U.S. Decennial Life Tables for 1989-91

Volume II, State Life Tables Number 22, Massachusetts

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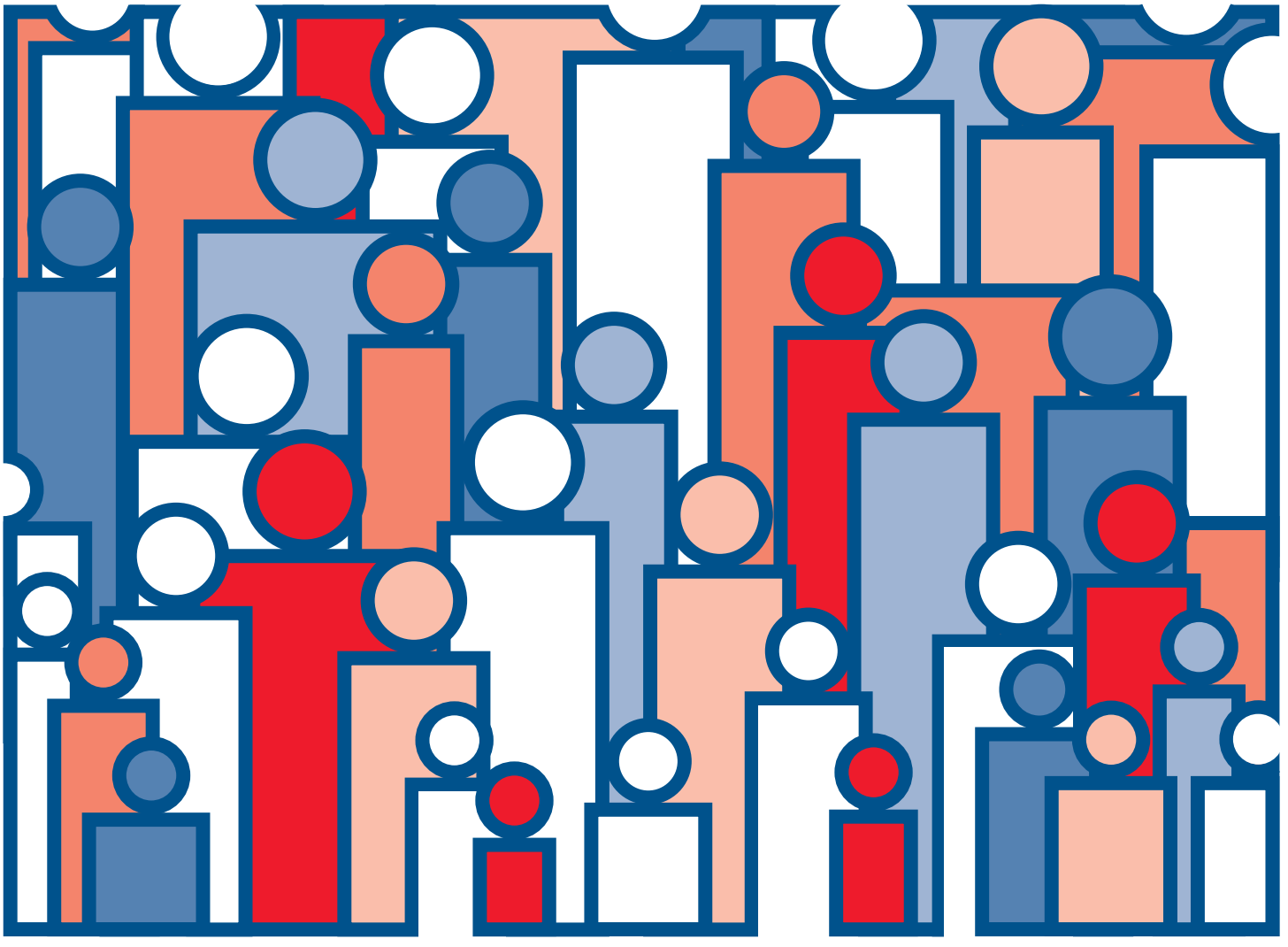

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
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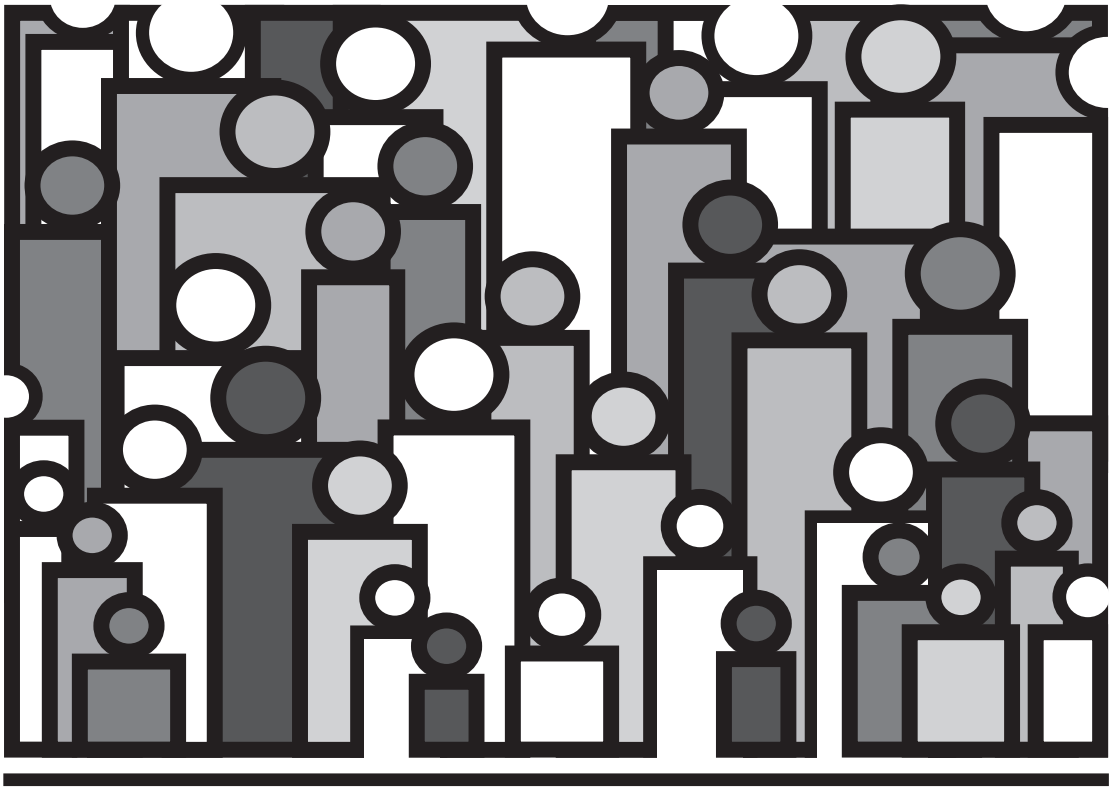

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

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Massachusetts 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 Massachusetts 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 Massachusetts 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 Massachusetts 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 Massachusetts 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: Massachusetts • 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 Massachusetts that occurred anywhere in the United States during the 3 years of 1989, 1990, and 1991 and on the 1990 census of population for Massachusetts. 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 Massachusetts 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 Massachusetts, the expectation of life at birth is 73.32 years for total males and 79.80 for total females. Among the 50 States and the District of Columbia in the expectation of life at birth for the total population, Massachusetts is tied for 14th place.

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 Massachusetts 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 13 and 14. 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 13) . 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 0.00307 with a standard error of 0.000194. Therefore the 68-percent confidence interval is from 0.00288 to 0.00326 and the 95-percent confidence interval is from 0.00268 to 0.00346. The life expectancy of a 50-year-old white female is 31.81 years with a standard error of 0.039 years. The 68-percent confidence interval for the life expectancy is therefore from 31.77 to 31.85 years and the 95-percent confidence interval is from 31.73 to 31.89 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 Massachusetts. For example, for females who reach age 21, the proportion dying before reaching their 22d

birthday is 0.00033—out of every 1,000 female babies surviving to age 21, 0.33 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, 99,357 will complete the first year of life and enter the second, 98,970 will reach age 21, and 71,024 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, 643 will die in the first year of life, 33 in the 22d year, and 2,194 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 98,953. 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 98,953 persons at age 21 (that is, between exact ages 21 and 22 years).

Column 6, T_x, shows the total number of persons in the stationary population in the indicated year of age and all subsequent years of age. For example, in the stationary population of females described in the preceding paragraph, column 6 shows that there would be at any given moment a total of 5,897,231 persons who had reached their 21st birthday. The population at all ages 0 and above (in other words, the total female population of the stationary community) would be 7,980,197.

Column 7—Average remaining lifetime ($\mathring{e}_x$)—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 98,953 for females in Massachusetts in the year of age 21–22 is the total number of years of life lived between their 21st and 22d birthdays by the 98,970 (column 3) who reached their 21st birthday out of the original cohort of 100,000 females born alive. The corresponding figure (5,897,231) in column 6 is the total number of years lived after attaining age 21 by the 98,970 reaching that exact age. This number of years divided by the number of persons (5,897,231 divided by 98,970) gives 59.59 years as the average remaining lifetime at age 21 for females in Massachusetts.

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: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.00710	100,000	710	99,414	7,671,549	76.72
1–2	.00041	99,290	41	99,270	7,572,135	76.26
2–3	.00029	99,249	29	99,235	7,472,865	75.29
3–4	.00024	99,220	23	99,209	7,373,630	74.32
4–5	.00019	99,197	19	99,187	7,274,421	73.33
5–6	.00017	99,178	18	99,169	7,175,234	72.35
6–7	.00016	99,160	15	99,153	7,076,065	71.36
7–8	.00015	99,145	15	99,137	6,976,912	70.37
8–9	.00013	99,130	13	99,124	6,877,775	69.38
9–10	.00012	99,117	12	99,111	6,778,651	68.39
10–11	.00011	99,105	10	99,100	6,679,540	67.40
11–12	.00011	99,095	11	99,090	6,580,440	66.41
12–13	.00015	99,084	15	99,076	6,481,350	65.41
13–14	.00023	99,069	22	99,058	6,382,274	64.42
14–15	.00032	99,047	33	99,030	6,283,216	63.44
15–16	.00043	99,014	42	98,993	6,184,186	62.46
16–17	.00052	98,972	51	98,947	6,085,193	61.48
17–18	.00058	98,921	58	98,892	5,986,246	60.52
18–19	.00062	98,863	61	98,833	5,887,354	59.55
19–20	.00064	98,802	63	98,770	5,788,521	58.59
20–21	.00066	98,739	66	98,706	5,689,751	57.62
21–22	.00068	98,673	67	98,640	5,591,045	56.66
22–23	.00070	98,606	69	98,572	5,492,405	55.70
23–24	.00072	98,537	71	98,502	5,393,833	54.74
24–25	.00074	98,466	73	98,430	5,295,331	53.78
25–26	.00077	98,393	75	98,355	5,196,901	52.82
26–27	.00079	98,318	78	98,279	5,098,546	51.86
27–28	.00083	98,240	82	98,198	5,000,267	50.90
28–29	.00088	98,158	87	98,115	4,902,069	49.94
29–30	.00094	98,071	92	98,025	4,803,954	48.98
30–31	.00101	97,979	99	97,929	4,705,929	48.03
31–32	.00108	97,880	106	97,827	4,608,000	47.08
32–33	.00116	97,774	114	97,717	4,510,173	46.13
33–34	.00125	97,660	121	97,599	4,412,456	45.18
34–35	.00134	97,539	131	97,474	4,314,857	44.24
35–36	.00145	97,408	141	97,337	4,217,383	43.30
36–37	.00156	97,267	152	97,191	4,120,046	42.36
37–38	.00167	97,115	162	97,035	4,022,855	41.42
38–39	.00175	96,953	169	96,868	3,925,820	40.49
39–40	.00182	96,784	176	96,696	3,828,952	39.56
40–41	.00188	96,608	182	96,517	3,732,256	38.63
41–42	.00197	96,426	190	96,331	3,635,739	37.71
42–43	.00208	96,236	200	96,136	3,539,408	36.78
43–44	.00224	96,036	215	95,928	3,443,272	35.85
44–45	.00245	95,821	234	95,704	3,347,344	34.93
45–46	.00271	95,587	259	95,458	3,251,640	34.02
46–47	.00301	95,328	287	95,184	3,156,182	33.11
47–48	.00331	95,041	315	94,883	3,060,998	32.21
48–49	.00360	94,726	341	94,556	2,966,115	31.31
49–50	.00387	94,385	365	94,202	2,871,559	30.42
50–51	.00420	94,020	395	93,822	2,777,357	29.54
51–52	.00461	93,625	432	93,409	2,683,535	28.66
52–53	.00511	93,193	476	92,956	2,590,126	27.79
53–54	.00569	92,717	527	92,454	2,497,170	26.93
54–55	.00633	92,190	583	91,898	2,404,716	26.08
55–56	.00912	87,625	799	87,226	2,093,512	23.89
56–57	.00992	86,826	861	86,395	2,006,286	23.11
57–58	.01083	85,965	931	85,499	1,919,891	22.33

Table 1. Life table for the total population: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.00701	91,607	642	91,286	2,312,818	25.25
56–57	.00773	90,965	703	90,613	2,221,532	24.42
57–58	.00853	90,262	770	89,877	2,130,919	23.61
58–59	.00942	89,492	844	89,070	2,041,042	22.81
59–60	.01039	88,648	920	88,188	1,951,972	22.02
60–61	.01137	87,728	998	87,229	1,863,784	21.25
61–62	.01237	86,730	1,073	86,194	1,776,555	20.48
62–63	.01344	85,657	1,151	85,081	1,690,361	19.73
63–64	.01462	84,506	1,236	83,888	1,605,280	19.00
64–65	.01591	83,270	1,325	82,608	1,521,392	18.27
65–66	.01725	81,945	1,413	81,239	1,438,784	17.56
66–67	.01865	80,532	1,502	79,780	1,357,545	16.86
67–68	.02022	79,030	1,598	78,231	1,277,765	16.17
68–69	.02203	77,432	1,706	76,579	1,199,534	15.49
69–70	.02410	75,726	1,825	74,814	1,122,955	14.83
70–71	.02642	73,901	1,952	72,924	1,048,141	14.18
71–72	.02892	71,949	2,081	70,909	975,217	13.55
72–73	.03155	69,868	2,204	68,766	904,308	12.94
73–74	.03423	67,664	2,316	66,506	835,542	12.35
74–75	.03697	65,348	2,416	64,140	769,036	11.77
75–76	.03984	62,932	2,507	61,679	704,896	11.20
76–77	.04300	60,425	2,599	59,126	643,217	10.64
77–78	.04657	57,826	2,692	56,480	584,091	10.10
78–79	.05069	55,134	2,795	53,736	527,611	9.57
79–80	.05542	52,339	2,901	50,888	473,875	9.05
80–81	.06076	49,438	3,004	47,936	422,987	8.56
81–82	.06657	46,434	3,091	44,889	375,051	8.08
82–83	.07273	43,343	3,152	41,767	330,162	7.62
83–84	.07911	40,191	3,180	38,601	288,395	7.18
84–85	.08579	37,011	3,175	35,423	249,794	6.75
85–86	.09367	33,836	3,170	32,252	214,371	6.34
86–87	.10270	30,666	3,149	29,091	182,119	5.94
87–88	.11257	27,517	3,098	25,968	153,028	5.56
88–89	.12326	24,419	3,010	22,915	127,060	5.20
89–90	.13490	21,409	2,888	19,965	104,145	4.86
90–91	.14806	18,521	2,742	17,150	84,180	4.55
91–92	.16264	15,779	2,566	14,496	67,030	4.25
92–93	.17775	13,213	2,349	12,039	52,534	3.98
93–94	.19299	10,864	2,096	9,816	40,495	3.73
94–95	.20864	8,768	1,830	7,853	30,679	3.50
95–96	.22502	6,938	1,561	6,157	22,826	3.29
96–97	.24126	5,377	1,297	4,729	16,669	3.10
97–98	.25689	4,080	1,048	3,556	11,940	2.93
98–99	.27175	3,032	824	2,619	8,384	2.77
99–100	.28751	2,208	635	1,891	5,765	2.61
100–101	.30418	1,573	478	1,334	3,874	2.46
101–102	.32182	1,095	353	918	2,540	2.32
102–103	.34049	742	252	616	1,622	2.19
103–104	.36024	490	177	401	1,006	2.05
104–105	.38113	313	119	254	605	1.93
105–106	.40324	194	78	155	351	1.81
106–107	.42663	116	50	91	196	1.70
107–108	.45137	66	30	51	105	1.59
108–109	.47755	36	17	28	54	1.49
109–110	.50525	19	10	14	26	1.39

