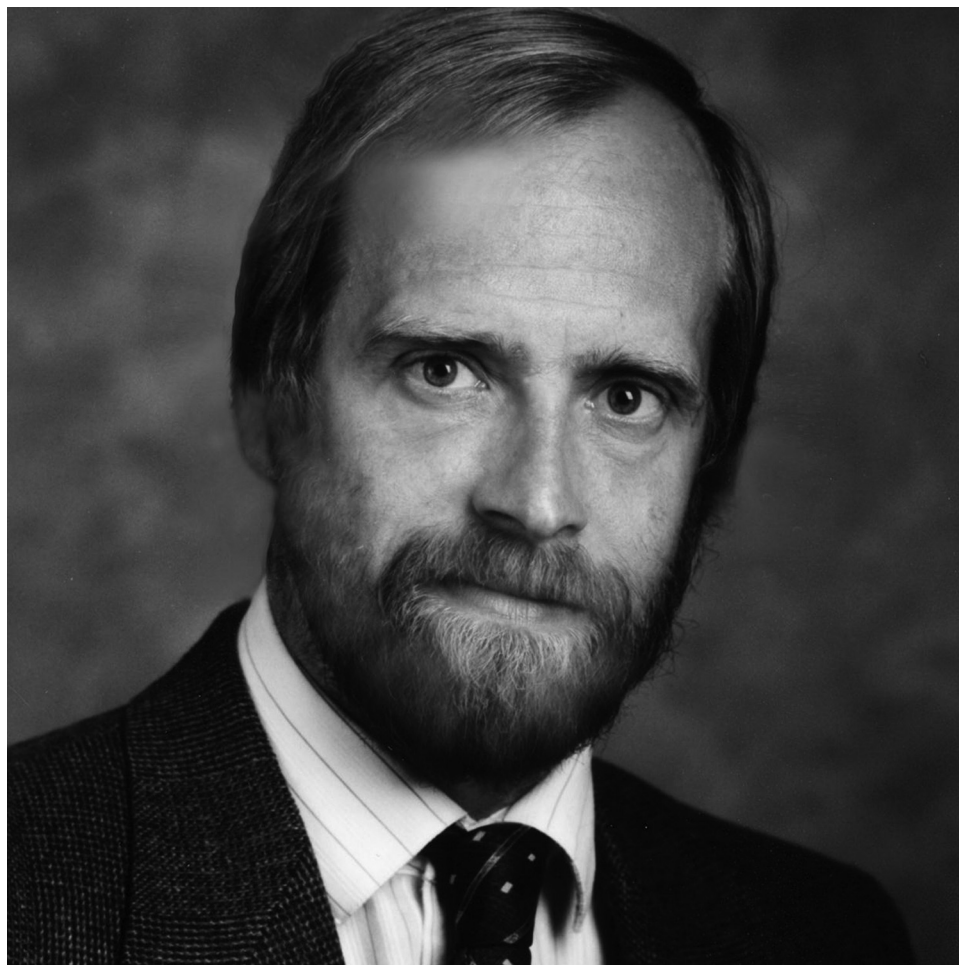
AL-1. Life table for the total population: Alabama	CA-11. Standard errors of the average remaining lifetime: California
AL-2. Life table for males: Alabama	CO-1. Life table for the total population: Colorado
AL-3. Life table for females: Alabama	CO-2. Life table for males: Colorado
AL-4. Life table for the white population: Alabama	CO-3. Life table for females: Colorado
AL-5. Life table for white males: Alabama	CO-4. Life table for the white population: Colorado
AL-6. Life table for white females: Alabama	CO-5. Life table for white males: Colorado
AL-7. Life table for the black population: Alabama	CO-6. Life table for white females: Colorado
AL-8. Life table for black males: Alabama	CO-7. Life table for the black population: Colorado
AL-9. Life table for black females: Alabama	CO-8. Life table for black males: Colorado
AL-10. Standard errors of the probability of dying: Alabama	CO-9. Life table for black females: Colorado
AL-11. Standard errors of the average remaining lifetime: Alabama	CO-10. Standard errors of the probability of dying: Colorado
AK-1. Life table for the total population: Alaska	CO-11. Standard errors of the average remaining lifetime: Colorado
AK-2. Life table for males: Alaska	CT-1. Life table for the total population: Connecticut
AK-3. Life table for females: Alaska	CT-2. Life table for males: Connecticut
AK-4. Life table for the white population: Alaska	CT-3. Life table for females: Connecticut
AK-5. Life table for white males: Alaska	CT-4. Life table for the white population: Connecticut
AK-6. Life table for white females: Alaska	CT-5. Life table for white males: Connecticut
AK-7. Life table for the black population: Alaska	CT-6. Life table for white females: Connecticut
AK-8. Life table for black males: Alaska	CT-7. Life table for the black population: Connecticut
AK-9. Life table for black females: Alaska	CT-8. Life table for black males: Connecticut
AK-10. Standard errors of the probability of dying: Alaska	CT-9. Life table for black females: Connecticut
AK-11. Standard errors of the average remaining lifetime: Alaska	CT-10. Standard errors of the probability of dying: Connecticut
AZ-1. Life table for the total population: Arizona	CT-11. Standard errors of the average remaining lifetime: Connecticut
AZ-2. Life table for males: Arizona	DE-1. Life table for the total population: Delaware
AZ-3. Life table for females: Arizona	DE-2. Life table for males: Delaware
AZ-4. Life table for the white population: Arizona	DE-3. Life table for females: Delaware
AZ-5. Life table for white males: Arizona	DE-4. Life table for the white population: Delaware
