U.S. Decennial Life Tables for 1989-91

Volume II, State Life Tables Number 23, Michigan

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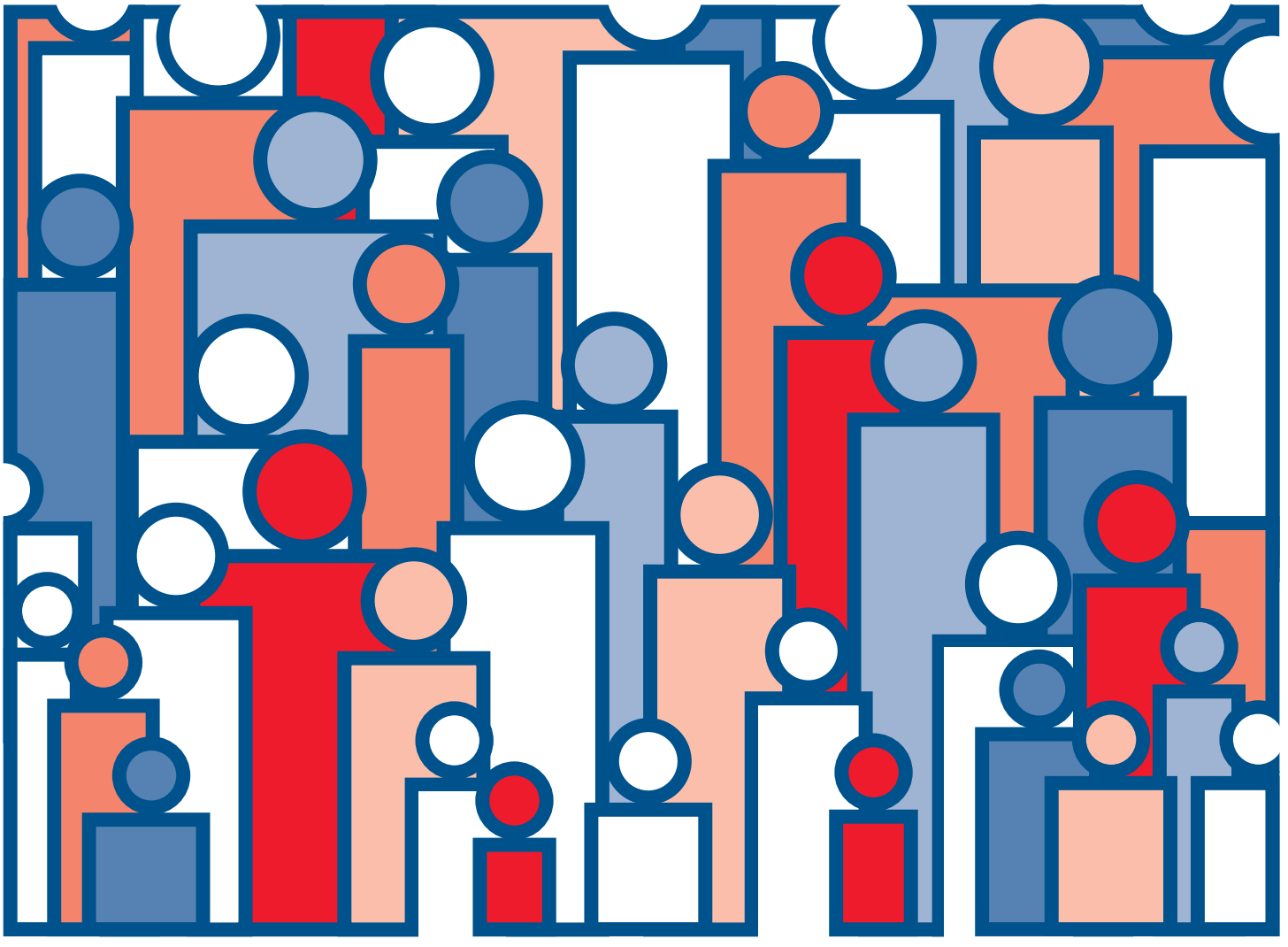

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
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Suggested citation

National Center for Health Statistics. U.S. decennial life tables for 1989–91, vol II, State life tables no. 23, Michigan. Hyattsville, Maryland. 1998.