Table 2. Life table for males: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.00774	100,000	774	99,362	7,331,919	73.32
1–2	.00045	99,226	44	99,204	7,232,557	72.89
2–3	.00034	99,182	33	99,165	7,133,353	71.92
3–4	.00027	99,149	27	99,135	7,034,188	70.95
4–5	.00022	99,122	22	99,111	6,935,053	69.97
5–6	.00019	99,100	19	99,090	6,835,942	68.98
6–7	.00018	99,081	17	99,073	6,736,852	67.99
7–8	.00016	99,064	16	99,056	6,637,779	67.01
8–9	.00015	99,048	15	99,040	6,538,723	66.02
9–10	.00012	99,033	12	99,027	6,439,683	65.03
10–11	.00011	99,021	11	99,016	6,340,656	64.03
11–12	.00012	99,010	12	99,004	6,241,640	63.04
12–13	.00018	98,998	18	98,989	6,142,636	62.05
13–14	.00031	98,980	30	98,966	6,043,647	61.06
14–15	.00047	98,950	47	98,926	5,944,681	60.08
15–16	.00064	98,903	63	98,872	5,845,755	59.11
16–17	.00079	98,840	77	98,801	5,746,883	58.14
17–18	.00089	98,763	89	98,718	5,648,082	57.19
18–19	.00095	98,674	94	98,628	5,549,364	56.24
19–20	.00098	98,580	97	98,531	5,450,736	55.29
20–21	.00100	98,483	99	98,434	5,352,205	54.35
21–22	.00103	98,384	101	98,333	5,253,771	53.40
22–23	.00106	98,283	104	98,231	5,155,438	52.46
23–24	.00109	98,179	107	98,126	5,057,207	51.51
24–25	.00112	98,072	109	98,017	4,959,081	50.57
25–26	.00115	97,963	113	97,906	4,861,064	49.62
26–27	.00118	97,850	115	97,793	4,763,158	48.68
27–28	.00123	97,735	121	97,674	4,665,365	47.74
28–29	.00130	97,614	126	97,551	4,567,691	46.79
29–30	.00138	97,488	135	97,420	4,470,140	45.85
30–31	.00147	97,353	144	97,281	4,372,720	44.92
31–32	.00156	97,209	152	97,134	4,275,439	43.98
32–33	.00167	97,057	162	96,976	4,178,305	43.05
33–34	.00180	96,895	174	96,808	4,081,329	42.12
34–35	.00194	96,721	188	96,626	3,984,521	41.20
35–36	.00211	96,533	204	96,431	3,887,895	40.28
36–37	.00228	96,329	219	96,220	3,791,464	39.36
37–38	.00242	96,110	233	95,994	3,695,244	38.45
38–39	.00253	95,877	243	95,755	3,599,250	37.54
39–40	.00261	95,634	250	95,510	3,503,495	36.63
40–41	.00268	95,384	255	95,256	3,407,985	35.73
41–42	.00277	95,129	264	94,997	3,312,729	34.82
42–43	.00290	94,865	275	94,728	3,217,732	33.92
43–44	.00308	94,590	291	94,444	3,123,004	33.02
44–45	.00332	94,299	314	94,142	3,028,560	32.12
45–46	.00363	93,985	341	93,815	2,934,418	31.22
46–47	.00398	93,644	372	93,458	2,840,603	30.33
47–48	.00432	93,272	403	93,070	2,747,145	29.45
48–49	.00464	92,869	431	92,653	2,654,075	28.58
49–50	.00495	92,438	458	92,209	2,561,422	27.71
50–51	.00531	91,980	488	91,736	2,469,213	26.85
51–52	.00579	91,492	529	91,228	2,377,477	25.99
52–53	.00640	90,963	582	90,672	2,286,249	25.13
53–54	.00716	90,381	647	90,057	2,195,577	24.29
54–55	.00803	89,734	721	89,374	2,105,520	23.46

Table 2. Life table for males: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.00895	89,013	796	88,615	2,016,146	22.65
56–57	.00992	88,217	875	87,780	1,927,531	21.85
57–58	.01100	87,342	960	86,862	1,839,751	21.06
58–59	.01220	86,382	1,054	85,854	1,752,889	20.29
59–60	.01351	85,328	1,153	84,752	1,667,035	19.54
60–61	.01483	84,175	1,249	83,550	1,582,283	18.80
61–62	.01617	82,926	1,340	82,256	1,498,733	18.07
62–63	.01759	81,586	1,436	80,868	1,416,477	17.36
63–64	.01917	80,150	1,536	79,383	1,335,609	16.66
64–65	.02090	78,614	1,643	77,792	1,256,226	15.98
65–66	.02272	76,971	1,749	76,097	1,178,434	15.31
66–67	.02462	75,222	1,852	74,296	1,102,337	14.65
67–68	.02674	73,370	1,962	72,389	1,028,041	14.01
68–69	.02913	71,408	2,080	70,369	955,652	13.38
69–70	.03184	69,328	2,207	68,224	885,283	12.77
70–71	.03484	67,121	2,338	65,952	817,059	12.17
71–72	.03810	64,783	2,469	63,549	751,107	11.59
72–73	.04165	62,314	2,595	61,017	687,558	11.03
73–74	.04542	59,719	2,713	58,363	626,541	10.49
74–75	.04943	57,006	2,817	55,597	568,178	9.97
75–76	.05380	54,189	2,916	52,731	512,581	9.46
76–77	.05861	51,273	3,005	49,770	459,850	8.97
77–78	.06376	48,268	3,078	46,730	410,080	8.50
78–79	.06931	45,190	3,132	43,624	363,350	8.04
79–80	.07535	42,058	3,169	40,473	319,726	7.60
80–81	.08234	38,889	3,202	37,288	279,253	7.18
81–82	.09025	35,687	3,221	34,077	241,965	6.78
82–83	.09847	32,466	3,197	30,867	207,888	6.40
83–84	.10637	29,269	3,114	27,713	177,021	6.05
84–85	.11391	26,155	2,979	24,665	149,308	5.71
85–86	.12238	23,176	2,836	21,758	124,643	5.38
86–87	.13233	20,340	2,692	18,995	102,885	5.06
87–88	.14317	17,648	2,526	16,385	83,890	4.75
88–89	.15486	15,122	2,342	13,950	67,505	4.46
89–90	.16743	12,780	2,140	11,710	53,555	4.19
90–91	.18101	10,640	1,926	9,678	41,845	3.93
91–92	.19581	8,714	1,706	7,861	32,167	3.69
92–93	.21167	7,008	1,483	6,266	24,306	3.47
93–94	.22819	5,525	1,261	4,894	18,040	3.27
94–95	.24458	4,264	1,043	3,743	13,146	3.08
95–96	.26004	3,221	838	2,802	9,403	2.92
96–97	.27536	2,383	656	2,055	6,601	2.77
97–98	.28943	1,727	500	1,477	4,546	2.63
98–99	.30390	1,227	373	1,041	3,069	2.50
99–100	.31910	854	272	718	2,028	2.37
100–101	.33505	582	195	484	1,310	2.25
101–102	.35181	387	136	319	826	2.13
102–103	.36940	251	93	204	507	2.02
103–104	.38787	158	61	128	303	1.91
104–105	.40726	97	40	77	175	1.81
105–106	.42762	57	24	45	98	1.71
106–107	.44900	33	15	25	53	1.61
107–108	.47145	18	8	14	28	1.52
108–109	.49503	10	5	7	14	1.43
109–110	.51978	5	3	4	7	1.35

Table 3. Life table for females: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.00643	100,000	643	99,470	7,980,197	79.80
1–2	.00038	99,357	37	99,339	7,880,727	79.32
2–3	.00024	99,320	24	99,307	7,781,388	78.35
3–4	.00020	99,296	20	99,287	7,682,081	77.37
4–5	.00017	99,276	17	99,267	7,582,794	76.38
5–6	.00016	99,259	15	99,252	7,483,527	75.39
6–7	.00014	99,244	14	99,237	7,384,275	74.41
7–8	.00013	99,230	13	99,223	7,285,038	73.42
8–9	.00012	99,217	12	99,211	7,185,815	72.43
9–10	.00011	99,205	11	99,200	7,086,604	71.43
10–11	.00010	99,194	10	99,189	6,987,404	70.44
11–12	.00010	99,184	10	99,179	6,888,215	69.45
12–13	.00012	99,174	12	99,168	6,789,036	68.46
13–14	.00014	99,162	14	99,156	6,689,868	67.46
14–15	.00017	99,148	17	99,139	6,590,712	66.47
15–16	.00021	99,131	21	99,121	6,491,573	65.48
16–17	.00024	99,110	23	99,099	6,392,452	64.50
17–18	.00027	99,087	27	99,073	6,293,353	63.51
18–19	.00029	99,060	28	99,046	6,194,280	62.53
19–20	.00030	99,032	30	99,017	6,095,234	61.55
20–21	.00032	99,002	32	98,986	5,996,217	60.57
21–22	.00033	98,970	33	98,953	5,897,231	59.59
22–23	.00035	98,937	34	98,921	5,798,278	58.61
23–24	.00036	98,903	36	98,885	5,699,357	57.63
24–25	.00038	98,867	37	98,848	5,600,472	56.65
25–26	.00039	98,830	39	98,811	5,501,624	55.67
26–27	.00041	98,791	40	98,772	5,402,813	54.69
27–28	.00043	98,751	42	98,729	5,304,041	53.71
28–29	.00047	98,709	47	98,686	5,205,312	52.73
29–30	.00051	98,662	50	98,637	5,106,626	51.76
30–31	.00056	98,612	55	98,584	5,007,989	50.78
31–32	.00061	98,557	60	98,527	4,909,405	49.81
32–33	.00066	98,497	64	98,465	4,810,878	48.84
33–34	.00070	98,433	70	98,398	4,712,413	47.87
34–35	.00075	98,363	73	98,327	4,614,015	46.91
35–36	.00080	98,290	79	98,250	4,515,688	45.94
36–37	.00086	98,211	85	98,169	4,417,438	44.98
37–38	.00093	98,126	91	98,081	4,319,269	44.02
38–39	.00099	98,035	97	97,987	4,221,188	43.06
39–40	.00105	97,938	103	97,887	4,123,201	42.10
40–41	.00112	97,835	110	97,780	4,025,314	41.14
41–42	.00120	97,725	117	97,667	3,927,534	40.19
42–43	.00130	97,608	127	97,544	3,829,867	39.24
43–44	.00144	97,481	140	97,412	3,732,323	38.29
44–45	.00161	97,341	157	97,263	3,634,911	37.34
45–46	.00183	97,184	178	97,095	3,537,648	36.40
46–47	.00208	97,006	202	96,905	3,440,553	35.47
47–48	.00235	96,804	227	96,691	3,343,648	34.54
48–49	.00260	96,577	251	96,451	3,246,957	33.62
49–50	.00286	96,326	275	96,188	3,150,506	32.71
50–51	.00315	96,051	303	95,899	3,054,318	31.80
51–52	.00351	95,748	336	95,580	2,958,419	30.90
52–53	.00391	95,412	373	95,225	2,862,839	30.01
53–54	.00432	95,039	411	94,834	2,767,614	29.12
54–55	.00476	94,628	450	94,403	2,672,780	28.25

Table 3. Life table for females: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.00522	94,178	492	93,932	2,578,377	27.38
56–57	.00572	93,686	535	93,418	2,484,445	26.52
57–58	.00628	93,151	585	92,858	2,391,027	25.67
58–59	.00690	92,566	639	92,247	2,298,169	24.83
59–60	.00758	91,927	696	91,579	2,205,922	24.00
60–61	.00828	91,231	756	90,853	2,114,343	23.18
61–62	.00900	90,475	814	90,068	2,023,490	22.37
62–63	.00981	89,661	880	89,221	1,933,422	21.56
63–64	.01072	88,781	951	88,306	1,844,201	20.77
64–65	.01172	87,830	1,030	87,315	1,755,895	19.99
65–66	.01276	86,800	1,107	86,246	1,668,580	19.22
66–67	.01386	85,693	1,188	85,099	1,582,334	18.47
67–68	.01510	84,505	1,276	83,867	1,497,235	17.72
68–69	.01656	83,229	1,378	82,541	1,413,368	16.98
69–70	.01824	81,851	1,493	81,105	1,330,827	16.26
70–71	.02016	80,358	1,619	79,548	1,249,722	15.55
71–72	.02223	78,739	1,751	77,863	1,170,174	14.86
72–73	.02438	76,988	1,877	76,050	1,092,311	14.19
73–74	.02652	75,111	1,991	74,116	1,016,261	13.53
74–75	.02867	73,120	2,096	72,072	942,145	12.88
75–76	.03088	71,024	2,194	69,927	870,073	12.25
76–77	.03337	68,830	2,297	67,681	800,146	11.62
77–78	.03637	66,533	2,420	65,324	732,465	11.01
78–79	.04012	64,113	2,572	62,827	667,141	10.41
79–80	.04461	61,541	2,745	60,168	604,314	9.82
80–81	.04964	58,796	2,919	57,336	544,146	9.25
81–82	.05502	55,877	3,074	54,340	486,810	8.71
82–83	.06086	52,803	3,214	51,196	432,470	8.19
83–84	.06715	49,589	3,329	47,925	381,274	7.69
84–85	.07402	46,260	3,425	44,547	333,349	7.21
85–86	.08204	42,835	3,514	41,079	288,802	6.74
86–87	.09114	39,321	3,583	37,529	247,723	6.30
87–88	.10107	35,738	3,612	33,932	210,194	5.88
88–89	.11178	32,126	3,591	30,330	176,262	5.49
89–90	.12346	28,535	3,523	26,774	145,932	5.11
90–91	.13688	25,012	3,424	23,300	119,158	4.76
91–92	.15184	21,588	3,278	19,949	95,858	4.44
92–93	.16718	18,310	3,061	16,780	75,909	4.15
93–94	.18243	15,249	2,782	13,858	59,129	3.88
94–95	.19810	12,467	2,469	11,233	45,271	3.63
95–96	.21475	9,998	2,147	8,924	34,038	3.40
96–97	.23143	7,851	1,817	6,942	25,114	3.20
97–98	.24775	6,034	1,495	5,286	18,172	3.01
98–99	.26375	4,539	1,197	3,940	12,886	2.84
99–100	.27957	3,342	935	2,875	8,946	2.68
100–101	.29635	2,407	713	2,051	6,071	2.52
101–102	.31413	1,694	532	1,428	4,020	2.37
102–103	.33298	1,162	387	968	2,592	2.23
103–104	.35296	775	274	638	1,624	2.10
104–105	.37413	501	187	408	986	1.97
105–106	.39658	314	125	252	578	1.84
106–107	.42038	189	79	149	326	1.72
107–108	.44560	110	49	86	177	1.61
108–109	.47233	61	29	46	91	1.50
109–110	.50068	32	16	24	45	1.40