AZ-6. Life table for white females: Arizona	DE-5. Life table for white males: Delaware
AZ-7. Life table for the black population: Arizona	DE-6. Life table for white females: Delaware
AZ-8. Life table for black males: Arizona	DE-7. Life table for the black population: Delaware
AZ-9. Life table for black females: Arizona	DE-8. Life table for black males: Delaware
AZ-10. Standard errors of the probability of dying: Arizona	DE-9. Life table for black females: Delaware
AZ-11. Standard errors of the average remaining lifetime: Arizona	DE-10. Standard errors of the probability of dying: Delaware
AR-1. Life table for the total population: Arkansas	DE-11. Standard errors of the average remaining lifetime: Delaware
AR-2. Life table for males: Arkansas	DC-1. Life table for the total population: District of Columbia
AR-3. Life table for females: Arkansas	DC-2. Life table for males: District of Columbia
AR-4. Life table for the white population: Arkansas	DC-3. Life table for females: District of Columbia
AR-5. Life table for white males: Arkansas	DC-4. Life table for the white population: District of Columbia
AR-6. Life table for white females: Arkansas	DC-5. Life table for white males: District of Columbia
AR-7. Life table for the black population: Arkansas	DC-6. Life table for white females: District of Columbia
AR-8. Life table for black males: Arkansas	DC-7. Life table for the black population: District of Columbia
AR-9. Life table for black females: Arkansas	DC-8. Life table for black males: District of Columbia
AR-10. Standard errors of the probability of dying: Arkansas	DC-9. Life table for black females: District of Columbia
AR-11. Standard errors of the average remaining lifetime: Arkansas	DC-10. Standard errors of the probability of dying: District of Columbia
CA-1. Life table for the total population: California	DC-11. Standard errors of the average remaining lifetime: District of Columbia
CA-2. Life table for males: California	FL-1. Life table for the total population: Florida
CA-3. Life table for females: California	FL-2. Life table for males: Florida
CA-4. Life table for the white population: California	FL-3. Life table for females: Florida
CA-5. Life table for white males: California	FL-4. Life table for the white population: Florida
CA-6. Life table for white females: California	FL-5. Life table for white males: Florida
CA-7. Life table for the black population: California	FL-6. Life table for white females: Florida
CA-8. Life table for black males: California	FL-7. Life table for the black population: Florida
CA-9. Life table for black females: California	FL-8. Life table for black males: Florida
CA-10. Standard errors of the probability of dying: California	

