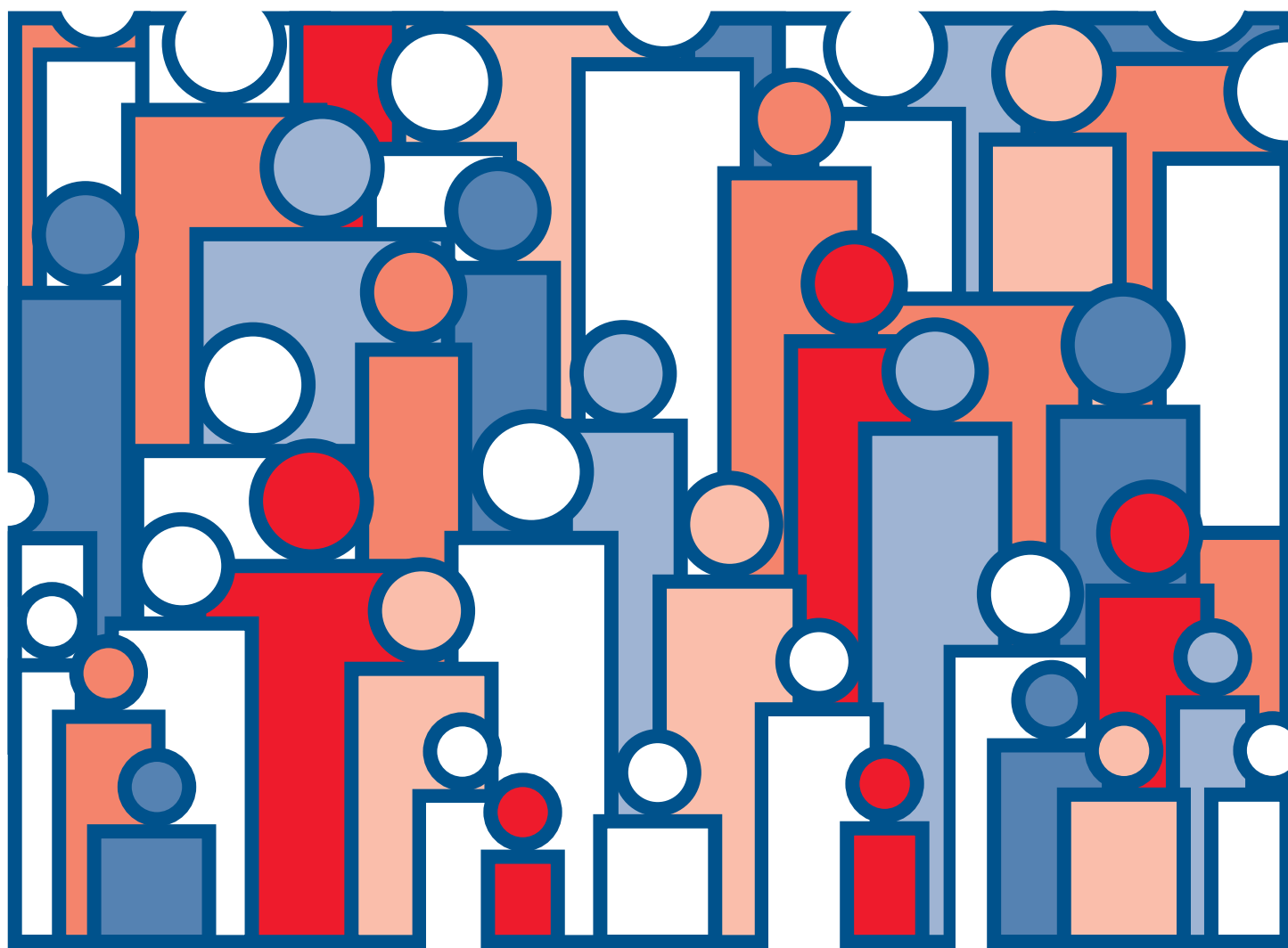




# U.S. Decennial Life Tables for 1989-91

Volume II, State Life Tables Number 27, Montana

From the CENTERS FOR DISEASE CONTROL AND PREVENTION/National Center for Health Statistics



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Centers for Disease Control and Prevention  
National Center for Health Statistics



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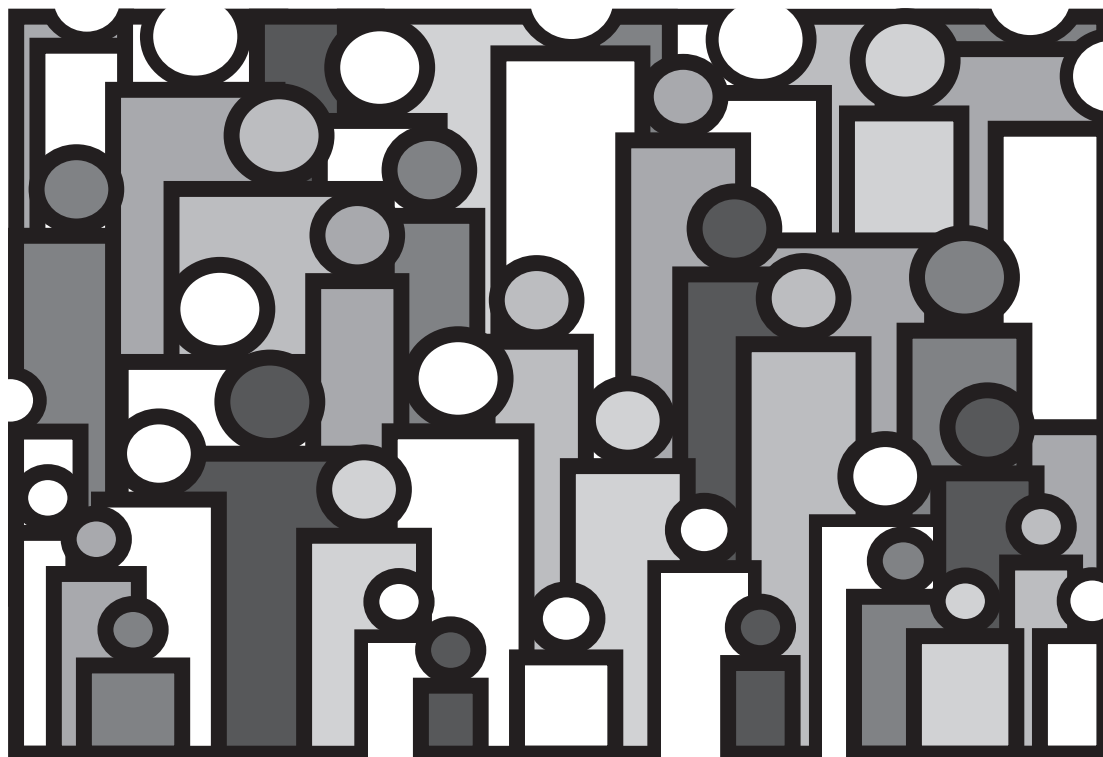
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# U.S. Decennial Life Tables for 1989-91

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Volume II, State Life Tables Number 27, Montana



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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Centers for Disease Control and Prevention  
National Center for Health Statistics

Hyattsville, Maryland  
April 1998

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# Montana Life Tables: 1989–91

by Robert J. Armstrong, M.S.,  
Division of Vital Statistics

## Abstract

The life tables in this report are current life tables for Montana based on age-specific death rates for the period 1989–91. The death rates were calculated using data from the 1990 census of population and deaths occurring in the United States to residents of Montana in the 3 years 1989–91. Presented are tables for the white population, the population other than white, and the black population, separately by sex and for both sexes combined, and also for the total population and for total males and total females. Standard errors of the probability of dying and of life expectancy are also provided.

## Introduction

The life tables in this report are current life tables for Montana based on age-specific death rates for the period 1989–91. With the exception of those for ages 95 years and over (and to a lesser extent those for ages 85–94 years), the death rates were calculated using data from the 1990 census of population and deaths occurring in the United States to residents of Montana in the 3 years 1989–91. Other publications in this decennial series present life tables for the United States and the other individual States. Generally, these reports show life tables calculated for the white population, the population other than white, and the black population separately by sex and for both sexes combined. Each of these reports also shows life tables for the total population, for total males, and for total females. Standard errors of the probability of dying and of life expectancy are also provided. However, life tables for the population other than white and for the black population in a State are not published when the total number of deaths for either males or females during the 3-year period is less than 700.

These life tables are the most recent in a series for the States that began with the 1939–41 period. Each of the tables in the series is based on a census of population and deaths in a 3-year period centered on the census year. Because State life tables are not currently produced on an annual basis, the decennial life tables are the only source of State life expectancy data available at the National Center for Health Statistics (NCHS).

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**Keywords:** Montana • decennial life tables • 1989–91 • life expectancy

This report is 1 of 51 reports containing life tables for the individual States and the District of Columbia. A separate report describes the methods and formulas by which these life tables were prepared in *U.S. Decennial Life Tables for 1989–91, Volume I, Number 2, Methodology of the National and State Life Tables (1)*.

## Methodology

The general methodology, with a few modifications, used in preparing these life tables was developed by Thomas N. E. Greville for the 1939–41 decennial life tables (2). The life tables are based on a complete count of deaths to residents of Montana that occurred anywhere in the United States during the 3 years of 1989, 1990, and 1991 and on the 1990 census of population for Montana. However, sometimes the observed death rates that these data produced did not meet certain well-established criteria, such as steadily increasing mortality with increasing age. For example, when the pattern of age-specific death rates at some ages was jagged rather than smooth or when the rates by race or sex were inconsistent, the observed death rates were adjusted slightly by moving deaths from one age group to another within the race-sex group. The total number of deaths in a race-sex group was never changed. Certain other adjustments were made. In accordance with standard practice, deaths for which age was not stated were allocated proportionately among the various age groups.

The population data used differ from the official data published by the U.S. Bureau of the Census because of age reporting problems in the 1990 census. Age was based on the respondents' direct reports of age at last birthday in the 1990 census. It was apparent that many respondents had reported their age at either the time of completion of the census form or at the time of the interview by an enumerator, which could have occurred several months after the April 1 reference date. As a result, reported age was biased upward and had to be modified.

Between the ages of 5 and 94 years, death rates were calculated using the total number of deaths in 1989–91 and 3 times the population shown in the 1990 census. However, since population counts at ages under 2 years are considered to be less reliable than those at other ages, life-table values at ages under 2 years were derived from the reported numbers of births for each of the years 1987 to 1991. At ages 2–4 years, the denominator of the death rates used the populations at ages

$x-1$ ,  $x$ , and  $x+1$  (instead of 3 times the population at age  $x$ ). Death rates at ages 95 years and over, where the data from the census and from registered deaths are scanty and the accuracy of the reporting of age is not as good as at younger ages, are based on data from the Medicare program. However, when the data from the Medicare program were judged to be unreliable (usually after age 97), an algorithm was used to produce the death rates. The new algorithm, which differed from the one used for the 1979–81 decennial life tables, incremented the death rates more rapidly resulting in lower life expectancies at the extreme ages than in the previous reports. The rates based on the Medicare program and on the algorithm are differentiated by race and sex but not by State, so the same rates are used for each State. As a consequence, the probabilities of dying and the life expectancies at ages 85 years and over may fail to adequately reflect variation in mortality among the States, but such variation is in general smaller than differences associated with race and sex. Death rates at ages 85–94 years were adjusted to provide a smooth transition between the death rates based on the census and registered deaths and those derived from the Medicare program.

The population and death statistics at ages under 85 years are known to be subject to reporting errors, but these were not considered to be serious enough to require adjustment prior to the calculation of the life tables. In some instances, fluctuations due to small numbers of deaths produced anomalous life-tables values, which were eliminated by minor redistribution of deaths by age. For a complete description of the methodology used in preparing these life tables, see *U.S. Decennial Life Tables for 1989–91, Volume I, Number 2, Methodology of the National and State Life Tables* (1).

## Results and discussion

The life tables in this report are current life tables and are based on age-specific death rates for the period 1989–91. They may also be characterized as “cross-sectional.” They assume that a hypothetical cohort is traced from birth until the death of the last survivor and that it is subject throughout its existence to the age-specific death rates observed for 1989–91. For example, [table 3](#) is a life table for females. This table shows the progression of a cohort starting with 100,000 live births who were subjected to the average annual death rates observed among females in Montana in the 3-year period 1989–91 during its passage through successive years of age.

Column 7 of [table 3](#) shows the average number of years of life remaining to those in the cohort who attain each birthday. This average remaining lifetime is commonly called the expectation of life, and the expectation of life at birth is frequently used as a measure of comparative longevity. According to the 1989–91 life tables for Montana, the expectation of life at birth is 73.05 years for total males and 79.49 for total females. Among the 50 States and the District of Columbia in the expectation of life at birth for the total population, Montana ranks 20th.

The ranking table shows the average lifetime (or expectation of life at birth) by race and sex for the population of the

United States, each State, and the District of Columbia. The States are ranked using the life expectancy at birth for the total population of the State.

These life tables are based on a complete count of resident deaths in Montana during the 3 years 1989, 1990, and 1991. 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 standard errors shown in this report reflect random error only, not other errors such as misreporting of age on death certificates or in the census.

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 standard errors of these two measures are also presented. Standard errors can be used to develop confidence intervals within which the “point estimates” are believed to lie. Standard errors of the probability of dying and of life expectancy contain six and three decimal places, respectively, and are shown in [tables 7](#) and [8](#). In both cases, the standard errors contain one place more than the corresponding variable in the life tables. In computing confidence intervals, the limits are rounded to the same number of decimal places that the variable has in the life table.

Even though 68-percent confidence intervals are rarely used because of their high degree of uncertainty, they are shown here to demonstrate the method of construction of confidence intervals. To obtain a 68-percent confidence interval 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 standard error from the table that gives the standard errors of the probability of dying ([table 7](#)). The 95-percent confidence interval is obtained by adding and subtracting two standard errors. For example, the probability that a 50-year-old white female will die before her 51st birthday is 0.00304 with a standard error of 0.000522. Therefore the 68-percent confidence interval is from 0.00252 to 0.00356 and the 95-percent confidence interval is from 0.00200 to 0.00408. The life expectancy of a 50 year-old white female is 32.17 years with a standard error of 0.113 years. The 68-percent confidence interval for the life expectancy is therefore from 32.06 to 32.28 years and the 95-percent confidence interval is from 31.94 to 32.40 years.

## Explanation of the columns of the life table

*Column 1—Age interval ( $x$  to  $x+1$ )*—The age interval shown in column 1 is the interval of 1 year between the two exact ages indicated. For instance, “21–22” indicates the interval between the 21st birthday and the 22d, in other words, the 22d year of life.

*Column 2—Proportion dying ( $q_x$ )*—This column 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 the next birthday on the basis of the mortality rates of



1989–91 in Montana. For example, for females who reach age 21, the proportion dying before reaching their 22d birthday is 0.00081—out of every 1,000 female babies surviving to age 21, 0.81 will die before reaching their 22d birthday.

*Column 3—Number surviving ( $l_x$ )*—This column 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 3](#), 99,214 will complete the first year of life and enter the second, 98,512 will reach age 21, and 71,038 will live to age 75.

*Column 4—Number dying ( $d_x$ )*—This column shows the number dying in each successive age interval out of 100,000 live births. Thus out of 100,000 females born alive, 786 will die in the first year of life, 80 in the 22d year, and 2,125 in the 76th year. Each figure in column 4 is the difference between two successive figures in column 3.

*Columns 5 and 6—Stationary population ( $L_x$  and  $T_x$ )*—Suppose that a group of 100,000 persons like that assumed in columns 3 and 4 is 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 survivors of these births would constitute what is called a stationary population, because in such a population the number of persons living in any given age interval would never change. When an individual left an age interval, whether by death or growing older and entering the next higher age interval, his 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, will 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 will die each year in that year of age interval.

Column 5,  $L_x$ , shows the number of persons in the stationary population in the indicated year of age. For example, the figure shown in [table 3](#) for the year of age 21–22 is 98,473. This means that in a stationary population supported by

100,000 annual births, and with proportions dying in each age interval always in accordance with column 2, a census taken on any date would show 98,473 persons at age 21 (that is, between exact ages 21 and 22 years).

Column 6,  $T_x$ , 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 females described in the preceding paragraph, column 6 shows that there would be at any given moment a total of 5,871,372 persons who had reached their 21st birthday. The population at all ages 0 and above (in other words, the total female population of the stationary community) would be 7,949,426.

*Column 7—Average remaining lifetime ( ${}^e_x$ )*—The average remaining lifetime (also called expectation of life) at any given age is the average number of years remaining to be lived by those surviving to that age, on the basis of a given set of age-specific rates of dying. In order to 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 98,473 for females in Montana in the year of age 21–22 is the total number of years of life lived between their 21st and 22d birthdays by the 98,512 (column 3) who reached their 21st birthday out of the original cohort of 100,000 females born alive. The corresponding figure (5,871,372) in column 6 is the total number of years lived after attaining age 21 by the 98,512 reaching that exact age. This number of years divided by the number of persons (5,871,372 divided by 98,512) gives 59.60 years as the average remaining lifetime at age 21 for females in Montana.

## References

1. U.S. decennial life tables for 1989–91, volume I, number 2, methodology of the national and State life tables. In progress.
2. Greville, TNE. United States life tables and actuarial tables, 1939–41. Washington: U.S. Government Printing Office. 1947.