Table 4. Life table for the white population: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.00651	100,000	651	99,465	7,690,104	76.90
1–2	.00037	99,349	37	99,330	7,590,639	76.40
2–3	.00027	99,312	27	99,299	7,491,309	75.43
3–4	.00022	99,285	21	99,275	7,392,010	74.45
4–5	.00018	99,264	18	99,254	7,292,735	73.47
5–6	.00016	99,246	16	99,238	7,193,481	72.48
6–7	.00015	99,230	15	99,222	7,094,243	71.49
7–8	.00014	99,215	14	99,208	6,995,021	70.50
8–9	.00013	99,201	12	99,195	6,895,813	69.51
9–10	.00011	99,189	11	99,184	6,796,618	68.52
10–11	.00010	99,178	10	99,172	6,697,434	67.53
11–12	.00011	99,168	11	99,162	6,598,262	66.54
12–13	.00015	99,157	15	99,150	6,499,100	65.54
13–14	.00021	99,142	21	99,131	6,399,950	64.55
14–15	.00030	99,121	30	99,106	6,300,819	63.57
15–16	.00039	99,091	39	99,072	6,201,713	62.59
16–17	.00047	99,052	47	99,029	6,102,641	61.61
17–18	.00053	99,005	53	98,978	6,003,612	60.64
18–19	.00057	98,952	56	98,924	5,904,634	59.67
19–20	.00059	98,896	59	98,867	5,805,710	58.71
20–21	.00061	98,837	60	98,807	5,706,843	57.74
21–22	.00063	98,777	62	98,747	5,608,036	56.77
22–23	.00065	98,715	63	98,683	5,509,289	55.81
23–24	.00067	98,652	66	98,619	5,410,606	54.85
24–25	.00069	98,586	69	98,551	5,311,987	53.88
25–26	.00072	98,517	71	98,482	5,213,436	52.92
26–27	.00075	98,446	73	98,410	5,114,954	51.96
27–28	.00078	98,373	77	98,334	5,016,544	51.00
28–29	.00083	98,296	82	98,255	4,918,210	50.03
29–30	.00090	98,214	88	98,170	4,819,955	49.08
30–31	.00096	98,126	95	98,079	4,721,785	48.12
31–32	.00103	98,031	101	97,980	4,623,706	47.17
32–33	.00110	97,930	108	97,877	4,525,726	46.21
33–34	.00118	97,822	115	97,764	4,427,849	45.26
34–35	.00126	97,707	123	97,645	4,330,085	44.32
35–36	.00135	97,584	132	97,518	4,232,440	43.37
36–37	.00145	97,452	142	97,381	4,134,922	42.43
37–38	.00155	97,310	150	97,235	4,037,541	41.49
38–39	.00163	97,160	159	97,080	3,940,306	40.56
39–40	.00170	97,001	164	96,919	3,843,226	39.62
40–41	.00177	96,837	171	96,751	3,746,307	38.69
41–42	.00185	96,666	179	96,577	3,649,556	37.75
42–43	.00196	96,487	190	96,392	3,552,979	36.82
43–44	.00213	96,297	205	96,194	3,456,587	35.89
44–45	.00234	96,092	225	95,980	3,360,393	34.97
45–46	.00261	95,867	250	95,742	3,264,413	34.05
46–47	.00292	95,617	279	95,478	3,168,671	33.14
47–48	.00322	95,338	307	95,185	3,073,193	32.23
48–49	.00351	95,031	333	94,864	2,978,008	31.34
49–50	.00378	94,698	358	94,519	2,883,144	30.45
50–51	.00410	94,340	387	94,146	2,788,625	29.56
51–52	.00451	93,953	423	93,742	2,694,479	28.68
52–53	.00501	93,530	469	93,295	2,600,737	27.81
53–54	.00558	93,061	519	92,802	2,507,442	26.94
54–55	.00622	92,542	576	92,254	2,414,640	26.09

Table 4. Life table for the white population: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.00689	91,966	634	91,649	2,322,386	25.25
56–57	.00761	91,332	695	90,985	2,230,737	24.42
57–58	.00841	90,637	762	90,256	2,139,752	23.61
58–59	.00931	89,875	837	89,456	2,049,496	22.80
59–60	.01028	89,038	916	88,580	1,960,040	22.01
60–61	.01128	88,122	994	87,625	1,871,460	21.24
61–62	.01228	87,128	1,070	86,594	1,783,835	20.47
62–63	.01336	86,058	1,150	85,483	1,697,241	19.72
63–64	.01455	84,908	1,236	84,290	1,611,758	18.98
64–65	.01585	83,672	1,326	83,010	1,527,468	18.26
65–66	.01719	82,346	1,415	81,638	1,444,458	17.54
66–67	.01860	80,931	1,505	80,179	1,362,820	16.84
67–68	.02017	79,426	1,602	78,624	1,282,641	16.15
68–69	.02199	77,824	1,712	76,968	1,204,017	15.47
69–70	.02407	76,112	1,831	75,197	1,127,049	14.81
70–71	.02639	74,281	1,961	73,300	1,051,852	14.16
71–72	.02889	72,320	2,089	71,275	978,552	13.53
72–73	.03153	70,231	2,215	69,124	907,277	12.92
73–74	.03422	68,016	2,327	66,853	838,153	12.32
74–75	.03698	65,689	2,429	64,474	771,300	11.74
75–76	.03988	63,260	2,523	61,998	706,826	11.17
76–77	.04306	60,737	2,615	59,430	644,828	10.62
77–78	.04666	58,122	2,713	56,765	585,398	10.07
78–79	.05084	55,409	2,816	54,001	528,633	9.54
79–80	.05562	52,593	2,925	51,130	474,632	9.02
80–81	.06101	49,668	3,031	48,153	423,502	8.53
81–82	.06688	46,637	3,119	45,078	375,349	8.05
82–83	.07309	43,518	3,181	41,927	330,271	7.59
83–84	.07951	40,337	3,207	38,734	288,344	7.15
84–85	.08622	37,130	3,201	35,529	249,610	6.72
85–86	.09407	33,929	3,192	32,333	214,081	6.31
86–87	.10310	30,737	3,169	29,153	181,748	5.91
87–88	.11300	27,568	3,115	26,011	152,595	5.54
88–89	.12368	24,453	3,024	22,941	126,584	5.18
89–90	.13532	21,429	2,900	19,979	103,643	4.84
90–91	.14854	18,529	2,752	17,153	83,664	4.52
91–92	.16332	15,777	2,577	14,488	66,511	4.22
92–93	.17879	13,200	2,360	12,020	52,023	3.94
93–94	.19450	10,840	2,108	9,786	40,003	3.69
94–95	.21069	8,732	1,840	7,812	30,217	3.46
95–96	.22760	6,892	1,569	6,107	22,405	3.25
96–97	.24414	5,323	1,299	4,674	16,298	3.06
97–98	.26009	4,024	1,047	3,500	11,624	2.89
98–99	.27538	2,977	820	2,568	8,124	2.73
99–100	.29135	2,157	628	1,843	5,556	2.58
100–101	.30824	1,529	471	1,293	3,713	2.43
101–102	.32612	1,058	345	885	2,420	2.29
102–103	.34504	713	246	590	1,535	2.15
103–104	.36505	467	171	381	945	2.03
104–105	.38622	296	114	239	564	1.90
105–106	.40862	182	74	145	325	1.78
106–107	.43232	108	47	84	180	1.67
107–108	.45740	61	28	48	96	1.56
108–109	.48393	33	16	25	48	1.46
109–110	.51200	17	9	12	23	1.36

Table 5. Life table for white males: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.00720	100,000	720	99,410	7,353,917	73.54
1–2	.00039	99,280	39	99,260	7,254,507	73.07
2–3	.00031	99,241	31	99,225	7,155,247	72.10
3–4	.00025	99,210	25	99,197	7,056,022	71.12
4–5	.00020	99,185	20	99,175	6,956,825	70.14
5–6	.00017	99,165	17	99,157	6,857,650	69.15
6–7	.00016	99,148	16	99,139	6,758,493	68.17
7–8	.00015	99,132	15	99,125	6,659,354	67.18
8–9	.00013	99,117	13	99,110	6,560,229	66.19
9–10	.00012	99,104	12	99,098	6,461,119	65.20
10–11	.00010	99,092	10	99,087	6,362,021	64.20
11–12	.00012	99,082	12	99,077	6,262,934	63.21
12–13	.00017	99,070	17	99,061	6,163,857	62.22
13–14	.00029	99,053	28	99,039	6,064,796	61.23
14–15	.00043	99,025	43	99,004	5,965,757	60.25
15–16	.00058	98,982	57	98,954	5,866,753	59.27
16–17	.00071	98,925	70	98,890	5,767,799	58.30
17–18	.00081	98,855	80	98,814	5,668,909	57.35
18–19	.00086	98,775	86	98,733	5,570,095	56.39
19–20	.00089	98,689	88	98,645	5,471,362	55.44
20–21	.00091	98,601	90	98,556	5,372,717	54.49
21–22	.00094	98,511	93	98,465	5,274,161	53.54
22–23	.00097	98,418	95	98,371	5,175,696	52.59
23–24	.00100	98,323	98	98,274	5,077,325	51.64
24–25	.00103	98,225	102	98,174	4,979,051	50.69
25–26	.00107	98,123	105	98,070	4,880,877	49.74
26–27	.00110	98,018	108	97,965	4,782,807	48.79
27–28	.00116	97,910	113	97,853	4,684,842	47.85
28–29	.00123	97,797	120	97,737	4,586,989	46.90
29–30	.00132	97,677	129	97,612	4,489,252	45.96
30–31	.00141	97,548	138	97,480	4,391,640	45.02
31–32	.00151	97,410	147	97,336	4,294,160	44.08
32–33	.00162	97,263	158	97,184	4,196,824	43.15
33–34	.00173	97,105	168	97,021	4,099,640	42.22
34–35	.00185	96,937	179	96,848	4,002,619	41.29
35–36	.00199	96,758	193	96,661	3,905,771	40.37
36–37	.00213	96,565	206	96,462	3,809,110	39.45
37–38	.00226	96,359	218	96,250	3,712,648	38.53
38–39	.00237	96,141	228	96,027	3,616,398	37.62
39–40	.00245	95,913	234	95,797	3,520,371	36.70
40–41	.00252	95,679	241	95,558	3,424,574	35.79
41–42	.00261	95,438	250	95,313	3,329,016	34.88
42–43	.00274	95,188	261	95,057	3,233,703	33.97
43–44	.00293	94,927	279	94,788	3,138,646	33.06
44–45	.00319	94,648	301	94,498	3,043,858	32.16
45–46	.00351	94,347	331	94,181	2,949,360	31.26
46–47	.00386	94,016	363	93,835	2,855,179	30.37
47–48	.00422	93,653	395	93,455	2,761,344	29.48
48–49	.00453	93,258	423	93,047	2,667,889	28.61
49–50	.00484	92,835	448	92,611	2,574,842	27.74
50–51	.00519	92,387	480	92,147	2,482,231	26.87
51–52	.00566	91,907	520	91,647	2,390,084	26.01
52–53	.00627	91,387	574	91,100	2,298,437	25.15
53–54	.00703	90,813	638	90,494	2,207,337	24.31
54–55	.00789	90,175	712	89,819	2,116,843	23.47

Table 5. Life table for white males: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.00879	89,463	786	89,070	2,027,024	22.66
56–57	.00975	88,677	865	88,245	1,937,954	21.85
57–58	.01083	87,812	951	87,336	1,849,709	21.06
58–59	.01205	86,861	1,046	86,338	1,762,373	20.29
59–60	.01338	85,815	1,148	85,241	1,676,035	19.53
60–61	.01473	84,667	1,247	84,043	1,590,794	18.79
61–62	.01609	83,420	1,342	82,749	1,506,751	18.06
62–63	.01753	82,078	1,439	81,358	1,424,002	17.35
63–64	.01910	80,639	1,541	79,869	1,342,644	16.65
64–65	.02083	79,098	1,647	78,275	1,262,775	15.96
65–66	.02265	77,451	1,754	76,573	1,184,500	15.29
66–67	.02455	75,697	1,859	74,768	1,107,927	14.64
67–68	.02667	73,838	1,969	72,854	1,033,159	13.99
68–69	.02908	71,869	2,090	70,824	960,305	13.36
69–70	.03180	69,779	2,219	68,669	889,481	12.75
70–71	.03482	67,560	2,353	66,384	820,812	12.15
71–72	.03810	65,207	2,484	63,965	754,428	11.57
72–73	.04164	62,723	2,612	61,417	690,463	11.01
73–74	.04542	60,111	2,730	58,746	629,046	10.46
74–75	.04944	57,381	2,838	55,962	570,300	9.94
75–76	.05384	54,543	2,936	53,075	514,338	9.43
76–77	.05866	51,607	3,027	50,093	461,263	8.94
77–78	.06386	48,580	3,103	47,029	411,170	8.46
78–79	.06947	45,477	3,159	43,898	364,141	8.01
79–80	.07561	42,318	3,199	40,718	320,243	7.57
80–81	.08271	39,119	3,236	37,501	279,525	7.15
81–82	.09076	35,883	3,256	34,255	242,024	6.74
82–83	.09912	32,627	3,234	31,010	207,769	6.37
83–84	.10714	29,393	3,149	27,818	176,759	6.01
84–85	.11477	26,244	3,012	24,738	148,941	5.68
85–86	.12329	23,232	2,865	21,799	124,203	5.35
86–87	.13334	20,367	2,715	19,010	102,404	5.03
87–88	.14422	17,652	2,546	16,378	83,394	4.72
88–89	.15586	15,106	2,355	13,929	67,016	4.44
89–90	.16834	12,751	2,146	11,678	53,087	4.16
90–91	.18182	10,605	1,928	9,641	41,409	3.90
91–92	.19665	8,677	1,707	7,824	31,768	3.66
92–93	.21279	6,970	1,483	6,228	23,944	3.44
93–94	.22989	5,487	1,261	4,857	17,716	3.23
94–95	.24703	4,226	1,044	3,704	12,859	3.04
95–96	.26329	3,182	838	2,763	9,155	2.88
96–97	.27914	2,344	654	2,017	6,392	2.73
97–98	.29399	1,690	497	1,441	4,375	2.59
98–99	.30869	1,193	368	1,009	2,934	2.46
99–100	.32413	825	268	691	1,925	2.33
100–101	.34033	557	189	462	1,234	2.21
101–102	.35735	368	132	302	772	2.10
102–103	.37522	236	88	192	470	1.99
103–104	.39398	148	59	119	278	1.88
104–105	.41368	89	37	71	159	1.78
105–106	.43436	52	22	41	88	1.68
106–107	.45608	30	14	23	47	1.58
107–108	.47888	16	8	12	24	1.49
108–109	.50282	8	4	6	12	1.41
109–110	.52797	4	2	4	6	1.32