- FL-9. Life table for black females: Florida
- FL-10. Standard errors of the probability of dying: Florida
- FL-11. Standard errors of the average remaining lifetime: Florida
- GA-1. Life table for the total population: Georgia
- GA-2. Life table for males: Georgia
- GA-3. Life table for females: Georgia
- GA-4. Life table for the white population: Georgia
- GA-5. Life table for white males: Georgia
- GA-6. Life table for white females: Georgia
- GA-7. Life table for the black population: Georgia
- GA-8. Life table for black males: Georgia
- GA-9. Life table for black females: Georgia
- GA-10. Standard errors of the probability of dying: Georgia
- GA-11. Standard errors of the average remaining lifetime: Georgia
- HI-1. Life table for the total population: Hawaii
- HI-2. Life table for males: Hawaii
- HI-3. Life table for females: Hawaii
- HI-4. Life table for the white population: Hawaii
- HI-5. Life table for white males: Hawaii
- HI-6. Life table for white females: Hawaii
- HI-7. Life table for the black population: Hawaii
- HI-8. Life table for black males: Hawaii
- HI-9. Life table for black females: Hawaii
- HI-10. Standard errors of the probability of dying: Hawaii
- HI-11. Standard errors of the average remaining lifetime: Hawaii
- ID-1. Life table for the total population: Idaho
- ID-2. Life table for males: Idaho
- ID-3. Life table for females: Idaho
- ID-4. Life table for the white population: Idaho
- ID-5. Life table for white males: Idaho
- ID-6. Life table for white females: Idaho
- ID-7. Life table for the black population: Idaho
- ID-8. Life table for black males: Idaho
- ID-9. Life table for black females: Idaho
- ID-10. Standard errors of the probability of dying: Idaho
- ID-11. Standard errors of the average remaining lifetime: Idaho
- IL-1. Life table for the total population: Illinois
- IL-2. Life table for males: Illinois
- IL-3. Life table for females: Illinois
- IL-4. Life table for the white population: Illinois
- IL-5. Life table for white males: Illinois
- IL-6. Life table for white females: Illinois
- IL-7. Life table for the black population: Illinois
- IL-8. Life table for black males: Illinois
- IL-9. Life table for black females: Illinois
- IL-10. Standard errors of the probability of dying: Illinois
- IL-11. Standard errors of the average remaining lifetime: Illinois
- IN-1. Life table for the total population: Indiana
- IN-2. Life table for males: Indiana
- IN-3. Life table for females: Indiana
- IN-4. Life table for the white population: Indiana
- IN-5. Life table for white males: Indiana
- IN-6. Life table for white females: Indiana
- IN-7. Life table for the black population: Indiana
- IN-8. Life table for black males: Indiana
- IN-9. Life table for black females: Indiana
- IN-10. Standard errors of the probability of dying: Indiana
- IN-11. Standard errors of the average remaining lifetime: Indiana
- IA-1. Life table for the total population: Iowa
- IA-2. Life table for males: Iowa
- IA-3. Life table for females: Iowa
- IA-4. Life table for the white population: Iowa
- IA-5. Life table for white males: Iowa
- IA-6. Life table for white females: Iowa
- IA-7. Life table for the black population: Iowa
- IA-8. Life table for black males: Iowa
- IA-9. Life table for black females: Iowa
- IA-10. Standard errors of the probability of dying: Iowa
- IA-11. Standard errors of the average remaining lifetime: Iowa
- KS-1. Life table for the total population: Kansas
- KS-2. Life table for males: Kansas
- KS-3. Life table for females: Kansas
- KS-4. Life table for the white population: Kansas
- KS-5. Life table for white males: Kansas
- KS-6. Life table for white females: Kansas
- KS-7. Life table for the black population: Kansas
- KS-8. Life table for black males: Kansas
- KS-9. Life table for black females: Kansas
- KS-10. Standard errors of the probability of dying: Kansas
- KS-11. Standard errors of the average remaining lifetime: Kansas
- KY-1. Life table for the total population: Kentucky
- KY-2. Life table for males: Kentucky
- KY-3. Life table for females: Kentucky
- KY-4. Life table for the white population: Kentucky
- KY-5. Life table for white males: Kentucky
- KY-6. Life table for white females: Kentucky
- KY-7. Life table for the black population: Kentucky
- KY-8. Life table for black males: Kentucky
- KY-9. Life table for black females: Kentucky
- KY-10. Standard errors of the probability of dying: Kentucky
- KY-11. Standard errors of the average remaining lifetime: Kentucky
- LA-1. Life table for the total population: Louisiana
- LA-2. Life table for males: Louisiana
- LA-3. Life table for females: Louisiana
- LA-4. Life table for the white population: Louisiana
- LA-5. Life table for white males: Louisiana
- LA-6. Life table for white females: Louisiana
- LA-7. Life table for the black population: Louisiana
- LA-8. Life table for black males: Louisiana
- LA-9. Life table for black females: Louisiana
- LA-10. Standard errors of the probability of dying: Louisiana
- LA-11. Standard errors of the average remaining lifetime: Louisiana
- ME-1. Life table for the total population: Maine
- ME-2. Life table for males: Maine
- ME-3. Life table for females: Maine
- ME-4. Life table for the white population: Maine
- ME-5. Life table for white males: Maine
- ME-6. Life table for white females: Maine
- ME-7. Life table for the black population: Maine
- ME-8. Life table for black males: Maine
- ME-9. Life table for black females: Maine
- ME-10. Standard errors of the probability of dying: Maine
- ME-11. Standard errors of the average remaining lifetime: Maine
- MD-1. Life table for the total population: Maryland
- MD-2. Life table for males: Maryland
- MD-3. Life table for females: Maryland