Average lifetime in years by race and sex: United States and each State in rank order, 1989-91

| Rank | Area                 | Total      |       |        | White      |       |        | All other  |       |        |            |       |        |
|------|----------------------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
|      |                      |            |       |        |            |       |        | Total      |       |        | Black      |       |        |
|      |                      | Both sexes | Male  | Female | Both sexes | Male  | Female | Both sexes | Male  | Female | Both sexes | Male  | Female |
| 1    | Hawaii               | 78.21      | 75.37 | 81.26  | 77.92      | 75.12 | 81.09  | 78.40      | 75.49 | 81.48  | *          | *     | *      |
| 2    | Minnesota            | 77.76      | 74.53 | 80.85  | 77.97      | 74.78 | 81.02  | 73.05      | 69.46 | 76.80  | *          | *     | *      |
| 3    | Utah                 | 77.70      | 74.93 | 80.38  | 77.77      | 75.00 | 80.44  | *          | *     | *      | *          | *     | *      |
| 4    | North Dakota         | 77.62      | 74.35 | 80.99  | 77.99      | 74.74 | 81.32  | *          | *     | *      | *          | *     | *      |
| 5    | Iowa                 | 77.29      | 73.89 | 80.54  | 77.38      | 73.98 | 80.62  | *          | *     | *      | *          | *     | *      |
| 6    | Colorado             | 76.96      | 73.79 | 80.01  | 77.06      | 73.88 | 80.13  | 75.71      | 72.63 | 78.61  | 72.41      | 68.96 | 75.89  |
| 7    | Nebraska             | 76.92      | 73.57 | 80.17  | 77.21      | 73.87 | 80.44  | 71.14      | 67.64 | 74.52  | *          | *     | *      |
| 8    | Connecticut          | 76.91      | 73.62 | 79.97  | 77.44      | 74.25 | 80.37  | 72.31      | 67.82 | 76.61  | 70.84      | 66.04 | 75.44  |
| 8    | South Dakota         | 76.91      | 73.17 | 80.77  | 77.91      | 74.30 | 81.59  | *          | *     | *      | *          | *     | *      |
| 10   | Idaho                | 76.88      | 73.88 | 79.93  | 76.89      | 73.90 | 79.93  | *          | *     | *      | *          | *     | *      |
| 11   | Wisconsin            | 76.87      | 73.61 | 80.03  | 77.18      | 73.99 | 80.27  | 72.37      | 68.27 | 76.25  | 70.96      | 66.42 | 75.27  |
| 12   | Washington           | 76.82      | 73.84 | 79.74  | 76.92      | 73.97 | 79.81  | 76.09      | 72.72 | 79.59  | 71.34      | 67.91 | 75.58  |
| 13   | Kansas               | 76.76      | 73.40 | 79.99  | 77.06      | 73.72 | 80.25  | 72.77      | 69.25 | 76.26  | 71.22      | 67.48 | 75.04  |
| 14   | Massachusetts        | 76.72      | 73.32 | 79.80  | 76.90      | 73.54 | 79.95  | 75.08      | 71.29 | 78.60  | 72.45      | 68.17 | 76.50  |
| 14   | New Hampshire        | 76.72      | 73.52 | 79.77  | 76.68      | 73.48 | 79.74  | *          | *     | *      | *          | *     | *      |
| 16   | Rhode Island         | 76.54      | 73.00 | 79.77  | 76.80      | 73.31 | 79.97  | *          | *     | *      | *          | *     | *      |
| 16   | Vermont              | 76.54      | 73.29 | 79.68  | 76.50      | 73.25 | 79.65  | *          | *     | *      | *          | *     | *      |
| 18   | Oregon               | 76.44      | 73.21 | 79.67  | 76.51      | 73.28 | 79.73  | 75.24      | 72.02 | 78.45  | *          | *     | *      |
| 19   | Maine                | 76.35      | 72.98 | 79.61  | 76.35      | 72.98 | 79.61  | *          | *     | *      | *          | *     | *      |
| 20   | Montana              | 76.23      | 73.05 | 79.49  | 76.72      | 73.59 | 79.92  | *          | *     | *      | *          | *     | *      |
| 21   | Wyoming              | 76.21      | 73.16 | 79.29  | 76.34      | 73.27 | 79.46  | *          | *     | *      | *          | *     | *      |
| 22   | Arizona              | 76.10      | 72.66 | 79.58  | 76.42      | 73.04 | 79.84  | 72.76      | 68.89 | 76.81  | 70.84      | 67.20 | 74.90  |
| 23   | California           | 75.86      | 72.53 | 79.19  | 75.92      | 72.61 | 79.26  | 75.79      | 72.34 | 79.18  | 69.65      | 65.43 | 74.07  |
| 24   | Florida              | 75.84      | 72.10 | 79.60  | 76.82      | 73.19 | 80.46  | 69.82      | 65.40 | 74.19  | 68.77      | 64.26 | 73.28  |
| 25   | New Mexico           | 75.74      | 72.20 | 79.33  | 76.08      | 72.66 | 79.53  | 73.41      | 68.97 | 77.93  | *          | *     | *      |
| 26   | New Jersey           | 75.42      | 72.16 | 78.49  | 76.46      | 73.37 | 79.34  | 70.73      | 66.59 | 74.66  | 68.47      | 63.87 | 72.88  |
| 27   | Indiana              | 75.39      | 71.99 | 78.62  | 75.82      | 72.44 | 79.03  | 70.76      | 66.99 | 74.35  | 69.80      | 65.87 | 73.56  |
| 28   | Pennsylvania         | 75.38      | 71.91 | 78.66  | 76.15      | 72.81 | 79.28  | 69.34      | 64.69 | 73.78  | 68.27      | 63.33 | 73.02  |
|      | United States        | 75.37      | 71.83 | 78.81  | 76.13      | 72.72 | 79.45  | 71.25      | 66.97 | 75.39  | 69.16      | 64.47 | 73.73  |
| 29   | Ohio                 | 75.32      | 71.99 | 78.45  | 75.93      | 72.70 | 78.95  | 70.86      | 66.70 | 74.82  | 70.15      | 65.80 | 74.29  |
| 30   | Missouri             | 75.25      | 71.54 | 78.82  | 76.02      | 72.43 | 79.48  | 69.65      | 65.00 | 74.07  | 68.81      | 63.87 | 73.52  |
| 31   | Virginia             | 75.22      | 71.77 | 78.56  | 76.34      | 73.04 | 79.48  | 71.17      | 67.03 | 75.27  | 70.05      | 65.75 | 74.37  |
| 32   | Texas                | 75.14      | 71.41 | 78.87  | 75.75      | 72.08 | 79.42  | 71.25      | 67.08 | 75.38  | 69.79      | 65.36 | 74.23  |
| 33   | Oklahoma             | 75.10      | 71.63 | 78.49  | 75.21      | 71.76 | 78.59  | 74.81      | 71.17 | 78.21  | 70.85      | 67.10 | 74.48  |
| 34   | Michigan             | 75.04      | 71.71 | 78.24  | 76.18      | 73.06 | 79.14  | 69.22      | 64.68 | 73.65  | 68.49      | 63.68 | 73.18  |
| 35   | Illinois             | 74.90      | 71.34 | 78.31  | 76.16      | 72.83 | 79.33  | 69.25      | 64.58 | 73.79  | 67.46      | 62.41 | 72.39  |
| 36   | Alaska               | 74.83      | 71.60 | 78.60  | 75.83      | 72.82 | 79.40  | 71.67      | 67.65 | 76.17  | *          | *     | *      |
| 37   | Maryland             | 74.79      | 71.31 | 78.13  | 76.30      | 73.20 | 79.23  | 70.76      | 66.27 | 75.15  | 69.69      | 64.99 | 74.31  |
| 38   | Delaware             | 74.76      | 71.63 | 77.74  | 75.76      | 72.75 | 78.62  | 70.06      | 66.39 | 73.63  | 69.26      | 65.51 | 72.91  |
| 39   | New York             | 74.68      | 70.86 | 78.32  | 75.61      | 72.01 | 79.03  | 71.53      | 66.70 | 75.97  | 69.33      | 63.86 | 74.35  |
| 40   | North Carolina       | 74.48      | 70.58 | 78.27  | 75.89      | 72.21 | 79.44  | 69.83      | 64.96 | 74.55  | 69.38      | 64.38 | 74.24  |
| 41   | Kentucky             | 74.37      | 70.72 | 77.97  | 74.65      | 71.01 | 78.24  | 70.79      | 66.78 | 74.63  | 70.16      | 66.06 | 74.13  |
| 42   | Arkansas             | 74.33      | 70.54 | 78.13  | 75.20      | 71.54 | 78.89  | 69.63      | 64.87 | 74.13  | 68.93      | 64.03 | 73.58  |
| 43   | Tennessee            | 74.32      | 70.38 | 78.18  | 75.27      | 71.38 | 79.10  | 69.43      | 64.99 | 73.59  | 68.97      | 64.41 | 73.24  |
| 44   | West Virginia        | 74.26      | 70.53 | 77.93  | 74.37      | 70.66 | 78.02  | 71.20      | 66.77 | 75.46  | 69.75      | 65.00 | 74.36  |
| 45   | Nevada               | 74.18      | 70.96 | 77.76  | 74.44      | 71.26 | 77.99  | 72.74      | 69.15 | 76.42  | *          | *     | *      |
| 46   | Alabama              | 73.64      | 69.59 | 77.61  | 75.01      | 71.12 | 78.85  | 69.59      | 64.79 | 74.05  | 69.23      | 64.37 | 73.76  |
| 47   | Georgia              | 73.61      | 69.65 | 77.46  | 75.24      | 71.46 | 78.94  | 69.21      | 64.49 | 73.65  | 68.79      | 63.98 | 73.34  |
| 48   | South Carolina       | 73.51      | 69.59 | 77.34  | 75.33      | 71.62 | 78.97  | 69.09      | 64.37 | 73.57  | 68.82      | 64.07 | 73.35  |
| 49   | Louisiana            | 73.05      | 69.10 | 76.93  | 74.87      | 71.15 | 78.54  | 68.99      | 64.33 | 73.43  | 68.62      | 63.84 | 73.16  |
| 50   | Mississippi          | 73.03      | 68.90 | 77.10  | 74.78      | 70.74 | 78.82  | 69.54      | 64.84 | 73.91  | 69.41      | 64.66 | 73.82  |
| 51   | District Of Columbia | 67.99      | 61.97 | 74.23  | 76.09      | 71.36 | 81.06  | 64.97      | 58.14 | 72.03  | 64.44      | 57.53 | 71.61  |

\* Figure does not meet standards of reliability and precision.

## **Detailed tables**

**Table 1. Life table for the total population: Montana, 1989–91**

| Age<br>in years   | Proportion<br>dying   | Of 100,000<br>born alive                                     |  | Stationary<br>population    |   | Average<br>remaining lifetime   |
|---|---|--|--|-----------------------------|---|---|
|   |   | Number<br>living at<br>beginning of<br>year of<br>age<br>(3) | Number<br>dying<br>during<br>year of<br>age<br>(4) | In<br>year of<br>age<br>(5) | In this<br>year of age<br>and all<br>subsequent<br>years<br>(6) | Average<br>number of<br>years of life<br>remaining at<br>beginning of<br>year of age<br>(7) |
| Period of life<br>between two exact<br>ages stated<br>(1) | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year<br>(2) | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| x to x+1  | $q_x$   |  |  |                             |   |   |
| 0–1   | .00912  | 100,000  | 912  | 99,344                      | 7,623,303   | 76.23   |
| 1–2   | .00076  | 99,088   | 75   | 99,050                      | 7,523,959   | 75.93   |
| 2–3   | .00050  | 99,013   | 50   | 98,987                      | 7,424,909   | 74.99   |
| 3–4   | .00038  | 98,963   | 37   | 98,945                      | 7,325,922   | 74.03   |
| 4–5   | .00029  | 98,926   | 29   | 98,911                      | 7,226,977   | 73.05   |
| 5–6   | .00026  | 98,897   | 26   | 98,884                      | 7,128,066   | 72.08   |
| 6–7   | .00024  | 98,871   | 24   | 98,858                      | 7,029,182   | 71.09   |
| 7–8   | .00022  | 98,847   | 22   | 98,836                      | 6,930,324   | 70.11   |
| 8–9   | .00020  | 98,825   | 20   | 98,815                      | 6,831,488   | 69.13   |
| 9–10  | .00018  | 98,805   | 18   | 98,795                      | 6,732,673   | 68.14   |
| 10–11   | .00016  | 98,787   | 17   | 98,779                      | 6,633,878   | 67.15   |
| 11–12   | .00017  | 98,770   | 17   | 98,762                      | 6,535,099   | 66.16   |
| 12–13   | .00023  | 98,753   | 22   | 98,742                      | 6,436,337   | 65.18   |
| 13–14   | .00034  | 98,731   | 33   | 98,715                      | 6,337,595   | 64.19   |
| 14–15   | .00050  | 98,698   | 50   | 98,673                      | 6,238,880   | 63.21   |
| 15–16   | .00068  | 98,648   | 67   | 98,615                      | 6,140,207   | 62.24   |
| 16–17   | .00086  | 98,581   | 85   | 98,538                      | 6,041,592   | 61.29   |
| 17–18   | .00102  | 98,496   | 100  | 98,447                      | 5,943,054   | 60.34   |
| 18–19   | .00114  | 98,396   | 111  | 98,340                      | 5,844,607   | 59.40   |
| 19–20   | .00123  | 98,285   | 121  | 98,224                      | 5,746,267   | 58.47   |
| 20–21   | .00132  | 98,164   | 130  | 98,099                      | 5,648,043   | 57.54   |
| 21–22   | .00142  | 98,034   | 140  | 97,965                      | 5,549,944   | 56.61   |
| 22–23   | .00149  | 97,894   | 145  | 97,821                      | 5,451,979   | 55.69   |
| 23–24   | .00149  | 97,749   | 146  | 97,676                      | 5,354,158   | 54.77   |
| 24–25   | .00145  | 97,603   | 142  | 97,532                      | 5,256,482   | 53.86   |
| 25–26   | .00140  | 97,461   | 137  | 97,393                      | 5,158,950   | 52.93   |
| 26–27   | .00136  | 97,324   | 132  | 97,258                      | 5,061,557   | 52.01   |
| 27–28   | .00132  | 97,192   | 129  | 97,127                      | 4,964,299   | 51.08   |
| 28–29   | .00129  | 97,063   | 125  | 97,001                      | 4,867,172   | 50.14   |
| 29–30   | .00127  | 96,938   | 123  | 96,876                      | 4,770,171   | 49.21   |
| 30–31   | .00126  | 96,815   | 122  | 96,754                      | 4,673,295   | 48.27   |
| 31–32   | .00125  | 96,693   | 121  | 96,633                      | 4,576,541   | 47.33   |
| 32–33   | .00125  | 96,572   | 120  | 96,512                      | 4,479,908   | 46.39   |
| 33–34   | .00127  | 96,452   | 123  | 96,390                      | 4,383,396   | 45.45   |
| 34–35   | .00131  | 96,329   | 125  | 96,267                      | 4,287,006   | 44.50   |
| 35–36   | .00135  | 96,204   | 130  | 96,139                      | 4,190,739   | 43.56   |
| 36–37   | .00140  | 96,074   | 135  | 96,006                      | 4,094,600   | 42.62   |
| 37–38   | .00146  | 95,939   | 140  | 95,869                      | 3,998,594   | 41.68   |
| 38–39   | .00155  | 95,799   | 148  | 95,725                      | 3,902,725   | 40.74   |
| 39–40   | .00164  | 95,651   | 158  | 95,572                      | 3,807,000   | 39.80   |
| 40–41   | .00176  | 95,493   | 168  | 95,409                      | 3,711,428   | 38.87   |
| 41–42   | .00190  | 95,325   | 181  | 95,235                      | 3,616,019   | 37.93   |
| 42–43   | .00204  | 95,144   | 194  | 95,047                      | 3,520,784   | 37.00   |
| 43–44   | .00219  | 94,950   | 208  | 94,846                      | 3,425,737   | 36.08   |
| 44–45   | .00235  | 94,742   | 223  | 94,630                      | 3,330,891   | 35.16   |
| 45–46   | .00254  | 94,519   | 240  | 94,399                      | 3,236,261   | 34.24   |
| 46–47   | .00278  | 94,279   | 263  | 94,147                      | 3,141,862   | 33.33   |
| 47–48   | .00308  | 94,016   | 289  | 93,872                      | 3,047,715   | 32.42   |
| 48–49   | .00342  | 93,727   | 320  | 93,566                      | 2,953,843   | 31.52   |
| 49–50   | .00380  | 93,407   | 356  | 93,229                      | 2,860,277   | 30.62   |
| 50–51   | .00424  | 93,051   | 394  | 92,855                      | 2,767,048   | 29.74   |
| 51–52   | .00472  | 92,657   | 437  | 92,438                      | 2,674,193   | 28.86   |
| 52–53   | .00521  | 92,220   | 481  | 91,979                      | 2,581,755   | 28.00   |
| 53–54   | .00570  | 91,739   | 523  | 91,478                      | 2,489,776   | 27.14   |
| 54–55   | .00620  | 91,216   | 565  | 90,933                      | 2,398,298   | 26.29   |

Table 1. Life table for the total population: Montana, 1989–91—Con.