Table 6. Life table for white females: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.00579	100,000	579	99,523	7,994,772	79.95
1–2	.00034	99,421	34	99,404	7,895,249	79.41
2–3	.00022	99,387	22	99,376	7,795,845	78.44
3–4	.00019	99,365	18	99,356	7,696,469	77.46
4–5	.00016	99,347	16	99,339	7,597,113	76.47
5–6	.00015	99,331	15	99,324	7,497,774	75.48
6–7	.00014	99,316	13	99,309	7,398,450	74.49
7–8	.00013	99,303	13	99,296	7,299,141	73.50
8–9	.00012	99,290	11	99,285	7,199,845	72.51
9–10	.00011	99,279	11	99,273	7,100,560	71.52
10–11	.00010	99,268	10	99,263	7,001,287	70.53
11–12	.00010	99,258	10	99,252	6,902,024	69.54
12–13	.00011	99,248	12	99,242	6,802,772	68.54
13–14	.00014	99,236	14	99,230	6,703,530	67.55
14–15	.00017	99,222	16	99,214	6,604,300	66.56
15–16	.00020	99,206	20	99,196	6,505,086	65.57
16–17	.00023	99,186	23	99,174	6,405,890	64.58
17–18	.00026	99,163	26	99,150	6,306,716	63.60
18–19	.00027	99,137	27	99,123	6,207,566	62.62
19–20	.00029	99,110	29	99,096	6,108,443	61.63
20–21	.00030	99,081	29	99,067	6,009,347	60.65
21–22	.00032	99,052	32	99,036	5,910,280	59.67
22–23	.00033	99,020	32	99,004	5,811,244	58.69
23–24	.00034	98,988	34	98,970	5,712,240	57.71
24–25	.00036	98,954	36	98,936	5,613,270	56.73
25–26	.00037	98,918	36	98,900	5,514,334	55.75
26–27	.00039	98,882	39	98,863	5,415,434	54.77
27–28	.00041	98,843	41	98,822	5,316,571	53.79
28–29	.00044	98,802	44	98,781	5,217,749	52.81
29–30	.00048	98,758	47	98,735	5,118,968	51.83
30–31	.00052	98,711	51	98,685	5,020,233	50.86
31–32	.00056	98,660	55	98,633	4,921,548	49.88
32–33	.00060	98,605	59	98,576	4,822,915	48.91
33–34	.00064	98,546	63	98,515	4,724,339	47.94
34–35	.00068	98,483	67	98,450	4,625,824	46.97
35–36	.00073	98,416	72	98,380	4,527,374	46.00
36–37	.00079	98,344	77	98,306	4,428,994	45.04
37–38	.00085	98,267	83	98,225	4,330,688	44.07
38–39	.00091	98,184	89	98,140	4,232,463	43.11
39–40	.00097	98,095	96	98,046	4,134,323	42.15
40–41	.00104	97,999	102	97,948	4,036,277	41.19
41–42	.00112	97,897	110	97,843	3,938,329	40.23
42–43	.00122	97,787	119	97,727	3,840,486	39.27
43–44	.00136	97,668	133	97,601	3,742,759	38.32
44–45	.00154	97,535	150	97,460	3,645,158	37.37
45–46	.00176	97,385	171	97,299	3,547,698	36.43
46–47	.00201	97,214	195	97,117	3,450,399	35.49
47–48	.00227	97,019	220	96,908	3,353,282	34.56
48–49	.00252	96,799	244	96,677	3,256,374	33.64
49–50	.00277	96,555	268	96,421	3,159,697	32.72
50–51	.00307	96,287	296	96,139	3,063,276	31.81
51–52	.00343	95,991	329	95,826	2,967,137	30.91
52–53	.00382	95,662	366	95,479	2,871,311	30.02
53–54	.00424	95,296	404	95,094	2,775,832	29.13
54–55	.00468	94,892	444	94,670	2,680,738	28.25

Table 6. Life table for white females: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.00513	94,448	485	94,206	2,586,068	27.38
56–57	.00564	93,963	529	93,698	2,491,862	26.52
57–58	.00619	93,434	579	93,145	2,398,164	25.67
58–59	.00681	92,855	633	92,538	2,305,019	24.82
59–60	.00749	92,222	690	91,877	2,212,481	23.99
60–61	.00818	91,532	749	91,158	2,120,604	23.17
61–62	.00890	90,783	807	90,380	2,029,446	22.35
62–63	.00971	89,976	874	89,539	1,939,066	21.55
63–64	.01062	89,102	946	88,628	1,849,527	20.76
64–65	.01164	88,156	1,027	87,643	1,760,899	19.97
65–66	.01270	87,129	1,107	86,575	1,673,256	19.20
66–67	.01381	86,022	1,188	85,428	1,586,681	18.45
67–68	.01506	84,834	1,278	84,195	1,501,253	17.70
68–69	.01653	83,556	1,381	82,866	1,417,058	16.96
69–70	.01821	82,175	1,496	81,427	1,334,192	16.24
70–71	.02012	80,679	1,624	79,867	1,252,765	15.53
71–72	.02219	79,055	1,754	78,178	1,172,898	14.84
72–73	.02434	77,301	1,881	76,361	1,094,720	14.16
73–74	.02649	75,420	1,998	74,421	1,018,359	13.50
74–75	.02867	73,422	2,105	72,369	943,938	12.86
75–76	.03091	71,317	2,205	70,214	871,569	12.22
76–77	.03343	69,112	2,310	67,957	801,355	11.59
77–78	.03647	66,802	2,437	65,583	733,398	10.98
78–79	.04027	64,365	2,592	63,070	667,815	10.38
79–80	.04479	61,773	2,766	60,390	604,745	9.79
80–81	.04986	59,007	2,942	57,535	544,355	9.23
81–82	.05527	56,065	3,099	54,516	486,820	8.68
82–83	.06113	52,966	3,238	51,346	432,304	8.16
83–84	.06743	49,728	3,353	48,052	380,958	7.66
84–85	.07430	46,375	3,446	44,651	332,906	7.18
85–86	.08228	42,929	3,532	41,163	288,255	6.71
86–87	.09138	39,397	3,600	37,597	247,092	6.27
87–88	.10136	35,797	3,629	33,982	209,495	5.85
88–89	.11213	32,168	3,607	30,365	175,513	5.46
89–90	.12389	28,561	3,538	26,792	145,148	5.08
90–91	.13746	25,023	3,440	23,303	118,356	4.73
91–92	.15267	21,583	3,295	19,936	95,053	4.40
92–93	.16837	18,288	3,079	16,748	75,117	4.11
93–94	.18405	15,209	2,799	13,809	58,369	3.84
94–95	.20020	12,410	2,485	11,168	44,560	3.59
95–96	.21737	9,925	2,157	8,846	33,392	3.36
96–97	.23434	7,768	1,821	6,858	24,546	3.16
97–98	.25091	5,947	1,492	5,201	17,688	2.97
98–99	.26715	4,455	1,190	3,860	12,487	2.80
99–100	.28318	3,265	925	2,803	8,627	2.64
100–101	.30017	2,340	702	1,989	5,824	2.49
101–102	.31818	1,638	521	1,377	3,835	2.34
102–103	.33727	1,117	377	929	2,458	2.20
103–104	.35750	740	264	608	1,529	2.07
104–105	.37895	476	181	385	921	1.94
105–106	.40169	295	118	236	536	1.81
106–107	.42579	177	76	139	300	1.70
107–108	.45134	101	45	79	161	1.59
108–109	.47842	56	27	42	82	1.48
109–110	.50712	29	15	22	40	1.38

Table 7. Life table for the population other than white: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.01087	100,000	1,087	99,093	7,507,538	75.08
1–2	.00071	98,913	70	98,878	7,408,445	74.90
2–3	.00046	98,843	46	98,820	7,309,567	73.95
3–4	.00037	98,797	36	98,779	7,210,747	72.99
4–5	.00029	98,761	29	98,746	7,111,968	72.01
5–6	.00027	98,732	27	98,719	7,013,222	71.03
6–7	.00024	98,705	24	98,693	6,914,503	70.05
7–8	.00022	98,681	22	98,670	6,815,810	69.07
8–9	.00019	98,659	18	98,650	6,717,140	68.08
9–10	.00016	98,641	16	98,633	6,618,490	67.10
10–11	.00012	98,625	12	98,619	6,519,857	66.11
11–12	.00013	98,613	13	98,607	6,421,238	65.12
12–13	.00019	98,600	18	98,591	6,322,631	64.12
13–14	.00033	98,582	33	98,565	6,224,040	63.14
14–15	.00052	98,549	51	98,523	6,125,475	62.16
15–16	.00070	98,498	70	98,463	6,026,952	61.19
16–17	.00086	98,428	85	98,385	5,928,489	60.23
17–18	.00098	98,343	97	98,295	5,830,104	59.28
18–19	.00105	98,246	103	98,195	5,731,809	58.34
19–20	.00109	98,143	107	98,090	5,633,614	57.40
20–21	.00111	98,036	109	97,981	5,535,524	56.46
21–22	.00115	97,927	112	97,871	5,437,543	55.53
22–23	.00117	97,815	115	97,758	5,339,672	54.59
23–24	.00119	97,700	116	97,642	5,241,914	53.65
24–25	.00121	97,584	118	97,525	5,144,272	52.72
25–26	.00122	97,466	119	97,406	5,046,747	51.78
26–27	.00125	97,347	122	97,286	4,949,341	50.84
27–28	.00128	97,225	124	97,163	4,852,055	49.91
28–29	.00134	97,101	131	97,035	4,754,892	48.97
29–30	.00143	96,970	138	96,901	4,657,857	48.03
30–31	.00151	96,832	146	96,759	4,560,956	47.10
31–32	.00160	96,686	155	96,608	4,464,197	46.17
32–33	.00173	96,531	167	96,448	4,367,589	45.25
33–34	.00192	96,364	185	96,272	4,271,141	44.32
34–35	.00217	96,179	209	96,074	4,174,869	43.41
35–36	.00245	95,970	235	95,853	4,078,795	42.50
36–37	.00275	95,735	263	95,604	3,982,942	41.60
37–38	.00300	95,472	286	95,329	3,887,338	40.72
38–39	.00316	95,186	301	95,035	3,792,009	39.84
39–40	.00326	94,885	310	94,730	3,696,974	38.96
40–41	.00335	94,575	316	94,417	3,602,244	38.09
41–42	.00345	94,259	326	94,096	3,507,827	37.21
42–43	.00357	93,933	335	93,766	3,413,731	36.34
43–44	.00372	93,598	348	93,424	3,319,965	35.47
44–45	.00389	93,250	363	93,069	3,226,541	34.60
45–46	.00409	92,887	380	92,697	3,133,472	33.73
46–47	.00431	92,507	399	92,307	3,040,775	32.87
47–48	.00458	92,108	422	91,897	2,948,468	32.01
48–49	.00488	91,686	447	91,463	2,856,571	31.16
49–50	.00523	91,239	477	91,000	2,765,108	30.31
50–51	.00561	90,762	509	90,507	2,674,108	29.46
51–52	.00604	90,253	546	89,980	2,583,601	28.63
52–53	.00657	89,707	589	89,413	2,493,621	27.80
53–54	.00722	89,118	644	88,796	2,404,208	26.98
54–55	.00798	88,474	706	88,121	2,315,412	26.17

Table 7. Life table for the population other than white: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.00882	87,768	774	87,381	2,227,291	25.38
56–57	.00970	86,994	843	86,573	2,139,910	24.60
57–58	.01060	86,151	913	85,694	2,053,337	23.83
58–59	.01148	85,238	978	84,749	1,967,643	23.08
59–60	.01234	84,260	1,040	83,740	1,882,894	22.35
60–61	.01319	83,220	1,097	82,671	1,799,154	21.62
61–62	.01407	82,123	1,156	81,545	1,716,483	20.90
62–63	.01503	80,967	1,216	80,359	1,634,938	20.19
63–64	.01612	79,751	1,286	79,108	1,554,579	19.49
64–65	.01735	78,465	1,361	77,785	1,475,471	18.80
65–66	.01864	77,104	1,437	76,385	1,397,686	18.13
66–67	.01996	75,667	1,510	74,912	1,321,301	17.46
67–68	.02140	74,157	1,587	73,363	1,246,389	16.81
68–69	.02304	72,570	1,673	71,734	1,173,026	16.16
69–70	.02493	70,897	1,767	70,013	1,101,292	15.53
70–71	.02714	69,130	1,876	68,192	1,031,279	14.92
71–72	.02961	67,254	1,991	66,258	963,087	14.32
72–73	.03216	65,263	2,099	64,214	896,829	13.74
73–74	.03453	63,164	2,181	62,073	832,615	13.18
74–75	.03663	60,983	2,234	59,866	770,542	12.64
75–76	.03871	58,749	2,274	57,613	710,676	12.10
76–77	.04097	56,475	2,314	55,317	653,063	11.56
77–78	.04325	54,161	2,342	52,990	597,746	11.04
78–79	.04566	51,819	2,367	50,636	544,756	10.51
79–80	.04833	49,452	2,390	48,257	494,120	9.99
80–81	.05121	47,062	2,410	45,858	445,863	9.47
81–82	.05440	44,652	2,429	43,438	400,005	8.96
82–83	.05820	42,223	2,457	40,994	356,567	8.44
83–84	.06279	39,766	2,497	38,518	315,573	7.94
84–85	.06818	37,269	2,541	35,998	277,055	7.43
85–86	.07649	34,728	2,656	33,400	241,057	6.94
86–87	.08569	32,072	2,749	30,698	207,657	6.47
87–88	.09625	29,323	2,822	27,912	176,959	6.03
88–89	.10856	26,501	2,877	25,062	149,047	5.62
89–90	.12257	23,624	2,896	22,177	123,985	5.25
90–91	.13852	20,728	2,871	19,292	101,808	4.91
91–92	.15515	17,857	2,770	16,472	82,516	4.62
92–93	.16989	15,087	2,563	13,805	66,044	4.38
93–94	.18028	12,524	2,258	11,395	52,239	4.17
94–95	.18763	10,266	1,926	9,303	40,844	3.98
95–96	.19586	8,340	1,634	7,522	31,541	3.78
96–97	.20830	6,706	1,397	6,008	24,019	3.58
97–98	.22089	5,309	1,172	4,723	18,011	3.39
98–99	.23370	4,137	967	3,653	13,288	3.21
99–100	.24726	3,170	784	2,778	9,635	3.04
100–101	.26160	2,386	624	2,074	6,857	2.87
101–102	.27677	1,762	488	1,518	4,783	2.71
102–103	.29282	1,274	373	1,088	3,265	2.56
103–104	.30981	901	279	761	2,177	2.42
104–105	.32778	622	204	520	1,416	2.28
105–106	.34679	418	145	346	896	2.14
106–107	.36690	273	100	223	550	2.01
107–108	.38818	173	67	139	327	1.89
108–109	.41070	106	44	84	188	1.78
109–110	.43452	62	27	49	104	1.66

