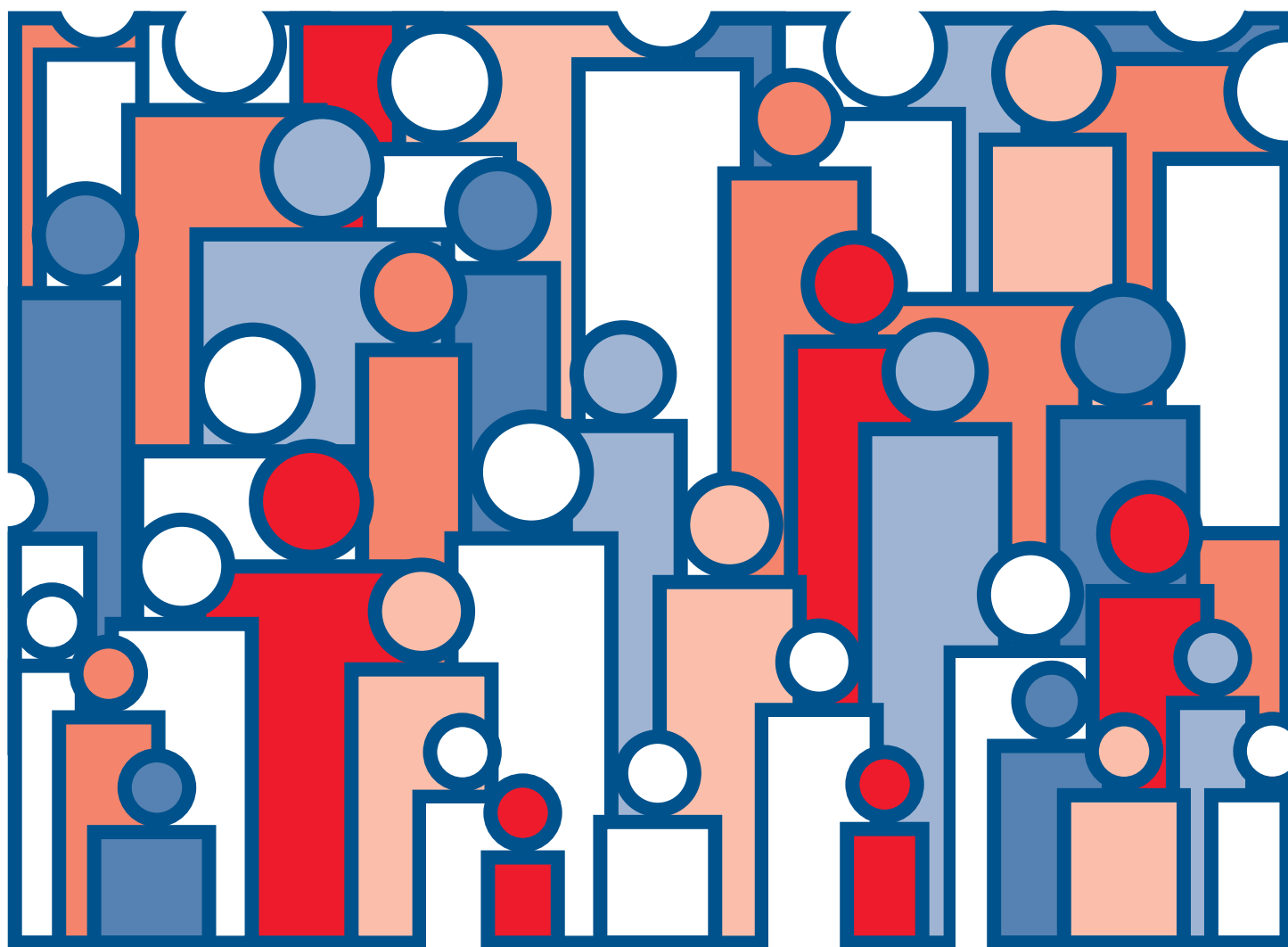




U.S. Decennial Life Tables for 1989-91

Volume II, State Life Tables Number 24, Minnesota

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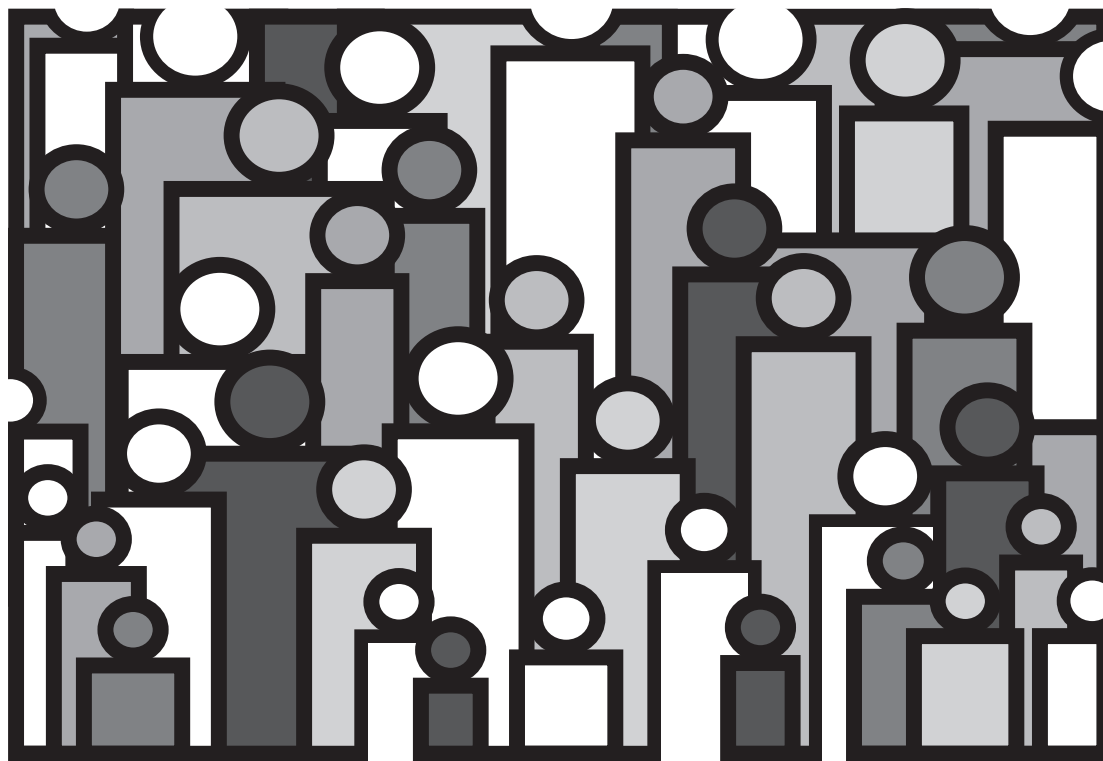
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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

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Minnesota 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 Minnesota 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 Minnesota 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 Minnesota 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 Minnesota 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).

Keywords: Minnesota • 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 Minnesota that occurred anywhere in the United States during the 3 years of 1989, 1990, and 1991 and on the 1990 census of population for Minnesota. 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 Minnesota 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 Minnesota, the expectation of life at birth is 74.53 years for total males and 80.85 for total females. Among the 50 States and the District of Columbia in the expectation of life at birth for the total population, Minnesota ranks 2d.

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 Minnesota 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 10](#) and [11](#). In both cases, the standard errors contain one place more than the corresponding variable in the life tables. In computing confidence intervals, the limits are rounded to the same number of decimal places that the variable has in the life table.

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 10](#)). 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 0.00262 with a standard error of 0.000209. Therefore the 68-percent confidence interval is from 0.00241 to 0.00283 and the 95-percent confidence interval is from 0.00220 to 0.00304. The life expectancy of a 50-year-old white female is 32.88 years with a standard error of 0.048 years. The 68-percent confidence interval for the life expectancy is therefore from 32.83 to 32.93 years and the 95-percent confidence interval is from 32.78 to 32.98 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 Minnesota. For example, for females who reach age 21, the proportion dying before reaching their 22d birthday is 0.00045—out of every 1,000 female babies surviving to age 21, 0.45 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](#), 99,369 will complete the first year of life and enter the second, 98,864 will reach age 21, and 74,237 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, 631 will die in the first year of life, 45 in the 22d year, and 2,009 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 98,842. 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 98,842 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 6,002,380 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 8,084,643.

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 98,842 for females in Minnesota in the year of age 21–22 is the total number of years of life lived between their 21st and 22d birthdays by the 98,864 (column 3) who reached their 21st birthday out of the original cohort of 100,000 females born alive. The corresponding figure (6,002,380) in column 6 is the total number of years lived after attaining age 21 by the 98,864 reaching that exact age. This number of years divided by the number of persons (6,002,380 divided by 98,864) gives 60.71 years as the average remaining lifetime at age 21 for females in Minnesota.

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: Minnesota, 1989-91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
0-1	.00729	100,000	729	99,437	7,775,634	77.76
1-2	.00054	99,271	54	99,243	7,676,197	77.33
2-3	.00035	99,217	35	99,200	7,576,954	76.37
3-4	.00028	99,182	28	99,168	7,477,754	75.39
4-5	.00023	99,154	23	99,142	7,378,586	74.42
5-6	.00021	99,131	21	99,121	7,279,444	73.43
6-7	.00019	99,110	19	99,100	7,180,323	72.45
7-8	.00018	99,091	17	99,083	7,081,223	71.46
8-9	.00016	99,074	16	99,065	6,982,140	70.47
9-10	.00014	99,058	14	99,051	6,883,075	69.49
10-11	.00012	99,044	12	99,038	6,784,024	68.50
11-12	.00012	99,032	12	99,026	6,684,986	67.50
12-13	.00015	99,020	16	99,012	6,585,960	66.51
13-14	.00023	99,004	23	98,993	6,486,948	65.52
14-15	.00034	98,981	34	98,964	6,387,955	64.54
15-16	.00047	98,947	46	98,924	6,288,991	63.56
16-17	.00059	98,901	59	98,871	6,190,067	62.59
17-18	.00069	98,842	68	98,808	6,091,196	61.63
18-19	.00075	98,774	75	98,737	5,992,388	60.67
19-20	.00079	98,699	78	98,660	5,893,651	59.71
20-21	.00082	98,621	81	98,581	5,794,991	58.76
21-22	.00086	98,540	85	98,498	5,696,410	57.81
22-23	.00087	98,455	85	98,412	5,597,912	56.86
23-24	.00086	98,370	84	98,328	5,499,500	55.91
24-25	.00083	98,286	82	98,245	5,401,172	54.95
25-26	.00080	98,204	78	98,165	5,302,927	54.00
26-27	.00078	98,126	76	98,088	5,204,762	53.04
27-28	.00076	98,050	75	98,012	5,106,674	52.08
28-29	.00076	97,975	75	97,938	5,008,662	51.12
29-30	.00078	97,900	76	97,862	4,910,724	50.16
30-31	.00079	97,824	78	97,785	4,812,862	49.20
31-32	.00081	97,746	79	97,706	4,715,077	48.24
32-33	.00084	97,667	82	97,626	4,617,371	47.28
33-34	.00090	97,585	88	97,541	4,519,745	46.32
34-35	.00097	97,497	94	97,450	4,422,204	45.36
35-36	.00105	97,403	103	97,352	4,324,754	44.40
36-37	.00114	97,300	110	97,245	4,227,402	43.45
37-38	.00123	97,190	120	97,130	4,130,157	42.50
38-39	.00132	97,070	127	97,006	4,033,027	41.55
39-40	.00140	96,943	136	96,875	3,936,021	40.60
40-41	.00149	96,807	145	96,734	3,839,146	39.66
41-42	.00160	96,662	155	96,585	3,742,412	38.72
42-43	.00172	96,507	166	96,424	3,645,827	37.78
43-44	.00186	96,341	179	96,252	3,549,403	36.84
44-45	.00202	96,162	194	96,065	3,453,151	35.91
45-46	.00220	95,968	211	95,862	3,357,086	34.98
46-47	.00242	95,757	232	95,641	3,261,224	34.06
47-48	.00266	95,525	255	95,398	3,165,583	33.14
48-49	.00291	95,270	277	95,131	3,070,185	32.23
49-50	.00318	94,993	303	94,842	2,975,054	31.32
50-51	.00349	94,690	330	94,525	2,880,212	30.42
51-52	.00386	94,360	364	94,177	2,785,687	29.52
52-53	.00427	93,996	402	93,795	2,691,510	28.63
53-54	.00474	93,594	443	93,373	2,597,715	27.76
54-55	.00526	93,151	491	92,905	2,504,342	26.88

Table 1. Life table for the total population: Minnesota, 1989-91—Con.