| Age<br>in years   | Proportion<br>dying | Of 100,000<br>born alive   |   | Stationary<br>population                    |                      | Average<br>remaining lifetime                            |
|---|---------------------|--|---|---|----------------------|--|
|   |                     | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year | Number<br>living at<br>beginning of<br>year of<br>age | Number<br>dying<br>during<br>year of<br>age | In<br>year of<br>age | In this<br>year of age<br>and all<br>subsequent<br>years |
| Period of life<br>between two exact<br>ages stated<br>(1) | (2)                 | (3)  | (4)   | (5)   | (6)                  | (7)  |
| x to x+1  | $q_x$               | $l_x$  | $d_x$   | $L_x$                                       | $T_x$                | ${}^o e_x$   |
| 55–56   | .00674              | 90,651   | 611   | 90,345                                      | 2,307,365            | 25.45  |
| 56–57   | .00735              | 90,040   | 663   | 89,709                                      | 2,217,020            | 24.62  |
| 57–58   | .00802              | 89,377   | 717   | 89,019                                      | 2,127,311            | 23.80  |
| 58–59   | .00874              | 88,660   | 774   | 88,273                                      | 2,038,292            | 22.99  |
| 59–60   | .00950              | 87,886   | 835   | 87,468                                      | 1,950,019            | 22.19  |
| 60–61   | .01028              | 87,051   | 895   | 86,604                                      | 1,862,551            | 21.40  |
| 61–62   | .01112              | 86,156   | 958   | 85,677                                      | 1,775,947            | 20.61  |
| 62–63   | .01210              | 85,198   | 1,031   | 84,682                                      | 1,690,270            | 19.84  |
| 63–64   | .01329              | 84,167   | 1,119   | 83,607                                      | 1,605,588            | 19.08  |
| 64–65   | .01468              | 83,048   | 1,219   | 82,439                                      | 1,521,981            | 18.33  |
| 65–66   | .01613              | 81,829   | 1,320   | 81,169                                      | 1,439,542            | 17.59  |
| 66–67   | .01766              | 80,509   | 1,421   | 79,799                                      | 1,358,373            | 16.87  |
| 67–68   | .01944              | 79,088   | 1,538   | 78,319                                      | 1,278,574            | 16.17  |
| 68–69   | .02153              | 77,550   | 1,669   | 76,715                                      | 1,200,255            | 15.48  |
| 69–70   | .02386              | 75,881   | 1,811   | 74,976                                      | 1,123,540            | 14.81  |
| 70–71   | .02640              | 74,070   | 1,955   | 73,093                                      | 1,048,564            | 14.16  |
| 71–72   | .02902              | 72,115   | 2,092   | 71,068                                      | 975,471              | 13.53  |
| 72–73   | .03162              | 70,023   | 2,215   | 68,916                                      | 904,403              | 12.92  |
| 73–74   | .03417              | 67,808   | 2,317   | 66,649                                      | 835,487              | 12.32  |
| 74–75   | .03676              | 65,491   | 2,408   | 64,288                                      | 768,838              | 11.74  |
| 75–76   | .03948              | 63,083   | 2,490   | 61,838                                      | 704,550              | 11.17  |
| 76–77   | .04252              | 60,593   | 2,577   | 59,304                                      | 642,712              | 10.61  |
| 77–78   | .04605              | 58,016   | 2,672   | 56,680                                      | 583,408              | 10.06  |
| 78–79   | .05028              | 55,344   | 2,782   | 53,953                                      | 526,728              | 9.52   |
| 79–80   | .05521              | 52,562   | 2,902   | 51,111                                      | 472,775              | 8.99   |
| 80–81   | .06091              | 49,660   | 3,025   | 48,148                                      | 421,664              | 8.49   |
| 81–82   | .06722              | 46,635   | 3,135   | 45,068                                      | 373,516              | 8.01   |
| 82–83   | .07390              | 43,500   | 3,214   | 41,893                                      | 328,448              | 7.55   |
| 83–84   | .08064              | 40,286   | 3,249   | 38,661                                      | 286,555              | 7.11   |
| 84–85   | .08755              | 37,037   | 3,243   | 35,416                                      | 247,894              | 6.69   |
| 85–86   | .09566              | 33,794   | 3,232   | 32,178                                      | 212,478              | 6.29   |
| 86–87   | .10511              | 30,562   | 3,213   | 28,955                                      | 180,300              | 5.90   |
| 87–88   | .11517              | 27,349   | 3,149   | 25,775                                      | 151,345              | 5.53   |
| 88–89   | .12554              | 24,200   | 3,038   | 22,680                                      | 125,570              | 5.19   |
| 89–90   | .13640              | 21,162   | 2,887   | 19,719                                      | 102,890              | 4.86   |
| 90–91   | .14843              | 18,275   | 2,712   | 16,918                                      | 83,171               | 4.55   |
| 91–92   | .16203              | 15,563   | 2,522   | 14,302                                      | 66,253               | 4.26   |
| 92–93   | .17671              | 13,041   | 2,305   | 11,889                                      | 51,951               | 3.98   |
| 93–94   | .19220              | 10,736   | 2,063   | 9,704                                       | 40,062               | 3.73   |
| 94–95   | .20835              | 8,673  | 1,807   | 7,770                                       | 30,358               | 3.50   |
| 95–96   | .22502              | 6,866  | 1,545   | 6,093                                       | 22,588               | 3.29   |
| 96–97   | .24126              | 5,321  | 1,284   | 4,679                                       | 16,495               | 3.10   |
| 97–98   | .25689              | 4,037  | 1,037   | 3,519                                       | 11,816               | 2.93   |
| 98–99   | .27175              | 3,000  | 815   | 2,592                                       | 8,297                | 2.77   |
| 99–100  | .28751              | 2,185  | 628   | 1,871                                       | 5,705                | 2.61   |
| 100–101   | .30418              | 1,557  | 474   | 1,320                                       | 3,834                | 2.46   |
| 101–102   | .32182              | 1,083  | 348   | 909   | 2,514                | 2.32   |
| 102–103   | .34049              | 735  | 251   | 609   | 1,605                | 2.19   |
| 103–104   | .36024              | 484  | 174   | 398   | 996                  | 2.05   |
| 104–105   | .38113              | 310  | 118   | 251   | 598                  | 1.93   |
| 105–106   | .40324              | 192  | 78  | 153   | 347                  | 1.81   |
| 106–107   | .42663              | 114  | 48  | 90  | 194                  | 1.70   |
| 107–108   | .45137              | 66   | 30  | 51  | 104                  | 1.59   |
| 108–109   | .47755              | 36   | 17  | 27  | 53                   | 1.49   |
| 109–110   | .50525              | 19   | 10  | 14  | 26                   | 1.39   |

**Table 2. Life table for males: Montana, 1989-91**

| Age<br>in years   | Proportion<br>dying   | Of 100,000<br>born alive                                     |  | Stationary<br>population    |   | Average<br>remaining lifetime   |
|---|---|--|--|-----------------------------|---|---|
|   |   | Number<br>living at<br>beginning of<br>year of<br>age<br>(3) | Number<br>dying<br>during<br>year of<br>age<br>(4) | In<br>year of<br>age<br>(5) | In this<br>year of age<br>and all<br>subsequent<br>years<br>(6) | Average<br>number of<br>years of life<br>remaining at<br>beginning of<br>year of age<br>(7) |
| Period of life<br>between two exact<br>ages stated<br>(1) | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year<br>(2) | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| x to x+1  | $q_x$   |  |  |                             |   |   |
| 0-1   | .01034  | 100,000  | 1,034  | 99,257                      | 7,305,036   | 73.05   |
| 1-2   | .00087  | 98,966   | 86   | 98,923                      | 7,205,779   | 72.81   |
| 2-3   | .00061  | 98,880   | 61   | 98,850                      | 7,106,856   | 71.87   |
| 3-4   | .00045  | 98,819   | 45   | 98,796                      | 7,008,006   | 70.92   |
| 4-5   | .00036  | 98,774   | 36   | 98,757                      | 6,909,210   | 69.95   |
| 5-6   | .00032  | 98,738   | 31   | 98,723                      | 6,810,453   | 68.97   |
| 6-7   | .00029  | 98,707   | 29   | 98,692                      | 6,711,730   | 68.00   |
| 7-8   | .00028  | 98,678   | 27   | 98,664                      | 6,613,038   | 67.02   |
| 8-9   | .00025  | 98,651   | 26   | 98,638                      | 6,514,374   | 66.03   |
| 9-10  | .00023  | 98,625   | 22   | 98,614                      | 6,415,736   | 65.05   |
| 10-11   | .00021  | 98,603   | 21   | 98,593                      | 6,317,122   | 64.07   |
| 11-12   | .00023  | 98,582   | 22   | 98,571                      | 6,218,529   | 63.08   |
| 12-13   | .00030  | 98,560   | 30   | 98,544                      | 6,119,958   | 62.09   |
| 13-14   | .00046  | 98,530   | 45   | 98,508                      | 6,021,414   | 61.11   |
| 14-15   | .00067  | 98,485   | 66   | 98,451                      | 5,922,906   | 60.14   |
| 15-16   | .00092  | 98,419   | 91   | 98,374                      | 5,824,455   | 59.18   |
| 16-17   | .00115  | 98,328   | 113  | 98,272                      | 5,726,081   | 58.23   |
| 17-18   | .00136  | 98,215   | 134  | 98,148                      | 5,627,809   | 57.30   |
| 18-19   | .00154  | 98,081   | 151  | 98,005                      | 5,529,661   | 56.38   |
| 19-20   | .00168  | 97,930   | 165  | 97,848                      | 5,431,656   | 55.46   |
| 20-21   | .00184  | 97,765   | 180  | 97,675                      | 5,333,808   | 54.56   |
| 21-22   | .00201  | 97,585   | 196  | 97,487                      | 5,236,133   | 53.66   |
| 22-23   | .00212  | 97,389   | 207  | 97,286                      | 5,138,646   | 52.76   |
| 23-24   | .00215  | 97,182   | 209  | 97,077                      | 5,041,360   | 51.88   |
| 24-25   | .00211  | 96,973   | 205  | 96,871                      | 4,944,283   | 50.99   |
| 25-26   | .00206  | 96,768   | 199  | 96,669                      | 4,847,412   | 50.09   |
| 26-27   | .00200  | 96,569   | 193  | 96,472                      | 4,750,743   | 49.20   |
| 27-28   | .00195  | 96,376   | 188  | 96,282                      | 4,654,271   | 48.29   |
| 28-29   | .00191  | 96,188   | 183  | 96,097                      | 4,557,989   | 47.39   |
| 29-30   | .00187  | 96,005   | 180  | 95,915                      | 4,461,892   | 46.48   |
| 30-31   | .00184  | 95,825   | 176  | 95,737                      | 4,365,977   | 45.56   |
| 31-32   | .00181  | 95,649   | 173  | 95,563                      | 4,270,240   | 44.64   |
| 32-33   | .00180  | 95,476   | 171  | 95,390                      | 4,174,677   | 43.72   |
| 33-34   | .00182  | 95,305   | 174  | 95,218                      | 4,079,287   | 42.80   |
| 34-35   | .00186  | 95,131   | 176  | 95,043                      | 3,984,069   | 41.88   |
| 35-36   | .00191  | 94,955   | 182  | 94,864                      | 3,889,026   | 40.96   |
| 36-37   | .00196  | 94,773   | 186  | 94,680                      | 3,794,162   | 40.03   |
| 37-38   | .00203  | 94,587   | 192  | 94,492                      | 3,699,482   | 39.11   |
| 38-39   | .00212  | 94,395   | 200  | 94,295                      | 3,604,990   | 38.19   |
| 39-40   | .00223  | 94,195   | 210  | 94,090                      | 3,510,695   | 37.27   |
| 40-41   | .00236  | 93,985   | 221  | 93,874                      | 3,416,605   | 36.35   |
| 41-42   | .00250  | 93,764   | 235  | 93,646                      | 3,322,731   | 35.44   |
| 42-43   | .00265  | 93,529   | 248  | 93,405                      | 3,229,085   | 34.52   |
| 43-44   | .00282  | 93,281   | 263  | 93,150                      | 3,135,680   | 33.62   |
| 44-45   | .00300  | 93,018   | 279  | 92,879                      | 3,042,530   | 32.71   |
| 45-46   | .00322  | 92,739   | 298  | 92,590                      | 2,949,651   | 31.81   |
| 46-47   | .00350  | 92,441   | 323  | 92,279                      | 2,857,061   | 30.91   |
| 47-48   | .00383  | 92,118   | 353  | 91,942                      | 2,764,782   | 30.01   |
| 48-49   | .00421  | 91,765   | 386  | 91,572                      | 2,672,840   | 29.13   |
| 49-50   | .00464  | 91,379   | 424  | 91,167                      | 2,581,268   | 28.25   |
| 50-51   | .00513  | 90,955   | 467  | 90,721                      | 2,490,101   | 27.38   |
| 51-52   | .00569  | 90,488   | 515  | 90,231                      | 2,399,380   | 26.52   |
| 52-53   | .00628  | 89,973   | 565  | 89,691                      | 2,309,149   | 25.66   |
| 53-54   | .00687  | 89,408   | 614  | 89,101                      | 2,219,458   | 24.82   |
| 54-55   | .00749  | 88,794   | 665  | 88,461                      | 2,130,357   | 23.99   |

**Table 2. Life table for males: Montana, 1989-91—Con.**

| Age<br>in years   | Proportion<br>dying   | Of 100,000<br>born alive                                     |  | Stationary<br>population    |   | Average<br>remaining lifetime   |
|---|---|--|--|-----------------------------|---|---|
|   |   | Number<br>living at<br>beginning of<br>year of<br>age<br>(3) | Number<br>dying<br>during<br>year of<br>age<br>(4) | In<br>year of<br>age<br>(5) | In this<br>year of age<br>and all<br>subsequent<br>years<br>(6) | Average<br>number of<br>years of life<br>remaining at<br>beginning of<br>year of age<br>(7) |
| Period of life<br>between two exact<br>ages stated<br>(1) | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year<br>(2) | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| x to x+1  | $q_x$   |  |  |                             |   |   |
| 55-56   | .00816  | 88,129   | 719  | 87,770                      | 2,041,896   | 23.17   |
| 56-57   | .00893  | 87,410   | 781  | 87,019                      | 1,954,126   | 22.36   |
| 57-58   | .00980  | 86,629   | 849  | 86,205                      | 1,867,107   | 21.55   |
| 58-59   | .01078  | 85,780   | 925  | 85,317                      | 1,780,902   | 20.76   |
| 59-60   | .01184  | 84,855   | 1,005  | 84,353                      | 1,695,585   | 19.98   |
| 60-61   | .01294  | 83,850   | 1,085  | 83,307                      | 1,611,232   | 19.22   |
| 61-62   | .01410  | 82,765   | 1,167  | 82,182                      | 1,527,925   | 18.46   |
| 62-63   | .01536  | 81,598   | 1,253  | 80,971                      | 1,445,743   | 17.72   |
| 63-64   | .01679  | 80,345   | 1,350  | 79,670                      | 1,364,772   | 16.99   |
| 64-65   | .01841  | 78,995   | 1,454  | 78,268                      | 1,285,102   | 16.27   |
| 65-66   | .02007  | 77,541   | 1,557  | 76,763                      | 1,206,834   | 15.56   |
| 66-67   | .02187  | 75,984   | 1,661  | 75,153                      | 1,130,071   | 14.87   |
| 67-68   | .02412  | 74,323   | 1,793  | 73,426                      | 1,054,918   | 14.19   |
| 68-69   | .02699  | 72,530   | 1,957  | 71,552                      | 981,492   | 13.53   |
| 69-70   | .03036  | 70,573   | 2,143  | 69,501                      | 909,940   | 12.89   |
| 70-71   | .03414  | 68,430   | 2,336  | 67,262                      | 840,439   | 12.28   |
| 71-72   | .03802  | 66,094   | 2,513  | 64,837                      | 773,177   | 11.70   |
| 72-73   | .04175  | 63,581   | 2,655  | 62,254                      | 708,340   | 11.14   |
| 73-74   | .04515  | 60,926   | 2,751  | 59,550                      | 646,086   | 10.60   |
| 74-75   | .04836  | 58,175   | 2,813  | 56,769                      | 586,536   | 10.08   |
| 75-76   | .05166  | 55,362   | 2,860  | 53,932                      | 529,767   | 9.57  |
| 76-77   | .05543  | 52,502   | 2,910  | 51,047                      | 475,835   | 9.06  |
| 77-78   | .05994  | 49,592   | 2,973  | 48,105                      | 424,788   | 8.57  |
| 78-79   | .06553  | 46,619   | 3,055  | 45,092                      | 376,683   | 8.08  |
| 79-80   | .07223  | 43,564   | 3,147  | 41,991                      | 331,591   | 7.61  |
| 80-81   | .08017  | 40,417   | 3,240  | 38,797                      | 289,600   | 7.17  |
| 81-82   | .08896  | 37,177   | 3,307  | 35,524                      | 250,803   | 6.75  |
| 82-83   | .09794  | 33,870   | 3,317  | 32,211                      | 215,279   | 6.36  |
| 83-84   | .10634  | 30,553   | 3,249  | 28,929                      | 183,068   | 5.99  |
| 84-85   | .11427  | 27,304   | 3,120  | 25,744                      | 154,139   | 5.65  |
| 85-86   | .12359  | 24,184   | 2,989  | 22,690                      | 128,395   | 5.31  |
| 86-87   | .13495  | 21,195   | 2,860  | 19,765                      | 105,705   | 4.99  |
| 87-88   | .14705  | 18,335   | 2,696  | 16,987                      | 85,940  | 4.69  |
| 88-89   | .15924  | 15,639   | 2,490  | 14,394                      | 68,953  | 4.41  |
| 89-90   | .17140  | 13,149   | 2,254  | 12,022                      | 54,559  | 4.15  |
| 90-91   | .18412  | 10,895   | 2,006  | 9,891                       | 42,537  | 3.90  |
| 91-92   | .19830  | 8,889  | 1,763  | 8,008                       | 32,646  | 3.67  |
| 92-93   | .21354  | 7,126  | 1,522  | 6,365                       | 24,638  | 3.46  |
| 93-94   | .22937  | 5,604  | 1,285  | 4,962                       | 18,273  | 3.26  |
| 94-95   | .24491  | 4,319  | 1,058  | 3,790                       | 13,311  | 3.08  |
| 95-96   | .26004  | 3,261  | 848  | 2,837                       | 9,521   | 2.92  |
| 96-97   | .27536  | 2,413  | 664  | 2,081                       | 6,684   | 2.77  |
| 97-98   | .28943  | 1,749  | 506  | 1,496                       | 4,603   | 2.63  |
| 98-99   | .30390  | 1,243  | 378  | 1,054                       | 3,107   | 2.50  |
| 99-100  | .31910  | 865  | 276  | 727                         | 2,053   | 2.37  |
| 100-101   | .33505  | 589  | 197  | 490                         | 1,326   | 2.25  |
| 101-102   | .35181  | 392  | 138  | 323                         | 836   | 2.13  |
| 102-103   | .36940  | 254  | 94   | 207                         | 513   | 2.02  |
| 103-104   | .38787  | 160  | 62   | 129                         | 306   | 1.91  |
| 104-105   | .40726  | 98   | 40   | 78                          | 177   | 1.81  |
| 105-106   | .42762  | 58   | 25   | 45                          | 99  | 1.71  |
| 106-107   | .44900  | 33   | 15   | 26                          | 54  | 1.61  |
| 107-108   | .47145  | 18   | 8  | 14                          | 28  | 1.52  |
| 108-109   | .49503  | 10   | 5  | 7                           | 14  | 1.43  |
| 109-110   | .51978  | 5  | 3  | 4                           | 7   | 1.35  |