Table 8. Life table for males other than white: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.01121	100,000	1,121	99,051	7,129,381	71.29
1–2	.00081	98,879	79	98,839	7,030,330	71.10
2–3	.00054	98,800	54	98,773	6,931,491	70.16
3–4	.00045	98,746	44	98,724	6,832,718	69.19
4–5	.00035	98,702	34	98,685	6,733,994	68.23
5–6	.00031	98,668	31	98,653	6,635,309	67.25
6–7	.00030	98,637	30	98,622	6,536,656	66.27
7–8	.00028	98,607	27	98,594	6,438,034	65.29
8–9	.00024	98,580	24	98,568	6,339,440	64.31
9–10	.00019	98,556	19	98,546	6,240,872	63.32
10–11	.00014	98,537	13	98,531	6,142,326	62.33
11–12	.00014	98,524	14	98,517	6,043,795	61.34
12–13	.00026	98,510	26	98,497	5,945,278	60.35
13–14	.00050	98,484	49	98,459	5,846,781	59.37
14–15	.00082	98,435	81	98,395	5,748,322	58.40
15–16	.00114	98,354	112	98,298	5,649,927	57.44
16–17	.00141	98,242	139	98,172	5,551,629	56.51
17–18	.00161	98,103	158	98,024	5,453,457	55.59
18–19	.00172	97,945	169	97,861	5,355,433	54.68
19–20	.00177	97,776	172	97,690	5,257,572	53.77
20–21	.00180	97,604	176	97,515	5,159,882	52.87
21–22	.00184	97,428	179	97,339	5,062,367	51.96
22–23	.00186	97,249	181	97,159	4,965,028	51.05
23–24	.00188	97,068	182	96,976	4,867,869	50.15
24–25	.00189	96,886	184	96,794	4,770,893	49.24
25–26	.00190	96,702	184	96,611	4,674,099	48.33
26–27	.00192	96,518	185	96,425	4,577,488	47.43
27–28	.00195	96,333	188	96,239	4,481,063	46.52
28–29	.00197	96,145	190	96,050	4,384,824	45.61
29–30	.00201	95,955	193	95,859	4,288,774	44.70
30–31	.00204	95,762	195	95,664	4,192,915	43.78
31–32	.00209	95,567	200	95,467	4,097,251	42.87
32–33	.00223	95,367	213	95,261	4,001,784	41.96
33–34	.00251	95,154	239	95,034	3,906,523	41.05
34–35	.00290	94,915	275	94,777	3,811,489	40.16
35–36	.00337	94,640	319	94,481	3,716,712	39.27
36–37	.00384	94,321	362	94,139	3,622,231	38.40
37–38	.00424	93,959	398	93,760	3,528,092	37.55
38–39	.00448	93,561	420	93,351	3,434,332	36.71
39–40	.00460	93,141	428	92,927	3,340,981	35.87
40–41	.00469	92,713	435	92,496	3,248,054	35.03
41–42	.00481	92,278	444	92,056	3,155,558	34.20
42–43	.00493	91,834	453	91,607	3,063,502	33.36
43–44	.00507	91,381	464	91,150	2,971,895	32.52
44–45	.00524	90,917	476	90,679	2,880,745	31.69
45–46	.00542	90,441	490	90,196	2,790,066	30.85
46–47	.00562	89,951	505	89,698	2,699,870	30.01
47–48	.00587	89,446	526	89,183	2,610,172	29.18
48–49	.00620	88,920	551	88,645	2,520,989	28.35
49–50	.00661	88,369	584	88,077	2,432,344	27.52
50–51	.00704	87,785	617	87,476	2,344,267	26.70
51–52	.00753	87,168	657	86,839	2,256,791	25.89
52–53	.00819	86,511	709	86,157	2,169,952	25.08
53–54	.00908	85,802	779	85,412	2,083,795	24.29
54–55	.01018	85,023	866	84,590	1,998,383	23.50

Table 8. Life table for males other than white: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.01146	84,157	964	83,675	1,913,793	22.74
56–57	.01279	83,193	1,065	82,660	1,830,118	22.00
57–58	.01407	82,128	1,155	81,551	1,747,458	21.28
58–59	.01515	80,973	1,227	80,359	1,665,907	20.57
59–60	.01609	79,746	1,283	79,105	1,585,548	19.88
60–61	.01695	78,463	1,330	77,797	1,506,443	19.20
61–62	.01790	77,133	1,381	76,443	1,428,646	18.52
62–63	.01908	75,752	1,445	75,030	1,352,203	17.85
63–64	.02061	74,307	1,531	73,541	1,277,173	17.19
64–65	.02245	72,776	1,634	71,959	1,203,632	16.54
65–66	.02442	71,142	1,738	70,273	1,131,673	15.91
66–67	.02636	69,404	1,829	68,490	1,061,400	15.29
67–68	.02834	67,575	1,915	66,617	992,910	14.69
68–69	.03039	65,660	1,995	64,662	926,293	14.11
69–70	.03266	63,665	2,080	62,625	861,631	13.53
70–71	.03528	61,585	2,173	60,499	799,006	12.97
71–72	.03835	59,412	2,278	58,273	738,507	12.43
72–73	.04181	57,134	2,389	55,940	680,234	11.91
73–74	.04543	54,745	2,487	53,501	624,294	11.40
74–75	.04899	52,258	2,560	50,978	570,793	10.92
75–76	.05275	49,698	2,622	48,387	519,815	10.46
76–77	.05676	47,076	2,672	45,740	471,428	10.01
77–78	.06046	44,404	2,684	43,062	425,688	9.59
78–79	.06369	41,720	2,658	40,391	382,626	9.17
79–80	.06654	39,062	2,599	37,763	342,235	8.76
80–81	.06929	36,463	2,526	35,200	304,472	8.35
81–82	.07215	33,937	2,449	32,713	269,272	7.93
82–83	.07510	31,488	2,365	30,305	236,559	7.51
83–84	.07827	29,123	2,279	27,984	206,254	7.08
84–85	.08176	26,844	2,195	25,747	178,270	6.64
85–86	.08842	24,649	2,179	23,559	152,523	6.19
86–87	.09623	22,470	2,163	21,389	128,964	5.74
87–88	.10753	20,307	2,183	19,215	107,575	5.30
88–89	.12379	18,124	2,244	17,002	88,360	4.88
89–90	.14438	15,880	2,292	14,734	71,358	4.49
90–91	.16842	13,588	2,289	12,444	56,624	4.17
91–92	.19251	11,299	2,175	10,211	44,180	3.91
92–93	.21187	9,124	1,933	8,158	33,969	3.72
93–94	.22210	7,191	1,597	6,392	25,811	3.59
94–95	.22548	5,594	1,262	4,963	19,419	3.47
95–96	.22903	4,332	992	3,836	14,456	3.34
96–97	.24048	3,340	803	2,939	10,620	3.18
97–98	.25250	2,537	641	2,217	7,681	3.03
98–99	.26513	1,896	502	1,645	5,464	2.88
99–100	.27838	1,394	388	1,199	3,819	2.74
100–101	.29230	1,006	294	859	2,620	2.61
101–102	.30692	712	219	602	1,761	2.47
102–103	.32226	493	159	414	1,159	2.35
103–104	.33837	334	113	278	745	2.23
104–105	.35529	221	78	182	467	2.11
105–106	.37306	143	54	116	285	2.00
106–107	.39171	89	35	72	169	1.89
107–108	.41130	54	22	43	97	1.79
108–109	.43186	32	14	25	54	1.69
109–110	.45345	18	8	14	29	1.59

Table 9. Life table for females other than white: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.01052	100,000	1,052	99,136	7,859,877	78.60
1–2	.00060	98,948	60	98,918	7,760,741	78.43
2–3	.00039	98,888	38	98,868	7,661,823	77.48
3–4	.00029	98,850	29	98,836	7,562,955	76.51
4–5	.00024	98,821	23	98,810	7,464,119	75.53
5–6	.00022	98,798	22	98,786	7,365,309	74.55
6–7	.00019	98,776	19	98,767	7,266,523	73.57
7–8	.00016	98,757	16	98,749	7,167,756	72.58
8–9	.00014	98,741	14	98,735	7,069,007	71.59
9–10	.00012	98,727	12	98,721	6,970,272	70.60
10–11	.00011	98,715	11	98,710	6,871,551	69.61
11–12	.00011	98,704	10	98,699	6,772,841	68.62
12–13	.00013	98,694	13	98,687	6,674,142	67.62
13–14	.00016	98,681	16	98,674	6,575,455	66.63
14–15	.00021	98,665	21	98,654	6,476,781	65.64
15–16	.00026	98,644	26	98,631	6,378,127	64.66
16–17	.00031	98,618	31	98,603	6,279,496	63.67
17–18	.00036	98,587	35	98,569	6,180,893	62.69
18–19	.00039	98,552	39	98,533	6,082,324	61.72
19–20	.00042	98,513	41	98,493	5,983,791	60.74
20–21	.00045	98,472	45	98,449	5,885,298	59.77
21–22	.00049	98,427	48	98,404	5,786,849	58.79
22–23	.00051	98,379	50	98,354	5,688,445	57.82
23–24	.00053	98,329	52	98,303	5,590,091	56.85
24–25	.00054	98,277	53	98,250	5,491,788	55.88
25–26	.00055	98,224	55	98,197	5,393,538	54.91
26–27	.00057	98,169	56	98,141	5,295,341	53.94
27–28	.00062	98,113	61	98,083	5,197,200	52.97
28–29	.00072	98,052	70	98,017	5,099,117	52.00
29–30	.00084	97,982	82	97,940	5,001,100	51.04
30–31	.00098	97,900	96	97,852	4,903,160	50.08
31–32	.00111	97,804	108	97,750	4,805,308	49.13
32–33	.00124	97,696	121	97,636	4,707,558	48.19
33–34	.00135	97,575	132	97,509	4,609,922	47.24
34–35	.00146	97,443	141	97,372	4,512,413	46.31
35–36	.00157	97,302	153	97,226	4,415,041	45.37
36–37	.00169	97,149	165	97,066	4,317,815	44.45
37–38	.00181	96,984	175	96,896	4,220,749	43.52
38–39	.00191	96,809	185	96,717	4,123,853	42.60
39–40	.00200	96,624	193	96,527	4,027,136	41.68
40–41	.00208	96,431	201	96,330	3,930,609	40.76
41–42	.00218	96,230	210	96,125	3,834,279	39.85
42–43	.00230	96,020	221	95,910	3,738,154	38.93
43–44	.00246	95,799	235	95,681	3,642,244	38.02
44–45	.00265	95,564	253	95,438	3,546,563	37.11
45–46	.00288	95,311	275	95,173	3,451,125	36.21
46–47	.00314	95,036	298	94,888	3,355,952	35.31
47–48	.00341	94,738	323	94,576	3,261,064	34.42
48–49	.00369	94,415	349	94,241	3,166,488	33.54
49–50	.00398	94,066	374	93,879	3,072,247	32.66
50–51	.00431	93,692	404	93,490	2,978,368	31.79
51–52	.00468	93,288	436	93,070	2,884,878	30.92
52–53	.00508	92,852	472	92,616	2,791,808	30.07
53–54	.00553	92,380	510	92,125	2,699,192	29.22
54–55	.00601	91,870	552	91,594	2,607,067	28.38

Table 9. Life table for females other than white: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.00650	91,318	594	91,021	2,515,473	27.55
56–57	.00702	90,724	637	90,406	2,424,452	26.72
57–58	.00765	90,087	689	89,742	2,334,046	25.91
58–59	.00841	89,398	752	89,021	2,244,304	25.10
59–60	.00926	88,646	821	88,236	2,155,283	24.31
60–61	.01015	87,825	892	87,379	2,067,047	23.54
61–62	.01102	86,933	958	86,454	1,979,668	22.77
62–63	.01184	85,975	1,018	85,466	1,893,214	22.02
63–64	.01260	84,957	1,071	84,421	1,807,748	21.28
64–65	.01335	83,886	1,119	83,327	1,723,327	20.54
65–66	.01408	82,767	1,166	82,183	1,640,000	19.81
66–67	.01489	81,601	1,215	80,994	1,557,817	19.09
67–68	.01593	80,386	1,280	79,746	1,476,823	18.37
68–69	.01733	79,106	1,371	78,421	1,397,077	17.66
69–70	.01907	77,735	1,482	76,994	1,318,656	16.96
70–71	.02115	76,253	1,613	75,447	1,241,662	16.28
71–72	.02340	74,640	1,746	73,767	1,166,215	15.62
72–73	.02555	72,894	1,863	71,962	1,092,448	14.99
73–74	.02729	71,031	1,938	70,062	1,020,486	14.37
74–75	.02862	69,093	1,978	68,104	950,424	13.76
75–76	.02984	67,115	2,003	66,113	882,320	13.15
76–77	.03128	65,112	2,036	64,094	816,207	12.54
77–78	.03296	63,076	2,079	62,037	752,113	11.92
78–79	.03514	60,997	2,143	59,925	690,076	11.31
79–80	.03793	58,854	2,233	57,738	630,151	10.71
80–81	.04110	56,621	2,327	55,458	572,413	10.11
81–82	.04467	54,294	2,425	53,081	516,955	9.52
82–83	.04919	51,869	2,552	50,593	463,874	8.94
83–84	.05484	49,317	2,704	47,965	413,281	8.38
84–85	.06154	46,613	2,869	45,179	365,316	7.84
85–86	.07081	43,744	3,097	42,196	320,137	7.32
86–87	.08071	40,647	3,281	39,006	277,941	6.84
87–88	.09090	37,366	3,396	35,668	238,935	6.39
88–89	.10146	33,970	3,447	32,247	203,267	5.98
89–90	.11280	30,523	3,443	28,801	171,020	5.60
90–91	.12568	27,080	3,403	25,379	142,219	5.25
91–92	.13973	23,677	3,309	22,022	116,840	4.93
92–93	.15316	20,368	3,119	18,809	94,818	4.66
93–94	.16416	17,249	2,832	15,833	76,009	4.41
94–95	.17335	14,417	2,499	13,168	60,176	4.17
95–96	.18338	11,918	2,185	10,825	47,008	3.94
96–97	.19682	9,733	1,916	8,775	36,183	3.72
97–98	.21089	7,817	1,649	6,993	27,408	3.51
98–99	.22557	6,168	1,391	5,472	20,415	3.31
99–100	.23911	4,777	1,142	4,206	14,943	3.13
100–101	.25346	3,635	921	3,174	10,737	2.95
101–102	.26866	2,714	730	2,349	7,563	2.79
102–103	.28478	1,984	565	1,702	5,214	2.63
103–104	.30187	1,419	428	1,205	3,512	2.47
104–105	.31998	991	317	833	2,307	2.33
105–106	.33918	674	229	559	1,474	2.19
106–107	.35953	445	160	366	915	2.05
107–108	.38110	285	108	230	549	1.93
108–109	.40397	177	72	141	319	1.80
109–110	.42821	105	45	83	178	1.69