- MD-4.** Life table for the white population: Maryland
- MD-5.** Life table for white males: Maryland
- MD-6.** Life table for white females: Maryland
- MD-7.** Life table for the black population: Maryland
- MD-8.** Life table for black males: Maryland
- MD-9.** Life table for black females: Maryland
- MD-10.** Standard errors of the probability of dying: Maryland
- MD-11.** Standard errors of the average remaining lifetime: Maryland
- MA-1.** Life table for the total population: Massachusetts
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- MA-3.** Life table for females: Massachusetts
- MA-4.** Life table for the white population: Massachusetts
- MA-5.** Life table for white males: Massachusetts
- MA-6.** Life table for white females: Massachusetts
- MA-7.** Life table for the black population: Massachusetts
- MA-8.** Life table for black males: Massachusetts
- MA-9.** Life table for black females: Massachusetts
- MA-10.** Standard errors of the probability of dying: Massachusetts
- MA-11.** Standard errors of the average remaining lifetime: Massachusetts
- MI-1.** Life table for the total population: Michigan
- MI-2.** Life table for males: Michigan
- MI-3.** Life table for females: Michigan
- MI-4.** Life table for the white population: Michigan
- MI-5.** Life table for white males: Michigan
- MI-6.** Life table for white females: Michigan
- MI-7.** Life table for the black population: Michigan
- MI-8.** Life table for black males: Michigan
- MI-9.** Life table for black females: Michigan
- MI-10.** Standard errors of the probability of dying: Michigan
- MI-11.** Standard errors of the average remaining lifetime: Michigan
- MN-1.** Life table for the total population: Minnesota
- MN-2.** Life table for males: Minnesota
- MN-3.** Life table for females: Minnesota
- MN-4.** Life table for the white population: Minnesota
- MN-5.** Life table for white males: Minnesota
- MN-6.** Life table for white females: Minnesota
- MN-7.** Life table for the black population: Minnesota
- MN-8.** Life table for black males: Minnesota
- MN-9.** Life table for black females: Minnesota
- MN-10.** Standard errors of the probability of dying: Minnesota
- MN-11.** Standard errors of the average remaining lifetime: Minnesota
- MS-1.** Life table for the total population: Mississippi
- MS-2.** Life table for males: Mississippi
- MS-3.** Life table for females: Mississippi
- MS-4.** Life table for the white population: Mississippi
- MS-5.** Life table for white males: Mississippi
- MS-6.** Life table for white females: Mississippi
- MS-7.** Life table for the black population: Mississippi
- MS-8.** Life table for black males: Mississippi
- MS-9.** Life table for black females: Mississippi
- MS-10.** Standard errors of the probability of dying: Mississippi
- MS-11.** Standard errors of the average remaining lifetime: Mississippi
- MO-1.** Life table for the total population: Missouri
- MO-2.** Life table for males: Missouri
- MO-3.** Life table for females: Missouri
- MO-4.** Life table for the white population: Missouri
- MO-5.** Life table for white males: Missouri