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
55-56	.00583	92,660	540	92,390	2,411,437	26.02
56-57	.00646	92,120	595	91,823	2,319,047	25.17
57-58	.00718	91,525	657	91,196	2,227,224	24.33
58-59	.00800	90,868	728	90,504	2,136,028	23.51
59-60	.00889	90,140	801	89,740	2,045,524	22.69
60-61	.00981	89,339	877	88,901	1,955,784	21.89
61-62	.01076	88,462	951	87,986	1,866,883	21.10
62-63	.01176	87,511	1,029	86,996	1,778,897	20.33
63-64	.01282	86,482	1,109	85,928	1,691,901	19.56
64-65	.01398	85,373	1,194	84,776	1,605,973	18.81
65-66	.01520	84,179	1,279	83,539	1,521,197	18.07
66-67	.01651	82,900	1,369	82,215	1,437,658	17.34
67-68	.01800	81,531	1,468	80,798	1,355,443	16.62
68-69	.01975	80,063	1,581	79,273	1,274,645	15.92
69-70	.02174	78,482	1,706	77,629	1,195,372	15.23
70-71	.02396	76,776	1,839	75,856	1,117,743	14.56
71-72	.02634	74,937	1,974	73,950	1,041,887	13.90
72-73	.02884	72,963	2,104	71,911	967,937	13.27
73-74	.03139	70,859	2,224	69,747	896,026	12.65
74-75	.03402	68,635	2,335	67,467	826,279	12.04
75-76	.03675	66,300	2,437	65,081	758,812	11.45
76-77	.03974	63,863	2,538	62,595	693,731	10.86
77-78	.04321	61,325	2,649	60,000	631,136	10.29
78-79	.04736	58,676	2,779	57,286	571,136	9.73
79-80	.05223	55,897	2,920	54,437	513,850	9.19
80-81	.05772	52,977	3,058	51,448	459,413	8.67
81-82	.06363	49,919	3,176	48,331	407,965	8.17
82-83	.06997	46,743	3,271	45,108	359,634	7.69
83-84	.07662	43,472	3,331	41,806	314,526	7.24
84-85	.08365	40,141	3,357	38,463	272,720	6.79
85-86	.09206	36,784	3,387	35,090	234,257	6.37
86-87	.10147	33,397	3,388	31,703	199,167	5.96
87-88	.11154	30,009	3,348	28,335	167,464	5.58
88-89	.12228	26,661	3,260	25,031	139,129	5.22
89-90	.13396	23,401	3,134	21,834	114,098	4.88
90-91	.14726	20,267	2,985	18,775	92,264	4.55
91-92	.16207	17,282	2,801	15,881	73,489	4.25
92-93	.17742	14,481	2,569	13,197	57,608	3.98
93-94	.19282	11,912	2,297	10,763	44,411	3.73
94-95	.20856	9,615	2,005	8,613	33,648	3.50
95-96	.22502	7,610	1,713	6,753	25,035	3.29
96-97	.24126	5,897	1,422	5,186	18,282	3.10
97-98	.25689	4,475	1,150	3,900	13,096	2.93
98-99	.27175	3,325	904	2,873	9,196	2.77
99-100	.28751	2,421	696	2,074	6,323	2.61
100-101	.30418	1,725	525	1,463	4,249	2.46
101-102	.32182	1,200	386	1,007	2,786	2.32
102-103	.34049	814	277	676	1,779	2.19
103-104	.36024	537	193	440	1,103	2.05
104-105	.38113	344	131	278	663	1.93
105-106	.40324	213	86	170	385	1.81
106-107	.42663	127	54	99	215	1.70
107-108	.45137	73	33	57	116	1.59
108-109	.47755	40	19	30	59	1.49
109-110	.50525	21	11	16	29	1.39

Table 2. Life table for males: Minnesota, 1989–91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0–1	.00823	100,000	823	99,363	7,453,379	74.53
1–2	.00056	99,177	56	99,150	7,354,016	74.15
2–3	.00038	99,121	37	99,102	7,254,866	73.19
3–4	.00031	99,084	31	99,069	7,155,764	72.22
4–5	.00026	99,053	25	99,041	7,056,695	71.24
5–6	.00023	99,028	23	99,016	6,957,654	70.26
6–7	.00022	99,005	22	98,994	6,858,638	69.28
7–8	.00021	98,983	21	98,972	6,759,644	68.29
8–9	.00019	98,962	18	98,953	6,660,672	67.31
9–10	.00016	98,944	16	98,936	6,561,719	66.32
10–11	.00013	98,928	13	98,922	6,462,783	65.33
11–12	.00013	98,915	13	98,908	6,363,861	64.34
12–13	.00018	98,902	18	98,893	6,264,953	63.35
13–14	.00030	98,884	29	98,870	6,166,060	62.36
14–15	.00046	98,855	46	98,832	6,067,190	61.37
15–16	.00065	98,809	64	98,777	5,968,358	60.40
16–17	.00083	98,745	82	98,704	5,869,581	59.44
17–18	.00098	98,663	96	98,616	5,770,877	58.49
18–19	.00108	98,567	106	98,513	5,672,261	57.55
19–20	.00115	98,461	113	98,404	5,573,748	56.61
20–21	.00121	98,348	119	98,289	5,475,344	55.67
21–22	.00127	98,229	125	98,166	5,377,055	54.74
22–23	.00129	98,104	127	98,041	5,278,889	53.81
23–24	.00128	97,977	125	97,915	5,180,848	52.88
24–25	.00123	97,852	120	97,792	5,082,933	51.94
25–26	.00119	97,732	116	97,674	4,985,141	51.01
26–27	.00115	97,616	112	97,559	4,887,467	50.07
27–28	.00113	97,504	110	97,449	4,789,908	49.13
28–29	.00113	97,394	110	97,339	4,692,459	48.18
29–30	.00115	97,284	112	97,228	4,595,120	47.23
30–31	.00118	97,172	115	97,115	4,497,892	46.29
31–32	.00120	97,057	116	96,999	4,400,777	45.34
32–33	.00124	96,941	121	96,880	4,303,778	44.40
33–34	.00130	96,820	126	96,758	4,206,898	43.45
34–35	.00137	96,694	132	96,628	4,110,140	42.51
35–36	.00146	96,562	141	96,491	4,013,512	41.56
36–37	.00155	96,421	149	96,347	3,917,021	40.62
37–38	.00164	96,272	158	96,192	3,820,674	39.69
38–39	.00173	96,114	166	96,031	3,724,482	38.75
39–40	.00181	95,948	174	95,861	3,628,451	37.82
40–41	.00190	95,774	182	95,683	3,532,590	36.88
41–42	.00201	95,592	192	95,496	3,436,907	35.95
42–43	.00214	95,400	204	95,298	3,341,411	35.03
43–44	.00230	95,196	220	95,086	3,246,113	34.10
44–45	.00250	94,976	237	94,858	3,151,027	33.18
45–46	.00274	94,739	260	94,609	3,056,169	32.26
46–47	.00302	94,479	285	94,337	2,961,560	31.35
47–48	.00332	94,194	313	94,038	2,867,223	30.44
48–49	.00363	93,881	341	93,710	2,773,185	29.54
49–50	.00396	93,540	370	93,355	2,679,475	28.65
50–51	.00433	93,170	403	92,969	2,586,120	27.76
51–52	.00478	92,767	444	92,545	2,493,151	26.88
52–53	.00530	92,323	489	92,078	2,400,606	26.00
53–54	.00591	91,834	542	91,563	2,308,528	25.14
54–55	.00660	91,292	603	90,990	2,216,965	24.28

Table 2. Life table for males: Minnesota, 1989–91—Con.

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55–56	.00736	90,689	668	90,355	2,125,975	23.44
56–57	.00820	90,021	738	89,653	2,035,620	22.61
57–58	.00913	89,283	815	88,876	1,945,967	21.80
58–59	.01016	88,468	899	88,018	1,857,091	20.99
59–60	.01127	87,569	987	87,076	1,769,073	20.20
60–61	.01241	86,582	1,075	86,045	1,681,997	19.43
61–62	.01361	85,507	1,163	84,925	1,595,952	18.66
62–63	.01493	84,344	1,259	83,714	1,511,027	17.92
63–64	.01645	83,085	1,367	82,401	1,427,313	17.18
64–65	.01817	81,718	1,485	80,976	1,344,912	16.46
65–66	.01999	80,233	1,604	79,431	1,263,936	15.75
66–67	.02191	78,629	1,723	77,767	1,184,505	15.06
67–68	.02404	76,906	1,849	75,982	1,106,738	14.39
68–69	.02645	75,057	1,985	74,065	1,030,756	13.73
69–70	.02916	73,072	2,131	72,007	956,691	13.09
70–71	.03220	70,941	2,284	69,799	884,684	12.47
71–72	.03551	68,657	2,437	67,439	814,885	11.87
72–73	.03904	66,220	2,586	64,927	747,446	11.29
73–74	.04269	63,634	2,716	62,276	682,519	10.73
74–75	.04645	60,918	2,830	59,503	620,243	10.18
75–76	.05037	58,088	2,926	56,625	560,740	9.65
76–77	.05463	55,162	3,013	53,656	504,115	9.14
77–78	.05940	52,149	3,098	50,599	450,459	8.64
78–79	.06497	49,051	3,187	47,458	399,860	8.15
79–80	.07142	45,864	3,275	44,227	352,402	7.68
80–81	.07890	42,589	3,361	40,908	308,175	7.24
81–82	.08715	39,228	3,419	37,519	267,267	6.81
82–83	.09575	35,809	3,428	34,095	229,748	6.42
83–84	.10415	32,381	3,373	30,695	195,653	6.04
84–85	.11240	29,008	3,260	27,378	164,958	5.69
85–86	.12196	25,748	3,141	24,177	137,580	5.34
86–87	.13298	22,607	3,006	21,104	113,403	5.02
87–88	.14466	19,601	2,835	18,184	92,299	4.71
88–89	.15686	16,766	2,630	15,451	74,115	4.42
89–90	.16970	14,136	2,399	12,936	58,664	4.15
90–91	.18384	11,737	2,158	10,658	45,728	3.90
91–92	.19931	9,579	1,909	8,625	35,070	3.66
92–93	.21509	7,670	1,650	6,845	26,445	3.45
93–94	.23043	6,020	1,387	5,327	19,600	3.26
94–95	.24525	4,633	1,136	4,064	14,273	3.08
95–96	.26004	3,497	910	3,043	10,209	2.92
96–97	.27536	2,587	712	2,231	7,166	2.77
97–98	.28943	1,875	543	1,604	4,935	2.63
98–99	.30390	1,332	405	1,129	3,331	2.50
99–100	.31910	927	296	780	2,202	2.37
100–101	.33505	631	211	526	1,422	2.25
101–102	.35181	420	148	346	896	2.13
102–103	.36940	272	100	221	550	2.02
103–104	.38787	172	67	139	329	1.91
104–105	.40726	105	43	83	190	1.81
105–106	.42762	62	26	49	107	1.71
106–107	.44900	36	16	28	58	1.61
107–108	.47145	20	10	15	30	1.52
108–109	.49503	10	5	8	15	1.43
109–110	.51978	5	2	4	7	1.35