Table 10. Life table for the black population: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.01362	100,000	1,362	98,857	7,245,348	72.45
1–2	.00091	98,638	89	98,594	7,146,491	72.45
2–3	.00059	98,549	58	98,520	7,047,897	71.52
3–4	.00047	98,491	46	98,468	6,949,377	70.56
4–5	.00038	98,445	37	98,426	6,850,909	69.59
5–6	.00033	98,408	33	98,391	6,752,483	68.62
6–7	.00030	98,375	29	98,361	6,654,092	67.64
7–8	.00027	98,346	26	98,333	6,555,731	66.66
8–9	.00023	98,320	23	98,308	6,457,398	65.68
9–10	.00018	98,297	18	98,288	6,359,090	64.69
10–11	.00015	98,279	14	98,272	6,260,802	63.70
11–12	.00015	98,265	15	98,257	6,162,530	62.71
12–13	.00024	98,250	23	98,239	6,064,273	61.72
13–14	.00042	98,227	42	98,206	5,966,034	60.74
14–15	.00066	98,185	65	98,153	5,867,828	59.76
15–16	.00093	98,120	91	98,074	5,769,675	58.80
16–17	.00116	98,029	113	97,973	5,671,601	57.86
17–18	.00133	97,916	130	97,851	5,573,628	56.92
18–19	.00142	97,786	139	97,717	5,475,777	56.00
19–20	.00147	97,647	143	97,575	5,378,060	55.08
20–21	.00150	97,504	146	97,431	5,280,485	54.16
21–22	.00154	97,358	150	97,283	5,183,054	53.24
22–23	.00157	97,208	153	97,132	5,085,771	52.32
23–24	.00160	97,055	156	96,977	4,988,639	51.40
24–25	.00163	96,899	158	96,820	4,891,662	50.48
25–26	.00167	96,741	161	96,660	4,794,842	49.56
26–27	.00171	96,580	165	96,498	4,698,182	48.65
27–28	.00176	96,415	170	96,330	4,601,684	47.73
28–29	.00184	96,245	176	96,157	4,505,354	46.81
29–30	.00194	96,069	187	95,975	4,409,197	45.90
30–31	.00204	95,882	195	95,785	4,313,222	44.98
31–32	.00216	95,687	206	95,584	4,217,437	44.08
32–33	.00233	95,481	223	95,369	4,121,853	43.17
33–34	.00259	95,258	247	95,135	4,026,484	42.27
34–35	.00292	95,011	277	94,872	3,931,349	41.38
35–36	.00330	94,734	312	94,579	3,836,477	40.50
36–37	.00368	94,422	348	94,248	3,741,898	39.63
37–38	.00402	94,074	378	93,885	3,647,650	38.77
38–39	.00426	93,696	400	93,495	3,553,765	37.93
39–40	.00441	93,296	411	93,091	3,460,270	37.09
40–41	.00455	92,885	423	92,673	3,367,179	36.25
41–42	.00471	92,462	435	92,245	3,274,506	35.41
42–43	.00487	92,027	448	91,803	3,182,261	34.58
43–44	.00503	91,579	461	91,348	3,090,458	33.75
44–45	.00522	91,118	475	90,880	2,999,110	32.91
45–46	.00541	90,643	491	90,398	2,908,230	32.08
46–47	.00562	90,152	507	89,899	2,817,832	31.26
47–48	.00588	89,645	527	89,381	2,727,933	30.43
48–49	.00619	89,118	551	88,843	2,638,552	29.61
49–50	.00656	88,567	581	88,276	2,549,709	28.79
50–51	.00697	87,986	614	87,679	2,461,433	27.98
51–52	.00746	87,372	651	87,047	2,373,754	27.17
52–53	.00808	86,721	700	86,370	2,286,707	26.37
53–54	.00887	86,021	763	85,640	2,200,337	25.58
54–55	.00980	85,258	836	84,839	2,114,697	24.80

Table 10. Life table for the black population: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.01084	84,422	915	83,965	2,029,858	24.04
56–57	.01192	83,507	995	83,009	1,945,893	23.30
57–58	.01302	82,512	1,075	81,975	1,862,884	22.58
58–59	.01410	81,437	1,148	80,863	1,780,909	21.87
59–60	.01514	80,289	1,216	79,681	1,700,046	21.17
60–61	.01616	79,073	1,278	78,434	1,620,365	20.49
61–62	.01720	77,795	1,338	77,127	1,541,931	19.82
62–63	.01828	76,457	1,398	75,758	1,464,804	19.16
63–64	.01948	75,059	1,462	74,329	1,389,046	18.51
64–65	.02079	73,597	1,529	72,832	1,314,717	17.86
65–66	.02214	72,068	1,596	71,270	1,241,885	17.23
66–67	.02352	70,472	1,657	69,644	1,170,615	16.61
67–68	.02504	68,815	1,723	67,953	1,100,971	16.00
68–69	.02680	67,092	1,798	66,193	1,033,018	15.40
69–70	.02883	65,294	1,883	64,353	966,825	14.81
70–71	.03119	63,411	1,978	62,422	902,472	14.23
71–72	.03379	61,433	2,075	60,395	840,050	13.67
72–73	.03642	59,358	2,162	58,277	779,655	13.13
73–74	.03881	57,196	2,220	56,086	721,378	12.61
74–75	.04094	54,976	2,251	53,851	665,292	12.10
75–76	.04307	52,725	2,270	51,590	611,441	11.60
76–77	.04544	50,455	2,293	49,308	559,851	11.10
77–78	.04791	48,162	2,307	47,008	510,543	10.60
78–79	.05059	45,855	2,320	44,695	463,535	10.11
79–80	.05357	43,535	2,332	42,370	418,840	9.62
80–81	.05678	41,203	2,339	40,033	376,470	9.14
81–82	.06029	38,864	2,343	37,692	336,437	8.66
82–83	.06444	36,521	2,354	35,344	298,745	8.18
83–84	.06940	34,167	2,371	32,982	263,401	7.71
84–85	.07517	31,796	2,390	30,601	230,419	7.25
85–86	.08334	29,406	2,451	28,181	199,818	6.80
86–87	.09215	26,955	2,484	25,713	171,637	6.37
87–88	.10195	24,471	2,494	23,224	145,924	5.96
88–89	.11312	21,977	2,486	20,734	122,700	5.58
89–90	.12582	19,491	2,453	18,264	101,966	5.23
90–91	.14049	17,038	2,393	15,842	83,702	4.91
91–92	.15621	14,645	2,288	13,501	67,860	4.63
92–93	.17050	12,357	2,107	11,303	54,359	4.40
93–94	.18045	10,250	1,849	9,326	43,056	4.20
94–95	.18691	8,401	1,571	7,615	33,730	4.02
95–96	.19386	6,830	1,324	6,168	26,115	3.82
96–97	.20590	5,506	1,134	4,940	19,947	3.62
97–98	.21821	4,372	954	3,895	15,007	3.43
98–99	.23087	3,418	789	3,024	11,112	3.25
99–100	.24426	2,629	642	2,308	8,088	3.08
100–101	.25843	1,987	514	1,730	5,780	2.91
101–102	.27342	1,473	402	1,272	4,050	2.75
102–103	.28927	1,071	310	916	2,778	2.59
103–104	.30605	761	233	644	1,862	2.45
104–105	.32380	528	171	443	1,218	2.31
105–106	.34258	357	122	296	775	2.17
106–107	.36245	235	85	192	479	2.04
107–108	.38348	150	58	121	287	1.92
108–109	.40572	92	37	73	166	1.80
109–110	.42925	55	24	44	93	1.69

Table 11. Life table for black males: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.01441	100,000	1,441	98,775	6,817,240	68.17
1–2	.00099	98,559	97	98,511	6,718,465	68.17
2–3	.00064	98,462	64	98,430	6,619,954	67.23
3–4	.00053	98,398	52	98,372	6,521,524	66.28
4–5	.00043	98,346	43	98,324	6,423,152	65.31
5–6	.00038	98,303	37	98,285	6,324,828	64.34
6–7	.00036	98,266	35	98,248	6,226,543	63.36
7–8	.00034	98,231	34	98,214	6,128,295	62.39
8–9	.00030	98,197	29	98,182	6,030,081	61.41
9–10	.00023	98,168	23	98,157	5,931,899	60.43
10–11	.00017	98,145	17	98,136	5,833,742	59.44
11–12	.00018	98,128	17	98,120	5,735,606	58.45
12–13	.00032	98,111	32	98,095	5,637,486	57.46
13–14	.00064	98,079	63	98,047	5,539,391	56.48
14–15	.00107	98,016	105	97,964	5,441,344	55.51
15–16	.00152	97,911	149	97,837	5,343,380	54.57
16–17	.00192	97,762	187	97,668	5,245,543	53.66
17–18	.00221	97,575	216	97,467	5,147,875	52.76
18–19	.00236	97,359	230	97,244	5,050,408	51.87
19–20	.00242	97,129	235	97,012	4,953,164	51.00
20–21	.00246	96,894	239	96,774	4,856,152	50.12
21–22	.00251	96,655	243	96,534	4,759,378	49.24
22–23	.00254	96,412	245	96,290	4,662,844	48.36
23–24	.00256	96,167	246	96,043	4,566,554	47.49
24–25	.00257	95,921	247	95,798	4,470,511	46.61
25–26	.00258	95,674	247	95,550	4,374,713	45.73
26–27	.00260	95,427	248	95,303	4,279,163	44.84
27–28	.00263	95,179	250	95,055	4,183,860	43.96
28–29	.00267	94,929	253	94,802	4,088,805	43.07
29–30	.00274	94,676	260	94,546	3,994,003	42.19
30–31	.00281	94,416	265	94,284	3,899,457	41.30
31–32	.00289	94,151	273	94,014	3,805,173	40.42
32–33	.00309	93,878	290	93,733	3,711,159	39.53
33–34	.00345	93,588	323	93,427	3,617,426	38.65
34–35	.00393	93,265	366	93,082	3,523,999	37.78
35–36	.00451	92,899	420	92,689	3,430,917	36.93
36–37	.00510	92,479	471	92,244	3,338,228	36.10
37–38	.00561	92,008	516	91,749	3,245,984	35.28
38–39	.00595	91,492	545	91,220	3,154,235	34.48
39–40	.00615	90,947	559	90,667	3,063,015	33.68
40–41	.00632	90,388	571	90,103	2,972,348	32.88
41–42	.00653	89,817	586	89,523	2,882,245	32.09
42–43	.00673	89,231	601	88,931	2,792,722	31.30
43–44	.00695	88,630	616	88,321	2,703,791	30.51
44–45	.00719	88,014	633	87,698	2,615,470	29.72
45–46	.00744	87,381	650	87,056	2,527,772	28.93
46–47	.00772	86,731	669	86,396	2,440,716	28.14
47–48	.00806	86,062	694	85,715	2,354,320	27.36
48–49	.00850	85,368	726	85,004	2,268,605	26.57
49–50	.00904	84,642	765	84,260	2,183,601	25.80
50–51	.00963	83,877	808	83,473	2,099,341	25.03
51–52	.01029	83,069	855	82,641	2,015,868	24.27
52–53	.01112	82,214	914	81,758	1,933,227	23.51
53–54	.01214	81,300	987	80,806	1,851,469	22.77
54–55	.01333	80,313	1,071	79,778	1,770,663	22.05

Table 11. Life table for black males: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.01468	79,242	1,163	78,661	1,690,885	21.34
56–57	.01608	78,079	1,256	77,451	1,612,224	20.65
57–58	.01741	76,823	1,337	76,155	1,534,773	19.98
58–59	.01857	75,486	1,402	74,784	1,458,618	19.32
59–60	.01959	74,084	1,451	73,359	1,383,834	18.68
60–61	.02048	72,633	1,488	71,889	1,310,475	18.04
61–62	.02145	71,145	1,526	70,382	1,238,586	17.41
62–63	.02277	69,619	1,585	68,826	1,168,204	16.78
63–64	.02463	68,034	1,676	67,196	1,099,378	16.16
64–65	.02695	66,358	1,788	65,464	1,032,182	15.55
65–66	.02950	64,570	1,905	63,617	966,718	14.97
66–67	.03199	62,665	2,005	61,663	903,101	14.41
67–68	.03438	60,660	2,085	59,617	841,438	13.87
68–69	.03661	58,575	2,145	57,503	781,821	13.35
69–70	.03880	56,430	2,189	55,335	724,318	12.84
70–71	.04126	54,241	2,238	53,122	668,983	12.33
71–72	.04412	52,003	2,295	50,856	615,861	11.84
72–73	.04721	49,708	2,346	48,535	565,005	11.37
73–74	.05033	47,362	2,384	46,169	516,470	10.90
74–75	.05339	44,978	2,401	43,778	470,301	10.46
75–76	.05661	42,577	2,411	41,371	426,523	10.02
76–77	.06012	40,166	2,414	38,959	385,152	9.59
77–78	.06365	37,752	2,403	36,551	346,193	9.17
78–79	.06710	35,349	2,372	34,162	309,642	8.76
79–80	.07051	32,977	2,325	31,814	275,480	8.35
80–81	.07394	30,652	2,267	29,519	243,666	7.95
81–82	.07754	28,385	2,201	27,284	214,147	7.54
82–83	.08149	26,184	2,134	25,118	186,863	7.14
83–84	.08606	24,050	2,069	23,015	161,745	6.73
84–85	.09148	21,981	2,011	20,975	138,730	6.31
85–86	.10024	19,970	2,002	18,969	117,755	5.90
86–87	.10997	17,968	1,976	16,980	98,786	5.50
87–88	.12199	15,992	1,951	15,017	81,806	5.12
88–89	.13697	14,041	1,923	13,080	66,789	4.76
89–90	.15452	12,118	1,873	11,181	53,709	4.43
90–91	.17469	10,245	1,789	9,351	42,528	4.15
91–92	.19529	8,456	1,652	7,630	33,177	3.92
92–93	.21177	6,804	1,441	6,084	25,547	3.75
93–94	.21997	5,363	1,179	4,773	19,463	3.63
94–95	.22229	4,184	930	3,719	14,690	3.51
95–96	.22659	3,254	738	2,885	10,971	3.37
96–97	.23792	2,516	598	2,217	8,086	3.21
97–98	.24982	1,918	479	1,678	5,869	3.06
98–99	.26231	1,439	378	1,250	4,191	2.91
99–100	.27542	1,061	292	915	2,941	2.77
100–101	.28920	769	222	658	2,026	2.63
101–102	.30365	547	166	464	1,368	2.50
102–103	.31884	381	122	320	904	2.38
103–104	.33478	259	87	216	584	2.25
104–105	.35152	172	60	142	368	2.14
105–106	.36909	112	41	91	226	2.02
106–107	.38755	71	28	57	135	1.92
107–108	.40693	43	17	34	78	1.81
108–109	.42727	26	11	20	44	1.71
109–110	.44864	15	7	12	24	1.61