Library of Congress Cataloging Card Number 85-600190

For sale by the U.S. Government Printing Office
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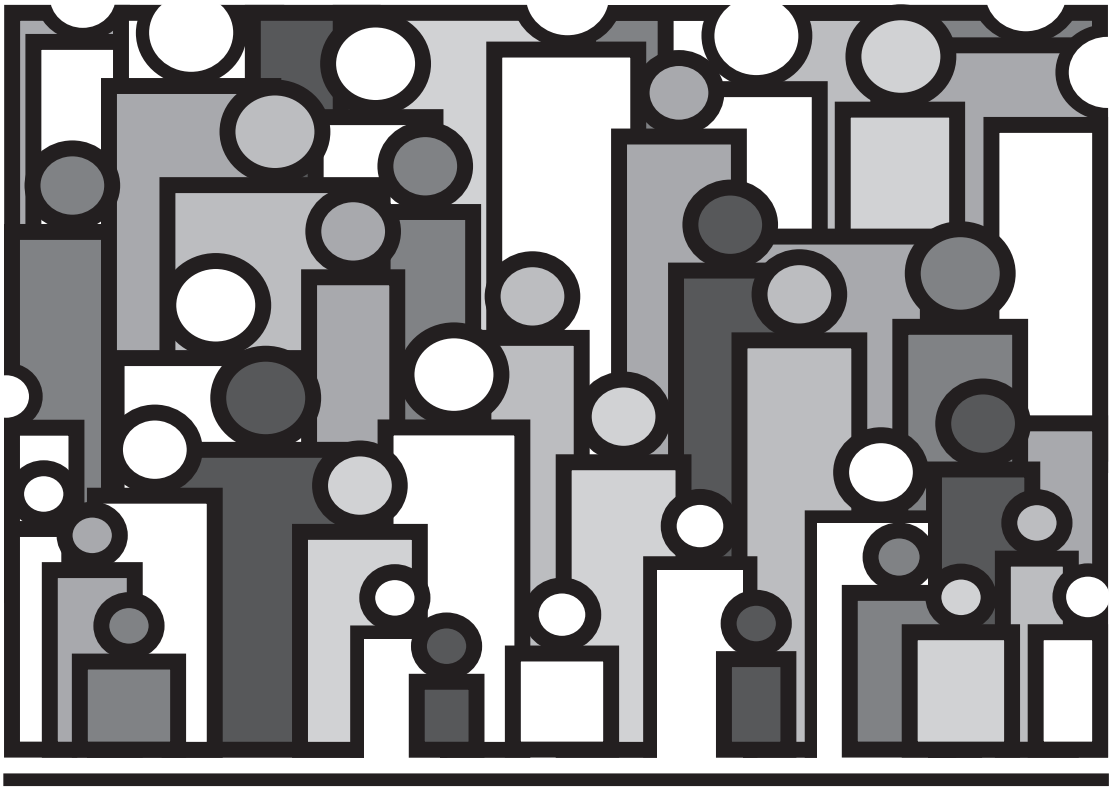
Volume II, State Life Tables Number 23, Michigan



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

Hyattsville, Maryland
April 1998

DHHS Publication No. PHS-98-1151-23

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Acknowledgments

This report was prepared in the Division of Vital Statistics (DVS) under the guidance of an ad hoc committee chaired by Robert J. Armstrong and included Stephen C. Goss and Alice H. Wade of the Office of the Actuary, Social Security Administration; Gregory K. Spencer and Frederick W. Hollmann of the U.S. Bureau of the Census; and David P. Johnson, Lester R. Curtin, Nonie Atkinson, Kenneth D. Kochanek, Harry M. Rosenberg, Jeffrey D. Maurer, and Joseph D. Farrell from the National Center for Health Statistics.

Nonie Atkinson, formerly of the Office of Research and Methodology (ORM), was responsible for the overall computer systems analysis and design and played a major role in writing the programs to produce the life tables and their variances. Lester R. Curtin, also of ORM, consulted on methodological issues including the preparation of standard errors for the life tables.

Joseph D. Farrell, Charles E. Royer, and David P. Johnson of the Systems, Programming, and Statistical Resources Branch of DVS coordinated data processing and developed computer processes that eased the workload of the actuarial statistician and the Publications Branch. They also provided major programming support in summarizing data basic to the calculation of the life tables.

Gregory K. Spencer and Frederick W. Hollmann of the U.S. Bureau of the Census furnished the modified-race populations that were used in the production of these tables.

Stephen C. Goss, Felicite C. Bell, and Bertram M. Kestenbaum of the Office of the Actuary, Social Security Administration, provided mortality data from the Medicare Program that were used at age 85 years and over. Vanetta A. Harrington of the Systems, Programming, and Statistical Resources Branch, DVS, provided content review, and Robert N. Anderson of the Mortality Statistics Branch, DVS, provided peer review. This report was edited by Patricia Keaton-Williams and typeset by Jacqueline M. Davis of the Publications Branch, Division of Data Services.