Table 3. Life table for females: Minnesota, 1989-91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0-1	.00631	100,000	631	99,513	8,084,643	80.85
1-2	.00052	99,369	52	99,343	7,985,130	80.36
2-3	.00033	99,317	33	99,300	7,885,787	79.40
3-4	.00025	99,284	25	99,272	7,786,487	78.43
4-5	.00020	99,259	20	99,249	7,687,215	77.45
5-6	.00018	99,239	18	99,231	7,587,966	76.46
6-7	.00016	99,221	16	99,213	7,488,735	75.48
7-8	.00015	99,205	15	99,197	7,389,522	74.49
8-9	.00013	99,190	13	99,184	7,290,325	73.50
9-10	.00012	99,177	12	99,171	7,191,141	72.51
10-11	.00011	99,165	11	99,160	7,091,970	71.52
11-12	.00011	99,154	11	99,148	6,992,810	70.52
12-13	.00013	99,143	12	99,137	6,893,662	69.53
13-14	.00017	99,131	17	99,123	6,794,525	68.54
14-15	.00022	99,114	22	99,103	6,695,402	67.55
15-16	.00028	99,092	28	99,078	6,596,299	66.57
16-17	.00034	99,064	34	99,047	6,497,221	65.59
17-18	.00039	99,030	39	99,010	6,398,174	64.61
18-19	.00042	98,991	41	98,970	6,299,164	63.63
19-20	.00043	98,950	43	98,929	6,200,194	62.66
20-21	.00044	98,907	43	98,885	6,101,265	61.69
21-22	.00045	98,864	45	98,842	6,002,380	60.71
22-23	.00045	98,819	44	98,797	5,903,538	59.74
23-24	.00044	98,775	43	98,753	5,804,741	58.77
24-25	.00043	98,732	43	98,711	5,705,988	57.79
25-26	.00042	98,689	41	98,668	5,607,277	56.82
26-27	.00041	98,648	40	98,629	5,508,609	55.84
27-28	.00040	98,608	39	98,588	5,409,980	54.86
28-29	.00040	98,569	40	98,549	5,311,392	53.89
29-30	.00040	98,529	40	98,509	5,212,843	52.91
30-31	.00041	98,489	40	98,470	5,114,334	51.93
31-32	.00042	98,449	41	98,428	5,015,864	50.95
32-33	.00044	98,408	44	98,387	4,917,436	49.97
33-34	.00049	98,364	48	98,340	4,819,049	48.99
34-35	.00056	98,316	55	98,288	4,720,709	48.02
35-36	.00064	98,261	63	98,230	4,622,421	47.04
36-37	.00072	98,198	71	98,163	4,524,191	46.07
37-38	.00081	98,127	79	98,088	4,426,028	45.10
38-39	.00090	98,048	88	98,004	4,327,940	44.14
39-40	.00098	97,960	96	97,911	4,229,936	43.18
40-41	.00108	97,864	106	97,811	4,132,025	42.22
41-42	.00119	97,758	117	97,699	4,034,214	41.27
42-43	.00130	97,641	127	97,578	3,936,515	40.32
43-44	.00141	97,514	138	97,445	3,838,937	39.37
44-45	.00153	97,376	149	97,302	3,741,492	38.42
45-46	.00167	97,227	162	97,147	3,644,190	37.48
46-47	.00183	97,065	177	96,977	3,547,043	36.54
47-48	.00201	96,888	194	96,791	3,450,066	35.61
48-49	.00220	96,694	213	96,587	3,353,275	34.68
49-50	.00242	96,481	233	96,364	3,256,688	33.75
50-51	.00267	96,248	257	96,119	3,160,324	32.84
51-52	.00295	95,991	284	95,849	3,064,205	31.92
52-53	.00327	95,707	312	95,551	2,968,356	31.01
53-54	.00360	95,395	343	95,223	2,872,805	30.11
54-55	.00396	95,052	376	94,864	2,777,582	29.22

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55–56	.00434	94,676	411	94,470	2,682,718	28.34
56–57	.00477	94,265	450	94,040	2,588,248	27.46
57–58	.00530	93,815	497	93,566	2,494,208	26.59
58–59	.00592	93,318	553	93,042	2,400,642	25.73
59–60	.00662	92,765	613	92,459	2,307,600	24.88
60–61	.00736	92,152	678	91,812	2,215,141	24.04
61–62	.00810	91,474	741	91,104	2,123,329	23.21
62–63	.00881	90,733	800	90,333	2,032,225	22.40
63–64	.00950	89,933	854	89,506	1,941,892	21.59
64–65	.01019	89,079	907	88,626	1,852,386	20.79
65–66	.01091	88,172	962	87,690	1,763,760	20.00
66–67	.01173	87,210	1,023	86,699	1,676,070	19.22
67–68	.01275	86,187	1,098	85,638	1,589,371	18.44
68–69	.01404	85,089	1,195	84,491	1,503,733	17.67
69–70	.01557	83,894	1,306	83,242	1,419,242	16.92
70–71	.01730	82,588	1,429	81,873	1,336,000	16.18
71–72	.01914	81,159	1,553	80,382	1,254,127	15.45
72–73	.02105	79,606	1,676	78,768	1,173,745	14.74
73–74	.02298	77,930	1,791	77,034	1,094,977	14.05
74–75	.02498	76,139	1,902	75,188	1,017,943	13.37
75–76	.02706	74,237	2,009	73,232	942,755	12.70
76–77	.02941	72,228	2,124	71,166	869,523	12.04
77–78	.03227	70,104	2,262	68,972	798,357	11.39
78–79	.03586	67,842	2,433	66,626	729,385	10.75
79–80	.04016	65,409	2,627	64,096	662,759	10.13
80–81	.04492	62,782	2,820	61,372	598,663	9.54
81–82	.05004	59,962	3,001	58,462	537,291	8.96
82–83	.05573	56,961	3,174	55,374	478,829	8.41
83–84	.06205	53,787	3,337	52,118	423,455	7.87
84–85	.06904	50,450	3,484	48,708	371,337	7.36
85–86	.07761	46,966	3,644	45,144	322,629	6.87
86–87	.08705	43,322	3,771	41,436	277,485	6.41
87–88	.09716	39,551	3,843	37,630	236,049	5.97
88–89	.10797	35,708	3,856	33,780	198,419	5.56
89–90	.11983	31,852	3,817	29,944	164,639	5.17
90–91	.13353	28,035	3,743	26,163	134,695	4.80
91–92	.14890	24,292	3,617	22,484	108,532	4.47
92–93	.16491	20,675	3,410	18,970	86,048	4.16
93–94	.18102	17,265	3,125	15,702	67,078	3.89
94–95	.19753	14,140	2,793	12,744	51,376	3.63
95–96	.21475	11,347	2,437	10,128	38,632	3.40
96–97	.23143	8,910	2,062	7,879	28,504	3.20
97–98	.24775	6,848	1,697	6,000	20,625	3.01
98–99	.26375	5,151	1,358	4,472	14,625	2.84
99–100	.27957	3,793	1,061	3,263	10,153	2.68
100–101	.29635	2,732	809	2,327	6,890	2.52
101–102	.31413	1,923	604	1,621	4,563	2.37
102–103	.33298	1,319	439	1,099	2,942	2.23
103–104	.35296	880	311	724	1,843	2.10
104–105	.37413	569	213	463	1,119	1.97
105–106	.39658	356	141	286	656	1.84
106–107	.42038	215	90	169	370	1.72
107–108	.44560	125	56	97	201	1.61
108–109	.47233	69	33	53	104	1.50
109–110	.50068	36	18	27	51	1.40

Table 4. Life table for the white population: Minnesota, 1989-91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0-1	.00650	100,000	650	99,489	7,797,178	77.97
1-2	.00047	99,350	47	99,327	7,697,689	77.48
2-3	.00032	99,303	32	99,287	7,598,362	76.52
3-4	.00026	99,271	25	99,259	7,499,075	75.54
4-5	.00021	99,246	21	99,235	7,399,816	74.56
5-6	.00019	99,225	19	99,215	7,300,581	73.58
6-7	.00018	99,206	18	99,197	7,201,366	72.59
7-8	.00017	99,188	17	99,179	7,102,169	71.60
8-9	.00016	99,171	16	99,163	7,002,990	70.62
9-10	.00014	99,155	13	99,148	6,903,827	69.63
10-11	.00012	99,142	12	99,136	6,804,679	68.64
11-12	.00012	99,130	12	99,124	6,705,543	67.64
12-13	.00015	99,118	15	99,111	6,606,419	66.65
13-14	.00023	99,103	22	99,092	6,507,308	65.66
14-15	.00034	99,081	34	99,064	6,408,216	64.68
15-16	.00046	99,047	46	99,024	6,309,152	63.70
16-17	.00058	99,001	57	98,973	6,210,128	62.73
17-18	.00068	98,944	67	98,910	6,111,155	61.76
18-19	.00073	98,877	73	98,841	6,012,245	60.81
19-20	.00076	98,804	75	98,766	5,913,404	59.85
20-21	.00078	98,729	78	98,691	5,814,638	58.89
21-22	.00081	98,651	79	98,611	5,715,947	57.94
22-23	.00081	98,572	80	98,532	5,617,336	56.99
23-24	.00080	98,492	79	98,452	5,518,804	56.03
24-25	.00078	98,413	76	98,375	5,420,352	55.08
25-26	.00075	98,337	74	98,300	5,321,977	54.12
26-27	.00073	98,263	72	98,227	5,223,677	53.16
27-28	.00072	98,191	70	98,156	5,125,450	52.20
28-29	.00072	98,121	70	98,086	5,027,294	51.24
29-30	.00073	98,051	72	98,015	4,929,208	50.27
30-31	.00075	97,979	73	97,942	4,831,193	49.31
31-32	.00076	97,906	75	97,869	4,733,251	48.34
32-33	.00080	97,831	78	97,792	4,635,382	47.38
33-34	.00085	97,753	83	97,711	4,537,590	46.42
34-35	.00091	97,670	89	97,626	4,439,879	45.46
35-36	.00099	97,581	96	97,533	4,342,253	44.50
36-37	.00107	97,485	105	97,432	4,244,720	43.54
37-38	.00116	97,380	113	97,324	4,147,288	42.59
38-39	.00124	97,267	121	97,206	4,049,964	41.64
39-40	.00133	97,146	129	97,082	3,952,758	40.69
40-41	.00142	97,017	138	96,948	3,855,676	39.74
41-42	.00153	96,879	148	96,805	3,758,728	38.80
42-43	.00165	96,731	160	96,651	3,661,923	37.86
43-44	.00178	96,571	172	96,486	3,565,272	36.92
44-45	.00193	96,399	186	96,306	3,468,786	35.98
45-46	.00212	96,213	204	96,111	3,372,480	35.05
46-47	.00233	96,009	224	95,897	3,276,369	34.13
47-48	.00257	95,785	246	95,662	3,180,472	33.20
48-49	.00281	95,539	268	95,405	3,084,810	32.29
49-50	.00308	95,271	294	95,124	2,989,405	31.38
50-51	.00338	94,977	321	94,817	2,894,281	30.47
51-52	.00374	94,656	354	94,479	2,799,464	29.58
52-53	.00415	94,302	391	94,107	2,704,985	28.68
53-54	.00462	93,911	434	93,693	2,610,878	27.80
54-55	.00515	93,477	482	93,236	2,517,185	26.93