- MO-6.** Life table for white females: Missouri
- MO-7.** Life table for the black population: Missouri
- MO-8.** Life table for black males: Missouri
- MO-9.** Life table for black females: Missouri
- MO-10.** Standard errors of the probability of dying: Missouri
- MO-11.** Standard errors of the average remaining lifetime: Missouri
- MT-1.** Life table for the total population: Montana
- MT-2.** Life table for males: Montana
- MT-3.** Life table for females: Montana
- MT-4.** Life table for the white population: Montana
- MT-5.** Life table for white males: Montana
- MT-6.** Life table for white females: Montana
- MT-7.** Life table for the black population: Montana
- MT-8.** Life table for black males: Montana
- MT-9.** Life table for black females: Montana
- MT-10.** Standard errors of the probability of dying: Montana
- MT-11.** Standard errors of the average remaining lifetime: Montana
- NE-1.** Life table for the total population: Nebraska
- NE-2.** Life table for males: Nebraska
- NE-3.** Life table for females: Nebraska
- NE-4.** Life table for the white population: Nebraska
- NE-5.** Life table for white males: Nebraska
- NE-6.** Life table for white females: Nebraska
- NE-7.** Life table for the black population: Nebraska
- NE-8.** Life table for black males: Nebraska
- NE-9.** Life table for black females: Nebraska
- NE-10.** Standard errors of the probability of dying: Nebraska
- NE-11.** Standard errors of the average remaining lifetime: Nebraska
- NV-1.** Life table for the total population: Nevada
- NV-2.** Life table for males: Nevada
- NV-3.** Life table for females: Nevada
- NV-4.** Life table for the white population: Nevada
- NV-5.** Life table for white males: Nevada
- NV-6.** Life table for white females: Nevada
- NV-7.** Life table for the black population: Nevada
- NV-8.** Life table for black males: Nevada
- NV-9.** Life table for black females: Nevada
- NV-10.** Standard errors of the probability of dying: Nevada
- NV-11.** Standard errors of the average remaining lifetime: Nevada
- NH-1.** Life table for the total population: New Hampshire
- NH-2.** Life table for males: New Hampshire
- NH-3.** Life table for females: New Hampshire
- NH-4.** Life table for the white population: New Hampshire
- NH-5.** Life table for white males: New Hampshire
- NH-6.** Life table for white females: New Hampshire
- NH-7.** Life table for the black population: New Hampshire
- NH-8.** Life table for black males: New Hampshire
- NH-9.** Life table for black females: New Hampshire
- NH-10.** Standard errors of the probability of dying: New Hampshire
- NH-11.** Standard errors of the average remaining lifetime: New Hampshire
- NJ-1.** Life table for the total population: New Jersey
- NJ-2.** Life table for males: New Jersey
- NJ-3.** Life table for females: New Jersey
- NJ-4.** Life table for the white population: New Jersey
- NJ-5.** Life table for white males: New Jersey
- NJ-6.** Life table for white females: New Jersey
- NJ-7.** Life table for the black population: New Jersey
- NJ-8.** Life table for black males: New Jersey