Michigan Life Tables: 1989–91

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Division of Vital Statistics

Abstract

The life tables in this report are current life tables for Michigan 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 Michigan 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 Michigan 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 Michigan 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: Michigan • 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 Michigan that occurred anywhere in the United States during the 3 years of 1989, 1990, and 1991 and on the 1990 census of population for Michigan. 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 Michigan 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 Michigan, the expectation of life at birth is 71.71 years for total males and 78.24 for total females. Among the 50 States and the District of Columbia in the expectation of life at birth for the total population, Michigan ranks 34th.

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 Michigan 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 0.00331 with a standard error of 0.000166. Therefore the 68-percent confidence interval is from 0.00314 to 0.00348 and the 95-percent confidence interval is from 0.00298 to 0.00364. The life expectancy of a 50-year-old white female is 31.36 years with a standard error of 0.035 years. The 68-percent confidence interval for the life expectancy is therefore from 31.33 to 31.40 years and the 95-percent confidence interval is from 31.29 to 31.43 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 Michigan. For example, for females who reach age 21, the proportion dying before reaching their 22d birthday is 0.00051—out of every 1,000 female babies surviving to age 21, 0.51 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, 99,046 will complete the first year of life and enter the second, 98,418 will reach age 21, and 67,710 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, 954 will die in the first year of life, 50 in the 22d year, and 2,276 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 98,393. 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 98,393 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 5,749,849 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 7,823,877.

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 98,393 for females in Michigan in the year of age 21–22 is the total number of years of life lived between their 21st and 22d birthdays by the 98,418 (column 3) who reached their 21st birthday out of the original cohort of 100,000 females born alive. The corresponding figure (5,749,849) in column 6 is the total number of years lived after attaining age 21 by the 98,418 reaching that exact age. This number of years divided by the number of persons (5,749,849 divided by 98,418) gives 58.42 years as the average remaining lifetime at age 21 for females in Michigan.

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: Michigan, 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	.01075	100,000	1,075	99,136	7,503,579	75.04
1–2	.00073	98,925	72	98,889	7,404,443	74.85
2–3	.00050	98,853	49	98,828	7,305,554	73.90
3–4	.00036	98,804	36	98,786	7,206,726	72.94
4–5	.00029	98,768	29	98,754	7,107,940	71.97
5–6	.00026	98,739	26	98,726	7,009,186	70.99
6–7	.00024	98,713	23	98,702	6,910,460	70.01
7–8	.00022	98,690	22	98,679	6,811,758	69.02
8–9	.00020	98,668	20	98,658	6,713,079	68.04
9–10	.00018	98,648	17	98,640	6,614,421	67.05
10–11	.00016	98,631	16	98,623	6,515,781	66.06
11–12	.00017	98,615	17	98,607	6,417,158	65.07
12–13	.00023	98,598	22	98,587	6,318,551	64.08
13–14	.00034	98,576	34	98,559	6,219,964	63.10
14–15	.00049	98,542	49	98,517	6,121,405	62.12
15–16	.00066	98,493	65	98,461	6,022,888	61.15
16–17	.00081	98,428	80	98,388	5,924,427	60.19
17–18	.00093	98,348	91	98,303	5,826,039	59.24
18–19	.00099	98,257	97	98,209	5,727,736	58.29
19–20	.00102	98,160	100	98,110	5,629,527	57.35
20–21	.00103	98,060	101	98,010	5,531,417	56.41
21–22	.00106	97,959	104	97,907	5,433,407	55.47
22–23	.00108	97,855	106	97,802	5,335,500	54.52
23–24	.00110	97,749	108	97,695	5,237,698	53.58
24–25	.00112	97,641	109	97,586	5,140,003	52.64
25–26	.00113	97,532	110	97,477	5,042,417	51.70
26–27	.00115	97,422	112	97,366	4,944,940	50.76
27–28	.00117	97,310	114	97,253	4,847,574	49.82
28–29	.00120	97,196	116	97,138	4,750,321	48.87
29–30	.00123	97,080	119	97,021	4,653,183	47.93
30–31	.00127	96,961	123	96,899	4,556,162	46.99
31–32	.00131	96,838	126	96,775	4,459,263	46.05
32–33	.00136	96,712	132	96,646	4,362,488	45.11
33–34	.00144	96,580	139	96,510	4,265,842	44.17
34–35	.00154	96,441	148	96,367	4,169,332	43.23
35–36	.00165	96,293	159	96,213	4,072,965	42.30
36–37	.00177	96,134	171	96,049	3,976,752	41.37
37–38	.00189	95,963	181	95,873	3,880,703	40.44
38–39	.00199	95,782	190	95,687	3,784,830	39.51
39–40	.00209	95,592	200	95,491	3,689,143	38.59
40–41	.00219	95,392	209	95,288	3,593,652	37.67
41–42	.00231	95,183	220	95,073	3,498,364	36.75
42–43	.00246	94,963	233	94,847	3,403,291	35.84
43–44	.00265	94,730	251	94,604	3,308,444	34.93
44–45	.00287	94,479	271	94,343	3,213,840	34.02
45–46	.00314	94,208	297	94,060	3,119,497	33.11
46–47	.00345	93,911	324	93,749	3,025,437	32.22
47–48	.00379	93,587	354	93,410	2,931,688	31.33
48–49	.00413	93,233	385	93,040	2,838,278	30.44
49–50	.00448	92,848	416	92,640	2,745,238	29.57
50–51	.00489	92,432	453	92,205	2,652,598	28.70
51–52	.00538	91,979	495	91,732	2,560,393	27.84
52–53	.00593	91,484	542	91,213	2,468,661	26.98
53–54	.00653	90,942	594	90,644	2,377,448	26.14
54–55	.00718	90,348	649	90,024	2,286,804	25.31