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55–56	.00572	92,995	532	92,730	2,423,949	26.07
56–57	.00636	92,463	587	92,169	2,331,219	25.21
57–58	.00708	91,876	650	91,551	2,239,050	24.37
58–59	.00789	91,226	720	90,866	2,147,499	23.54
59–60	.00876	90,506	793	90,109	2,056,633	22.72
60–61	.00967	89,713	867	89,280	1,966,524	21.92
61–62	.01060	88,846	942	88,374	1,877,244	21.13
62–63	.01159	87,904	1,019	87,394	1,788,870	20.35
63–64	.01266	86,885	1,100	86,335	1,701,476	19.58
64–65	.01382	85,785	1,186	85,192	1,615,141	18.83
65–66	.01505	84,599	1,273	83,963	1,529,949	18.08
66–67	.01637	83,326	1,364	82,643	1,445,986	17.35
67–68	.01787	81,962	1,465	81,230	1,363,343	16.63
68–69	.01962	80,497	1,579	79,708	1,282,113	15.93
69–70	.02162	78,918	1,707	78,064	1,202,405	15.24
70–71	.02385	77,211	1,841	76,291	1,124,341	14.56
71–72	.02623	75,370	1,977	74,381	1,048,050	13.91
72–73	.02874	73,393	2,109	72,339	973,669	13.27
73–74	.03129	71,284	2,231	70,168	901,330	12.64
74–75	.03393	69,053	2,343	67,882	831,162	12.04
75–76	.03666	66,710	2,445	65,488	763,280	11.44
76–77	.03966	64,265	2,549	62,990	697,792	10.86
77–78	.04313	61,716	2,662	60,385	634,802	10.29
78–79	.04729	59,054	2,792	57,659	574,417	9.73
79–80	.05216	56,262	2,934	54,794	516,758	9.18
80–81	.05763	53,328	3,074	51,791	461,964	8.66
81–82	.06354	50,254	3,193	48,658	410,173	8.16
82–83	.06988	47,061	3,289	45,416	361,515	7.68
83–84	.07653	43,772	3,350	42,097	316,099	7.22
84–85	.08357	40,422	3,378	38,733	274,002	6.78
85–86	.09198	37,044	3,407	35,341	235,269	6.35
86–87	.10142	33,637	3,411	31,932	199,928	5.94
87–88	.11156	30,226	3,372	28,539	167,996	5.56
88–89	.12239	26,854	3,287	25,211	139,457	5.19
89–90	.13420	23,567	3,163	21,986	114,246	4.85
90–91	.14771	20,404	3,013	18,897	92,260	4.52
91–92	.16284	17,391	2,832	15,975	73,363	4.22
92–93	.17863	14,559	2,601	13,258	57,388	3.94
93–94	.19448	11,958	2,326	10,795	44,130	3.69
94–95	.21068	9,632	2,029	8,618	33,335	3.46
95–96	.22760	7,603	1,730	6,738	24,717	3.25
96–97	.24414	5,873	1,434	5,156	17,979	3.06
97–98	.26009	4,439	1,155	3,861	12,823	2.89
98–99	.27538	3,284	904	2,832	8,962	2.73
99–100	.29135	2,380	693	2,034	6,130	2.58
100–101	.30824	1,687	520	1,426	4,096	2.43
101–102	.32612	1,167	381	977	2,670	2.29
102–103	.34504	786	271	650	1,693	2.15
103–104	.36505	515	188	421	1,043	2.03
104–105	.38622	327	126	264	622	1.90
105–106	.40862	201	82	160	358	1.78
106–107	.43232	119	52	93	198	1.67
107–108	.45740	67	30	52	105	1.56
108–109	.48393	37	18	27	53	1.46
109–110	.51200	19	10	14	26	1.36

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0-1	.00749	100,000	749	99,412	7,478,035	74.78
1-2	.00049	99,251	49	99,226	7,378,623	74.34
2-3	.00034	99,202	34	99,185	7,279,397	73.38
3-4	.00028	99,168	28	99,154	7,180,212	72.40
4-5	.00024	99,140	23	99,129	7,081,058	71.42
5-6	.00022	99,117	22	99,106	6,981,929	70.44
6-7	.00021	99,095	20	99,085	6,882,823	69.46
7-8	.00020	99,075	20	99,064	6,783,738	68.47
8-9	.00018	99,055	18	99,046	6,684,674	67.48
9-10	.00015	99,037	15	99,030	6,585,628	66.50
10-11	.00013	99,022	13	99,015	6,486,598	65.51
11-12	.00013	99,009	13	99,002	6,387,583	64.52
12-13	.00017	98,996	17	98,988	6,288,581	63.52
13-14	.00029	98,979	28	98,965	6,189,593	62.53
14-15	.00045	98,951	45	98,929	6,090,628	61.55
15-16	.00064	98,906	63	98,874	5,991,699	60.58
16-17	.00081	98,843	80	98,803	5,892,825	59.62
17-18	.00095	98,763	94	98,717	5,794,022	58.67
18-19	.00104	98,669	103	98,617	5,695,305	57.72
19-20	.00109	98,566	108	98,512	5,596,688	56.78
20-21	.00114	98,458	112	98,402	5,498,176	55.84
21-22	.00118	98,346	116	98,288	5,399,774	54.91
22-23	.00120	98,230	117	98,172	5,301,486	53.97
23-24	.00118	98,113	116	98,054	5,203,314	53.03
24-25	.00115	97,997	113	97,941	5,105,260	52.10
25-26	.00111	97,884	108	97,829	5,007,319	51.16
26-27	.00108	97,776	106	97,723	4,909,490	50.21
27-28	.00106	97,670	104	97,618	4,811,767	49.27
28-29	.00107	97,566	104	97,514	4,714,149	48.32
29-30	.00109	97,462	107	97,409	4,616,635	47.37
30-31	.00112	97,355	108	97,301	4,519,226	46.42
31-32	.00114	97,247	111	97,191	4,421,925	45.47
32-33	.00118	97,136	115	97,079	4,324,734	44.52
33-34	.00123	97,021	120	96,961	4,227,655	43.57
34-35	.00130	96,901	126	96,838	4,130,694	42.63
35-36	.00138	96,775	133	96,709	4,033,856	41.68
36-37	.00147	96,642	142	96,570	3,937,147	40.74
37-38	.00155	96,500	150	96,425	3,840,577	39.80
38-39	.00163	96,350	157	96,272	3,744,152	38.86
39-40	.00171	96,193	165	96,110	3,647,880	37.92
40-41	.00180	96,028	173	95,941	3,551,770	36.99
41-42	.00191	95,855	183	95,764	3,455,829	36.05
42-43	.00203	95,672	194	95,575	3,360,065	35.12
43-44	.00219	95,478	209	95,374	3,264,490	34.19
44-45	.00237	95,269	226	95,156	3,169,116	33.26
45-46	.00260	95,043	248	94,919	3,073,960	32.34
46-47	.00287	94,795	272	94,659	2,979,041	31.43
47-48	.00317	94,523	300	94,373	2,884,382	30.52
48-49	.00347	94,223	326	94,060	2,790,009	29.61
49-50	.00379	93,897	356	93,719	2,695,949	28.71
50-51	.00415	93,541	388	93,347	2,602,230	27.82
51-52	.00460	93,153	428	92,939	2,508,883	26.93
52-53	.00512	92,725	475	92,487	2,415,944	26.06
53-54	.00573	92,250	529	91,986	2,323,457	25.19
54-55	.00643	91,721	589	91,426	2,231,471	24.33

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55-56	.00719	91,132	656	90,804	2,140,045	23.48
56-57	.00804	90,476	727	90,112	2,049,241	22.65
57-58	.00897	89,749	805	89,347	1,959,129	21.83
58-59	.01000	88,944	890	88,499	1,869,782	21.02
59-60	.01110	88,054	977	87,565	1,781,283	20.23
60-61	.01223	87,077	1,065	86,545	1,693,718	19.45
61-62	.01341	86,012	1,154	85,435	1,607,173	18.69
62-63	.01474	84,858	1,250	84,233	1,521,738	17.93
63-64	.01626	83,608	1,360	82,928	1,437,505	17.19
64-65	.01799	82,248	1,479	81,509	1,354,577	16.47
65-66	.01982	80,769	1,601	79,968	1,273,068	15.76
66-67	.02175	79,168	1,723	78,306	1,193,100	15.07
67-68	.02389	77,445	1,850	76,520	1,114,794	14.39
68-69	.02631	75,595	1,989	74,600	1,038,274	13.73
69-70	.02905	73,606	2,138	72,537	963,674	13.09
70-71	.03210	71,468	2,294	70,320	891,137	12.47
71-72	.03542	69,174	2,451	67,949	820,817	11.87
72-73	.03897	66,723	2,600	65,423	752,868	11.28
73-74	.04263	64,123	2,734	62,756	687,445	10.72
74-75	.04640	61,389	2,848	59,965	624,689	10.18
75-76	.05033	58,541	2,947	57,068	564,724	9.65
76-77	.05460	55,594	3,035	54,076	507,656	9.13
77-78	.05939	52,559	3,121	50,998	453,580	8.63
78-79	.06496	49,438	3,212	47,832	402,582	8.14
79-80	.07143	46,226	3,302	44,576	354,750	7.67
80-81	.07893	42,924	3,388	41,230	310,174	7.23
81-82	.08719	39,536	3,447	37,813	268,944	6.80
82-83	.09579	36,089	3,457	34,361	231,131	6.40
83-84	.10417	32,632	3,399	30,932	196,770	6.03
84-85	.11238	29,233	3,285	27,591	165,838	5.67
85-86	.12192	25,948	3,164	24,366	138,247	5.33
86-87	.13295	22,784	3,029	21,269	113,881	5.00
87-88	.14471	19,755	2,859	18,326	92,612	4.69
88-89	.15706	16,896	2,653	15,569	74,286	4.40
89-90	.17012	14,243	2,423	13,031	58,717	4.12
90-91	.18458	11,820	2,182	10,729	45,686	3.87
91-92	.20048	9,638	1,932	8,672	34,957	3.63
92-93	.21675	7,706	1,670	6,871	26,285	3.41
93-94	.23260	6,036	1,404	5,333	19,414	3.22
94-95	.24792	4,632	1,149	4,058	14,081	3.04
95-96	.26329	3,483	917	3,025	10,023	2.88
96-97	.27914	2,566	716	2,208	6,998	2.73
97-98	.29399	1,850	544	1,578	4,790	2.59
98-99	.30869	1,306	403	1,104	3,212	2.46
99-100	.32413	903	293	757	2,108	2.33
100-101	.34033	610	207	506	1,351	2.21
101-102	.35735	403	144	331	845	2.10
102-103	.37522	259	97	210	514	1.99
103-104	.39398	162	64	130	304	1.88
104-105	.41368	98	41	78	174	1.78
105-106	.43436	57	25	45	96	1.68
106-107	.45608	32	14	25	51	1.58
107-108	.47888	18	9	13	26	1.49
108-109	.50282	9	4	7	13	1.41
109-110	.52797	5	3	3	6	1.32

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0–1	.00545	100,000	545	99,571	8,101,905	81.02
1–2	.00046	99,455	46	99,432	8,002,334	80.46
2–3	.00030	99,409	29	99,394	7,902,902	79.50
3–4	.00023	99,380	23	99,369	7,803,508	78.52
4–5	.00018	99,357	18	99,348	7,704,139	77.54
5–6	.00017	99,339	17	99,330	7,604,791	76.55
6–7	.00015	99,322	15	99,314	7,505,461	75.57
7–8	.00014	99,307	15	99,300	7,406,147	74.58
8–9	.00013	99,292	12	99,286	7,306,847	73.59
9–10	.00012	99,280	12	99,274	7,207,561	72.60
10–11	.00011	99,268	11	99,262	7,108,287	71.61
11–12	.00011	99,257	10	99,252	7,009,025	70.61
12–13	.00013	99,247	13	99,241	6,909,773	69.62
13–14	.00016	99,234	16	99,226	6,810,532	68.63
14–15	.00022	99,218	22	99,207	6,711,306	67.64
15–16	.00028	99,196	28	99,182	6,612,099	66.66
16–17	.00034	99,168	34	99,151	6,512,917	65.68
17–18	.00039	99,134	39	99,114	6,413,766	64.70
18–19	.00041	99,095	41	99,075	6,314,652	63.72
19–20	.00042	99,054	42	99,033	6,215,577	62.75
20–21	.00043	99,012	42	98,991	6,116,544	61.78
21–22	.00044	98,970	44	98,948	6,017,553	60.80
22–23	.00044	98,926	43	98,905	5,918,605	59.83
23–24	.00042	98,883	42	98,862	5,819,700	58.85
24–25	.00041	98,841	40	98,822	5,720,838	57.88
25–26	.00039	98,801	38	98,782	5,622,016	56.90
26–27	.00038	98,763	38	98,744	5,523,234	55.92
27–28	.00037	98,725	36	98,707	5,424,490	54.95
28–29	.00037	98,689	37	98,670	5,325,783	53.97
29–30	.00037	98,652	36	98,634	5,227,113	52.99
30–31	.00038	98,616	37	98,597	5,128,479	52.00
31–32	.00039	98,579	39	98,560	5,029,882	51.02
32–33	.00041	98,540	40	98,520	4,931,322	50.04
33–34	.00046	98,500	45	98,477	4,832,802	49.06
34–35	.00052	98,455	52	98,429	4,734,325	48.09
35–36	.00060	98,403	58	98,374	4,635,896	47.11
36–37	.00067	98,345	67	98,312	4,537,522	46.14
37–38	.00076	98,278	74	98,240	4,439,210	45.17
38–39	.00085	98,204	84	98,162	4,340,970	44.20
39–40	.00094	98,120	92	98,075	4,242,808	43.24
40–41	.00104	98,028	102	97,977	4,144,733	42.28
41–42	.00115	97,926	113	97,870	4,046,756	41.32
42–43	.00126	97,813	123	97,751	3,948,886	40.37
43–44	.00138	97,690	135	97,623	3,851,135	39.42
44–45	.00149	97,555	145	97,482	3,753,512	38.48
45–46	.00163	97,410	159	97,330	3,656,030	37.53
46–47	.00179	97,251	174	97,164	3,558,700	36.59
47–48	.00197	97,077	192	96,981	3,461,536	35.66
48–49	.00216	96,885	209	96,781	3,364,555	34.73
49–50	.00238	96,676	230	96,561	3,267,774	33.80
50–51	.00262	96,446	253	96,319	3,171,213	32.88
51–52	.00290	96,193	279	96,054	3,074,894	31.97
52–53	.00321	95,914	308	95,760	2,978,840	31.06
53–54	.00354	95,606	338	95,437	2,883,080	30.16
54–55	.00390	95,268	371	95,083	2,787,643	29.26

Table 6. Life table for white females: Minnesota, 1989–91—Con.