**Table 3. Life table for females: Montana, 1989–91**

| Age<br>in years   | Proportion<br>dying   | Of 100,000<br>born alive                                     |  | Stationary<br>population    |   | Average<br>remaining lifetime   |
|---|---|--|--|-----------------------------|---|---|
|   |   | Number<br>living at<br>beginning of<br>year of<br>age<br>(3) | Number<br>dying<br>during<br>year of<br>age<br>(4) | In<br>year of<br>age<br>(5) | In this<br>year of age<br>and all<br>subsequent<br>years<br>(6) | Average<br>number of<br>years of life<br>remaining at<br>beginning of<br>year of age<br>(7) |
| Period of life<br>between two exact<br>ages stated<br>(1) | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year<br>(2) | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| x to x+1  | $q_x$   |  |  |                             |   |   |
| 0-1   | .00786  | 100,000  | 786  | 99,433                      | 7,949,426   | 79.49   |
| 1-2   | .00064  | 99,214   | 63   | 99,183                      | 7,849,993   | 79.12   |
| 2-3   | .00038  | 99,151   | 38   | 99,132                      | 7,750,810   | 78.17   |
| 3-4   | .00029  | 99,113   | 29   | 99,099                      | 7,651,678   | 77.20   |
| 4-5   | .00022  | 99,084   | 22   | 99,074                      | 7,552,579   | 76.22   |
| 5-6   | .00020  | 99,062   | 20   | 99,052                      | 7,453,505   | 75.24   |
| 6-7   | .00018  | 99,042   | 18   | 99,033                      | 7,354,453   | 74.26   |
| 7-8   | .00017  | 99,024   | 17   | 99,015                      | 7,255,420   | 73.27   |
| 8-9   | .00015  | 99,007   | 15   | 99,000                      | 7,156,405   | 72.28   |
| 9-10  | .00013  | 98,992   | 13   | 98,986                      | 7,057,405   | 71.29   |
| 10-11   | .00011  | 98,979   | 11   | 98,973                      | 6,958,419   | 70.30   |
| 11-12   | .00011  | 98,968   | 11   | 98,962                      | 6,859,446   | 69.31   |
| 12-13   | .00014  | 98,957   | 14   | 98,950                      | 6,760,484   | 68.32   |
| 13-14   | .00021  | 98,943   | 21   | 98,932                      | 6,661,534   | 67.33   |
| 14-15   | .00031  | 98,922   | 32   | 98,906                      | 6,562,602   | 66.34   |
| 15-16   | .00043  | 98,890   | 42   | 98,869                      | 6,463,696   | 65.36   |
| 16-17   | .00054  | 98,848   | 54   | 98,821                      | 6,364,827   | 64.39   |
| 17-18   | .00064  | 98,794   | 63   | 98,762                      | 6,266,006   | 63.43   |
| 18-19   | .00070  | 98,731   | 69   | 98,697                      | 6,167,244   | 62.47   |
| 19-20   | .00074  | 98,662   | 73   | 98,625                      | 6,068,547   | 61.51   |
| 20-21   | .00077  | 98,589   | 77   | 98,550                      | 5,969,922   | 60.55   |
| 21-22   | .00081  | 98,512   | 80   | 98,473                      | 5,871,372   | 59.60   |
| 22-23   | .00083  | 98,432   | 82   | 98,391                      | 5,772,899   | 58.65   |
| 23-24   | .00082  | 98,350   | 81   | 98,309                      | 5,674,508   | 57.70   |
| 24-25   | .00079  | 98,269   | 77   | 98,231                      | 5,576,199   | 56.74   |
| 25-26   | .00076  | 98,192   | 75   | 98,155                      | 5,477,968   | 55.79   |
| 26-27   | .00073  | 98,117   | 71   | 98,081                      | 5,379,813   | 54.83   |
| 27-28   | .00071  | 98,046   | 69   | 98,012                      | 5,281,732   | 53.87   |
| 28-29   | .00070  | 97,977   | 68   | 97,943                      | 5,183,720   | 52.91   |
| 29-30   | .00070  | 97,909   | 69   | 97,874                      | 5,085,777   | 51.94   |
| 30-31   | .00070  | 97,840   | 68   | 97,806                      | 4,987,903   | 50.98   |
| 31-32   | .00071  | 97,772   | 70   | 97,737                      | 4,890,097   | 50.02   |
| 32-33   | .00072  | 97,702   | 70   | 97,667                      | 4,792,360   | 49.05   |
| 33-34   | .00074  | 97,632   | 73   | 97,596                      | 4,694,693   | 48.09   |
| 34-35   | .00077  | 97,559   | 75   | 97,521                      | 4,597,097   | 47.12   |
| 35-36   | .00080  | 97,484   | 78   | 97,446                      | 4,499,576   | 46.16   |
| 36-37   | .00084  | 97,406   | 82   | 97,365                      | 4,402,130   | 45.19   |
| 37-38   | .00089  | 97,324   | 87   | 97,281                      | 4,304,765   | 44.23   |
| 38-39   | .00096  | 97,237   | 93   | 97,190                      | 4,207,484   | 43.27   |
| 39-40   | .00105  | 97,144   | 102  | 97,093                      | 4,110,294   | 42.31   |
| 40-41   | .00115  | 97,042   | 111  | 96,987                      | 4,013,201   | 41.36   |
| 41-42   | .00127  | 96,931   | 123  | 96,869                      | 3,916,214   | 40.40   |
| 42-43   | .00139  | 96,808   | 134  | 96,741                      | 3,819,345   | 39.45   |
| 43-44   | .00152  | 96,674   | 148  | 96,600                      | 3,722,604   | 38.51   |
| 44-45   | .00167  | 96,526   | 161  | 96,446                      | 3,626,004   | 37.56   |
| 45-46   | .00184  | 96,365   | 177  | 96,277                      | 3,529,558   | 36.63   |
| 46-47   | .00204  | 96,188   | 196  | 96,090                      | 3,433,281   | 35.69   |
| 47-48   | .00230  | 95,992   | 221  | 95,881                      | 3,337,191   | 34.77   |
| 48-49   | .00260  | 95,771   | 249  | 95,647                      | 3,241,310   | 33.84   |
| 49-50   | .00295  | 95,522   | 282  | 95,381                      | 3,145,663   | 32.93   |
| 50-51   | .00333  | 95,240   | 318  | 95,081                      | 3,050,282   | 32.03   |
| 51-52   | .00375  | 94,922   | 355  | 94,744                      | 2,955,201   | 31.13   |
| 52-53   | .00415  | 94,567   | 393  | 94,371                      | 2,860,457   | 30.25   |
| 53-54   | .00454  | 94,174   | 428  | 93,960                      | 2,766,086   | 29.37   |
| 54-55   | .00493  | 93,746   | 462  | 93,515                      | 2,672,126   | 28.50   |



**Table 3. Life table for females: Montana, 1989–91—Con.**

| Age<br>in years   | Proportion<br>dying   | Of 100,000<br>born alive                                     |  | Stationary<br>population    |   | Average<br>remaining lifetime   |
|---|---|--|--|-----------------------------|---|---|
|   |   | Number<br>living at<br>beginning of<br>year of<br>age<br>(3) | Number<br>dying<br>during<br>year of<br>age<br>(4) | In<br>year of<br>age<br>(5) | In this<br>year of age<br>and all<br>subsequent<br>years<br>(6) | Average<br>number of<br>years of life<br>remaining at<br>beginning of<br>year of age<br>(7) |
| Period of life<br>between two exact<br>ages stated<br>(1) | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year<br>(2) | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| x to x+1  | $q_x$   |  |  |                             |   |   |
| 55–56   | .00536  | 93,284   | 500  | 93,034                      | 2,578,611   | 27.64   |
| 56–57   | .00583  | 92,784   | 540  | 92,514                      | 2,485,577   | 26.79   |
| 57–58   | .00630  | 92,244   | 582  | 91,954                      | 2,393,063   | 25.94   |
| 58–59   | .00677  | 91,662   | 620  | 91,352                      | 2,301,109   | 25.10   |
| 59–60   | .00724  | 91,042   | 659  | 90,712                      | 2,209,757   | 24.27   |
| 60–61   | .00771  | 90,383   | 697  | 90,035                      | 2,119,045   | 23.45   |
| 61–62   | .00825  | 89,686   | 740  | 89,316                      | 2,029,010   | 22.62   |
| 62–63   | .00897  | 88,946   | 798  | 88,547                      | 1,939,694   | 21.81   |
| 63–64   | .00994  | 88,148   | 877  | 87,710                      | 1,851,147   | 21.00   |
| 64–65   | .01113  | 87,271   | 971  | 86,786                      | 1,763,437   | 20.21   |
| 65–66   | .01242  | 86,300   | 1,071  | 85,764                      | 1,676,651   | 19.43   |
| 66–67   | .01374  | 85,229   | 1,171  | 84,643                      | 1,590,887   | 18.67   |
| 67–68   | .01513  | 84,058   | 1,272  | 83,422                      | 1,506,244   | 17.92   |
| 68–69   | .01657  | 82,786   | 1,372  | 82,100                      | 1,422,822   | 17.19   |
| 69–70   | .01807  | 81,414   | 1,471  | 80,679                      | 1,340,722   | 16.47   |
| 70–71   | .01964  | 79,943   | 1,569  | 79,159                      | 1,260,043   | 15.76   |
| 71–72   | .02132  | 78,374   | 1,671  | 77,538                      | 1,180,884   | 15.07   |
| 72–73   | .02314  | 76,703   | 1,775  | 75,815                      | 1,103,346   | 14.38   |
| 73–74   | .02517  | 74,928   | 1,886  | 73,985                      | 1,027,531   | 13.71   |
| 74–75   | .02744  | 73,042   | 2,004  | 72,040                      | 953,546   | 13.05   |
| 75–76   | .02992  | 71,038   | 2,125  | 69,976                      | 881,506   | 12.41   |
| 76–77   | .03262  | 68,913   | 2,248  | 67,789                      | 811,530   | 11.78   |
| 77–78   | .03566  | 66,665   | 2,377  | 65,476                      | 743,741   | 11.16   |
| 78–79   | .03913  | 64,288   | 2,516  | 63,030                      | 678,265   | 10.55   |
| 79–80   | .04307  | 61,772   | 2,660  | 60,441                      | 615,235   | 9.96  |
| 80–81   | .04753  | 59,112   | 2,810  | 57,707                      | 554,794   | 9.39  |
| 81–82   | .05254  | 56,302   | 2,958  | 54,824                      | 497,087   | 8.83  |
| 82–83   | .05820  | 53,344   | 3,104  | 51,791                      | 442,263   | 8.29  |
| 83–84   | .06453  | 50,240   | 3,242  | 48,619                      | 390,472   | 7.77  |
| 84–85   | .07158  | 46,998   | 3,364  | 45,316                      | 341,853   | 7.27  |
| 85–86   | .08018  | 43,634   | 3,499  | 41,885                      | 296,537   | 6.80  |
| 86–87   | .08988  | 40,135   | 3,607  | 38,331                      | 254,652   | 6.34  |
| 87–88   | .10016  | 36,528   | 3,658  | 34,699                      | 216,321   | 5.92  |
| 88–89   | .11079  | 32,870   | 3,642  | 31,049                      | 181,622   | 5.53  |
| 89–90   | .12206  | 29,228   | 3,567  | 27,445                      | 150,573   | 5.15  |
| 90–91   | .13482  | 25,661   | 3,460  | 23,930                      | 123,128   | 4.80  |
| 91–92   | .14926  | 22,201   | 3,314  | 20,544                      | 99,198  | 4.47  |
| 92–93   | .16467  | 18,887   | 3,110  | 17,333                      | 78,654  | 4.16  |
| 93–94   | .18071  | 15,777   | 2,851  | 14,351                      | 61,321  | 3.89  |
| 94–95   | .19743  | 12,926   | 2,552  | 11,650                      | 46,970  | 3.63  |
| 95–96   | .21475  | 10,374   | 2,228  | 9,260                       | 35,320  | 3.40  |
| 96–97   | .23143  | 8,146  | 1,885  | 7,204                       | 26,060  | 3.20  |
| 97–98   | .24775  | 6,261  | 1,551  | 5,485                       | 18,856  | 3.01  |
| 98–99   | .26375  | 4,710  | 1,242  | 4,089                       | 13,371  | 2.84  |
| 99–100  | .27957  | 3,468  | 970  | 2,982                       | 9,282   | 2.68  |
| 100–101   | .29635  | 2,498  | 740  | 2,128                       | 6,300   | 2.52  |
| 101–102   | .31413  | 1,758  | 552  | 1,482                       | 4,172   | 2.37  |
| 102–103   | .33298  | 1,206  | 402  | 1,005                       | 2,690   | 2.23  |
| 103–104   | .35296  | 804  | 284  | 662                         | 1,685   | 2.10  |
| 104–105   | .37413  | 520  | 194  | 423                         | 1,023   | 1.97  |
| 105–106   | .39658  | 326  | 129  | 261                         | 600   | 1.84  |
| 106–107   | .42038  | 197  | 83   | 156                         | 339   | 1.72  |
| 107–108   | .44560  | 114  | 51   | 88                          | 183   | 1.61  |
| 108–109   | .47233  | 63   | 30   | 48                          | 95  | 1.50  |
| 109–110   | .50068  | 33   | 16   | 25                          | 47  | 1.40  |