Table 1. Life table for the total population: Michigan, 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	.00788	89,699	707	89,345	2,196,780	24.49
56–57	.00865	88,992	770	88,608	2,107,435	23.68
57–58	.00952	88,222	839	87,802	2,018,827	22.88
58–59	.01049	87,383	917	86,925	1,931,025	22.10
59–60	.01153	86,466	997	85,967	1,844,100	21.33
60–61	.01255	85,469	1,073	84,933	1,758,133	20.57
61–62	.01359	84,396	1,147	83,823	1,673,200	19.83
62–63	.01472	83,249	1,225	82,637	1,589,377	19.09
63–64	.01602	82,024	1,314	81,366	1,506,740	18.37
64–65	.01748	80,710	1,412	80,004	1,425,374	17.66
65–66	.01905	79,298	1,510	78,543	1,345,370	16.97
66–67	.02067	77,788	1,608	76,984	1,266,827	16.29
67–68	.02240	76,180	1,706	75,327	1,189,843	15.62
68–69	.02429	74,474	1,809	73,570	1,114,516	14.97
69–70	.02637	72,665	1,916	71,707	1,040,946	14.33
70–71	.02869	70,749	2,030	69,734	969,239	13.70
71–72	.03127	68,719	2,149	67,644	899,505	13.09
72–73	.03407	66,570	2,268	65,437	831,861	12.50
73–74	.03703	64,302	2,381	63,111	766,424	11.92
74–75	.04012	61,921	2,485	60,678	703,313	11.36
75–76	.04340	59,436	2,579	58,147	642,635	10.81
76–77	.04695	56,857	2,669	55,522	584,488	10.28
77–78	.05080	54,188	2,753	52,811	528,966	9.76
78–79	.05507	51,435	2,833	50,019	476,155	9.26
79–80	.05987	48,602	2,910	47,148	426,136	8.77
80–81	.06531	45,692	2,984	44,200	378,988	8.29
81–82	.07135	42,708	3,047	41,184	334,788	7.84
82–83	.07785	39,661	3,088	38,118	293,604	7.40
83–84	.08461	36,573	3,094	35,026	255,486	6.99
84–85	.09159	33,479	3,066	31,945	220,460	6.59
85–86	.09911	30,413	3,014	28,906	188,515	6.20
86–87	.10764	27,399	2,950	25,924	159,609	5.83
87–88	.11693	24,449	2,858	23,020	133,685	5.47
88–89	.12715	21,591	2,746	20,218	110,665	5.13
89–90	.13856	18,845	2,611	17,540	90,447	4.80
90–91	.15173	16,234	2,463	15,002	72,907	4.49
91–92	.16647	13,771	2,293	12,625	57,905	4.20
92–93	.18164	11,478	2,084	10,436	45,280	3.94
93–94	.19620	9,394	1,844	8,472	34,844	3.71
94–95	.21034	7,550	1,588	6,757	26,372	3.49
95–96	.22502	5,962	1,341	5,291	19,615	3.29
96–97	.24126	4,621	1,115	4,063	14,324	3.10
97–98	.25689	3,506	901	3,056	10,261	2.93
98–99	.27175	2,605	708	2,251	7,205	2.77
99–100	.28751	1,897	545	1,625	4,954	2.61
100–101	.30418	1,352	411	1,146	3,329	2.46
101–102	.32182	941	303	789	2,183	2.32
102–103	.34049	638	217	529	1,394	2.19
103–104	.36024	421	152	345	865	2.05
104–105	.38113	269	102	218	520	1.93
105–106	.40324	167	68	133	302	1.81
106–107	.42663	99	42	78	169	1.70
107–108	.45137	57	26	45	91	1.59
108–109	.47755	31	15	23	46	1.49
109–110	.50525	16	8	13	23	1.39