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
55–56	.00428	94,897	407	94,693	2,692,560	28.37
56–57	.00472	94,490	445	94,267	2,597,867	27.49
57–58	.00524	94,045	493	93,799	2,503,600	26.62
58–59	.00585	93,552	547	93,278	2,409,801	25.76
59–60	.00652	93,005	607	92,702	2,316,523	24.91
60–61	.00724	92,398	669	92,063	2,223,821	24.07
61–62	.00797	91,729	731	91,364	2,131,758	23.24
62–63	.00867	90,998	789	90,603	2,040,394	22.42
63–64	.00935	90,209	844	89,787	1,949,791	21.61
64–65	.01005	89,365	898	88,916	1,860,004	20.81
65–66	.01077	88,467	953	87,991	1,771,088	20.02
66–67	.01160	87,514	1,014	87,007	1,683,097	19.23
67–68	.01262	86,500	1,092	85,954	1,596,090	18.45
68–69	.01391	85,408	1,188	84,814	1,510,136	17.68
69–70	.01545	84,220	1,302	83,569	1,425,322	16.92
70–71	.01718	82,918	1,424	82,206	1,341,753	16.18
71–72	.01902	81,494	1,550	80,719	1,259,547	15.46
72–73	.02093	79,944	1,673	79,108	1,178,828	14.75
73–74	.02286	78,271	1,789	77,376	1,099,720	14.05
74–75	.02486	76,482	1,902	75,531	1,022,344	13.37
75–76	.02694	74,580	2,009	73,576	946,813	12.70
76–77	.02929	72,571	2,126	71,508	873,237	12.03
77–78	.03216	70,445	2,265	69,313	801,729	11.38
78–79	.03575	68,180	2,437	66,961	732,416	10.74
79–80	.04004	65,743	2,633	64,426	665,455	10.12
80–81	.04479	63,110	2,826	61,697	601,029	9.52
81–82	.04989	60,284	3,008	58,780	539,332	8.95
82–83	.05558	57,276	3,183	55,685	480,552	8.39
83–84	.06191	54,093	3,349	52,418	424,867	7.85
84–85	.06895	50,744	3,499	48,995	372,449	7.34
85–86	.07754	47,245	3,663	45,413	323,454	6.85
86–87	.08705	43,582	3,794	41,685	278,041	6.38
87–88	.09725	39,788	3,870	37,853	236,356	5.94
88–89	.10818	35,918	3,885	33,975	198,503	5.53
89–90	.12018	32,033	3,850	30,108	164,528	5.14
90–91	.13408	28,183	3,779	26,294	134,420	4.77
91–92	.14976	24,404	3,655	22,576	108,126	4.43
92–93	.16617	20,749	3,448	19,026	85,550	4.12
93–94	.18271	17,301	3,161	15,721	66,524	3.85
94–95	.19967	14,140	2,823	12,728	50,803	3.59
95–96	.21737	11,317	2,460	10,087	38,075	3.36
96–97	.23434	8,857	2,076	7,819	27,988	3.16
97–98	.25091	6,781	1,701	5,931	20,169	2.97
98–99	.26715	5,080	1,357	4,402	14,238	2.80
99–100	.28318	3,723	1,054	3,195	9,836	2.64
100–101	.30017	2,669	801	2,268	6,641	2.49
101–102	.31818	1,868	595	1,571	4,373	2.34
102–103	.33727	1,273	429	1,058	2,802	2.20
103–104	.35750	844	302	693	1,744	2.07
104–105	.37895	542	205	440	1,051	1.94
105–106	.40169	337	136	269	611	1.81
106–107	.42579	201	85	159	342	1.70
107–108	.45134	116	53	89	183	1.59
108–109	.47842	63	30	48	94	1.48
109–110	.50712	33	17	25	46	1.38

Table 7. Life table for the population other than white: Minnesota, 1989-91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
0-1	.01542	100,000	1,542	98,902	7,305,008	73.05
1-2	.00131	98,458	129	98,393	7,206,106	73.19
2-3	.00068	98,329	67	98,295	7,107,713	72.29
3-4	.00053	98,262	52	98,236	7,009,418	71.33
4-5	.00043	98,210	42	98,189	6,911,182	70.37
5-6	.00037	98,168	36	98,150	6,812,993	69.40
6-7	.00031	98,132	30	98,117	6,714,843	68.43
7-8	.00026	98,102	26	98,089	6,616,726	67.45
8-9	.00022	98,076	21	98,065	6,518,637	66.47
9-10	.00019	98,055	19	98,045	6,420,572	65.48
10-11	.00017	98,036	16	98,028	6,322,527	64.49
11-12	.00017	98,020	16	98,012	6,224,499	63.50
12-13	.00021	98,004	21	97,993	6,126,487	62.51
13-14	.00030	97,983	30	97,969	6,028,494	61.53
14-15	.00043	97,953	42	97,932	5,930,525	60.54
15-16	.00057	97,911	55	97,884	5,832,593	59.57
16-17	.00071	97,856	69	97,821	5,734,709	58.60
17-18	.00086	97,787	84	97,746	5,636,888	57.64
18-19	.00102	97,703	99	97,653	5,539,142	56.69
19-20	.00119	97,604	116	97,546	5,441,489	55.75
20-21	.00137	97,488	133	97,422	5,343,943	54.82
21-22	.00155	97,355	151	97,279	5,246,521	53.89
22-23	.00166	97,204	161	97,123	5,149,242	52.97
23-24	.00169	97,043	164	96,961	5,052,119	52.06
24-25	.00165	96,879	160	96,799	4,955,158	51.15
25-26	.00159	96,719	154	96,642	4,858,359	50.23
26-27	.00156	96,565	150	96,491	4,761,717	49.31
27-28	.00153	96,415	148	96,341	4,665,226	48.39
28-29	.00154	96,267	149	96,192	4,568,885	47.46
29-30	.00158	96,118	151	96,043	4,472,693	46.53
30-31	.00161	95,967	155	95,889	4,376,650	45.61
31-32	.00165	95,812	158	95,734	4,280,761	44.68
32-33	.00172	95,654	164	95,572	4,185,027	43.75
33-34	.00185	95,490	177	95,401	4,089,455	42.83
34-35	.00203	95,313	193	95,216	3,994,054	41.90
35-36	.00225	95,120	214	95,013	3,898,838	40.99
36-37	.00247	94,906	235	94,789	3,803,825	40.08
37-38	.00268	94,671	253	94,544	3,709,036	39.18
38-39	.00285	94,418	269	94,283	3,614,492	38.28
39-40	.00298	94,149	281	94,008	3,520,209	37.39
40-41	.00311	93,868	292	93,722	3,426,201	36.50
41-42	.00328	93,576	307	93,423	3,332,479	35.61
42-43	.00348	93,269	325	93,106	3,239,056	34.73
43-44	.00374	92,944	348	92,771	3,145,950	33.85
44-45	.00407	92,596	377	92,408	3,053,179	32.97
45-46	.00446	92,219	411	92,013	2,960,771	32.11
46-47	.00490	91,808	450	91,583	2,868,758	31.25
47-48	.00538	91,358	492	91,112	2,777,175	30.40
48-49	.00585	90,866	531	90,601	2,686,063	29.56
49-50	.00630	90,335	569	90,050	2,595,462	28.73
50-51	.00678	89,766	609	89,462	2,505,412	27.91
51-52	.00732	89,157	652	88,831	2,415,950	27.10
52-53	.00785	88,505	695	88,157	2,327,119	26.29
53-54	.00837	87,810	735	87,443	2,238,962	25.50
54-55	.00892	87,075	777	86,687	2,151,519	24.71

Table 7. Life table for the population other than white: Minnesota, 1989–91—Con.

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
55–56	.00945	86,298	815	85,891	2,064,832	23.93
56–57	.01004	85,483	858	85,054	1,978,941	23.15
57–58	.01091	84,625	923	84,163	1,893,887	22.38
58–59	.01219	83,702	1,021	83,192	1,809,724	21.62
59–60	.01379	82,681	1,139	82,111	1,726,532	20.88
60–61	.01556	81,542	1,269	80,907	1,644,421	20.17
61–62	.01730	80,273	1,388	79,579	1,563,514	19.48
62–63	.01888	78,885	1,490	78,140	1,483,935	18.81
63–64	.02019	77,395	1,562	76,614	1,405,795	18.16
64–65	.02129	75,833	1,615	75,026	1,329,181	17.53
65–66	.02235	74,218	1,659	73,388	1,254,155	16.90
66–67	.02353	72,559	1,707	71,706	1,180,767	16.27
67–68	.02485	70,852	1,760	69,972	1,109,061	15.65
68–69	.02645	69,092	1,828	68,178	1,039,089	15.04
69–70	.02836	67,264	1,907	66,310	970,911	14.43
70–71	.03055	65,357	1,997	64,359	904,601	13.84
71–72	.03294	63,360	2,087	62,316	840,242	13.26
72–73	.03550	61,273	2,175	60,186	777,926	12.70
73–74	.03806	59,098	2,249	57,973	717,740	12.14
74–75	.04058	56,849	2,308	55,695	659,767	11.61
75–76	.04310	54,541	2,350	53,366	604,072	11.08
76–77	.04587	52,191	2,395	50,994	550,706	10.55
77–78	.04918	49,796	2,449	48,571	499,712	10.04
78–79	.05341	47,347	2,529	46,083	451,141	9.53
79–80	.05865	44,818	2,628	43,504	405,058	9.04
80–81	.06482	42,190	2,735	40,823	361,554	8.57
81–82	.07151	39,455	2,821	38,044	320,731	8.13
82–83	.07847	36,634	2,875	35,197	282,687	7.72
83–84	.08517	33,759	2,875	32,322	247,490	7.33
84–85	.09150	30,884	2,826	29,471	215,168	6.97
85–86	.09857	28,058	2,766	26,675	185,697	6.62
86–87	.10646	25,292	2,692	23,946	159,022	6.29
87–88	.11401	22,600	2,577	21,311	135,076	5.98
88–89	.12091	20,023	2,421	18,813	113,765	5.68
89–90	.12754	17,602	2,245	16,480	94,952	5.39
90–91	.13431	15,357	2,062	14,326	78,472	5.11
91–92	.14220	13,295	1,891	12,349	64,146	4.82
92–93	.15217	11,404	1,735	10,537	51,797	4.54
93–94	.16497	9,669	1,595	8,871	41,260	4.27
94–95	.17994	8,074	1,453	7,347	32,389	4.01
95–96	.19586	6,621	1,297	5,973	25,042	3.78
96–97	.20830	5,324	1,109	4,770	19,069	3.58
97–98	.22089	4,215	931	3,749	14,299	3.39
98–99	.23370	3,284	767	2,901	10,550	3.21
99–100	.24726	2,517	623	2,205	7,649	3.04
100–101	.26160	1,894	495	1,647	5,444	2.87
101–102	.27677	1,399	387	1,205	3,797	2.71
102–103	.29282	1,012	297	863	2,592	2.56
103–104	.30981	715	221	605	1,729	2.42
104–105	.32778	494	162	413	1,124	2.28
105–106	.34679	332	115	274	711	2.14
106–107	.36690	217	80	177	437	2.01
107–108	.38818	137	53	111	260	1.89
108–109	.41070	84	35	67	149	1.78
109–110	.43452	49	21	38	82	1.66