- NJ-9.** Life table for black females: New Jersey
NJ-10. Standard errors of the probability of dying: New Jersey
NJ-11. Standard errors of the average remaining lifetime: New Jersey
NM-1. Life table for the total population: New Mexico
NM-2. Life table for males: New Mexico
NM-3. Life table for females: New Mexico
NM-4. Life table for the white population: New Mexico
NM-5. Life table for white males: New Mexico
NM-6. Life table for white females: New Mexico
NM-7. Life table for the black population: New Mexico
NM-8. Life table for black males: New Mexico
NM-9. Life table for black females: New Mexico
NM-10. Standard errors of the probability of dying: New Mexico
NM-11. Standard errors of the average remaining lifetime: New Mexico
NY-1. Life table for the total population: New York
NY-2. Life table for males: New York
NY-3. Life table for females: New York
NY-4. Life table for the white population: New York
NY-5. Life table for white males: New York
NY-6. Life table for white females: New York
NY-7. Life table for the black population: New York
NY-8. Life table for black males: New York
NY-9. Life table for black females: New York
NY-10. Standard errors of the probability of dying: New York
NY-11. Standard errors of the average remaining lifetime: New York
NC-1. Life table for the total population: North Carolina
NC-2. Life table for males: North Carolina
NC-3. Life table for females: North Carolina
NC-4. Life table for the white population: North Carolina
NC-5. Life table for white males: North Carolina
NC-6. Life table for white females: North Carolina
NC-7. Life table for the black population: North Carolina
NC-8. Life table for black males: North Carolina
NC-9. Life table for black females: North Carolina
NC-10. Standard errors of the probability of dying: North Carolina
NC-11. Standard errors of the average remaining lifetime: North Carolina
ND-1. Life table for the total population: North Dakota
ND-2. Life table for males: North Dakota
ND-3. Life table for females: North Dakota
ND-4. Life table for the white population: North Dakota
ND-5. Life table for white males: North Dakota
ND-6. Life table for white females: North Dakota
ND-7. Life table for the black population: North Dakota
ND-8. Life table for black males: North Dakota
ND-9. Life table for black females: North Dakota
ND-10. Standard errors of the probability of dying: North Dakota
ND-11. Standard errors of the average remaining lifetime: North Dakota
OH-1. Life table for the total population: Ohio
OH-2. Life table for males: Ohio
OH-3. Life table for females: Ohio
OH-4. Life table for the white population: Ohio
OH-5. Life table for white males: Ohio
OH-6. Life table for white females: Ohio
OH-7. Life table for the black population: Ohio
OH-8. Life table for black males: Ohio
OH-9. Life table for black females: Ohio
OH-10. Standard errors of the probability of dying: Ohio
OH-11. Standard errors of the average remaining lifetime: Ohio
OK-1. Life table for the total population: Oklahoma
OK-2. Life table for males: Oklahoma
OK-3. Life table for females: Oklahoma
OK-4. Life table for the white population: Oklahoma
OK-5. Life table for white males: Oklahoma
OK-6. Life table for white females: Oklahoma
OK-7. Life table for the black population: Oklahoma
OK-8. Life table for black males: Oklahoma
OK-9. Life table for black females: Oklahoma
OK-10. Standard errors of the probability of dying: Oklahoma
OK-11. Standard errors of the average remaining lifetime: Oklahoma
OR-1. Life table for the total population: Oregon
OR-2. Life table for males: Oregon
OR-3. Life table for females: Oregon
OR-4. Life table for the white population: Oregon
OR-5. Life table for white males: Oregon
OR-6. Life table for white females: Oregon
OR-7. Life table for the black population: Oregon
OR-8. Life table for black males: Oregon
OR-9. Life table for black females: Oregon
OR-10. Standard errors of the probability of dying: Oregon
OR-11. Standard errors of the average remaining lifetime: Oregon
PA-1. Life table for the total population: Pennsylvania
PA-2. Life table for males: Pennsylvania
PA-3. Life table for females: Pennsylvania
PA-4. Life table for the white population: Pennsylvania
PA-5. Life table for white males: Pennsylvania
PA-6. Life table for white females: Pennsylvania
PA-7. Life table for the black population: Pennsylvania
PA-8. Life table for black males: Pennsylvania
PA-9. Life table for black females: Pennsylvania
PA-10. Standard errors of the probability of dying: Pennsylvania
PA-11. Standard errors of the average remaining lifetime: Pennsylvania
RI-1. Life table for the total population: Rhode Island
RI-2. Life table for males: Rhode Island
RI-3. Life table for females: Rhode Island
RI-4. Life table for the white population: Rhode Island
RI-5. Life table for white males: Rhode Island
RI-6. Life table for white females: Rhode Island
RI-7. Life table for the black population: Rhode Island
RI-8. Life table for black males: Rhode Island
RI-9. Life table for black females: Rhode Island
RI-10. Standard errors of the probability of dying: Rhode Island
RI-11. Standard errors of the average remaining lifetime: Rhode Island
SC-1. Life table for the total population: South Carolina
SC-2. Life table for males: South Carolina
SC-3. Life table for females: South Carolina
SC-4. Life table for the white population: South Carolina
SC-5. Life table for white males: South Carolina
SC-6. Life table for white females: South Carolina
SC-7. Life table for the black population: South Carolina
SC-8. Life table for black males: South Carolina
SC-9. Life table for black females: South Carolina
SC-10. Standard errors of the probability of dying: South Carolina
SC-11. Standard errors of the average remaining lifetime: South Carolina
SD-1. Life table for the total population: South Dakota
SD-2. Life table for males: South Dakota
SD-3. Life table for females: South Dakota