Table 2. Life table for males: Michigan, 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	.01191	100,000	1,191	99,045	7,170,734	71.71
1–2	.00074	98,809	73	98,772	7,071,689	71.57
2–3	.00054	98,736	54	98,709	6,972,917	70.62
3–4	.00039	98,682	38	98,663	6,874,208	69.66
4–5	.00031	98,644	31	98,628	6,775,545	68.69
5–6	.00026	98,613	26	98,600	6,676,917	67.71
6–7	.00025	98,587	24	98,575	6,578,317	66.73
7–8	.00023	98,563	23	98,551	6,479,742	65.74
8–9	.00021	98,540	21	98,530	6,381,191	64.76
9–10	.00019	98,519	18	98,510	6,282,661	63.77
10–11	.00017	98,501	17	98,492	6,184,151	62.78
11–12	.00019	98,484	18	98,475	6,085,659	61.79
12–13	.00028	98,466	28	98,453	5,987,184	60.80
13–14	.00047	98,438	46	98,415	5,888,731	59.82
14–15	.00071	98,392	70	98,357	5,790,316	58.85
15–16	.00098	98,322	96	98,275	5,691,959	57.89
16–17	.00122	98,226	119	98,166	5,593,684	56.95
17–18	.00140	98,107	137	98,038	5,495,518	56.02
18–19	.00150	97,970	147	97,896	5,397,480	55.09
19–20	.00155	97,823	152	97,747	5,299,584	54.18
20–21	.00158	97,671	154	97,594	5,201,837	53.26
21–22	.00162	97,517	158	97,438	5,104,243	52.34
22–23	.00165	97,359	161	97,279	5,006,805	51.43
23–24	.00166	97,198	162	97,117	4,909,526	50.51
24–25	.00167	97,036	162	96,955	4,812,409	49.59
25–26	.00167	96,874	161	96,794	4,715,454	48.68
26–27	.00166	96,713	161	96,633	4,618,660	47.76
27–28	.00168	96,552	162	96,471	4,522,027	46.84
28–29	.00171	96,390	165	96,308	4,425,556	45.91
29–30	.00176	96,225	169	96,140	4,329,248	44.99
30–31	.00182	96,056	175	95,969	4,233,108	44.07
31–32	.00187	95,881	180	95,791	4,137,139	43.15
32–33	.00194	95,701	186	95,608	4,041,348	42.23
33–34	.00204	95,515	194	95,418	3,945,740	41.31
34–35	.00215	95,321	205	95,219	3,850,322	40.39
35–36	.00227	95,116	216	95,008	3,755,103	39.48
36–37	.00241	94,900	229	94,785	3,660,095	38.57
37–38	.00254	94,671	240	94,552	3,565,310	37.66
38–39	.00266	94,431	251	94,305	3,470,758	36.75
39–40	.00277	94,180	261	94,050	3,376,453	35.85
40–41	.00289	93,919	271	93,783	3,282,403	34.95
41–42	.00303	93,648	284	93,506	3,188,620	34.05
42–43	.00321	93,364	299	93,215	3,095,114	33.15
43–44	.00343	93,065	319	92,905	3,001,899	32.26
44–45	.00371	92,746	344	92,574	2,908,994	31.37
45–46	.00405	92,402	374	92,215	2,816,420	30.48
46–47	.00443	92,028	408	91,824	2,724,205	29.60
47–48	.00483	91,620	442	91,399	2,632,381	28.73
48–49	.00523	91,178	477	90,940	2,540,982	27.87
49–50	.00564	90,701	512	90,445	2,450,042	27.01
50–51	.00612	90,189	552	89,913	2,359,597	26.16
51–52	.00670	89,637	600	89,337	2,269,684	25.32
52–53	.00736	89,037	655	88,710	2,180,347	24.49
53–54	.00809	88,382	715	88,024	2,091,637	23.67
54–55	.00890	87,667	781	87,276	2,003,613	22.85