Table 8. Life table for males other than white: Minnesota, 1989-91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0-1	.01590	100,000	1,590	98,869	6,946,129	69.46
1-2	.00135	98,410	132	98,344	6,847,260	69.58
2-3	.00073	98,278	72	98,241	6,748,916	68.67
3-4	.00059	98,206	58	98,177	6,650,675	67.72
4-5	.00048	98,148	48	98,124	6,552,498	66.76
5-6	.00042	98,100	41	98,080	6,454,374	65.79
6-7	.00036	98,059	35	98,041	6,356,294	64.82
7-8	.00031	98,024	31	98,008	6,258,253	63.84
8-9	.00026	97,993	26	97,981	6,160,245	62.86
9-10	.00022	97,967	21	97,956	6,062,264	61.88
10-11	.00019	97,946	19	97,936	5,964,308	60.89
11-12	.00019	97,927	19	97,918	5,866,372	59.91
12-13	.00026	97,908	25	97,896	5,768,454	58.92
13-14	.00041	97,883	40	97,863	5,670,558	57.93
14-15	.00061	97,843	60	97,813	5,572,695	56.96
15-16	.00083	97,783	81	97,742	5,474,882	55.99
16-17	.00104	97,702	101	97,651	5,377,140	55.04
17-18	.00127	97,601	124	97,539	5,279,489	54.09
18-19	.00154	97,477	151	97,401	5,181,950	53.16
19-20	.00183	97,326	178	97,237	5,084,549	52.24
20-21	.00217	97,148	211	97,043	4,987,312	51.34
21-22	.00247	96,937	239	96,818	4,890,269	50.45
22-23	.00266	96,698	257	96,569	4,793,451	49.57
23-24	.00266	96,441	256	96,313	4,696,882	48.70
24-25	.00253	96,185	243	96,063	4,600,569	47.83
25-26	.00236	95,942	227	95,828	4,504,506	46.95
26-27	.00223	95,715	214	95,608	4,408,678	46.06
27-28	.00215	95,501	205	95,399	4,313,070	45.16
28-29	.00213	95,296	203	95,195	4,217,671	44.26
29-30	.00218	95,093	207	94,989	4,122,476	43.35
30-31	.00222	94,886	211	94,780	4,027,487	42.45
31-32	.00226	94,675	214	94,568	3,932,707	41.54
32-33	.00235	94,461	222	94,349	3,838,139	40.63
33-34	.00249	94,239	235	94,122	3,743,790	39.73
34-35	.00269	94,004	252	93,878	3,649,668	38.82
35-36	.00293	93,752	275	93,614	3,555,790	37.93
36-37	.00319	93,477	298	93,328	3,462,176	37.04
37-38	.00345	93,179	321	93,019	3,368,848	36.15
38-39	.00367	92,858	341	92,688	3,275,829	35.28
39-40	.00388	92,517	359	92,337	3,183,141	34.41
40-41	.00411	92,158	379	91,968	3,090,804	33.54
41-42	.00438	91,779	401	91,579	2,998,836	32.67
42-43	.00471	91,378	430	91,163	2,907,257	31.82
43-44	.00512	90,948	466	90,714	2,816,094	30.96
44-45	.00563	90,482	510	90,227	2,725,380	30.12
45-46	.00624	89,972	562	89,691	2,635,153	29.29
46-47	.00693	89,410	620	89,100	2,545,462	28.47
47-48	.00764	88,790	678	88,451	2,456,362	27.66
48-49	.00828	88,112	730	87,748	2,367,911	26.87
49-50	.00886	87,382	773	86,995	2,280,163	26.09
50-51	.00943	86,609	817	86,200	2,193,168	25.32
51-52	.01005	85,792	862	85,361	2,106,968	24.56
52-53	.01070	84,930	909	84,475	2,021,607	23.80
53-54	.01140	84,021	958	83,542	1,937,132	23.06
54-55	.01219	83,063	1,013	82,557	1,853,590	22.32

Table 8. Life table for males other than white: Minnesota, 1989-91—Con.

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
55-56	.01300	82,050	1,066	81,517	1,771,033	21.58
56-57	.01388	80,984	1,124	80,422	1,689,516	20.86
57-58	.01502	79,860	1,200	79,260	1,609,094	20.15
58-59	.01651	78,660	1,298	78,011	1,529,834	19.45
59-60	.01823	77,362	1,411	76,656	1,451,823	18.77
60-61	.02005	75,951	1,523	75,190	1,375,167	18.11
61-62	.02184	74,428	1,625	73,615	1,299,977	17.47
62-63	.02355	72,803	1,714	71,946	1,226,362	16.84
63-64	.02516	71,089	1,789	70,195	1,154,416	16.24
64-65	.02672	69,300	1,851	68,374	1,084,221	15.65
65-66	.02832	67,449	1,910	66,494	1,015,847	15.06
66-67	.03000	65,539	1,966	64,556	949,353	14.49
67-68	.03175	63,573	2,018	62,564	884,797	13.92
68-69	.03364	61,555	2,071	60,519	822,233	13.36
69-70	.03573	59,484	2,125	58,421	761,714	12.81
70-71	.03804	57,359	2,182	56,268	703,293	12.26
71-72	.04063	55,177	2,242	54,056	647,025	11.73
72-73	.04351	52,935	2,303	51,783	592,969	11.20
73-74	.04659	50,632	2,359	49,452	541,186	10.69
74-75	.04980	48,273	2,404	47,071	491,734	10.19
75-76	.05316	45,869	2,439	44,650	444,663	9.69
76-77	.05680	43,430	2,466	42,197	400,013	9.21
77-78	.06077	40,964	2,490	39,718	357,816	8.73
78-79	.06534	38,474	2,514	37,218	318,098	8.27
79-80	.07074	35,960	2,544	34,688	280,880	7.81
80-81	.07695	33,416	2,571	32,131	246,192	7.37
81-82	.08404	30,845	2,592	29,549	214,061	6.94
82-83	.09252	28,253	2,614	26,946	184,512	6.53
83-84	.10250	25,639	2,628	24,325	157,566	6.15
84-85	.11376	23,011	2,618	21,702	133,241	5.79
85-86	.12732	20,393	2,596	19,095	111,539	5.47
86-87	.14148	17,797	2,518	16,538	92,444	5.19
87-88	.15327	15,279	2,342	14,108	75,906	4.97
88-89	.16093	12,937	2,082	11,897	61,798	4.78
89-90	.16537	10,855	1,795	9,957	49,901	4.60
90-91	.16820	9,060	1,524	8,299	39,944	4.41
91-92	.17265	7,536	1,301	6,885	31,645	4.20
92-93	.18104	6,235	1,129	5,671	24,760	3.97
93-94	.19493	5,106	995	4,608	19,089	3.74
94-95	.21221	4,111	872	3,675	14,481	3.52
95-96	.22903	3,239	742	2,868	10,806	3.34
96-97	.24048	2,497	601	2,196	7,938	3.18
97-98	.25250	1,896	478	1,657	5,742	3.03
98-99	.26513	1,418	376	1,230	4,085	2.88
99-100	.27838	1,042	290	897	2,855	2.74
100-101	.29230	752	220	642	1,958	2.61
101-102	.30692	532	163	450	1,316	2.47
102-103	.32226	369	119	309	866	2.35
103-104	.33837	250	85	208	557	2.23
104-105	.35529	165	58	136	349	2.11
105-106	.37306	107	40	87	213	2.00
106-107	.39171	67	26	53	126	1.89
107-108	.41130	41	17	33	73	1.79
108-109	.43186	24	10	18	40	1.69
109-110	.45345	14	7	11	22	1.59

Table 9. Life table for females other than white: Minnesota, 1989–91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
0–1	.01494	100,000	1,494	98,936	7,679,915	76.80
1–2	.00127	98,506	125	98,443	7,580,979	76.96
2–3	.00064	98,381	63	98,350	7,482,536	76.06
3–4	.00046	98,318	45	98,295	7,384,186	75.10
4–5	.00037	98,273	36	98,255	7,285,891	74.14
5–6	.00032	98,237	32	98,221	7,187,636	73.17
6–7	.00026	98,205	25	98,193	7,089,415	72.19
7–8	.00021	98,180	21	98,170	6,991,222	71.21
8–9	.00018	98,159	17	98,150	6,893,052	70.22
9–10	.00015	98,142	15	98,135	6,794,902	69.24
10–11	.00014	98,127	14	98,120	6,696,767	68.25
11–12	.00014	98,113	14	98,105	6,598,647	67.26
12–13	.00016	98,099	16	98,091	6,500,542	66.27
13–14	.00020	98,083	19	98,073	6,402,451	65.28
14–15	.00024	98,064	24	98,052	6,304,378	64.29
15–16	.00030	98,040	29	98,026	6,206,326	63.30
16–17	.00036	98,011	35	97,993	6,108,300	62.32
17–18	.00042	97,976	41	97,955	6,010,307	61.34
18–19	.00047	97,935	46	97,912	5,912,352	60.37
19–20	.00051	97,889	50	97,863	5,814,440	59.40
20–21	.00055	97,839	54	97,812	5,716,577	58.43
21–22	.00060	97,785	59	97,756	5,618,765	57.46
22–23	.00065	97,726	63	97,695	5,521,009	56.49
23–24	.00070	97,663	69	97,629	5,423,314	55.53
24–25	.00076	97,594	73	97,557	5,325,685	54.57
25–26	.00081	97,521	80	97,481	5,228,128	53.61
26–27	.00087	97,441	84	97,399	5,130,647	52.65
27–28	.00091	97,357	89	97,312	5,033,248	51.70
28–29	.00094	97,268	91	97,223	4,935,936	50.75
29–30	.00096	97,177	93	97,130	4,838,713	49.79
30–31	.00097	97,084	94	97,037	4,741,583	48.84
31–32	.00099	96,990	96	96,941	4,644,546	47.89
32–33	.00105	96,894	102	96,843	4,547,605	46.93
33–34	.00116	96,792	113	96,736	4,450,762	45.98
34–35	.00132	96,679	127	96,615	4,354,026	45.04
35–36	.00151	96,552	146	96,478	4,257,411	44.09
36–37	.00170	96,406	164	96,324	4,160,933	43.16
37–38	.00186	96,242	180	96,152	4,064,609	42.23
38–39	.00197	96,062	189	95,968	3,968,457	41.31
39–40	.00202	95,873	193	95,776	3,872,489	40.39
40–41	.00206	95,680	198	95,581	3,776,713	39.47
41–42	.00213	95,482	203	95,381	3,681,132	38.55
42–43	.00221	95,279	210	95,174	3,585,751	37.63
43–44	.00231	95,069	220	94,959	3,490,577	36.72
44–45	.00246	94,849	233	94,732	3,395,618	35.80
45–46	.00262	94,616	248	94,492	3,300,886	34.89
46–47	.00281	94,368	265	94,235	3,206,394	33.98
47–48	.00305	94,103	288	93,959	3,112,159	33.07
48–49	.00335	93,815	314	93,659	3,018,200	32.17
49–50	.00369	93,501	344	93,329	2,924,541	31.28
50–51	.00408	93,157	381	92,966	2,831,212	30.39
51–52	.00452	92,776	419	92,566	2,738,246	29.51
52–53	.00496	92,357	459	92,128	2,645,680	28.65
53–54	.00537	91,898	494	91,651	2,553,552	27.79
54–55	.00579	91,404	529	91,140	2,461,901	26.93

Table 9. Life table for females other than white: Minnesota, 1989–91—Con.