- SD-4.** Life table for the white population: South Dakota
- SD-5.** Life table for white males: South Dakota
- SD-6.** Life table for white females: South Dakota
- SD-7.** Life table for the black population: South Dakota
- SD-8.** Life table for black males: South Dakota
- SD-9.** Life table for black females: South Dakota
- SD-10.** Standard errors of the probability of dying: South Dakota
- SD-11.** Standard errors of the average remaining lifetime: South Dakota
- TN-1.** Life table for the total population: Tennessee
- TN-2.** Life table for males: Tennessee
- TN-3.** Life table for females: Tennessee
- TN-4.** Life table for the white population: Tennessee
- TN-5.** Life table for white males: Tennessee
- TN-6.** Life table for white females: Tennessee
- TN-7.** Life table for the black population: Tennessee
- TN-8.** Life table for black males: Tennessee
- TN-9.** Life table for black females: Tennessee
- TN-10.** Standard errors of the probability of dying: Tennessee
- TN-11.** Standard errors of the average remaining lifetime: Tennessee
- TX-1.** Life table for the total population: Texas
- TX-2.** Life table for males: Texas
- TX-3.** Life table for females: Texas
- TX-4.** Life table for the white population: Texas
- TX-5.** Life table for white males: Texas
- TX-6.** Life table for white females: Texas
- TX-7.** Life table for the black population: Texas
- TX-8.** Life table for black males: Texas
- TX-9.** Life table for black females: Texas
- TX-10.** Standard errors of the probability of dying: Texas
- TX-11.** Standard errors of the average remaining lifetime: Texas
- UT-1.** Life table for the total population: Utah
- UT-2.** Life table for males: Utah
- UT-3.** Life table for females: Utah
- UT-4.** Life table for the white population: Utah
- UT-5.** Life table for white males: Utah
- UT-6.** Life table for white females: Utah
- UT-7.** Life table for the black population: Utah
- UT-8.** Life table for black males: Utah
- UT-9.** Life table for black females: Utah
- UT-10.** Standard errors of the probability of dying: Utah
- UT-11.** Standard errors of the average remaining lifetime: Utah
- VT-1.** Life table for the total population: Vermont
- VT-2.** Life table for males: Vermont
- VT-3.** Life table for females: Vermont
- VT-4.** Life table for the white population: Vermont
- VT-5.** Life table for white males: Vermont
- VT-6.** Life table for white females: Vermont
- VT-7.** Life table for the black population: Vermont
- VT-8.** Life table for black males: Vermont
- VT-9.** Life table for black females: Vermont
- VT-10.** Standard errors of the probability of dying: Vermont
- VT-11.** Standard errors of the average remaining lifetime: Vermont
- VA-1.** Life table for the total population: Virginia
- VA-2.** Life table for males: Virginia
- VA-3.** Life table for females: Virginia
- VA-4.** Life table for the white population: Virginia
- VA-5.** Life table for white males: Virginia
- VA-6.** Life table for white females: Virginia
- VA-7.** Life table for the black population: Virginia
- VA-8.** Life table for black males: Virginia
- VA-9.** Life table for black females: Virginia
- VA-10.** Standard errors of the probability of dying: Virginia
- VA-11.** Standard errors of the average remaining lifetime: Virginia
- WA-1.** Life table for the total population: Washington