Table 2. Life table for males: Michigan, 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	.00977	86,886	848	86,462	1,916,337	22.06
56–57	.01073	86,038	923	85,576	1,829,875	21.27
57–58	.01186	85,115	1,010	84,610	1,744,299	20.49
58–59	.01317	84,105	1,107	83,552	1,659,689	19.73
59–60	.01458	82,998	1,210	82,393	1,576,137	18.99
60–61	.01597	81,788	1,306	81,135	1,493,744	18.26
61–62	.01736	80,482	1,397	79,783	1,412,609	17.55
62–63	.01884	79,085	1,490	78,340	1,332,826	16.85
63–64	.02052	77,595	1,592	76,799	1,254,486	16.17
64–65	.02241	76,003	1,704	75,150	1,177,687	15.50
65–66	.02446	74,299	1,817	73,391	1,102,537	14.84
66–67	.02659	72,482	1,928	71,518	1,029,146	14.20
67–68	.02892	70,554	2,040	69,534	957,628	13.57
68–69	.03148	68,514	2,157	67,436	888,094	12.96
69–70	.03434	66,357	2,279	65,218	820,658	12.37
70–71	.03756	64,078	2,407	62,874	755,440	11.79
71–72	.04116	61,671	2,538	60,402	692,566	11.23
72–73	.04506	59,133	2,665	57,801	632,164	10.69
73–74	.04911	56,468	2,773	55,082	574,363	10.17
74–75	.05327	53,695	2,860	52,265	519,281	9.67
75–76	.05769	50,835	2,933	49,369	467,016	9.19
76–77	.06251	47,902	2,994	46,405	417,647	8.72
77–78	.06764	44,908	3,038	43,389	371,242	8.27
78–79	.07321	41,870	3,065	40,337	327,853	7.83
79–80	.07940	38,805	3,081	37,264	287,516	7.41
80–81	.08658	35,724	3,093	34,177	250,252	7.01
81–82	.09469	32,631	3,090	31,086	216,075	6.62
82–83	.10316	29,541	3,048	28,017	184,989	6.26
83–84	.11124	26,493	2,947	25,020	156,972	5.92
84–85	.11874	23,546	2,796	22,149	131,952	5.60
85–86	.12638	20,750	2,622	19,439	109,803	5.29
86–87	.13530	18,128	2,453	16,901	90,364	4.98
87–88	.14527	15,675	2,277	14,537	73,463	4.69
88–89	.15676	13,398	2,100	12,348	58,926	4.40
89–90	.16998	11,298	1,921	10,338	46,578	4.12
90–91	.18505	9,377	1,735	8,509	36,240	3.86
91–92	.20164	7,642	1,541	6,872	27,731	3.63
92–93	.21872	6,101	1,334	5,434	20,859	3.42
93–94	.23426	4,767	1,117	4,208	15,425	3.24
94–95	.24751	3,650	903	3,199	11,217	3.07
95–96	.26004	2,747	715	2,389	8,018	2.92
96–97	.27536	2,032	559	1,753	5,629	2.77
97–98	.28943	1,473	427	1,259	3,876	2.63
98–99	.30390	1,046	318	888	2,617	2.50
99–100	.31910	728	232	612	1,729	2.37
100–101	.33505	496	166	413	1,117	2.25
101–102	.35181	330	116	272	704	2.13
102–103	.36940	214	79	174	432	2.02
103–104	.38787	135	52	109	258	1.91
104–105	.40726	83	34	65	149	1.81
105–106	.42762	49	21	39	84	1.71
106–107	.44900	28	13	22	45	1.61
107–108	.47145	15	7	11	23	1.52
108–109	.49503	8	4	6	12	1.43
109–110	.51978	4	2	3	6	1.35