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
55–56	.00616	90,875	559	90,595	2,370,761	26.09
56–57	.00661	90,316	597	90,018	2,280,166	25.25
57–58	.00733	89,719	658	89,390	2,190,148	24.41
58–59	.00847	89,061	754	88,684	2,100,758	23.59
59–60	.00994	88,307	878	87,867	2,012,074	22.79
60–61	.01164	87,429	1,018	86,920	1,924,207	22.01
61–62	.01331	86,411	1,150	85,836	1,837,287	21.26
62–63	.01477	85,261	1,259	84,632	1,751,451	20.54
63–64	.01584	84,002	1,330	83,337	1,666,819	19.84
64–65	.01661	82,672	1,374	81,985	1,583,482	19.15
65–66	.01728	81,298	1,405	80,596	1,501,497	18.47
66–67	.01809	79,893	1,445	79,170	1,420,901	17.78
67–68	.01912	78,448	1,500	77,699	1,341,731	17.10
68–69	.02054	76,948	1,580	76,158	1,264,032	16.43
69–70	.02238	75,368	1,687	74,524	1,187,874	15.76
70–71	.02454	73,681	1,808	72,777	1,113,350	15.11
71–72	.02687	71,873	1,931	70,907	1,040,573	14.48
72–73	.02927	69,942	2,048	68,918	969,666	13.86
73–74	.03152	67,894	2,140	66,825	900,748	13.27
74–75	.03363	65,754	2,211	64,648	833,923	12.68
75–76	.03561	63,543	2,263	62,412	769,275	12.11
76–77	.03787	61,280	2,320	60,120	706,863	11.53
77–78	.04085	58,960	2,409	57,755	646,743	10.97
78–79	.04505	56,551	2,548	55,277	588,988	10.42
79–80	.05045	54,003	2,724	52,641	533,711	9.88
80–81	.05692	51,279	2,919	49,820	481,070	9.38
81–82	.06369	48,360	3,080	46,820	431,250	8.92
82–83	.07007	45,280	3,173	43,693	384,430	8.49
83–84	.07512	42,107	3,163	40,526	340,737	8.09
84–85	.07887	38,944	3,071	37,408	300,211	7.71
85–86	.08262	35,873	2,964	34,391	262,803	7.33
86–87	.08750	32,909	2,880	31,469	228,412	6.94
87–88	.09315	30,029	2,797	28,631	196,943	6.56
88–89	.09994	27,232	2,721	25,871	168,312	6.18
89–90	.10801	24,511	2,648	23,187	142,441	5.81
90–91	.11719	21,863	2,562	20,583	119,254	5.45
91–92	.12760	19,301	2,463	18,069	98,671	5.11
92–93	.13952	16,838	2,349	15,664	80,602	4.79
93–94	.15285	14,489	2,215	13,382	64,938	4.48
94–95	.16740	12,274	2,054	11,247	51,556	4.20
95–96	.18338	10,220	1,874	9,283	40,309	3.94
96–97	.19682	8,346	1,643	7,524	31,026	3.72
97–98	.21089	6,703	1,414	5,996	23,502	3.51
98–99	.22557	5,289	1,193	4,693	17,506	3.31
99–100	.23911	4,096	979	3,606	12,813	3.13
100–101	.25346	3,117	790	2,722	9,207	2.95
101–102	.26866	2,327	625	2,014	6,485	2.79
102–103	.28478	1,702	485	1,460	4,471	2.63
103–104	.30187	1,217	367	1,033	3,011	2.47
104–105	.31998	850	272	714	1,978	2.33
105–106	.33918	578	196	480	1,264	2.19
106–107	.35953	382	137	313	784	2.05
107–108	.38110	245	94	198	471	1.93
108–109	.40397	151	61	121	273	1.80
109–110	.42821	90	38	71	152	1.69

Table 10. Standard errors of the probability of dying: Minnesota, 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	.000189	.000281	.000252	.000187	.000280	.000246	.000916	.001310	.001281	*	*	*
1	.000052	.000074	.000073	.000051	.000073	.000071	.000282	.000400	.000396	*	*	*
2	.000042	.000060	.000058	.000042	.000060	.000058	.000190	.000278	.000260	*	*	*
3	.000037	.000054	.000050	.000037	.000054	.000050	.000169	.000253	.000223	*	*	*
4	.000033	.000050	.000044	.000033	.000050	.000045	.000153	.000233	.000200	*	*	*
5	.000032	.000047	.000042	.000032	.000047	.000043	.000144	.000219	.000188	*	*	*
6	.000030	.000045	.000040	.000031	.000046	.000041	.000134	.000206	.000172	*	*	*
7	.000029	.000044	.000038	.000030	.000045	.000039	.000125	.000195	.000158	*	*	*
8	.000028	.000042	.000036	.000029	.000043	.000037	.000117	.000183	.000148	*	*	*
9	.000026	.000039	.000035	.000027	.000040	.000036	.000110	.000171	.000141	*	*	*
10	.000025	.000036	.000034	.000026	.000037	.000035	.000107	.000163	.000139	*	*	*
11	.000025	.000037	.000035	.000026	.000037	.000035	.000110	.000169	.000144	*	*	*
12	.000029	.000043	.000038	.000029	.000044	.000039	.000126	.000200	.000155	*	*	*
13	.000036	.000056	.000043	.000037	.000057	.000045	.000152	.000251	.000172	*	*	*
14	.000044	.000070	.000050	.000045	.000072	.000052	.000181	.000307	.000193	*	*	*
15	.000051	.000084	.000057	.000053	.000086	.000059	.000208	.000354	.000215	*	*	*
16	.000057	.000095	.000063	.000059	.000098	.000065	.000232	.000394	.000237	*	*	*
17	.000062	.000103	.000067	.000064	.000106	.000069	.000256	.000435	.000256	*	*	*
18	.000065	.000109	.000069	.000066	.000111	.000071	.000280	.000482	.000272	*	*	*
19	.000066	.000112	.000069	.000067	.000114	.000071	.000305	.000531	.000286	*	*	*
20	.000067	.000115	.000070	.000068	.000116	.000071	.000332	.000585	.000300	*	*	*
21	.000068	.000118	.000070	.000069	.000118	.000071	.000355	.000630	.000314	*	*	*
22	.000068	.000118	.000069	.000068	.000117	.000070	.000368	.000655	.000327	*	*	*
23	.000066	.000115	.000067	.000066	.000114	.000068	.000369	.000653	.000338	*	*	*
24	.000064	.000110	.000065	.000064	.000110	.000065	.000361	.000630	.000348	*	*	*
25	.000061	.000105	.000062	.000061	.000105	.000062	.000352	.000603	.000357	*	*	*
26	.000059	.000101	.000060	.000059	.000101	.000060	.000345	.000582	.000365	*	*	*
27	.000057	.000099	.000059	.000057	.000099	.000058	.000341	.000567	.000373	*	*	*
28	.000057	.000098	.000058	.000057	.000098	.000057	.000342	.000565	.000379	*	*	*
29	.000057	.000098	.000058	.000057	.000098	.000057	.000348	.000572	.000387	*	*	*
30	.000057	.000099	.000058	.000057	.000099	.000058	.000354	.000580	.000393	*	*	*
31	.000058	.000100	.000059	.000058	.000100	.000058	.000360	.000588	.000401	*	*	*
32	.000059	.000101	.000061	.000059	.000102	.000060	.000372	.000604	.000419	*	*	*
33	.000061	.000104	.000064	.000061	.000104	.000064	.000392	.000632	.000448	*	*	*
34	.000064	.000108	.000069	.000064	.000108	.000069	.000419	.000670	.000488	*	*	*
35	.000068	.000113	.000075	.000068	.000112	.000074	.000452	.000717	.000534	*	*	*
36	.000072	.000118	.000081	.000071	.000117	.000080	.000486	.000767	.000582	*	*	*
37	.000075	.000123	.000087	.000075	.000122	.000086	.000520	.000820	.000625	*	*	*
38	.000079	.000128	.000093	.000079	.000127	.000092	.000551	.000870	.000658	*	*	*
39	.000083	.000133	.000099	.000082	.000132	.000098	.000579	.000919	.000684	*	*	*
40	.000087	.000138	.000105	.000087	.000137	.000105	.000608	.000974	.000710	*	*	*
41	.000091	.000144	.000112	.000091	.000144	.000112	.000643	.001038	.000742	*	*	*
42	.000097	.000152	.000119	.000096	.000151	.000120	.000686	.001115	.000780	*	*	*
43	.000103	.000162	.000127	.000103	.000161	.000128	.000738	.001210	.000829	*	*	*
44	.000110	.000173	.000136	.000110	.000172	.000136	.000803	.001323	.000890	*	*	*
45	.000118	.000187	.000146	.000118	.000185	.000147	.000879	.001458	.000962	*	*	*
46	.000128	.000202	.000157	.000128	.000201	.000158	.000966	.001610	.001043	*	*	*
47	.000138	.000218	.000169	.000138	.000216	.000170	.001055	.001765	.001134	*	*	*
48	.000148	.000233	.000181	.000147	.000232	.000183	.001139	.001903	.001228	*	*	*
49	.000157	.000249	.000194	.000157	.000248	.000195	.001215	.002023	.001323	*	*	*
50	.000168	.000266	.000207	.000168	.000265	.000209	.001291	.002137	.001426	*	*	*
51	.000180	.000285	.000222	.000180	.000284	.000224	.001373	.002262	.001537	*	*	*
52	.000193	.000305	.000237	.000193	.000305	.000239	.001456	.002396	.001645	*	*	*
53	.000206	.000327	.000252	.000207	.000327	.000254	.001544	.002551	.001747	*	*	*
54	.000220	.000350	.000268	.000221	.000351	.000270	.001638	.002731	.001849	*	*	*
55	.000234	.000373	.000283	.000235	.000375	.000286	.001730	.002922	.001942	*	*	*
56	.000248	.000398	.000300	.000250	.000399	.000303	.001827	.003121	.002043	*	*	*
57	.000263	.000422	.000317	.000265	.000424	.000320	.001948	.003343	.002188	*	*	*
58	.000278	.000447	.000335	.000280	.000449	.000338	.002100	.003584	.002393	*	*	*
59	.000293	.000471	.000353	.000294	.000473	.000355	.002274	.003831	.002642	*	*	*

Table 10. Standard errors of the probability of dying: Minnesota, 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	.000306	.000494	.000370	.000308	.000496	.000372	.002456	.004076	.002912	*	*	*
61	.000320	.000516	.000386	.000321	.000519	.000388	.002633	.004318	.003172	*	*	*
62	.000334	.000542	.000402	.000335	.000544	.000403	.002802	.004562	.003405	*	*	*
63	.000350	.000572	.000417	.000351	.000575	.000419	.002958	.004821	.003596	*	*	*
64	.000367	.000606	.000434	.000369	.000609	.000436	.003109	.005101	.003757	*	*	*
65	.000386	.000642	.000451	.000388	.000646	.000453	.003260	.005396	.003910	*	*	*
66	.000405	.000679	.000469	.000407	.000683	.000471	.003426	.005705	.004086	*	*	*
67	.000426	.000720	.000492	.000429	.000725	.000494	.003620	.006053	.004308	*	*	*
68	.000452	.000769	.000520	.000455	.000774	.000523	.003860	.006460	.004604	*	*	*
69	.000482	.000825	.000553	.000484	.000830	.000556	.004152	.006936	.004979	*	*	*
70	.000514	.000888	.000590	.000517	.000894	.000592	.004495	.007491	.005425	*	*	*
71	.000549	.000956	.000627	.000552	.000963	.000630	.004877	.008120	.005911	*	*	*
72	.000585	.001029	.000666	.000588	.001036	.000669	.005279	.008799	.006413	*	*	*
73	.000621	.001102	.000705	.000624	.001109	.000708	.005672	.009485	.006883	*	*	*
74	.000657	.001176	.000744	.000661	.001184	.000747	.006050	.010169	.007322	*	*	*
75	.000696	.001254	.000785	.000700	.001263	.000789	.006433	.010880	.007753	*	*	*
76	.000738	.001342	.000831	.000742	.001350	.000835	.006867	.011681	.008248	*	*	*
77	.000788	.001442	.000886	.000792	.001452	.000890	.007382	.012609	.008860	*	*	*
78	.000847	.001563	.000953	.000852	.001573	.000958	.008033	.013754	.009665	*	*	*
79	.000917	.001708	.001033	.000922	.001719	.001038	.008842	.015179	.010669	*	*	*
80	.000997	.001878	.001121	.001002	.001890	.001126	.009799	.016892	.011849	*	*	*
81	.001084	.002071	.001217	.001090	.002083	.001222	.010868	.018883	.013125	*	*	*
82	.001181	.002284	.001324	.001187	.002297	.001329	.012052	.021224	.014464	*	*	*
83	.001288	.002513	.001444	.001294	.002527	.001450	.013313	.023880	.015800	*	*	*
84	.001405	.002763	.001580	.001412	.002777	.001587	.014661	.026836	.017160	*	*	*
85	.001544	.003058	.001742	.001551	.003074	.001749	.016221	.030329	.018693	*	*	*
86	.001706	.003415	.001925	.001713	.003432	.001933	.018063	.034365	.020568	*	*	*
87	.001891	.003828	.002134	.001900	.003848	.002144	.020146	.038657	.022832	*	*	*
88	.002108	.004308	.002379	.002118	.004332	.002390	.022528	.043105	.025643	*	*	*
89	.002367	.004873	.002672	.002379	.004903	.002685	.025325	.047849	.029167	*	*	*
90	.002689	.005574	.003037	.002703	.005611	.003053	.028761	.053054	.033733	*	*	*
91	.003086	.006459	.003485	.003104	.006507	.003504	.033088	.059256	.039640	*	*	*
92	.003557	.007533	.004010	.003579	.007593	.004034	.038421	.067255	.046825	*	*	*
93	.004091	.008783	.004601	.004118	.008857	.004630	.044678	.078172	.054583	*	*	*
94	.004695	.010219	.005265	.004727	.010306	.005301	.051655	.092899	.062199	*	*	*
95	.005705	.012466	.006429	.005757	.012606	.006492	.060907	.118432	.072523	*	*	*
96	.006779	.014881	.007635	.006849	.015113	.007713	.070977	.135219	.085523	*	*	*
97	.008141	.018001	.009158	.008238	.018356	.009261	.083803	.159248	.101643	*	*	*
98	.009933	.022307	.011161	.010087	.022764	.011327	.098835	.195734	.118851	*	*	*
99	.012061	.027654	.013473	.012290	.028443	.013705	.115596	.225884	.139559	*	*	*
100	.014951	.034643	.016655	.015325	.035907	.017036	.135162	.266466	.162569	*	*	*
101	.018894	.044003	.021019	.019487	.045919	.021635	.161799	.323065	.193682	*	*	*
102	.024375	.057343	.027054	.025324	.060621	.028016	.197593	.390070	.237290	*	*	*
103	.032211	.075738	.035762	.033800	.081446	.037349	.244645	.474521	.295350	*	*	*
104	.042031	.102799	.046271	.045072	.114953	.049253	.284829	.559253	.342337	*	*	*
105	.054558	.134335	.060002	.059733	.154855	.065116	.339856	.674359	.407016	*	*	*
106	.075006	.176903	.083276	.085579	.231452	.092689	.411819	.717392	.516462	*	*	*
107	.096745	.230875	.107175	.110980	.274674	.122154	.525716	.999999	.622039	*	*	*
108	.137517	.308624	.154518	.168088	.430309	.183966	.657970	.999999	.814490	*	*	*
109	.189035	.399728	.215737	.237457	.634476	.258208	.870819	.999999	.999999	*	*	*