- WA-2.** Life table for males: Washington
- WA-3.** Life table for females: Washington
- WA-4.** Life table for the white population: Washington
- WA-5.** Life table for white males: Washington
- WA-6.** Life table for white females: Washington
- WA-7.** Life table for the black population: Washington
- WA-8.** Life table for black males: Washington
- WA-9.** Life table for black females: Washington
- WA-10.** Standard errors of the probability of dying: Washington
- WA-11.** Standard errors of the average remaining lifetime: Washington
- WV-1.** Life table for the total population: West Virginia
- WV-2.** Life table for males: West Virginia
- WV-3.** Life table for females: West Virginia
- WV-4.** Life table for the white population: West Virginia
- WV-5.** Life table for white males: West Virginia
- WV-6.** Life table for white females: West Virginia
- WV-7.** Life table for the black population: West Virginia
- WV-8.** Life table for black males: West Virginia
- WV-9.** Life table for black females: West Virginia
- WV-10.** Standard errors of the probability of dying: West Virginia
- WV-11.** Standard errors of the average remaining lifetime: West Virginia
- WI-1.** Life table for the total population: Wisconsin
- WI-2.** Life table for males: Wisconsin
- WI-3.** Life table for females: Wisconsin
- WI-4.** Life table for the white population: Wisconsin
- WI-5.** Life table for white males: Wisconsin
- WI-6.** Life table for white females: Wisconsin
- WI-7.** Life table for the black population: Wisconsin
- WI-8.** Life table for black males: Wisconsin
- WI-9.** Life table for black females: Wisconsin
- WI-10.** Standard errors of the probability of dying: Wisconsin
- WI-11.** Standard errors of the average remaining lifetime: Wisconsin
- WY-1.** Life table for the total population: Wyoming
- WY-2.** Life table for males: Wyoming
- WY-3.** Life table for females: Wyoming
- WY-4.** Life table for the white population: Wyoming
- WY-5.** Life table for white males: Wyoming
- WY-6.** Life table for white females: Wyoming
- WY-7.** Life table for the black population: Wyoming
- WY-8.** Life table for black males: Wyoming
- WY-9.** Life table for black females: Wyoming
- WY-10.** Standard errors of the probability of dying: Wyoming
- WY-11.** Standard errors of the average remaining lifetime: Wyoming



This report is dedicated to the memory of Dr. Lester R. "Randy" Curtin (1951–2012).

**U.S. DEPARTMENT OF
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Centers for Disease Control and Prevention
National Center for Health Statistics
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Hyattsville, MD 20782

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Contents

Abstract	1
Introduction	1
Data and Methods	1
Explanation of life table and standard error table columns	2
Results and Discussion	3
Life tables for the 50 states and District of Columbia	3
References	9
List of Detailed Tables	9
Technical Notes	52

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National Center for Health Statistics

Edward J. Sondik, Ph.D., *Director*
Jennifer H. Madans, Ph.D., *Associate Director
for Science*

Division of Vital Statistics

Charles J. Rothwell, M.S., *Director*

Office of Research and Methodology

Nathaniel Schenker, Ph.D., *Director*

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