Table 12. Life table for black females: Massachusetts, 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	$\overset{o}{e}_x$
0–1	.01281	100,000	1,281	98,940	7,649,574	76.50
1–2	.00082	98,719	81	98,678	7,550,634	76.49
2–3	.00054	98,638	53	98,612	7,451,956	75.55
3–4	.00039	98,585	39	98,566	7,353,344	74.59
4–5	.00033	98,546	32	98,530	7,254,778	73.62
5–6	.00028	98,514	28	98,500	7,156,248	72.64
6–7	.00023	98,486	23	98,474	7,057,748	71.66
7–8	.00019	98,463	18	98,454	6,959,274	70.68
8–9	.00016	98,445	16	98,437	6,860,820	69.69
9–10	.00013	98,429	13	98,423	6,762,383	68.70
10–11	.00012	98,416	12	98,410	6,663,960	67.71
11–12	.00012	98,404	12	98,398	6,565,550	66.72
12–13	.00015	98,392	15	98,385	6,467,152	65.73
13–14	.00019	98,377	18	98,368	6,368,767	64.74
14–15	.00025	98,359	25	98,347	6,270,399	63.75
15–16	.00032	98,334	31	98,318	6,172,052	62.77
16–17	.00038	98,303	38	98,284	6,073,734	61.79
17–18	.00044	98,265	43	98,243	5,975,450	60.81
18–19	.00049	98,222	48	98,197	5,877,207	59.84
19–20	.00052	98,174	52	98,149	5,779,010	58.87
20–21	.00056	98,122	54	98,095	5,680,861	57.90
21–22	.00060	98,068	59	98,038	5,582,766	56.93
22–23	.00064	98,009	63	97,977	5,484,728	55.96
23–24	.00069	97,946	68	97,912	5,386,751	55.00
24–25	.00073	97,878	72	97,842	5,288,839	54.03
25–26	.00078	97,806	76	97,768	5,190,997	53.07
26–27	.00084	97,730	82	97,689	5,093,229	52.12
27–28	.00092	97,648	90	97,603	4,995,540	51.16
28–29	.00102	97,558	100	97,507	4,897,937	50.21
29–30	.00115	97,458	113	97,402	4,800,430	49.26
30–31	.00129	97,345	126	97,282	4,703,028	48.31
31–32	.00144	97,219	139	97,150	4,605,746	47.37
32–33	.00159	97,080	155	97,002	4,508,596	46.44
33–34	.00176	96,925	171	96,840	4,411,594	45.52
34–35	.00194	96,754	187	96,661	4,314,754	44.59
35–36	.00214	96,567	207	96,463	4,218,093	43.68
36–37	.00234	96,360	225	96,248	4,121,630	42.77
37–38	.00253	96,135	244	96,013	4,025,382	41.87
38–39	.00267	95,891	256	95,763	3,929,369	40.98
39–40	.00279	95,635	266	95,502	3,833,606	40.09
40–41	.00289	95,369	276	95,231	3,738,104	39.20
41–42	.00301	95,093	286	94,950	3,642,873	38.31
42–43	.00313	94,807	297	94,658	3,547,923	37.42
43–44	.00327	94,510	309	94,356	3,453,265	36.54
44–45	.00343	94,201	324	94,039	3,358,909	35.66
45–46	.00362	93,877	339	93,708	3,264,870	34.78
46–47	.00382	93,538	357	93,359	3,171,162	33.90
47–48	.00403	93,181	375	92,994	3,077,803	33.03
48–49	.00424	92,806	393	92,609	2,984,809	32.16
49–50	.00447	92,413	414	92,206	2,892,200	31.30
50–51	.00474	91,999	436	91,781	2,799,994	30.44
51–52	.00507	91,563	464	91,331	2,708,213	29.58
52–53	.00552	91,099	502	90,848	2,616,882	28.73
53–54	.00613	90,597	556	90,319	2,526,034	27.88
54–55	.00688	90,041	619	89,732	2,435,715	27.05

Table 12. Life table for black females: Massachusetts, 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	$\overset{o}{e}_x$
55–56	.00768	89,422	687	89,079	2,345,983	26.23
56–57	.00853	88,735	757	88,357	2,256,904	25.43
57–58	.00948	87,978	833	87,562	2,168,547	24.65
58–59	.01052	87,145	917	86,686	2,080,985	23.88
59–60	.01160	86,228	1,000	85,728	1,994,299	23.13
60–61	.01275	85,228	1,087	84,684	1,908,571	22.39
61–62	.01386	84,141	1,167	83,558	1,823,887	21.68
62–63	.01479	82,974	1,227	82,361	1,740,329	20.97
63–64	.01548	81,747	1,266	81,114	1,657,968	20.28
64–65	.01603	80,481	1,289	79,837	1,576,854	19.59
65–66	.01646	79,192	1,304	78,539	1,497,017	18.90
66–67	.01701	77,888	1,325	77,226	1,418,478	18.21
67–68	.01794	76,563	1,374	75,876	1,341,252	17.52
68–69	.01946	75,189	1,463	74,457	1,265,376	16.83
69–70	.02155	73,726	1,589	72,932	1,190,919	16.15
70–71	.02405	72,137	1,735	71,269	1,117,987	15.50
71–72	.02669	70,402	1,879	69,463	1,046,718	14.87
72–73	.02926	68,523	2,005	67,521	977,255	14.26
73–74	.03143	66,518	2,091	65,472	909,734	13.68
74–75	.03321	64,427	2,140	63,357	844,262	13.10
75–76	.03497	62,287	2,178	61,199	780,905	12.54
76–77	.03699	60,109	2,223	58,997	719,706	11.97
77–78	.03916	57,886	2,267	56,753	660,709	11.41
78–79	.04165	55,619	2,316	54,461	603,956	10.86
79–80	.04455	53,303	2,375	52,115	549,495	10.31
80–81	.04773	50,928	2,431	49,712	497,380	9.77
81–82	.05129	48,497	2,488	47,253	447,668	9.23
82–83	.05572	46,009	2,563	44,728	400,415	8.70
83–84	.06119	43,446	2,659	42,116	355,687	8.19
84–85	.06757	40,787	2,755	39,410	313,571	7.69
85–86	.07588	38,032	2,886	36,588	274,161	7.21
86–87	.08464	35,146	2,975	33,659	237,573	6.76
87–88	.09379	32,171	3,017	30,662	203,914	6.34
88–89	.10363	29,154	3,021	27,644	173,252	5.94
89–90	.11462	26,133	2,996	24,635	145,608	5.57
90–91	.12738	23,137	2,947	21,663	120,973	5.23
91–92	.14152	20,190	2,857	18,762	99,310	4.92
92–93	.15527	17,333	2,691	15,987	80,548	4.65
93–94	.16613	14,642	2,433	13,426	64,561	4.41
94–95	.17424	12,209	2,127	11,145	51,135	4.19
95–96	.18244	10,082	1,840	9,162	39,990	3.97
96–97	.19556	8,242	1,611	7,437	30,828	3.74
97–98	.20946	6,631	1,389	5,936	23,391	3.53
98–99	.22414	5,242	1,175	4,654	17,455	3.33
99–100	.23758	4,067	966	3,584	12,801	3.15
100–101	.25184	3,101	781	2,710	9,217	2.97
101–102	.26695	2,320	619	2,010	6,507	2.80
102–103	.28297	1,701	482	1,460	4,497	2.64
103–104	.29994	1,219	365	1,037	3,037	2.49
104–105	.31794	854	272	718	2,000	2.34
105–106	.33702	582	196	484	1,282	2.20
106–107	.35724	386	138	317	798	2.07
107–108	.37867	248	94	201	481	1.94
108–109	.40139	154	62	123	280	1.82
109–110	.42548	92	39	73	157	1.70

Table 13. Standard errors of the probability of dying: Massachusetts, 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	.000161	.000234	.000219	.000166	.000243	.000224	.000542	.000772	.000761	.000720	.001042	.000994
1	.000039	.000057	.000054	.000040	.000057	.000055	.000145	.000218	.000191	.000196	.000287	.000266
2	.000034	.000051	.000045	.000035	.000052	.000046	.000125	.000190	.000162	.000169	.000248	.000230
3	.000031	.000047	.000041	.000032	.000047	.000042	.000113	.000176	.000142	.000152	.000230	.000200
4	.000028	.000042	.000038	.000029	.000043	.000039	.000103	.000158	.000132	.000141	.000212	.000187
5	.000027	.000040	.000037	.000028	.000040	.000038	.000100	.000152	.000128	.000135	.000203	.000177
6	.000026	.000038	.000036	.000027	.000039	.000037	.000096	.000150	.000121	.000130	.000202	.000163
7	.000025	.000037	.000034	.000026	.000038	.000036	.000093	.000147	.000114	.000125	.000200	.000150
8	.000024	.000036	.000033	.000025	.000036	.000035	.000089	.000140	.000108	.000118	.000189	.000138
9	.000023	.000033	.000032	.000024	.000034	.000034	.000082	.000126	.000103	.000106	.000168	.000129
10	.000022	.000032	.000032	.000024	.000033	.000034	.000075	.000111	.000099	.000096	.000146	.000121
11	.000023	.000034	.000032	.000025	.000035	.000034	.000076	.000114	.000100	.000099	.000150	.000124
12	.000027	.000042	.000034	.000028	.000043	.000036	.000094	.000153	.000109	.000124	.000203	.000139
13	.000033	.000054	.000037	.000034	.000055	.000039	.000123	.000213	.000122	.000164	.000285	.000158
14	.000039	.000065	.000040	.000039	.000066	.000042	.000150	.000266	.000136	.000203	.000363	.000178
15	.000043	.000074	.000043	.000044	.000075	.000045	.000170	.000306	.000148	.000237	.000427	.000197
16	.000047	.000081	.000045	.000047	.000081	.000047	.000184	.000333	.000157	.000261	.000473	.000213
17	.000048	.000085	.000047	.000049	.000085	.000048	.000192	.000348	.000163	.000275	.000501	.000225
18	.000049	.000085	.000047	.000049	.000086	.000049	.000195	.000353	.000167	.000280	.000511	.000232
19	.000048	.000085	.000047	.000049	.000085	.000048	.000194	.000352	.000170	.000280	.000511	.000236
20	.000048	.000084	.000047	.000048	.000084	.000048	.000194	.000351	.000173	.000279	.000509	.000240
21	.000047	.000083	.000047	.000048	.000084	.000048	.000193	.000350	.000176	.000279	.000509	.000244
22	.000047	.000082	.000047	.000048	.000083	.000048	.000193	.000348	.000179	.000279	.000507	.000250
23	.000047	.000083	.000047	.000048	.000083	.000048	.000194	.000347	.000181	.000280	.000506	.000256
24	.000048	.000083	.000048	.000049	.000084	.000049	.000195	.000347	.000183	.000282	.000504	.000265
25	.000048	.000084	.000049	.000049	.000085	.000050	.000196	.000347	.000185	.000284	.000504	.000273
26	.000049	.000084	.000049	.000050	.000086	.000051	.000198	.000348	.000190	.000287	.000505	.000283
27	.000050	.000086	.000051	.000051	.000087	.000052	.000202	.000351	.000199	.000292	.000508	.000297
28	.000051	.000088	.000053	.000052	.000090	.000054	.000207	.000355	.000214	.000300	.000515	.000315
29	.000053	.000091	.000055	.000054	.000093	.000056	.000215	.000361	.000233	.000310	.000526	.000336
30	.000055	.000094	.000058	.000056	.000097	.000058	.000222	.000366	.000252	.000321	.000536	.000359
31	.000057	.000097	.000060	.000058	.000100	.000061	.000231	.000374	.000271	.000333	.000550	.000382
32	.000059	.000101	.000063	.000061	.000105	.000063	.000243	.000392	.000290	.000351	.000576	.000408
33	.000062	.000106	.000066	.000063	.000109	.000066	.000261	.000423	.000307	.000376	.000619	.000435
34	.000065	.000112	.000069	.000066	.000114	.000069	.000282	.000465	.000325	.000407	.000675	.000465
35	.000069	.000118	.000072	.000070	.000120	.000072	.000307	.000513	.000345	.000443	.000740	.000498
36	.000073	.000125	.000076	.000073	.000126	.000076	.000333	.000562	.000366	.000479	.000807	.000533
37	.000076	.000131	.000080	.000077	.000132	.000080	.000356	.000606	.000387	.000512	.000867	.000566
38	.000079	.000135	.000083	.000079	.000136	.000083	.000374	.000638	.000406	.000538	.000913	.000594
39	.000081	.000138	.000086	.000081	.000139	.000086	.000389	.000661	.000424	.000559	.000947	.000618
40	.000083	.000141	.000089	.000083	.000142	.000090	.000402	.000683	.000443	.000579	.000980	.000643
41	.000085	.000145	.000093	.000086	.000146	.000093	.000419	.000710	.000463	.000602	.001019	.000670
42	.000089	.000150	.000098	.000089	.000151	.000099	.000438	.000740	.000489	.000627	.001061	.000699
43	.000094	.000158	.000105	.000095	.000160	.000106	.000460	.000775	.000520	.000655	.001111	.000732
44	.000101	.000169	.000115	.000102	.000171	.000116	.000488	.000816	.000558	.000687	.001170	.000769
45	.000110	.000182	.000126	.000112	.000185	.000128	.000519	.000863	.000602	.000722	.001235	.000810
46	.000119	.000196	.000139	.000121	.000200	.000141	.000552	.000914	.000651	.000759	.001305	.000855
47	.000129	.000210	.000152	.000132	.000215	.000155	.000589	.000969	.000702	.000801	.001382	.000902
48	.000138	.000224	.000164	.000141	.000229	.000167	.000627	.001026	.000753	.000846	.001466	.000952
49	.000147	.000238	.000176	.000150	.000243	.000180	.000666	.001086	.000803	.000896	.001555	.001005
50	.000157	.000253	.000190	.000160	.000259	.000194	.000707	.001147	.000857	.000950	.001649	.001064
51	.000169	.000271	.000205	.000172	.000278	.000209	.000753	.001214	.000917	.001010	.001752	.001131
52	.000181	.000291	.000220	.000185	.000298	.000225	.000804	.001296	.000979	.001078	.001869	.001211
53	.000193	.000312	.000234	.000197	.000319	.000239	.000862	.001399	.001043	.001156	.002001	.001304
54	.000204	.000331	.000246	.000209	.000339	.000252	.000926	.001521	.001107	.001240	.002144	.001407
55	.000215	.000350	.000257	.000220	.000358	.000263	.000994	.001655	.001171	.001328	.002298	.001511
56	.000226	.000369	.000269	.000230	.000376	.000275	.001063	.001791	.001237	.001417	.002452	.001618
57	.000236	.000388	.000281	.000241	.000395	.000287	.001130	.001918	.001307	.001502	.002593	.001726
58	.000247	.000407	.000293	.000252	.000415	.000299	.001192	.002027	.001384	.001579	.002711	.001834
59	.000258	.000427	.000304	.000264	.000436	.000311	.001249	.002120	.001462	.001649	.002811	.001938