* Figure does not meet standards of reliability and precision.

Table 11. Standard errors of the average remaining lifetime: Minnesota, 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	.042	.060	.058	.043	.060	.058	.277	.370	.399	*	*	*
1	.040	.056	.054	.040	.057	.055	.273	.364	.393	*	*	*
2	.040	.056	.054	.040	.057	.054	.272	.363	.392	*	*	*
3	.040	.056	.054	.040	.056	.054	.272	.363	.392	*	*	*
4	.040	.056	.054	.040	.056	.054	.272	.363	.391	*	*	*
5	.040	.056	.053	.040	.056	.054	.272	.363	.391	*	*	*
6	.040	.056	.053	.040	.056	.054	.272	.363	.391	*	*	*
7	.040	.056	.053	.040	.056	.054	.272	.363	.391	*	*	*
8	.040	.055	.053	.040	.056	.054	.272	.362	.391	*	*	*
9	.039	.055	.053	.040	.056	.054	.272	.362	.391	*	*	*
10	.039	.055	.053	.040	.056	.054	.272	.362	.391	*	*	*
11	.039	.055	.053	.040	.056	.054	.272	.362	.391	*	*	*
12	.039	.055	.053	.040	.056	.053	.272	.362	.391	*	*	*
13	.039	.055	.053	.040	.056	.053	.272	.362	.391	*	*	*
14	.039	.055	.053	.040	.056	.053	.271	.362	.391	*	*	*
15	.039	.055	.053	.040	.055	.053	.271	.362	.391	*	*	*
16	.039	.055	.053	.039	.055	.053	.271	.361	.390	*	*	*
17	.039	.055	.053	.039	.055	.053	.271	.361	.390	*	*	*
18	.039	.054	.052	.039	.055	.053	.271	.361	.390	*	*	*
19	.039	.054	.052	.039	.054	.053	.271	.361	.390	*	*	*
20	.038	.054	.052	.039	.054	.052	.271	.360	.390	*	*	*
21	.038	.053	.052	.039	.054	.052	.270	.360	.390	*	*	*
22	.038	.053	.052	.038	.053	.052	.270	.359	.390	*	*	*
23	.038	.053	.052	.038	.053	.052	.270	.359	.389	*	*	*
24	.038	.052	.052	.038	.053	.052	.270	.358	.389	*	*	*
25	.038	.052	.051	.038	.053	.052	.269	.358	.389	*	*	*
26	.038	.052	.051	.038	.052	.052	.269	.358	.389	*	*	*
27	.037	.052	.051	.038	.052	.052	.269	.358	.389	*	*	*
28	.037	.052	.051	.038	.052	.051	.269	.357	.389	*	*	*
29	.037	.051	.051	.038	.052	.051	.269	.357	.388	*	*	*
30	.037	.051	.051	.037	.052	.051	.269	.357	.388	*	*	*
31	.037	.051	.051	.037	.052	.051	.269	.357	.388	*	*	*
32	.037	.051	.051	.037	.051	.051	.269	.357	.388	*	*	*
33	.037	.051	.051	.037	.051	.051	.269	.357	.388	*	*	*
34	.037	.051	.051	.037	.051	.051	.269	.357	.388	*	*	*
35	.037	.051	.051	.037	.051	.051	.269	.357	.388	*	*	*
36	.037	.051	.051	.037	.051	.051	.269	.357	.388	*	*	*
37	.037	.050	.050	.037	.051	.051	.269	.357	.388	*	*	*
38	.037	.050	.050	.037	.051	.051	.269	.357	.388	*	*	*
39	.036	.050	.050	.037	.050	.051	.269	.357	.387	*	*	*
40	.036	.050	.050	.037	.050	.050	.269	.357	.387	*	*	*
41	.036	.050	.050	.037	.050	.050	.269	.357	.387	*	*	*
42	.036	.050	.050	.036	.050	.050	.268	.357	.387	*	*	*
43	.036	.049	.050	.036	.050	.050	.268	.357	.387	*	*	*
44	.036	.049	.049	.036	.050	.050	.268	.357	.386	*	*	*
45	.036	.049	.049	.036	.049	.050	.268	.357	.386	*	*	*
46	.036	.049	.049	.036	.049	.049	.268	.357	.386	*	*	*
47	.035	.049	.049	.036	.049	.049	.267	.356	.385	*	*	*
48	.035	.048	.049	.036	.049	.049	.267	.356	.384	*	*	*
49	.035	.048	.048	.035	.048	.049	.266	.355	.384	*	*	*
50	.035	.048	.048	.035	.048	.048	.266	.354	.383	*	*	*
51	.035	.047	.048	.035	.048	.048	.265	.354	.382	*	*	*
52	.034	.047	.047	.035	.047	.048	.265	.353	.381	*	*	*
53	.034	.046	.047	.034	.047	.047	.264	.352	.380	*	*	*
54	.034	.046	.046	.034	.046	.047	.263	.351	.379	*	*	*
55	.033	.046	.046	.034	.046	.046	.263	.350	.378	*	*	*
56	.033	.045	.045	.033	.045	.046	.262	.349	.377	*	*	*
57	.033	.045	.045	.033	.045	.045	.261	.348	.376	*	*	*
58	.032	.044	.044	.032	.044	.045	.260	.347	.375	*	*	*
59	.032	.044	.044	.032	.044	.044	.260	.346	.374	*	*	*

Table 11. Standard errors of the average remaining lifetime: Minnesota, 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	.031	.043	.043	.032	.043	.043	.259	.344	.373	*	*	*
61	.031	.042	.043	.031	.043	.043	.258	.343	.372	*	*	*
62	.031	.042	.042	.031	.042	.042	.258	.343	.371	*	*	*
63	.030	.041	.041	.030	.042	.042	.257	.342	.370	*	*	*
64	.030	.041	.041	.030	.041	.041	.257	.342	.369	*	*	*
65	.030	.040	.040	.030	.041	.040	.256	.342	.368	*	*	*
66	.029	.040	.040	.029	.040	.040	.256	.341	.368	*	*	*
67	.029	.040	.039	.029	.040	.039	.256	.342	.367	*	*	*
68	.028	.039	.039	.029	.039	.039	.256	.342	.367	*	*	*
69	.028	.039	.038	.028	.039	.038	.257	.343	.367	*	*	*
70	.028	.038	.038	.028	.039	.038	.257	.343	.366	*	*	*
71	.027	.038	.037	.028	.038	.037	.257	.344	.366	*	*	*
72	.027	.038	.036	.027	.038	.037	.258	.345	.366	*	*	*
73	.027	.037	.036	.027	.037	.036	.258	.345	.366	*	*	*
74	.026	.037	.035	.026	.037	.035	.258	.346	.366	*	*	*
75	.026	.037	.035	.026	.037	.035	.259	.347	.367	*	*	*
76	.026	.037	.034	.026	.037	.034	.261	.350	.368	*	*	*
77	.026	.036	.034	.026	.036	.034	.262	.353	.369	*	*	*
78	.025	.036	.033	.025	.036	.034	.265	.356	.372	*	*	*
79	.025	.036	.033	.025	.036	.033	.268	.361	.375	*	*	*
80	.025	.037	.033	.025	.037	.033	.271	.367	.379	*	*	*
81	.025	.037	.032	.025	.037	.032	.276	.373	.384	*	*	*
82	.025	.037	.032	.025	.037	.032	.281	.381	.390	*	*	*
83	.025	.037	.032	.025	.037	.032	.287	.390	.398	*	*	*
84	.025	.038	.032	.025	.038	.032	.294	.401	.406	*	*	*
85	.025	.039	.032	.025	.039	.032	.303	.415	.416	*	*	*
86	.025	.040	.032	.025	.040	.032	.313	.432	.428	*	*	*
87	.026	.041	.032	.026	.041	.032	.325	.454	.441	*	*	*
88	.027	.043	.033	.026	.043	.033	.339	.478	.456	*	*	*
89	.027	.045	.034	.027	.045	.033	.355	.506	.474	*	*	*
90	.028	.047	.035	.028	.047	.034	.373	.538	.494	*	*	*
91	.030	.051	.036	.029	.050	.036	.392	.573	.517	*	*	*
92	.031	.055	.038	.031	.054	.037	.414	.614	.542	*	*	*
93	.033	.060	.040	.033	.059	.040	.438	.663	.568	*	*	*
94	.036	.066	.043	.036	.065	.043	.465	.726	.599	*	*	*
95	.040	.074	.047	.040	.073	.047	.499	.802	.638	*	*	*
96	.044	.083	.052	.044	.083	.051	.538	.874	.685	*	*	*
97	.049	.095	.057	.049	.095	.057	.584	.964	.739	*	*	*
98	.055	.109	.064	.056	.111	.065	.634	1.069	.797	*	*	*
99	.063	.127	.073	.064	.130	.074	.690	1.171	.866	*	*	*
100	.073	.150	.084	.074	.155	.086	.756	1.300	.946	*	*	*
101	.086	.179	.098	.088	.188	.101	.837	1.455	1.045	*	*	*
102	.102	.217	.116	.106	.233	.120	.933	1.626	1.165	*	*	*
103	.122	.265	.139	.129	.293	.146	1.038	1.815	1.296	*	*	*
104	.146	.326	.165	.158	.373	.177	1.138	2.004	1.419	*	*	*
105	.176	.394	.199	.195	.472	.218	1.269	2.226	1.588	*	*	*
106	.216	.478	.245	.247	.609	.274	1.436	2.447	1.817	*	*	*
107	.260	.575	.295	.304	.732	.339	1.650	2.982	2.055	*	*	*
108	.321	.686	.366	.391	.983	.432	1.856	3.048	2.378	*	*	*
109	.361	.752	.415	.455	1.192	.499	2.019	3.147	2.640	*	*	*

* 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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