Table 3. Life table for females: Michigan, 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	.00954	100,000	954	99,232	7,823,877	78.24
1–2	.00071	99,046	70	99,011	7,724,645	77.99
2–3	.00044	98,976	44	98,954	7,625,634	77.05
3–4	.00034	98,932	33	98,915	7,526,680	76.08
4–5	.00028	98,899	28	98,885	7,427,765	75.10
5–6	.00026	98,871	25	98,859	7,328,880	74.13
6–7	.00023	98,846	23	98,834	7,230,021	73.14
7–8	.00021	98,823	20	98,813	7,131,187	72.16
8–9	.00019	98,803	19	98,794	7,032,374	71.18
9–10	.00017	98,784	16	98,776	6,933,580	70.19
10–11	.00016	98,768	16	98,760	6,834,804	69.20
11–12	.00015	98,752	15	98,745	6,736,044	68.21
12–13	.00017	98,737	17	98,728	6,637,299	67.22
13–14	.00021	98,720	21	98,710	6,538,571	66.23
14–15	.00027	98,699	26	98,686	6,439,861	65.25
15–16	.00033	98,673	33	98,656	6,341,175	64.26
16–17	.00039	98,640	38	98,621	6,242,519	63.29
17–18	.00043	98,602	43	98,580	6,143,898	62.31
18–19	.00046	98,559	46	98,536	6,045,318	61.34
19–20	.00048	98,513	47	98,490	5,946,782	60.37
20–21	.00049	98,466	48	98,443	5,848,292	59.39
21–22	.00051	98,418	50	98,393	5,749,849	58.42
22–23	.00053	98,368	51	98,342	5,651,456	57.45
23–24	.00055	98,317	55	98,290	5,553,114	56.48
24–25	.00058	98,262	57	98,234	5,454,824	55.51
25–26	.00061	98,205	60	98,175	5,356,590	54.54
26–27	.00064	98,145	63	98,113	5,258,415	53.58
27–28	.00067	98,082	66	98,049	5,160,302	52.61
28–29	.00069	98,016	68	97,982	5,062,253	51.65
29–30	.00071	97,948	70	97,913	4,964,271	50.68
30–31	.00073	97,878	72	97,842	4,866,358	49.72
31–32	.00076	97,806	74	97,770	4,768,516	48.75
32–33	.00080	97,732	78	97,692	4,670,746	47.79
33–34	.00087	97,654	85	97,612	4,573,054	46.83
34–35	.00095	97,569	93	97,522	4,475,442	45.87
35–36	.00105	97,476	103	97,425	4,377,920	44.91
36–37	.00116	97,373	112	97,317	4,280,495	43.96
37–38	.00126	97,261	122	97,200	4,183,178	43.01
38–39	.00135	97,139	131	97,073	4,085,978	42.06
39–40	.00143	97,008	138	96,939	3,988,905	41.12
40–41	.00151	96,870	147	96,796	3,891,966	40.18
41–42	.00162	96,723	157	96,644	3,795,170	39.24
42–43	.00174	96,566	168	96,483	3,698,526	38.30
43–44	.00189	96,398	181	96,307	3,602,043	37.37
44–45	.00206	96,217	199	96,118	3,505,736	36.44
45–46	.00227	96,018	218	95,909	3,409,618	35.51
46–47	.00251	95,800	240	95,680	3,313,709	34.59
47–48	.00278	95,560	266	95,427	3,218,029	33.68
48–49	.00306	95,294	291	95,149	3,122,602	32.77
49–50	.00337	95,003	320	94,843	3,027,453	31.87
50–51	.00372	94,683	352	94,507	2,932,610	30.97
51–52	.00412	94,331	389	94,137	2,838,103	30.09
52–53	.00457	93,942	429	93,727	2,743,966	29.21
53–54	.00505	93,513	472	93,277	2,650,239	28.34
54–55	.00557	93,041	519	92,782	2,556,962	27.48