Table 13. Standard errors of the probability of dying: Massachusetts, 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	.000268	.000445	.000316	.000274	.000455	.000322	.001304	.002207	.001540	.001713	.002897	.002040
61	.000278	.000463	.000326	.000284	.000473	.000333	.001360	.002300	.001615	.001778	.002990	.002136
62	.000289	.000483	.000338	.000295	.000493	.000345	.001422	.002410	.001689	.001849	.003112	.002222
63	.000301	.000505	.000352	.000307	.000516	.000359	.001495	.002545	.001768	.001933	.003281	.002301
64	.000314	.000531	.000367	.000321	.000542	.000374	.001579	.002703	.001854	.002030	.003490	.002379
65	.000328	.000559	.000381	.000334	.000570	.000389	.001667	.002866	.001942	.002131	.003715	.002452
66	.000342	.000587	.000397	.000349	.000599	.000405	.001759	.003031	.002039	.002235	.003940	.002536
67	.000359	.000620	.000415	.000366	.000632	.000423	.001867	.003222	.002161	.002360	.004186	.002660
68	.000379	.000659	.000439	.000386	.000671	.000447	.002000	.003459	.002320	.002514	.004468	.002843
69	.000404	.000704	.000467	.000411	.000717	.000475	.002163	.003754	.002516	.002701	.004798	.003083
70	.000431	.000755	.000499	.000439	.000768	.000508	.002359	.004117	.002751	.002925	.005194	.003370
71	.000461	.000812	.000533	.000469	.000825	.000542	.002581	.004540	.003010	.003175	.005656	.003678
72	.000492	.000874	.000568	.000500	.000887	.000577	.002811	.005002	.003263	.003434	.006157	.003985
73	.000524	.000939	.000602	.000532	.000954	.000611	.003022	.005455	.003478	.003677	.006660	.004255
74	.000556	.001010	.000634	.000564	.001025	.000644	.003209	.005881	.003657	.003902	.007156	.004492
75	.000590	.001088	.000668	.000599	.001105	.000679	.003397	.006326	.003827	.004135	.007694	.004731
76	.000628	.001177	.000707	.000638	.001195	.000718	.003610	.006831	.004027	.004402	.008317	.005007
77	.000672	.001277	.000753	.000682	.001296	.000765	.003848	.007370	.004269	.004699	.008989	.005323
78	.000723	.001391	.000810	.000734	.001412	.000822	.004133	.007963	.004588	.005044	.009715	.005708
79	.000782	.001522	.000877	.000794	.001546	.000890	.004478	.008632	.004999	.005446	.010505	.006177
80	.000850	.001678	.000952	.000863	.001705	.000966	.004879	.009384	.005487	.005904	.011366	.006722
81	.000926	.001860	.001034	.000940	.001891	.001048	.005330	.010222	.006040	.006419	.012322	.007338
82	.001011	.002064	.001125	.001026	.002098	.001141	.005850	.011168	.006691	.007006	.013422	.008047
83	.001104	.002284	.001228	.001120	.002322	.001245	.006438	.012237	.007433	.007668	.014730	.008835
84	.001208	.002523	.001346	.001226	.002565	.001363	.007098	.013458	.008259	.008409	.016307	.009693
85	.001332	.002805	.001484	.001350	.002851	.001503	.007947	.015090	.009277	.009318	.018383	.010695
86	.001478	.003150	.001646	.001498	.003201	.001666	.008931	.017071	.010417	.010348	.020830	.011809
87	.001648	.003555	.001831	.001670	.003612	.001854	.010113	.019642	.011721	.011585	.023855	.013119
88	.001844	.004030	.002046	.001868	.004093	.002071	.011598	.023031	.013309	.013162	.027638	.014799
89	.002073	.004590	.002296	.002099	.004658	.002324	.013475	.027333	.015315	.015206	.032319	.017017
90	.002354	.005274	.002604	.002382	.005348	.002635	.015914	.032793	.017959	.017944	.038350	.020037
91	.002700	.006132	.002982	.002731	.006215	.003016	.018975	.039492	.021330	.021476	.046001	.023973
92	.003109	.007181	.003424	.003144	.007277	.003462	.022502	.047101	.025268	.025627	.054759	.028667
93	.003577	.008428	.003924	.003619	.008547	.003970	.025930	.054681	.029111	.029572	.063136	.033157
94	.004113	.009884	.004496	.004166	.010035	.004552	.028865	.061480	.032386	.032679	.069913	.036690
95	.004948	.011840	.005346	.005025	.012053	.005432	.032724	.073367	.035663	.035268	.079484	.038580
96	.005879	.014133	.006348	.005978	.014450	.006454	.038135	.083766	.042056	.041250	.090517	.045795
97	.007061	.017097	.007615	.007190	.017551	.007748	.045026	.098652	.049983	.048311	.106680	.053819
98	.008615	.021186	.009280	.008804	.021766	.009477	.053102	.121255	.058445	.056673	.130600	.062609
99	.010461	.026264	.011202	.010727	.027196	.011467	.062108	.139932	.068628	.066210	.150505	.073434
100	.012968	.032902	.013848	.013375	.034332	.014254	.072620	.165072	.079943	.078195	.181804	.086021
101	.016387	.041792	.017477	.017008	.043905	.018102	.086932	.200134	.095243	.092282	.217771	.100998
102	.021141	.054462	.022495	.022102	.057963	.023441	.106163	.241643	.116687	.112919	.260515	.124396
103	.027938	.071933	.029735	.029500	.077875	.031249	.131443	.293959	.145238	.139296	.319030	.153725
104	.036455	.097635	.038474	.039339	.109913	.041210	.153033	.346450	.168344	.162692	.371023	.179701
105	.047320	.127586	.049891	.052135	.148066	.054482	.182598	.417756	.200150	.192336	.456713	.209877
106	.065055	.168016	.069243	.074693	.221305	.077553	.221263	.444415	.253970	.228288	.458167	.263714
107	.083910	.219275	.089114	.096863	.262631	.102206	.282458	.674099	.305888	.296895	.695969	.324982
108	.119272	.293119	.128480	.146708	.411442	.153923	.353516	.730406	.400526	.370076	.769473	.420682
109	.163956	.379646	.179382	.207253	.606658	.216041	.467876	.863626	.556459	.491289	.945011	.575949

Table 14. Standard errors of the average remaining lifetime: Massachusetts, 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	.035	.050	.047	.036	.052	.048	.171	.237	.235	.198	.276	.271
1	.033	.048	.044	.034	.049	.045	.168	.233	.230	.194	.270	.263
2	.033	.048	.044	.034	.049	.045	.168	.233	.230	.193	.270	.263
3	.033	.047	.044	.034	.048	.045	.167	.233	.229	.193	.269	.262
4	.033	.047	.044	.034	.048	.044	.167	.233	.229	.193	.269	.262
5	.033	.047	.043	.034	.048	.044	.167	.232	.229	.193	.269	.262
6	.033	.047	.043	.034	.048	.044	.167	.232	.229	.193	.269	.262
7	.033	.047	.043	.034	.048	.044	.167	.232	.229	.193	.268	.261
8	.033	.047	.043	.034	.048	.044	.167	.232	.229	.192	.268	.261
9	.033	.047	.043	.034	.048	.044	.167	.232	.228	.192	.268	.261
10	.033	.047	.043	.034	.048	.044	.167	.232	.228	.192	.268	.261
11	.033	.047	.043	.033	.048	.044	.167	.232	.228	.192	.268	.261
12	.033	.047	.043	.033	.048	.044	.167	.232	.228	.192	.268	.261
13	.033	.047	.043	.033	.048	.044	.167	.232	.228	.192	.268	.261
14	.033	.047	.043	.033	.048	.044	.166	.231	.228	.192	.267	.261
15	.033	.047	.043	.033	.048	.044	.166	.231	.228	.192	.267	.260
16	.033	.046	.043	.033	.047	.044	.166	.231	.228	.191	.266	.260
17	.032	.046	.043	.033	.047	.043	.166	.230	.228	.191	.266	.260
18	.032	.046	.043	.033	.047	.043	.166	.230	.227	.190	.265	.260
19	.032	.046	.042	.033	.047	.043	.165	.229	.227	.190	.264	.260
20	.032	.046	.042	.033	.047	.043	.165	.229	.227	.190	.263	.259
21	.032	.045	.042	.033	.046	.043	.165	.229	.227	.189	.263	.259
22	.032	.045	.042	.033	.046	.043	.165	.228	.227	.189	.262	.259
23	.032	.045	.042	.032	.046	.043	.165	.228	.227	.189	.262	.259
24	.032	.045	.042	.032	.046	.043	.165	.228	.227	.189	.261	.258
25	.032	.045	.042	.032	.046	.043	.164	.228	.227	.188	.261	.258
26	.032	.045	.042	.032	.046	.043	.164	.228	.227	.188	.261	.258
27	.031	.045	.042	.032	.046	.043	.164	.227	.226	.188	.261	.258
28	.031	.044	.042	.032	.045	.043	.164	.227	.226	.188	.260	.258
29	.031	.044	.042	.032	.045	.042	.164	.227	.226	.188	.260	.257
30	.031	.044	.042	.032	.045	.042	.164	.227	.226	.188	.260	.257
31	.031	.044	.042	.032	.045	.042	.164	.227	.226	.187	.260	.257
32	.031	.044	.042	.032	.045	.042	.164	.227	.226	.187	.259	.257
33	.031	.044	.041	.032	.045	.042	.164	.227	.226	.187	.259	.256
34	.031	.044	.041	.032	.045	.042	.164	.227	.226	.187	.259	.256
35	.031	.044	.041	.031	.044	.042	.164	.227	.225	.187	.259	.256
36	.031	.043	.041	.031	.044	.042	.163	.226	.225	.186	.259	.255
37	.031	.043	.041	.031	.044	.042	.163	.226	.225	.186	.258	.255
38	.031	.043	.041	.031	.044	.042	.163	.226	.225	.186	.258	.255
39	.030	.043	.041	.031	.044	.042	.163	.226	.225	.186	.258	.254
40	.030	.043	.041	.031	.043	.041	.163	.226	.224	.185	.257	.254
41	.030	.042	.041	.031	.043	.041	.163	.226	.224	.185	.257	.253
42	.030	.042	.040	.031	.043	.041	.163	.225	.224	.185	.256	.253
43	.030	.042	.040	.031	.043	.041	.162	.225	.224	.184	.256	.252
44	.030	.042	.040	.030	.043	.041	.162	.225	.223	.184	.256	.252
45	.030	.042	.040	.030	.042	.041	.162	.225	.223	.183	.255	.251
46	.030	.041	.040	.030	.042	.041	.162	.224	.222	.183	.255	.250
47	.029	.041	.040	.030	.042	.040	.161	.224	.222	.183	.254	.250
48	.029	.041	.039	.030	.042	.040	.161	.223	.221	.182	.253	.249
49	.029	.041	.039	.030	.041	.040	.161	.223	.221	.181	.252	.248
50	.029	.040	.039	.029	.041	.039	.160	.223	.220	.181	.252	.247
51	.029	.040	.038	.029	.041	.039	.160	.222	.220	.180	.251	.246
52	.028	.040	.038	.029	.040	.039	.159	.221	.219	.179	.250	.245
53	.028	.039	.038	.028	.040	.038	.159	.221	.218	.179	.249	.244
54	.028	.039	.037	.028	.039	.038	.158	.220	.217	.178	.247	.243
55	.027	.038	.037	.028	.039	.037	.158	.220	.216	.177	.246	.242
56	.027	.038	.036	.027	.038	.037	.157	.219	.215	.176	.245	.240
57	.027	.037	.036	.027	.038	.036	.157	.218	.214	.175	.244	.239
58	.026	.037	.035	.027	.037	.036	.156	.218	.213	.174	.242	.238
59	.026	.036	.035	.026	.037	.035	.155	.217	.212	.173	.241	.236

Table 14. Standard errors of the average remaining lifetime: Massachusetts, 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	.026	.036	.034	.026	.036	.035	.155	.216	.211	.172	.240	.235
61	.025	.035	.034	.026	.036	.034	.154	.216	.210	.171	.240	.233
62	.025	.035	.033	.025	.036	.034	.154	.216	.209	.171	.239	.232
63	.025	.035	.033	.025	.035	.033	.153	.216	.209	.170	.239	.231
64	.024	.034	.032	.025	.035	.033	.153	.216	.208	.170	.239	.229
65	.024	.034	.032	.024	.034	.032	.153	.216	.207	.169	.239	.228
66	.024	.034	.032	.024	.034	.032	.153	.216	.207	.169	.240	.227
67	.024	.033	.031	.024	.034	.032	.153	.217	.206	.169	.240	.227
68	.023	.033	.031	.024	.034	.031	.153	.218	.206	.169	.242	.226
69	.023	.033	.030	.023	.033	.031	.153	.219	.205	.169	.243	.225
70	.023	.033	.030	.023	.033	.030	.153	.221	.205	.169	.245	.225
71	.023	.033	.030	.023	.033	.030	.153	.222	.204	.169	.246	.224
72	.022	.032	.029	.023	.033	.030	.153	.223	.203	.170	.248	.223
73	.022	.032	.029	.022	.033	.029	.153	.224	.203	.170	.250	.223
74	.022	.032	.028	.022	.033	.029	.153	.226	.202	.170	.251	.222
75	.022	.032	.028	.022	.033	.028	.154	.228	.202	.170	.253	.221
76	.022	.032	.028	.022	.033	.028	.154	.230	.201	.170	.256	.221
77	.021	.032	.027	.022	.033	.028	.155	.232	.201	.171	.258	.221
78	.021	.033	.027	.022	.033	.027	.156	.236	.201	.172	.261	.221
79	.021	.033	.027	.021	.033	.027	.156	.239	.202	.173	.264	.222
80	.021	.033	.027	.021	.033	.027	.158	.242	.202	.174	.267	.222
81	.021	.034	.027	.021	.034	.027	.159	.246	.203	.175	.271	.223
82	.021	.034	.026	.021	.034	.027	.160	.250	.204	.177	.276	.224
83	.021	.035	.026	.022	.035	.027	.162	.255	.205	.179	.281	.226
84	.022	.036	.026	.022	.036	.027	.164	.260	.207	.181	.288	.228
85	.022	.037	.027	.022	.037	.027	.166	.265	.210	.184	.295	.231
86	.022	.038	.027	.022	.038	.027	.170	.272	.214	.189	.304	.235
87	.023	.039	.027	.023	.039	.027	.175	.280	.219	.194	.315	.241
88	.023	.041	.028	.023	.041	.028	.181	.291	.226	.202	.329	.249
89	.024	.043	.028	.024	.043	.028	.188	.305	.234	.211	.348	.259
90	.025	.046	.029	.025	.046	.029	.198	.323	.245	.222	.371	.272
91	.026	.049	.030	.026	.049	.030	.209	.348	.257	.235	.399	.285
92	.027	.052	.032	.027	.052	.032	.222	.378	.270	.250	.432	.300
93	.029	.057	.034	.029	.057	.033	.236	.413	.283	.263	.468	.313
94	.031	.063	.036	.031	.063	.036	.251	.451	.297	.277	.504	.326
95	.034	.070	.039	.035	.070	.039	.268	.497	.314	.293	.547	.341
96	.038	.079	.043	.038	.079	.043	.289	.541	.337	.316	.595	.366
97	.042	.090	.048	.043	.091	.048	.314	.597	.363	.341	.657	.393
98	.048	.104	.054	.049	.106	.054	.341	.662	.392	.370	.728	.423
99	.055	.121	.061	.056	.125	.062	.371	.725	.426	.402	.800	.459
100	.063	.143	.070	.065	.149	.072	.406	.805	.465	.441	.891	.500
101	.074	.170	.082	.077	.180	.084	.450	.901	.514	.486	.991	.550
102	.088	.206	.097	.093	.223	.101	.501	1.007	.573	.541	1.103	.613
103	.106	.252	.115	.113	.280	.122	.558	1.124	.637	.600	1.229	.680
104	.127	.310	.137	.138	.357	.148	.611	1.241	.698	.656	1.348	.744
105	.153	.375	.166	.171	.452	.182	.682	1.379	.781	.726	1.495	.826
106	.188	.454	.204	.216	.583	.229	.771	1.516	.894	.817	1.599	.943
107	.226	.546	.246	.265	.700	.283	.886	1.847	1.010	.945	1.957	1.073
108	.278	.651	.304	.342	.940	.362	.997	1.888	1.169	1.060	2.039	1.229
109	.313	.714	.345	.397	1.140	.417	1.085	1.950	1.298	1.152	2.147	1.351

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