**Table 4. Life table for the white population: Montana, 1989–91**

| Age<br>in years   | Proportion<br>dying   | Of 100,000<br>born alive                                     |  | Stationary<br>population    |   | Average<br>remaining lifetime   |
|---|---|--|--|-----------------------------|---|---|
|   |   | Number<br>living at<br>beginning of<br>year of<br>age<br>(3) | Number<br>dying<br>during<br>year of<br>age<br>(4) | In<br>year of<br>age<br>(5) | In this<br>year of age<br>and all<br>subsequent<br>years<br>(6) | Average<br>number of<br>years of life<br>remaining at<br>beginning of<br>year of age<br>(7) |
| Period of life<br>between two exact<br>ages stated<br>(1) | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year<br>(2) | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| x to x+1  | $q_x$   |  |  |                             |   |   |
| 0-1   | .00796  | 100,000  | 796  | 99,417                      | 7,672,424   | 76.72   |
| 1-2   | .00067  | 99,204   | 67   | 99,170                      | 7,573,007   | 76.34   |
| 2-3   | .00045  | 99,137   | 44   | 99,115                      | 7,473,837   | 75.39   |
| 3-4   | .00033  | 99,093   | 33   | 99,076                      | 7,374,722   | 74.42   |
| 4-5   | .00027  | 99,060   | 27   | 99,047                      | 7,275,646   | 73.45   |
| 5-6   | .00023  | 99,033   | 22   | 99,022                      | 7,176,599   | 72.47   |
| 6-7   | .00021  | 99,011   | 21   | 99,000                      | 7,077,577   | 71.48   |
| 7-8   | .00020  | 98,990   | 19   | 98,980                      | 6,978,577   | 70.50   |
| 8-9   | .00018  | 98,971   | 18   | 98,962                      | 6,879,597   | 69.51   |
| 9-10  | .00017  | 98,953   | 17   | 98,944                      | 6,780,635   | 68.52   |
| 10-11   | .00015  | 98,936   | 15   | 98,929                      | 6,681,691   | 67.54   |
| 11-12   | .00017  | 98,921   | 17   | 98,913                      | 6,582,762   | 66.55   |
| 12-13   | .00022  | 98,904   | 21   | 98,893                      | 6,483,849   | 65.56   |
| 13-14   | .00032  | 98,883   | 32   | 98,867                      | 6,384,956   | 64.57   |
| 14-15   | .00047  | 98,851   | 46   | 98,828                      | 6,286,089   | 63.59   |
| 15-16   | .00064  | 98,805   | 63   | 98,773                      | 6,187,261   | 62.62   |
| 16-17   | .00080  | 98,742   | 79   | 98,702                      | 6,088,488   | 61.66   |
| 17-18   | .00093  | 98,663   | 92   | 98,617                      | 5,989,786   | 60.71   |
| 18-19   | .00103  | 98,571   | 102  | 98,520                      | 5,891,169   | 59.77   |
| 19-20   | .00110  | 98,469   | 109  | 98,414                      | 5,792,649   | 58.83   |
| 20-21   | .00117  | 98,360   | 115  | 98,303                      | 5,694,235   | 57.89   |
| 21-22   | .00124  | 98,245   | 122  | 98,185                      | 5,595,932   | 56.96   |
| 22-23   | .00129  | 98,123   | 126  | 98,060                      | 5,497,747   | 56.03   |
| 23-24   | .00130  | 97,997   | 127  | 97,933                      | 5,399,687   | 55.10   |
| 24-25   | .00127  | 97,870   | 125  | 97,807                      | 5,301,754   | 54.17   |
| 25-26   | .00124  | 97,745   | 121  | 97,685                      | 5,203,947   | 53.24   |
| 26-27   | .00121  | 97,624   | 118  | 97,565                      | 5,106,262   | 52.31   |
| 27-28   | .00118  | 97,506   | 115  | 97,449                      | 5,008,697   | 51.37   |
| 28-29   | .00116  | 97,391   | 113  | 97,334                      | 4,911,248   | 50.43   |
| 29-30   | .00115  | 97,278   | 112  | 97,222                      | 4,813,914   | 49.49   |
| 30-31   | .00115  | 97,166   | 112  | 97,110                      | 4,716,692   | 48.54   |
| 31-32   | .00115  | 97,054   | 111  | 96,999                      | 4,619,582   | 47.60   |
| 32-33   | .00115  | 96,943   | 112  | 96,887                      | 4,522,583   | 46.65   |
| 33-34   | .00117  | 96,831   | 113  | 96,774                      | 4,425,696   | 45.71   |
| 34-35   | .00120  | 96,718   | 116  | 96,660                      | 4,328,922   | 44.76   |
| 35-36   | .00123  | 96,602   | 118  | 96,543                      | 4,232,262   | 43.81   |
| 36-37   | .00126  | 96,484   | 122  | 96,423                      | 4,135,719   | 42.86   |
| 37-38   | .00132  | 96,362   | 127  | 96,298                      | 4,039,296   | 41.92   |
| 38-39   | .00140  | 96,235   | 135  | 96,168                      | 3,942,998   | 40.97   |
| 39-40   | .00150  | 96,100   | 144  | 96,028                      | 3,846,830   | 40.03   |
| 40-41   | .00162  | 95,956   | 155  | 95,879                      | 3,750,802   | 39.09   |
| 41-42   | .00175  | 95,801   | 168  | 95,717                      | 3,654,923   | 38.15   |
| 42-43   | .00189  | 95,633   | 180  | 95,543                      | 3,559,206   | 37.22   |
| 43-44   | .00202  | 95,453   | 192  | 95,357                      | 3,463,663   | 36.29   |
| 44-45   | .00215  | 95,261   | 205  | 95,158                      | 3,368,306   | 35.36   |
| 45-46   | .00231  | 95,056   | 220  | 94,946                      | 3,273,148   | 34.43   |
| 46-47   | .00252  | 94,836   | 239  | 94,716                      | 3,178,202   | 33.51   |
| 47-48   | .00278  | 94,597   | 263  | 94,466                      | 3,083,486   | 32.60   |
| 48-49   | .00311  | 94,334   | 294  | 94,187                      | 2,989,020   | 31.69   |
| 49-50   | .00350  | 94,040   | 329  | 93,875                      | 2,894,833   | 30.78   |
| 50-51   | .00395  | 93,711   | 370  | 93,526                      | 2,800,958   | 29.89   |
| 51-52   | .00444  | 93,341   | 415  | 93,134                      | 2,707,432   | 29.01   |
| 52-53   | .00494  | 92,926   | 459  | 92,697                      | 2,614,298   | 28.13   |
| 53-54   | .00543  | 92,467   | 502  | 92,216                      | 2,521,601   | 27.27   |
| 54-55   | .00592  | 91,965   | 544  | 91,693                      | 2,429,385   | 26.42   |

Table 4. Life table for the white population: Montana, 1989–91—Con.

| Age<br>in years   | Proportion<br>dying   | Of 100,000<br>born alive                                     |  | Stationary<br>population    |   | Average<br>remaining lifetime   |
|---|---|--|--|-----------------------------|---|---|
|   |   | Number<br>living at<br>beginning of<br>year of<br>age<br>(3) | Number<br>dying<br>during<br>year of<br>age<br>(4) | In<br>year of<br>age<br>(5) | In this<br>year of age<br>and all<br>subsequent<br>years<br>(6) | Average<br>number of<br>years of life<br>remaining at<br>beginning of<br>year of age<br>(7) |
| Period of life<br>between two exact<br>ages stated<br>(1) | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year<br>(2) | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| x to x+1  | $q_x$   |  |  |                             |   |   |
| 55–56   | .00646  | 91,421   | 590  | 91,126                      | 2,337,692   | 25.57   |
| 56–57   | .00706  | 90,831   | 642  | 90,510                      | 2,246,566   | 24.73   |
| 57–58   | .00773  | 90,189   | 697  | 89,840                      | 2,156,056   | 23.91   |
| 58–59   | .00845  | 89,492   | 756  | 89,114                      | 2,066,216   | 23.09   |
| 59–60   | .00921  | 88,736   | 818  | 88,327                      | 1,977,102   | 22.28   |
| 60–61   | .00999  | 87,918   | 878  | 87,479                      | 1,888,775   | 21.48   |
| 61–62   | .01083  | 87,040   | 943  | 86,568                      | 1,801,296   | 20.70   |
| 62–63   | .01181  | 86,097   | 1,016  | 85,589                      | 1,714,728   | 19.92   |
| 63–64   | .01299  | 85,081   | 1,106  | 84,528                      | 1,629,139   | 19.15   |
| 64–65   | .01437  | 83,975   | 1,206  | 83,372                      | 1,544,611   | 18.39   |
| 65–66   | .01581  | 82,769   | 1,309  | 82,115                      | 1,461,239   | 17.65   |
| 66–67   | .01733  | 81,460   | 1,412  | 80,754                      | 1,379,124   | 16.93   |
| 67–68   | .01909  | 80,048   | 1,528  | 79,284                      | 1,298,370   | 16.22   |
| 68–69   | .02115  | 78,520   | 1,661  | 77,689                      | 1,219,086   | 15.53   |
| 69–70   | .02345  | 76,859   | 1,802  | 75,958                      | 1,141,397   | 14.85   |
| 70–71   | .02595  | 75,057   | 1,948  | 74,083                      | 1,065,439   | 14.20   |
| 71–72   | .02853  | 73,109   | 2,086  | 72,066                      | 991,356   | 13.56   |
| 72–73   | .03113  | 71,023   | 2,211  | 69,917                      | 919,290   | 12.94   |
| 73–74   | .03371  | 68,812   | 2,320  | 67,653                      | 849,373   | 12.34   |
| 74–75   | .03636  | 66,492   | 2,418  | 65,283                      | 781,720   | 11.76   |
| 75–76   | .03918  | 64,074   | 2,510  | 62,820                      | 716,437   | 11.18   |
| 76–77   | .04230  | 61,564   | 2,604  | 60,262                      | 653,617   | 10.62   |
| 77–78   | .04589  | 58,960   | 2,706  | 57,607                      | 593,355   | 10.06   |
| 78–79   | .05010  | 56,254   | 2,818  | 54,845                      | 535,748   | 9.52  |
| 79–80   | .05496  | 53,436   | 2,937  | 51,968                      | 480,903   | 9.00  |
| 80–81   | .06054  | 50,499   | 3,057  | 48,971                      | 428,935   | 8.49  |
| 81–82   | .06673  | 47,442   | 3,166  | 45,859                      | 379,964   | 8.01  |
| 82–83   | .07333  | 44,276   | 3,246  | 42,653                      | 334,105   | 7.55  |
| 83–84   | .08010  | 41,030   | 3,287  | 39,386                      | 291,452   | 7.10  |
| 84–85   | .08716  | 37,743   | 3,290  | 36,099                      | 252,066   | 6.68  |
| 85–86   | .09551  | 34,453   | 3,290  | 32,808                      | 215,967   | 6.27  |
| 86–87   | .10522  | 31,163   | 3,279  | 29,523                      | 183,159   | 5.88  |
| 87–88   | .11549  | 27,884   | 3,220  | 26,274                      | 153,636   | 5.51  |
| 88–89   | .12594  | 24,664   | 3,107  | 23,110                      | 127,362   | 5.16  |
| 89–90   | .13677  | 21,557   | 2,948  | 20,083                      | 104,252   | 4.84  |
| 90–91   | .14881  | 18,609   | 2,769  | 17,225                      | 84,169  | 4.52  |
| 91–92   | .16258  | 15,840   | 2,575  | 14,552                      | 66,944  | 4.23  |
| 92–93   | .17761  | 13,265   | 2,356  | 12,086                      | 52,392  | 3.95  |
| 93–94   | .19361  | 10,909   | 2,112  | 9,853                       | 40,306  | 3.69  |
| 94–95   | .21035  | 8,797  | 1,851  | 7,871                       | 30,453  | 3.46  |
| 95–96   | .22760  | 6,946  | 1,581  | 6,156                       | 22,582  | 3.25  |
| 96–97   | .24414  | 5,365  | 1,310  | 4,710                       | 16,426  | 3.06  |
| 97–98   | .26009  | 4,055  | 1,054  | 3,528                       | 11,716  | 2.89  |
| 98–99   | .27538  | 3,001  | 827  | 2,588                       | 8,188   | 2.73  |
| 99–100  | .29135  | 2,174  | 633  | 1,857                       | 5,600   | 2.58  |
| 100–101   | .30824  | 1,541  | 475  | 1,304                       | 3,743   | 2.43  |
| 101–102   | .32612  | 1,066  | 348  | 892                         | 2,439   | 2.29  |
| 102–103   | .34504  | 718  | 248  | 594                         | 1,547   | 2.15  |
| 103–104   | .36505  | 470  | 171  | 385                         | 953   | 2.03  |
| 104–105   | .38622  | 299  | 116  | 241                         | 568   | 1.90  |
| 105–106   | .40862  | 183  | 75   | 146                         | 327   | 1.78  |
| 106–107   | .43232  | 108  | 46   | 85                          | 181   | 1.67  |
| 107–108   | .45740  | 62   | 29   | 47                          | 96  | 1.56  |
| 108–109   | .48393  | 33   | 16   | 25                          | 49  | 1.46  |
| 109–110   | .51200  | 17   | 9  | 13                          | 24  | 1.36  |

**Table 5. Life table for white males: Montana, 1989-91**

| Age<br>in years   | Proportion<br>dying   | Of 100,000<br>born alive                                     |  | Stationary<br>population    |   | Average<br>remaining lifetime   |
|---|---|--|--|-----------------------------|---|---|
|   |   | Number<br>living at<br>beginning of<br>year of<br>age<br>(3) | Number<br>dying<br>during<br>year of<br>age<br>(4) | In<br>year of<br>age<br>(5) | In this<br>year of age<br>and all<br>subsequent<br>years<br>(6) | Average<br>number of<br>years of life<br>remaining at<br>beginning of<br>year of age<br>(7) |
| Period of life<br>between two exact<br>ages stated<br>(1) | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year<br>(2) | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| x to x+1  | $q_x$   |  |  |                             |   |   |
| 0-1   | .00912  | 100,000  | 912  | 99,334                      | 7,359,061   | 73.59   |
| 1-2   | .00077  | 99,088   | 76   | 99,051                      | 7,259,727   | 73.27   |
| 2-3   | .00056  | 99,012   | 55   | 98,984                      | 7,160,676   | 72.32   |
| 3-4   | .00041  | 98,957   | 40   | 98,937                      | 7,061,692   | 71.36   |
| 4-5   | .00033  | 98,917   | 33   | 98,900                      | 6,962,755   | 70.39   |
| 5-6   | .00029  | 98,884   | 28   | 98,870                      | 6,863,855   | 69.41   |
| 6-7   | .00026  | 98,856   | 26   | 98,843                      | 6,764,985   | 68.43   |
| 7-8   | .00025  | 98,830   | 25   | 98,817                      | 6,666,142   | 67.45   |
| 8-9   | .00023  | 98,805   | 23   | 98,794                      | 6,567,325   | 66.47   |
| 9-10  | .00021  | 98,782   | 21   | 98,771                      | 6,468,531   | 65.48   |
| 10-11   | .00020  | 98,761   | 20   | 98,751                      | 6,369,760   | 64.50   |
| 11-12   | .00022  | 98,741   | 22   | 98,730                      | 6,271,009   | 63.51   |
| 12-13   | .00029  | 98,719   | 28   | 98,705                      | 6,172,279   | 62.52   |
| 13-14   | .00043  | 98,691   | 43   | 98,669                      | 6,073,574   | 61.54   |
| 14-15   | .00063  | 98,648   | 62   | 98,617                      | 5,974,905   | 60.57   |
| 15-16   | .00085  | 98,586   | 83   | 98,545                      | 5,876,288   | 59.61   |
| 16-17   | .00106  | 98,503   | 105  | 98,450                      | 5,777,743   | 58.66   |
| 17-18   | .00125  | 98,398   | 123  | 98,336                      | 5,679,293   | 57.72   |
| 18-19   | .00140  | 98,275   | 138  | 98,206                      | 5,580,957   | 56.79   |
| 19-20   | .00151  | 98,137   | 148  | 98,063                      | 5,482,751   | 55.87   |
| 20-21   | .00164  | 97,989   | 161  | 97,909                      | 5,384,688   | 54.95   |
| 21-22   | .00177  | 97,828   | 173  | 97,741                      | 5,286,779   | 54.04   |
| 22-23   | .00187  | 97,655   | 183  | 97,564                      | 5,189,038   | 53.14   |
| 23-24   | .00189  | 97,472   | 184  | 97,380                      | 5,091,474   | 52.24   |
| 24-25   | .00187  | 97,288   | 182  | 97,197                      | 4,994,094   | 51.33   |
| 25-26   | .00182  | 97,106   | 177  | 97,017                      | 4,896,897   | 50.43   |
| 26-27   | .00178  | 96,929   | 173  | 96,843                      | 4,799,880   | 49.52   |
| 27-28   | .00175  | 96,756   | 169  | 96,672                      | 4,703,037   | 48.61   |
| 28-29   | .00172  | 96,587   | 166  | 96,504                      | 4,606,365   | 47.69   |
| 29-30   | .00171  | 96,421   | 165  | 96,338                      | 4,509,861   | 46.77   |
| 30-31   | .00170  | 96,256   | 164  | 96,174                      | 4,413,523   | 45.85   |
| 31-32   | .00170  | 96,092   | 163  | 96,010                      | 4,317,349   | 44.93   |
| 32-33   | .00170  | 95,929   | 163  | 95,847                      | 4,221,339   | 44.01   |
| 33-34   | .00171  | 95,766   | 164  | 95,684                      | 4,125,492   | 43.08   |
| 34-35   | .00173  | 95,602   | 165  | 95,519                      | 4,029,808   | 42.15   |
| 35-36   | .00175  | 95,437   | 167  | 95,354                      | 3,934,289   | 41.22   |
| 36-37   | .00178  | 95,270   | 170  | 95,185                      | 3,838,935   | 40.30   |
| 37-38   | .00184  | 95,100   | 175  | 95,012                      | 3,743,750   | 39.37   |
| 38-39   | .00193  | 94,925   | 183  | 94,833                      | 3,648,738   | 38.44   |
| 39-40   | .00204  | 94,742   | 193  | 94,646                      | 3,553,905   | 37.51   |
| 40-41   | .00218  | 94,549   | 206  | 94,446                      | 3,459,259   | 36.59   |
| 41-42   | .00233  | 94,343   | 219  | 94,233                      | 3,364,813   | 35.67   |
| 42-43   | .00247  | 94,124   | 233  | 94,007                      | 3,270,580   | 34.75   |
| 43-44   | .00261  | 93,891   | 245  | 93,769                      | 3,176,573   | 33.83   |
| 44-45   | .00275  | 93,646   | 258  | 93,516                      | 3,082,804   | 32.92   |
| 45-46   | .00292  | 93,388   | 273  | 93,252                      | 2,989,288   | 32.01   |
| 46-47   | .00315  | 93,115   | 293  | 92,969                      | 2,896,036   | 31.10   |
| 47-48   | .00345  | 92,822   | 320  | 92,662                      | 2,803,067   | 30.20   |
| 48-49   | .00383  | 92,502   | 355  | 92,324                      | 2,710,405   | 29.30   |
| 49-50   | .00430  | 92,147   | 395  | 91,950                      | 2,618,081   | 28.41   |
| 50-51   | .00484  | 91,752   | 445  | 91,530                      | 2,526,131   | 27.53   |
| 51-52   | .00544  | 91,307   | 497  | 91,058                      | 2,434,601   | 26.66   |
| 52-53   | .00605  | 90,810   | 549  | 90,536                      | 2,343,543   | 25.81   |
| 53-54   | .00663  | 90,261   | 599  | 89,961                      | 2,253,007   | 24.96   |
| 54-55   | .00721  | 89,662   | 647  | 89,339                      | 2,163,046   | 24.12   |

Table 5. Life table for white males: Montana, 1989-91—Con.

| Age<br>in years   | Proportion<br>dying   | Of 100,000<br>born alive                                     |  | Stationary<br>population    |   | Average<br>remaining lifetime   |
|---|---|--|--|-----------------------------|---|---|
|   |   | Number<br>living at<br>beginning of<br>year of<br>age<br>(3) | Number<br>dying<br>during<br>year of<br>age<br>(4) | In<br>year of<br>age<br>(5) | In this<br>year of age<br>and all<br>subsequent<br>years<br>(6) | Average<br>number of<br>years of life<br>remaining at<br>beginning of<br>year of age<br>(7) |
| Period of life<br>between two exact<br>ages stated<br>(1) | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year<br>(2) | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| x to x+1  | $q_x$   |  |  |                             |   |   |
| 55-56   | .00784  | 89,015   | 698  | 88,666                      | 2,073,707   | 23.30   |
| 56-57   | .00856  | 88,317   | 756  | 87,939                      | 1,985,041   | 22.48   |
| 57-58   | .00941  | 87,561   | 824  | 87,149                      | 1,897,102   | 21.67   |
| 58-59   | .01040  | 86,737   | 902  | 86,286                      | 1,809,953   | 20.87   |
| 59-60   | .01148  | 85,835   | 986  | 85,342                      | 1,723,667   | 20.08   |
| 60-61   | .01260  | 84,849   | 1,068  | 84,315                      | 1,638,325   | 19.31   |
| 61-62   | .01376  | 83,781   | 1,153  | 83,204                      | 1,554,010   | 18.55   |
| 62-63   | .01503  | 82,628   | 1,242  | 82,007                      | 1,470,806   | 17.80   |
| 63-64   | .01649  | 81,386   | 1,342  | 80,715                      | 1,388,799   | 17.06   |
| 64-65   | .01814  | 80,044   | 1,452  | 79,318                      | 1,308,084   | 16.34   |
| 65-66   | .01983  | 78,592   | 1,558  | 77,813                      | 1,228,766   | 15.63   |
| 66-67   | .02166  | 77,034   | 1,669  | 76,200                      | 1,150,953   | 14.94   |
| 67-68   | .02389  | 75,365   | 1,800  | 74,465                      | 1,074,753   | 14.26   |
| 68-69   | .02669  | 73,565   | 1,964  | 72,583                      | 1,000,288   | 13.60   |
| 69-70   | .02994  | 71,601   | 2,143  | 70,529                      | 927,705   | 12.96   |
| 70-71   | .03356  | 69,458   | 2,331  | 68,293                      | 857,176   | 12.34   |
| 71-72   | .03728  | 67,127   | 2,502  | 65,876                      | 788,883   | 11.75   |
| 72-73   | .04091  | 64,625   | 2,644  | 63,303                      | 723,007   | 11.19   |
| 73-74   | .04430  | 61,981   | 2,746  | 60,608                      | 659,704   | 10.64   |
| 74-75   | .04758  | 59,235   | 2,818  | 57,826                      | 599,096   | 10.11   |
| 75-76   | .05099  | 56,417   | 2,877  | 54,979                      | 541,270   | 9.59  |
| 76-77   | .05488  | 53,540   | 2,938  | 52,070                      | 486,291   | 9.08  |
| 77-78   | .05949  | 50,602   | 3,010  | 49,097                      | 434,221   | 8.58  |
| 78-79   | .06511  | 47,592   | 3,099  | 46,042                      | 385,124   | 8.09  |
| 79-80   | .07177  | 44,493   | 3,194  | 42,896                      | 339,082   | 7.62  |
| 80-81   | .07965  | 41,299   | 3,289  | 39,655                      | 296,186   | 7.17  |
| 81-82   | .08839  | 38,010   | 3,360  | 36,330                      | 256,531   | 6.75  |
| 82-83   | .09734  | 34,650   | 3,372  | 32,964                      | 220,201   | 6.35  |
| 83-84   | .10577  | 31,278   | 3,309  | 29,624                      | 187,237   | 5.99  |
| 84-85   | .11383  | 27,969   | 3,183  | 26,377                      | 157,613   | 5.64  |
| 85-86   | .12340  | 24,786   | 3,059  | 23,256                      | 131,236   | 5.29  |
| 86-87   | .13506  | 21,727   | 2,934  | 20,260                      | 107,980   | 4.97  |
| 87-88   | .14743  | 18,793   | 2,771  | 17,407                      | 87,720  | 4.67  |
| 88-89   | .15973  | 16,022   | 2,559  | 14,743                      | 70,313  | 4.39  |
| 89-90   | .17187  | 13,463   | 2,314  | 12,306                      | 55,570  | 4.13  |
| 90-91   | .18454  | 11,149   | 2,057  | 10,120                      | 43,264  | 3.88  |
| 91-92   | .19881  | 9,092  | 1,808  | 8,188                       | 33,144  | 3.65  |
| 92-93   | .21436  | 7,284  | 1,561  | 6,503                       | 24,956  | 3.43  |
| 93-94   | .23086  | 5,723  | 1,321  | 5,063                       | 18,453  | 3.22  |
| 94-95   | .24728  | 4,402  | 1,089  | 3,857                       | 13,390  | 3.04  |
| 95-96   | .26329  | 3,313  | 872  | 2,877                       | 9,533   | 2.88  |
| 96-97   | .27914  | 2,441  | 682  | 2,100                       | 6,656   | 2.73  |
| 97-98   | .29399  | 1,759  | 517  | 1,501                       | 4,556   | 2.59  |
| 98-99   | .30869  | 1,242  | 383  | 1,050                       | 3,055   | 2.46  |
| 99-100  | .32413  | 859  | 279  | 720                         | 2,005   | 2.33  |
| 100-101   | .34033  | 580  | 197  | 482                         | 1,285   | 2.21  |
| 101-102   | .35735  | 383  | 137  | 314                         | 803   | 2.10  |
| 102-103   | .37522  | 246  | 92   | 200                         | 489   | 1.99  |
| 103-104   | .39398  | 154  | 61   | 123                         | 289   | 1.88  |
| 104-105   | .41368  | 93   | 38   | 74                          | 166   | 1.78  |
| 105-106   | .43436  | 55   | 24   | 43                          | 92  | 1.68  |
| 106-107   | .45608  | 31   | 14   | 24                          | 49  | 1.58  |
| 107-108   | .47888  | 17   | 8  | 13                          | 25  | 1.49  |
| 108-109   | .50282  | 9  | 5  | 6                           | 12  | 1.41  |
| 109-110   | .52797  | 4  | 2  | 3                           | 6   | 1.32  |

**Table 6. Life table for white females: Montana, 1989–91**

| Age<br>in years   | Proportion<br>dying   | Of 100,000<br>born alive                                     |  | Stationary<br>population    |   | Average<br>remaining lifetime   |
|---|---|--|--|-----------------------------|---|---|
|   |   | Number<br>living at<br>beginning of<br>year of<br>age<br>(3) | Number<br>dying<br>during<br>year of<br>age<br>(4) | In<br>year of<br>age<br>(5) | In this<br>year of age<br>and all<br>subsequent<br>years<br>(6) | Average<br>number of<br>years of life<br>remaining at<br>beginning of<br>year of age<br>(7) |
| Period of life<br>between two exact<br>ages stated<br>(1) | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year<br>(2) | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| x to x+1  | $q_x$   | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| 0–1   | .00675  | 100,000  | 675  | 99,503                      | 7,992,370   | 79.92   |
| 1–2   | .00057  | 99,325   | 57   | 99,297                      | 7,892,867   | 79.47   |
| 2–3   | .00033  | 99,268   | 33   | 99,251                      | 7,793,570   | 78.51   |
| 3–4   | .00025  | 99,235   | 26   | 99,222                      | 7,694,319   | 77.54   |
| 4–5   | .00020  | 99,209   | 19   | 99,199                      | 7,595,097   | 76.56   |
| 5–6   | .00017  | 99,190   | 17   | 99,182                      | 7,495,898   | 75.57   |
| 6–7   | .00015  | 99,173   | 15   | 99,165                      | 7,396,716   | 74.58   |
| 7–8   | .00014  | 99,158   | 14   | 99,151                      | 7,297,551   | 73.60   |
| 8–9   | .00013  | 99,144   | 12   | 99,138                      | 7,198,400   | 72.61   |
| 9–10  | .00011  | 99,132   | 12   | 99,126                      | 7,099,262   | 71.61   |
| 10–11   | .00010  | 99,120   | 10   | 99,115                      | 7,000,136   | 70.62   |
| 11–12   | .00011  | 99,110   | 11   | 99,105                      | 6,901,021   | 69.63   |
| 12–13   | .00014  | 99,099   | 14   | 99,092                      | 6,801,916   | 68.64   |
| 13–14   | .00021  | 99,085   | 21   | 99,075                      | 6,702,824   | 67.65   |
| 14–15   | .00030  | 99,064   | 29   | 99,049                      | 6,603,749   | 66.66   |
| 15–16   | .00041  | 99,035   | 41   | 99,015                      | 6,504,700   | 65.68   |
| 16–17   | .00051  | 98,994   | 51   | 98,969                      | 6,405,685   | 64.71   |
| 17–18   | .00059  | 98,943   | 58   | 98,914                      | 6,306,716   | 63.74   |
| 18–19   | .00064  | 98,885   | 64   | 98,853                      | 6,207,802   | 62.78   |
| 19–20   | .00066  | 98,821   | 65   | 98,788                      | 6,108,949   | 61.82   |
| 20–21   | .00067  | 98,756   | 67   | 98,723                      | 6,010,161   | 60.86   |
| 21–22   | .00069  | 98,689   | 68   | 98,655                      | 5,911,438   | 59.90   |
| 22–23   | .00070  | 98,621   | 69   | 98,587                      | 5,812,783   | 58.94   |
| 23–24   | .00069  | 98,552   | 68   | 98,518                      | 5,714,196   | 57.98   |
| 24–25   | .00067  | 98,484   | 66   | 98,451                      | 5,615,678   | 57.02   |
| 25–26   | .00066  | 98,418   | 65   | 98,385                      | 5,517,227   | 56.06   |
| 26–27   | .00064  | 98,353   | 63   | 98,322                      | 5,418,842   | 55.10   |
| 27–28   | .00062  | 98,290   | 61   | 98,260                      | 5,320,520   | 54.13   |
| 28–29   | .00062  | 98,229   | 61   | 98,198                      | 5,222,260   | 53.16   |
| 29–30   | .00062  | 98,168   | 60   | 98,139                      | 5,124,062   | 52.20   |
| 30–31   | .00062  | 98,108   | 60   | 98,077                      | 5,025,923   | 51.23   |
| 31–32   | .00062  | 98,048   | 61   | 98,018                      | 4,927,846   | 50.26   |
| 32–33   | .00063  | 97,987   | 62   | 97,956                      | 4,829,828   | 49.29   |
| 33–34   | .00065  | 97,925   | 64   | 97,893                      | 4,731,872   | 48.32   |
| 34–35   | .00068  | 97,861   | 66   | 97,828                      | 4,633,979   | 47.35   |
| 35–36   | .00071  | 97,795   | 69   | 97,761                      | 4,536,151   | 46.38   |
| 36–37   | .00074  | 97,726   | 73   | 97,690                      | 4,438,390   | 45.42   |
| 37–38   | .00079  | 97,653   | 77   | 97,615                      | 4,340,700   | 44.45   |
| 38–39   | .00086  | 97,576   | 84   | 97,534                      | 4,243,085   | 43.48   |
| 39–40   | .00094  | 97,492   | 91   | 97,446                      | 4,145,551   | 42.52   |
| 40–41   | .00103  | 97,401   | 101  | 97,351                      | 4,048,105   | 41.56   |
| 41–42   | .00114  | 97,300   | 111  | 97,244                      | 3,950,754   | 40.60   |
| 42–43   | .00126  | 97,189   | 123  | 97,127                      | 3,853,510   | 39.65   |
| 43–44   | .00138  | 97,066   | 134  | 96,999                      | 3,756,383   | 38.70   |
| 44–45   | .00151  | 96,932   | 147  | 96,859                      | 3,659,384   | 37.75   |
| 45–46   | .00167  | 96,785   | 161  | 96,704                      | 3,562,525   | 36.81   |
| 46–47   | .00186  | 96,624   | 180  | 96,535                      | 3,465,821   | 35.87   |
| 47–48   | .00209  | 96,444   | 201  | 96,343                      | 3,369,286   | 34.94   |
| 48–49   | .00237  | 96,243   | 229  | 96,128                      | 3,272,943   | 34.01   |
| 49–50   | .00269  | 96,014   | 258  | 95,886                      | 3,176,815   | 33.09   |
| 50–51   | .00304  | 95,756   | 291  | 95,610                      | 3,080,929   | 32.17   |
| 51–52   | .00343  | 95,465   | 327  | 95,301                      | 2,985,319   | 31.27   |
| 52–53   | .00383  | 95,138   | 364  | 94,956                      | 2,890,018   | 30.38   |
| 53–54   | .00423  | 94,774   | 401  | 94,574                      | 2,795,062   | 29.49   |
| 54–55   | .00464  | 94,373   | 438  | 94,154                      | 2,700,488   | 28.61   |

Table 6. Life table for white females: Montana, 1989-91—Con.

| Age<br>in years   | Proportion<br>dying   | Of 100,000<br>born alive                                     |  | Stationary<br>population    |   | Average<br>remaining lifetime   |
|---|---|--|--|-----------------------------|---|---|
|   |   | Number<br>living at<br>beginning of<br>year of<br>age<br>(3) | Number<br>dying<br>during<br>year of<br>age<br>(4) | In<br>year of<br>age<br>(5) | In this<br>year of age<br>and all<br>subsequent<br>years<br>(6) | Average<br>number of<br>years of life<br>remaining at<br>beginning of<br>year of age<br>(7) |
| Period of life<br>between two exact<br>ages stated<br>(1) | Proportion of<br>persons alive<br>at beginning of<br>year of age<br>dying during<br>year<br>(2) | $l_x$  | $d_x$  | $L_x$                       | $T_x$   | ${}^o e_x$  |
| x to x+1  | $q_x$   |  |  |                             |   |   |
| 55-56   | .00510  | 93,935   | 478  | 93,696                      | 2,606,334   | 27.75   |
| 56-57   | .00560  | 93,457   | 524  | 93,195                      | 2,512,638   | 26.89   |
| 57-58   | .00609  | 92,933   | 566  | 92,650                      | 2,419,443   | 26.03   |
| 58-59   | .00655  | 92,367   | 605  | 92,065                      | 2,326,793   | 25.19   |
| 59-60   | .00701  | 91,762   | 643  | 91,440                      | 2,234,728   | 24.35   |
| 60-61   | .00746  | 91,119   | 680  | 90,779                      | 2,143,288   | 23.52   |
| 61-62   | .00799  | 90,439   | 723  | 90,077                      | 2,052,509   | 22.70   |
| 62-63   | .00869  | 89,716   | 780  | 89,326                      | 1,962,432   | 21.87   |
| 63-64   | .00963  | 88,936   | 856  | 88,508                      | 1,873,106   | 21.06   |
| 64-65   | .01078  | 88,080   | 950  | 87,605                      | 1,784,598   | 20.26   |
| 65-66   | .01202  | 87,130   | 1,047  | 86,607                      | 1,696,993   | 19.48   |
| 66-67   | .01330  | 86,083   | 1,145  | 85,510                      | 1,610,386   | 18.71   |
| 67-68   | .01467  | 84,938   | 1,246  | 84,316                      | 1,524,876   | 17.95   |
| 68-69   | .01612  | 83,692   | 1,349  | 83,017                      | 1,440,560   | 17.21   |
| 69-70   | .01767  | 82,343   | 1,455  | 81,615                      | 1,357,543   | 16.49   |
| 70-71   | .01929  | 80,888   | 1,560  | 80,108                      | 1,275,928   | 15.77   |
| 71-72   | .02102  | 79,328   | 1,668  | 78,494                      | 1,195,820   | 15.07   |
| 72-73   | .02291  | 77,660   | 1,779  | 76,770                      | 1,117,326   | 14.39   |
| 73-74   | .02500  | 75,881   | 1,897  | 74,933                      | 1,040,556   | 13.71   |
| 74-75   | .02732  | 73,984   | 2,022  | 72,973                      | 965,623   | 13.05   |
| 75-76   | .02988  | 71,962   | 2,150  | 70,888                      | 892,650   | 12.40   |
| 76-77   | .03265  | 69,812   | 2,279  | 68,672                      | 821,762   | 11.77   |
| 77-78   | .03572  | 67,533   | 2,413  | 66,327                      | 753,090   | 11.15   |
| 78-79   | .03915  | 65,120   | 2,549  | 63,846                      | 686,763   | 10.55   |
| 79-80   | .04299  | 62,571   | 2,690  | 61,226                      | 622,917   | 9.96  |
| 80-81   | .04728  | 59,881   | 2,831  | 58,466                      | 561,691   | 9.38  |
| 81-82   | .05213  | 57,050   | 2,974  | 55,563                      | 503,225   | 8.82  |
| 82-83   | .05769  | 54,076   | 3,119  | 52,516                      | 447,662   | 8.28  |
| 83-84   | .06405  | 50,957   | 3,264  | 49,325                      | 395,146   | 7.75  |
| 84-85   | .07127  | 47,693   | 3,399  | 45,994                      | 345,821   | 7.25  |
| 85-86   | .08012  | 44,294   | 3,549  | 42,520                      | 299,827   | 6.77  |
| 86-87   | .09008  | 40,745   | 3,670  | 38,910                      | 257,307   | 6.32  |
| 87-88   | .10058  | 37,075   | 3,729  | 35,210                      | 218,397   | 5.89  |
| 88-89   | .11131  | 33,346   | 3,712  | 31,490                      | 183,187   | 5.49  |
| 89-90   | .12260  | 29,634   | 3,633  | 27,817                      | 151,697   | 5.12  |
| 90-91   | .13541  | 26,001   | 3,521  | 24,241                      | 123,880   | 4.76  |
| 91-92   | .15005  | 22,480   | 3,373  | 20,793                      | 99,639  | 4.43  |
| 92-93   | .16579  | 19,107   | 3,168  | 17,523                      | 78,846  | 4.13  |
| 93-94   | .18228  | 15,939   | 2,905  | 14,487                      | 61,323  | 3.85  |
| 94-95   | .19950  | 13,034   | 2,600  | 11,734                      | 46,836  | 3.59  |
| 95-96   | .21737  | 10,434   | 2,268  | 9,299                       | 35,102  | 3.36  |
| 96-97   | .23434  | 8,166  | 1,914  | 7,209                       | 25,803  | 3.16  |
| 97-98   | .25091  | 6,252  | 1,569  | 5,468                       | 18,594  | 2.97  |
| 98-99   | .26715  | 4,683  | 1,251  | 4,057                       | 13,126  | 2.80  |
| 99-100  | .28318  | 3,432  | 972  | 2,947                       | 9,069   | 2.64  |
| 100-101   | .30017  | 2,460  | 738  | 2,091                       | 6,122   | 2.49  |
| 101-102   | .31818  | 1,722  | 548  | 1,448                       | 4,031   | 2.34  |
| 102-103   | .33727  | 1,174  | 396  | 975                         | 2,583   | 2.20  |
| 103-104   | .35750  | 778  | 278  | 639                         | 1,608   | 2.07  |
| 104-105   | .37895  | 500  | 190  | 406                         | 969   | 1.94  |
| 105-106   | .40169  | 310  | 124  | 248                         | 563   | 1.81  |
| 106-107   | .42579  | 186  | 79   | 146                         | 315   | 1.70  |
| 107-108   | .45134  | 107  | 48   | 82                          | 169   | 1.59  |
| 108-109   | .47842  | 59   | 28   | 45                          | 87  | 1.48  |
| 109-110   | .50712  | 31   | 16   | 23                          | 42  | 1.38  |

**Table 7. Standard errors of the probability of dying: Montana, 1989–91**

| Exact age in years | Total      |         |         | White      |         |         | All other  |      |        |            |      |        |
|--------------------|------------|---------|---------|------------|---------|---------|------------|------|--------|------------|------|--------|
|                    | Both sexes | Male    | Female  | Both sexes | Male    | Female  | Total      |      |        | Black      |      |        |
|                    |            |         |         |            |         |         | Both sexes | Male | Female | Both sexes | Male | Female |
| 0                  | .000509    | .000758 | .000676 | .000511    | .000764 | .000673 | *          | *    | *      | *          | *    | *      |
| 1                  | .000147    | .000221 | .000193 | .000149    | .000222 | .000196 | *          | *    | *      | *          | *    | *      |
| 2                  | .000118    | .000183 | .000148 | .000120    | .000186 | .000148 | *          | *    | *      | *          | *    | *      |
| 3                  | .000101    | .000155 | .000128 | .000101    | .000156 | .000127 | *          | *    | *      | *          | *    | *      |
| 4                  | .000088    | .000137 | .000111 | .000089    | .000139 | .000110 | *          | *    | *      | *          | *    | *      |
| 5                  | .000083    | .000127 | .000104 | .000081    | .000127 | .000100 | *          | *    | *      | *          | *    | *      |
| 6                  | .000078    | .000121 | .000098 | .000077    | .000121 | .000094 | *          | *    | *      | *          | *    | *      |
| 7                  | .000075    | .000117 | .000094 | .000074    | .000117 | .000090 | *          | *    | *      | *          | *    | *      |
| 8                  | .000072    | .000112 | .000089 | .000071    | .000113 | .000086 | *          | *    | *      | *          | *    | *      |
| 9                  | .000068    | .000107 | .000083 | .000068    | .000108 | .000081 | *          | *    | *      | *          | *    | *      |
| 10                 | .000065    | .000103 | .000078 | .000066    | .000106 | .000078 | *          | *    | *      | *          | *    | *      |
| 11                 | .000067    | .000107 | .000078 | .000069    | .000111 | .000081 | *          | *    | *      | *          | *    | *      |
| 12                 | .000077    | .000125 | .000088 | .000080    | .000128 | .000092 | *          | *    | *      | *          | *    | *      |
| 13                 | .000096    | .000155 | .000109 | .000098    | .000157 | .000113 | *          | *    | *      | *          | *    | *      |
| 14                 | .000117    | .000188 | .000133 | .000119    | .000191 | .000137 | *          | *    | *      | *          | *    | *      |
| 15                 | .000138    | .000221 | .000158 | .000139    | .000223 | .000161 | *          | *    | *      | *          | *    | *      |
| 16                 | .000156    | .000250 | .000178 | .000157    | .000251 | .000181 | *          | *    | *      | *          | *    | *      |
| 17                 | .000171    | .000275 | .000196 | .000172    | .000277 | .000198 | *          | *    | *      | *          | *    | *      |
| 18                 | .000185    | .000298 | .000209 | .000185    | .000299 | .000210 | *          | *    | *      | *          | *    | *      |
| 19                 | .000197    | .000321 | .000220 | .000196    | .000320 | .000218 | *          | *    | *      | *          | *    | *      |
| 20                 | .000210    | .000346 | .000231 | .000208    | .000343 | .000226 | *          | *    | *      | *          | *    | *      |
| 21                 | .000224    | .000372 | .000242 | .000220    | .000368 | .000234 | *          | *    | *      | *          | *    | *      |
| 22                 | .000231    | .000388 | .000247 | .000227    | .000383 | .000237 | *          | *    | *      | *          | *    | *      |
| 23                 | .000230    | .000389 | .000242 | .000225    | .000384 | .000233 | *          | *    | *      | *          | *    | *      |
| 24                 | .000222    | .000378 | .000232 | .000218    | .000374 | .000225 | *          | *    | *      | *          | *    | *      |
| 25                 | .000213    | .000365 | .000221 | .000210    | .000361 | .000216 | *          | *    | *      | *          | *    | *      |
| 26                 | .000205    | .000353 | .000212 | .000203    | .000349 | .000208 | *          | *    | *      | *          | *    | *      |
| 27                 | .000198    | .000341 | .000203 | .000196    | .000338 | .000200 | *          | *    | *      | *          | *    | *      |
| 28                 | .000191    | .000331 | .000197 | .000190    | .000329 | .000194 | *          | *    | *      | *          | *    | *      |
| 29                 | .000186    | .000322 | .000193 | .000185    | .000321 | .000189 | *          | *    | *      | *          | *    | *      |
| 30                 | .000181    | .000313 | .000190 | .000180    | .000314 | .000185 | *          | *    | *      | *          | *    | *      |
| 31                 | .000177    | .000305 | .000187 | .000176    | .000307 | .000182 | *          | *    | *      | *          | *    | *      |
| 32                 | .000175    | .000300 | .000186 | .000174    | .000302 | .000180 | *          | *    | *      | *          | *    | *      |
| 33                 | .000175    | .000299 | .000187 | .000174    | .000300 | .000182 | *          | *    | *      | *          | *    | *      |
| 34                 | .000177    | .000301 | .000191 | .000175    | .000300 | .000185 | *          | *    | *      | *          | *    | *      |
| 35                 | .000180    | .000304 | .000196 | .000177    | .000300 | .000190 | *          | *    | *      | *          | *    | *      |
| 36                 | .000184    | .000308 | .000201 | .000180    | .000302 | .000195 | *          | *    | *      | *          | *    | *      |
| 37                 | .000189    | .000314 | .000209 | .000185    | .000307 | .000203 | *          | *    | *      | *          | *    | *      |
| 38                 | .000196    | .000323 | .000219 | .000191    | .000316 | .000213 | *          | *    | *      | *          | *    | *      |
| 39                 | .000204    | .000334 | .000232 | .000200    | .000328 | .000226 | *          | *    | *      | *          | *    | *      |
| 40                 | .000215    | .000347 | .000248 | .000211    | .000343 | .000242 | *          | *    | *      | *          | *    | *      |
| 41                 | .000226    | .000363 | .000265 | .000224    | .000359 | .000259 | *          | *    | *      | *          | *    | *      |
| 42                 | .000240    | .000381 | .000284 | .000237    | .000377 | .000278 | *          | *    | *      | *          | *    | *      |
| 43                 | .000254    | .000402 | .000305 | .000251    | .000397 | .000298 | *          | *    | *      | *          | *    | *      |
| 44                 | .000271    | .000427 | .000328 | .000266    | .000419 | .000321 | *          | *    | *      | *          | *    | *      |
| 45                 | .000291    | .000457 | .000354 | .000285    | .000447 | .000347 | *          | *    | *      | *          | *    | *      |
| 46                 | .000315    | .000493 | .000385 | .000307    | .000479 | .000377 | *          | *    | *      | *          | *    | *      |
| 47                 | .000340    | .000532 | .000420 | .000332    | .000518 | .000411 | *          | *    | *      | *          | *    | *      |
| 48                 | .000367    | .000572 | .000456 | .000359    | .000560 | .000447 | *          | *    | *      | *          | *    | *      |
| 49                 | .000394    | .000612 | .000493 | .000388    | .000604 | .000484 | *          | *    | *      | *          | *    | *      |
| 50                 | .000422    | .000655 | .000531 | .000418    | .000652 | .000522 | *          | *    | *      | *          | *    | *      |
| 51                 | .000453    | .000702 | .000571 | .000451    | .000704 | .000562 | *          | *    | *      | *          | *    | *      |
| 52                 | .000482    | .000749 | .000608 | .000482    | .000754 | .000601 | *          | *    | *      | *          | *    | *      |
| 53                 | .000511    | .000795 | .000643 | .000512    | .000801 | .000638 | *          | *    | *      | *          | *    | *      |
| 54                 | .000539    | .000841 | .000677 | .000540    | .000845 | .000675 | *          | *    | *      | *          | *    | *      |
| 55                 | .000568    | .000889 | .000712 | .000570    | .000891 | .000714 | *          | *    | *      | *          | *    | *      |
| 56                 | .000598    | .000939 | .000748 | .000601    | .000940 | .000753 | *          | *    | *      | *          | *    | *      |
| 57                 | .000628    | .000989 | .000781 | .000631    | .000990 | .000787 | *          | *    | *      | *          | *    | *      |
| 58                 | .000655    | .001037 | .000808 | .000658    | .001039 | .000815 | *          | *    | *      | *          | *    | *      |
| 59                 | .000680    | .001082 | .000833 | .000684    | .001086 | .000838 | *          | *    | *      | *          | *    | *      |



**Table 7. Standard errors of the probability of dying: Montana, 1989–91—Con.**

| Exact age in years | Total      |         |         | White      |         |         | All other  |      |        |            |      |        |
|--------------------|------------|---------|---------|------------|---------|---------|------------|------|--------|------------|------|--------|
|                    |            |         |         |            |         |         | Total      |      |        | Black      |      |        |
|                    | Both sexes | Male    | Female  | Both sexes | Male    | Female  | Both sexes | Male | Female | Both sexes | Male | Female |
| 60                 | .000703    | .001124 | .000854 | .000707    | .001129 | .000859 | *          | *    | *      | *          | *    | *      |
| 61                 | .000727    | .001167 | .000879 | .000731    | .001173 | .000883 | *          | *    | *      | *          | *    | *      |
| 62                 | .000757    | .001216 | .000914 | .000761    | .001223 | .000917 | *          | *    | *      | *          | *    | *      |
| 63                 | .000794    | .001274 | .000962 | .000799    | .001283 | .000964 | *          | *    | *      | *          | *    | *      |
| 64                 | .000838    | .001343 | .001021 | .000843    | .001354 | .001022 | *          | *    | *      | *          | *    | *      |
| 65                 | .000884    | .001413 | .001082 | .000889    | .001426 | .001082 | *          | *    | *      | *          | *    | *      |
| 66                 | .000930    | .001487 | .001143 | .000935    | .001501 | .001142 | *          | *    | *      | *          | *    | *      |
| 67                 | .000983    | .001577 | .001205 | .000988    | .001592 | .001203 | *          | *    | *      | *          | *    | *      |
| 68                 | .001043    | .001688 | .001267 | .001048    | .001702 | .001267 | *          | *    | *      | *          | *    | *      |
| 69                 | .001108    | .001816 | .001330 | .001114    | .001826 | .001333 | *          | *    | *      | *          | *    | *      |
| 70                 | .001178    | .001955 | .001396 | .001184    | .001962 | .001402 | *          | *    | *      | *          | *    | *      |
| 71                 | .001251    | .002099 | .001466 | .001257    | .002104 | .001476 | *          | *    | *      | *          | *    | *      |
| 72                 | .001327    | .002247 | .001545 | .001333    | .002250 | .001558 | *          | *    | *      | *          | *    | *      |
| 73                 | .001408    | .002396 | .001638 | .001416    | .002401 | .001654 | *          | *    | *      | *          | *    | *      |
| 74                 | .001496    | .002555 | .001744 | .001506    | .002563 | .001762 | *          | *    | *      | *          | *    | *      |
| 75                 | .001593    | .002729 | .001862 | .001605    | .002743 | .001883 | *          | *    | *      | *          | *    | *      |
| 76                 | .001702    | .002930 | .001992 | .001717    | .002950 | .002016 | *          | *    | *      | *          | *    | *      |
| 77                 | .001830    | .003167 | .002140 | .001847    | .003192 | .002166 | *          | *    | *      | *          | *    | *      |
| 78                 | .001980    | .003451 | .002311 | .001998    | .003480 | .002336 | *          | *    | *      | *          | *    | *      |
| 79                 | .002156    | .003788 | .002508 | .002174    | .003818 | .002532 | *          | *    | *      | *          | *    | *      |
| 80                 | .002362    | .004187 | .002735 | .002379    | .004220 | .002755 | *          | *    | *      | *          | *    | *      |
| 81                 | .002597    | .004651 | .002996 | .002614    | .004685 | .003012 | *          | *    | *      | *          | *    | *      |
| 82                 | .002861    | .005171 | .003292 | .002878    | .005210 | .003308 | *          | *    | *      | *          | *    | *      |
| 83                 | .003151    | .005746 | .003626 | .003170    | .005790 | .003646 | *          | *    | *      | *          | *    | *      |
| 84                 | .003474    | .006394 | .004005 | .003500    | .006449 | .004032 | *          | *    | *      | *          | *    | *      |
| 85                 | .003863    | .007201 | .004460 | .003897    | .007272 | .004498 | *          | *    | *      | *          | *    | *      |
| 86                 | .004333    | .008221 | .004991 | .004377    | .008314 | .005041 | *          | *    | *      | *          | *    | *      |
| 87                 | .004874    | .009435 | .005593 | .004928    | .009552 | .005654 | *          | *    | *      | *          | *    | *      |
| 88                 | .005486    | .010825 | .006270 | .005546    | .010961 | .006339 | *          | *    | *      | *          | *    | *      |
| 89                 | .006186    | .012409 | .007049 | .006250    | .012559 | .007122 | *          | *    | *      | *          | *    | *      |
| 90                 | .007036    | .014372 | .007991 | .007104    | .014529 | .008070 | *          | *    | *      | *          | *    | *      |
| 91                 | .008094    | .016949 | .009142 | .008169    | .017117 | .009230 | *          | *    | *      | *          | *    | *      |
| 92                 | .009341    | .020097 | .010483 | .009426    | .020280 | .010584 | *          | *    | *      | *          | *    | *      |
| 93                 | .010741    | .023641 | .011992 | .010841    | .023866 | .012108 | *          | *    | *      | *          | *    | *      |
| 94                 | .012271    | .027301 | .013676 | .012393    | .027610 | .013810 | *          | *    | *      | *          | *    | *      |
| 95                 | .014387    | .030892 | .016370 | .014591    | .031432 | .016601 | *          | *    | *      | *          | *    | *      |
| 96                 | .017095    | .036876 | .019439 | .017360    | .037683 | .019724 | *          | *    | *      | *          | *    | *      |
| 97                 | .020530    | .044608 | .023318 | .020879    | .045769 | .023681 | *          | *    | *      | *          | *    | *      |
| 98                 | .025049    | .055278 | .028417 | .025565    | .056761 | .028964 | *          | *    | *      | *          | *    | *      |
| 99                 | .030417    | .068528 | .034303 | .031149    | .070920 | .035046 | *          | *    | *      | *          | *    | *      |
| 100                | .037706    | .085848 | .042405 | .038842    | .089531 | .043564 | *          | *    | *      | *          | *    | *      |
| 101                | .047648    | .109042 | .053518 | .049391    | .114495 | .055325 | *          | *    | *      | *          | *    | *      |
| 102                | .061472    | .142100 | .068883 | .064184    | .151155 | .071642 | *          | *    | *      | *          | *    | *      |
| 103                | .081234    | .187685 | .091054 | .085668    | .203081 | .095506 | *          | *    | *      | *          | *    | *      |
| 104                | .105999    | .254745 | .117812 | .114238    | .286629 | .125949 | *          | *    | *      | *          | *    | *      |
| 105                | .137589    | .332893 | .152772 | .151398    | .386122 | .166512 | *          | *    | *      | *          | *    | *      |
| 106                | .189158    | .438380 | .212030 | .216906    | .577112 | .237022 | *          | *    | *      | *          | *    | *      |
| 107                | .243981    | .572125 | .272880 | .281286    | .684883 | .312368 | *          | *    | *      | *          | *    | *      |
| 108                | .346804    | .764794 | .393422 | .426032    | .999999 | .470430 | *          | *    | *      | *          | *    | *      |
| 109                | .476727    | .990558 | .549290 | .601850    | .999999 | .660279 | *          | *    | *      | *          | *    | *      |

\* Figure does not meet standards of reliability and precision.

**Table 8. Standard errors of the average remaining lifetime: Montana, 1989–91**

| Exact age in years | Total      |      |        | White      |      |        | All other  |      |        |            |      |        |
|--------------------|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
|                    |            |      |        |            |      |        | Total      |      |        | Black      |      |        |
|                    | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 0                  | .103       | .146 | .140   | .104       | .148 | .141   | *          | *    | *      | *          | *    | *      |
| 1                  | .096       | .136 | .131   | .097       | .138 | .132   | *          | *    | *      | *          | *    | *      |
| 2                  | .096       | .135 | .130   | .097       | .137 | .131   | *          | *    | *      | *          | *    | *      |
| 3                  | .095       | .135 | .129   | .096       | .136 | .130   | *          | *    | *      | *          | *    | *      |
| 4                  | .095       | .134 | .129   | .096       | .136 | .130   | *          | *    | *      | *          | *    | *      |
| 5                  | .095       | .134 | .129   | .096       | .135 | .130   | *          | *    | *      | *          | *    | *      |
| 6                  | .095       | .134 | .129   | .096       | .135 | .129   | *          | *    | *      | *          | *    | *      |
| 7                  | .095       | .133 | .129   | .096       | .135 | .129   | *          | *    | *      | *          | *    | *      |
| 8                  | .095       | .133 | .128   | .096       | .135 | .129   | *          | *    | *      | *          | *    | *      |
| 9                  | .095       | .133 | .128   | .095       | .135 | .129   | *          | *    | *      | *          | *    | *      |
| 10                 | .094       | .133 | .128   | .095       | .134 | .129   | *          | *    | *      | *          | *    | *      |
| 11                 | .094       | .133 | .128   | .095       | .134 | .129   | *          | *    | *      | *          | *    | *      |
| 12                 | .094       | .133 | .128   | .095       | .134 | .129   | *          | *    | *      | *          | *    | *      |
| 13                 | .094       | .132 | .128   | .095       | .134 | .129   | *          | *    | *      | *          | *    | *      |
| 14                 | .094       | .132 | .128   | .095       | .134 | .128   | *          | *    | *      | *          | *    | *      |
| 15                 | .094       | .132 | .127   | .095       | .133 | .128   | *          | *    | *      | *          | *    | *      |
| 16                 | .093       | .131 | .127   | .094       | .133 | .128   | *          | *    | *      | *          | *    | *      |
| 17                 | .093       | .131 | .127   | .094       | .132 | .127   | *          | *    | *      | *          | *    | *      |
| 18                 | .093       | .130 | .126   | .093       | .131 | .127   | *          | *    | *      | *          | *    | *      |
| 19                 | .092       | .129 | .125   | .093       | .130 | .126   | *          | *    | *      | *          | *    | *      |
| 20                 | .091       | .128 | .125   | .092       | .129 | .125   | *          | *    | *      | *          | *    | *      |
| 21                 | .091       | .127 | .124   | .092       | .128 | .125   | *          | *    | *      | *          | *    | *      |
| 22                 | .090       | .125 | .123   | .091       | .127 | .124   | *          | *    | *      | *          | *    | *      |
| 23                 | .089       | .124 | .123   | .090       | .126 | .123   | *          | *    | *      | *          | *    | *      |
| 24                 | .088       | .123 | .122   | .089       | .124 | .123   | *          | *    | *      | *          | *    | *      |
| 25                 | .088       | .121 | .121   | .089       | .123 | .122   | *          | *    | *      | *          | *    | *      |
| 26                 | .087       | .120 | .121   | .088       | .122 | .122   | *          | *    | *      | *          | *    | *      |
| 27                 | .087       | .119 | .120   | .088       | .121 | .121   | *          | *    | *      | *          | *    | *      |
| 28                 | .086       | .118 | .120   | .087       | .120 | .121   | *          | *    | *      | *          | *    | *      |
| 29                 | .086       | .118 | .120   | .087       | .119 | .120   | *          | *    | *      | *          | *    | *      |
| 30                 | .085       | .117 | .119   | .086       | .118 | .120   | *          | *    | *      | *          | *    | *      |
| 31                 | .085       | .116 | .119   | .086       | .118 | .120   | *          | *    | *      | *          | *    | *      |
| 32                 | .085       | .116 | .119   | .086       | .117 | .120   | *          | *    | *      | *          | *    | *      |
| 33                 | .084       | .115 | .118   | .085       | .117 | .119   | *          | *    | *      | *          | *    | *      |
| 34                 | .084       | .115 | .118   | .085       | .116 | .119   | *          | *    | *      | *          | *    | *      |
| 35                 | .084       | .114 | .118   | .085       | .116 | .119   | *          | *    | *      | *          | *    | *      |
| 36                 | .084       | .114 | .118   | .085       | .115 | .119   | *          | *    | *      | *          | *    | *      |
| 37                 | .083       | .113 | .117   | .084       | .115 | .118   | *          | *    | *      | *          | *    | *      |
| 38                 | .083       | .113 | .117   | .084       | .114 | .118   | *          | *    | *      | *          | *    | *      |
| 39                 | .083       | .113 | .117   | .084       | .114 | .118   | *          | *    | *      | *          | *    | *      |
| 40                 | .083       | .112 | .117   | .084       | .114 | .118   | *          | *    | *      | *          | *    | *      |
| 41                 | .082       | .112 | .116   | .083       | .113 | .117   | *          | *    | *      | *          | *    | *      |
| 42                 | .082       | .111 | .116   | .083       | .113 | .117   | *          | *    | *      | *          | *    | *      |
| 43                 | .082       | .111 | .116   | .083       | .112 | .117   | *          | *    | *      | *          | *    | *      |
| 44                 | .082       | .110 | .115   | .082       | .112 | .116   | *          | *    | *      | *          | *    | *      |
| 45                 | .081       | .110 | .115   | .082       | .111 | .116   | *          | *    | *      | *          | *    | *      |
| 46                 | .081       | .109 | .114   | .082       | .111 | .115   | *          | *    | *      | *          | *    | *      |
| 47                 | .080       | .108 | .114   | .081       | .110 | .115   | *          | *    | *      | *          | *    | *      |
| 48                 | .080       | .108 | .113   | .081       | .109 | .114   | *          | *    | *      | *          | *    | *      |
| 49                 | .079       | .107 | .112   | .080       | .108 | .113   | *          | *    | *      | *          | *    | *      |
| 50                 | .079       | .106 | .111   | .080       | .108 | .113   | *          | *    | *      | *          | *    | *      |
| 51                 | .078       | .105 | .111   | .079       | .107 | .112   | *          | *    | *      | *          | *    | *      |
| 52                 | .077       | .104 | .110   | .078       | .106 | .111   | *          | *    | *      | *          | *    | *      |
| 53                 | .077       | .103 | .109   | .078       | .104 | .110   | *          | *    | *      | *          | *    | *      |
| 54                 | .076       | .102 | .107   | .077       | .103 | .108   | *          | *    | *      | *          | *    | *      |
| 55                 | .075       | .101 | .106   | .076       | .102 | .107   | *          | *    | *      | *          | *    | *      |
| 56                 | .074       | .099 | .105   | .075       | .101 | .106   | *          | *    | *      | *          | *    | *      |
| 57                 | .073       | .098 | .104   | .074       | .099 | .105   | *          | *    | *      | *          | *    | *      |
| 58                 | .072       | .097 | .102   | .073       | .098 | .103   | *          | *    | *      | *          | *    | *      |
| 59                 | .071       | .095 | .101   | .072       | .097 | .102   | *          | *    | *      | *          | *    | *      |

**Table 8. Standard errors of the average remaining lifetime: Montana, 1989–91—Con.**

| Exact age in years | Total      |       |        | White      |       |        | All other  |      |        |            |      |        |
|--------------------|------------|-------|--------|------------|-------|--------|------------|------|--------|------------|------|--------|
|                    |            |       |        |            |       |        | Total      |      |        | Black      |      |        |
|                    | Both sexes | Male  | Female | Both sexes | Male  | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 60                 | .070       | .094  | .100   | .071       | .095  | .101   | *          | *    | *      | *          | *    | *      |
| 61                 | .070       | .093  | .099   | .070       | .094  | .100   | *          | *    | *      | *          | *    | *      |
| 62                 | .069       | .092  | .097   | .070       | .093  | .098   | *          | *    | *      | *          | *    | *      |
| 63                 | .068       | .091  | .096   | .069       | .092  | .097   | *          | *    | *      | *          | *    | *      |
| 64                 | .067       | .089  | .095   | .068       | .091  | .096   | *          | *    | *      | *          | *    | *      |
| 65                 | .066       | .088  | .094   | .067       | .090  | .095   | *          | *    | *      | *          | *    | *      |
| 66                 | .066       | .087  | .093   | .066       | .089  | .094   | *          | *    | *      | *          | *    | *      |
| 67                 | .065       | .087  | .092   | .066       | .088  | .092   | *          | *    | *      | *          | *    | *      |
| 68                 | .064       | .086  | .091   | .065       | .087  | .091   | *          | *    | *      | *          | *    | *      |
| 69                 | .064       | .085  | .089   | .064       | .086  | .090   | *          | *    | *      | *          | *    | *      |
| 70                 | .063       | .084  | .088   | .064       | .085  | .089   | *          | *    | *      | *          | *    | *      |
| 71                 | .063       | .084  | .087   | .063       | .085  | .088   | *          | *    | *      | *          | *    | *      |
| 72                 | .062       | .083  | .087   | .063       | .084  | .087   | *          | *    | *      | *          | *    | *      |
| 73                 | .062       | .083  | .086   | .062       | .084  | .086   | *          | *    | *      | *          | *    | *      |
| 74                 | .061       | .083  | .085   | .062       | .084  | .085   | *          | *    | *      | *          | *    | *      |
| 75                 | .061       | .083  | .084   | .061       | .084  | .085   | *          | *    | *      | *          | *    | *      |
| 76                 | .061       | .083  | .083   | .061       | .084  | .084   | *          | *    | *      | *          | *    | *      |
| 77                 | .061       | .083  | .083   | .061       | .084  | .083   | *          | *    | *      | *          | *    | *      |
| 78                 | .061       | .083  | .082   | .061       | .084  | .083   | *          | *    | *      | *          | *    | *      |
| 79                 | .061       | .084  | .082   | .061       | .085  | .082   | *          | *    | *      | *          | *    | *      |
| 80                 | .061       | .085  | .082   | .061       | .086  | .082   | *          | *    | *      | *          | *    | *      |
| 81                 | .061       | .086  | .081   | .061       | .087  | .082   | *          | *    | *      | *          | *    | *      |
| 82                 | .061       | .088  | .081   | .062       | .089  | .082   | *          | *    | *      | *          | *    | *      |
| 83                 | .062       | .090  | .081   | .062       | .091  | .081   | *          | *    | *      | *          | *    | *      |
| 84                 | .063       | .093  | .082   | .063       | .093  | .082   | *          | *    | *      | *          | *    | *      |
| 85                 | .064       | .096  | .082   | .064       | .096  | .082   | *          | *    | *      | *          | *    | *      |
| 86                 | .065       | .100  | .083   | .065       | .100  | .083   | *          | *    | *      | *          | *    | *      |
| 87                 | .067       | .105  | .084   | .067       | .105  | .084   | *          | *    | *      | *          | *    | *      |
| 88                 | .069       | .110  | .085   | .069       | .110  | .085   | *          | *    | *      | *          | *    | *      |
| 89                 | .071       | .116  | .087   | .071       | .116  | .087   | *          | *    | *      | *          | *    | *      |
| 90                 | .074       | .124  | .090   | .073       | .124  | .090   | *          | *    | *      | *          | *    | *      |
| 91                 | .077       | .133  | .093   | .077       | .132  | .093   | *          | *    | *      | *          | *    | *      |
| 92                 | .081       | .143  | .097   | .081       | .142  | .097   | *          | *    | *      | *          | *    | *      |
| 93                 | .086       | .154  | .103   | .086       | .153  | .102   | *          | *    | *      | *          | *    | *      |
| 94                 | .092       | .167  | .110   | .092       | .166  | .110   | *          | *    | *      | *          | *    | *      |
| 95                 | .100       | .183  | .120   | .100       | .183  | .119   | *          | *    | *      | *          | *    | *      |
| 96                 | .111       | .206  | .131   | .111       | .207  | .131   | *          | *    | *      | *          | *    | *      |
| 97                 | .124       | .235  | .146   | .124       | .237  | .147   | *          | *    | *      | *          | *    | *      |
| 98                 | .140       | .271  | .164   | .141       | .276  | .165   | *          | *    | *      | *          | *    | *      |
| 99                 | .159       | .316  | .186   | .162       | .325  | .189   | *          | *    | *      | *          | *    | *      |
| 100                | .184       | .372  | .214   | .189       | .387  | .219   | *          | *    | *      | *          | *    | *      |
| 101                | .216       | .444  | .250   | .224       | .469  | .258   | *          | *    | *      | *          | *    | *      |
| 102                | .256       | .538  | .296   | .269       | .581  | .308   | *          | *    | *      | *          | *    | *      |
| 103                | .307       | .658  | .353   | .327       | .730  | .372   | *          | *    | *      | *          | *    | *      |
| 104                | .368       | .808  | .421   | .401       | .931  | .452   | *          | *    | *      | *          | *    | *      |
| 105                | .444       | .977  | .507   | .495       | 1.177 | .557   | *          | *    | *      | *          | *    | *      |
| 106                | .546       | 1.184 | .625   | .626       | 1.520 | .701   | *          | *    | *      | *          | *    | *      |
| 107                | .657       | 1.425 | .752   | .771       | 1.826 | .866   | *          | *    | *      | *          | *    | *      |
| 108                | .809       | 1.699 | .932   | .992       | 2.450 | 1.105  | *          | *    | *      | *          | *    | *      |
| 109                | .910       | 1.863 | 1.057  | 1.152      | 2.973 | 1.275  | *          | *    | *      | *          | *    | *      |

\* Figure does not meet standards of reliability and precision.

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# U.S. Decennial Life Tables, 1989–91

These 55 reports are published once each 10-year period by the National Center for Health Statistics.

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- Number 1** *United States Life Tables.* This first report contains life tables by single years of age from birth to age 110 for the United States. Tables are included for the total population, the white population, the population other than white, and the black population. Within these large populations are tables showing the race-sex categories of male, female, and both sexes combined. Standard error tables for the probability of dying and of the average remaining lifetime are included.
- Number 2** *Methodology of the National and State Life Tables.* This report describes in detail the methods of construction of the national and State life tables.
- Number 3** *Some Trends and Comparisons of United States Life Table Data: 1900–1991.* This report deals with trends and interpretations related to life expectancy and survivorship.
- Number 4** *United States Life Tables Eliminating Certain Causes of Death.* This report provides life tables analyzed by major groups of causes of death.

## VOLUME II

### Numbers

- 1 through 51** *Alaska through Wyoming, State Life Tables.* Each of these 51 reports contains life tables for a particular State and a table that ranks each State in the order of life expectancy. All States have tables for the total population and the white population by sex. In addition, 40 States have tables for the other than white population and 33 have tables for the black population. Standard error tables for the probability of dying and of the average remaining lifetime are included.

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