Table 3. Life table for females: Michigan, 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	.00613	92,522	566	92,239	2,464,180	26.63
56–57	.00673	91,956	619	91,646	2,371,941	25.79
57–58	.00737	91,337	673	91,001	2,280,295	24.97
58–59	.00804	90,664	729	90,300	2,189,294	24.15
59–60	.00874	89,935	786	89,541	2,098,994	23.34
60–61	.00943	89,149	841	88,729	2,009,453	22.54
61–62	.01015	88,308	896	87,860	1,920,724	21.75
62–63	.01098	87,412	960	86,932	1,832,864	20.97
63–64	.01200	86,452	1,037	85,934	1,745,932	20.20
64–65	.01316	85,415	1,124	84,853	1,659,998	19.43
65–66	.01441	84,291	1,214	83,684	1,575,145	18.69
66–67	.01569	83,077	1,303	82,425	1,491,461	17.95
67–68	.01704	81,774	1,393	81,077	1,409,036	17.23
68–69	.01848	80,381	1,486	79,638	1,327,959	16.52
69–70	.02006	78,895	1,583	78,104	1,248,321	15.82
70–71	.02182	77,312	1,687	76,469	1,170,217	15.14
71–72	.02379	75,625	1,799	74,725	1,093,748	14.46
72–73	.02598	73,826	1,918	72,867	1,019,023	13.80
73–74	.02835	71,908	2,039	70,888	946,156	13.16
74–75	.03090	69,869	2,159	68,789	875,268	12.53
75–76	.03361	67,710	2,276	66,572	806,479	11.91
76–77	.03656	65,434	2,392	64,239	739,907	11.31
77–78	.03987	63,042	2,513	61,785	675,668	10.72
78–79	.04368	60,529	2,644	59,207	613,883	10.14
79–80	.04805	57,885	2,781	56,494	554,676	9.58
80–81	.05296	55,104	2,919	53,644	498,182	9.04
81–82	.05839	52,185	3,046	50,662	444,538	8.52
82–83	.06441	49,139	3,166	47,556	393,876	8.02
83–84	.07102	45,973	3,265	44,341	346,320	7.53
84–85	.07823	42,708	3,341	41,038	301,979	7.07
85–86	.08617	39,367	3,392	37,671	260,941	6.63
86–87	.09507	35,975	3,420	34,265	223,270	6.21
87–88	.10465	32,555	3,407	30,852	189,005	5.81
88–89	.11493	29,148	3,350	27,473	158,153	5.43
89–90	.12626	25,798	3,257	24,169	130,680	5.07
90–91	.13946	22,541	3,144	20,969	106,511	4.73
91–92	.15438	19,397	2,994	17,900	85,542	4.41
92–93	.16973	16,403	2,784	15,011	67,642	4.12
93–94	.18461	13,619	2,514	12,362	52,631	3.86
94–95	.19934	11,105	2,214	9,998	40,269	3.63
95–96	.21475	8,891	1,909	7,936	30,271	3.40
96–97	.23143	6,982	1,616	6,174	22,335	3.20
97–98	.24775	5,366	1,329	4,701	16,161	3.01
98–99	.26375	4,037	1,065	3,505	11,460	2.84
99–100	.27957	2,972	831	2,556	7,955	2.68
100–101	.29635	2,141	634	1,824	5,399	2.52
101–102	.31413	1,507	474	1,270	3,575	2.37
102–103	.33298	1,033	344	861	2,305	2.23
103–104	.35296	689	243	568	1,444	2.10
104–105	.37413	446	167	362	876	1.97
105–106	.39658	279	111	224	514	1.84
106–107	.42038	168	70	133	290	1.72
107–108	.44560	98	44	76	157	1.61
108–109	.47233	54	25	41	81	1.50
109–110	.50068	29	15	21	40	1.40

Table 4. Life table for the white population: Michigan, 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	.00782	100,000	782	99,377	7,617,619	76.18
1–2	.00062	99,218	61	99,188	7,518,242	75.77
2–3	.00044	99,157	44	99,135	7,419,054	74.82
3–4	.00032	99,113	31	99,097	7,319,919	73.85
4–5	.00027	99,082	27	99,069	7,220,822	72.88
5–6	.00024	99,055	24	99,043	7,121,753	71.90
6–7	.00022	99,031	22	99,020	7,022,710	70.91
7–8	.00020	99,009	20	98,999	6,923,690	69.93
8–9	.00019	98,989	18	98,981	6,824,691	68.94
9–10	.00017	98,971	17	98,962	6,725,710	67.96
10–11	.00016	98,954	15	98,947	6,626,748	66.97
11–12	.00016	98,939	16	98,931	6,527,801	65.98
12–13	.00020	98,923	20	98,913	6,428,870	64.99
13–14	.00029	98,903	29	98,888	6,329,957	64.00
14–15	.00040	98,874	39	98,855	6,231,069	63.02
15–16	.00053	98,835	53	98,808	6,132,214	62.05
16–17	.00064	98,782	63	98,751	6,033,406	61.08
17–18	.00073	98,719	72	98,683	5,934,655	60.12
18–19	.00078	98,647	77	98,608	5,835,972	59.16
19–20	.00080	98,570	79	98,531	5,737,364	58.21
20–21	.00081	98,491	79	98,452	5,638,833	57.25
21–22	.00083	98,412	82	98,370	5,540,381	56.30
22–23	.00085	98,330	84	98,288	5,442,011	55.34
23–24	.00087	98,246	85	98,204	5,343,723	54.39
24–25	.00088	98,161	86	98,118	5,245,519	53.44
25–26	.00090	98,075	88	98,030	5,147,401	52.48
26–27	.00091	97,987	90	97,942	5,049,371	51.53
27–28	.00093	97,897	91	97,852	4,951,429	50.58
28–29	.00095	97,806	93	97,760	4,853,577	49.62
29–30	.00098	97,713	96	97,665	4,755,817	48.67
30–31	.00101	97,617	99	97,568	4,658,152	47.72
31–32	.00105	97,518	102	97,467	4,560,584	46.77
32–33	.00109	97,416	106	97,363	4,463,117	45.82
33–34	.00113	97,310	110	97,255	4,365,754	44.86
34–35	.00119	97,200	115	97,142	4,268,499	43.91
35–36	.00125	97,085	122	97,024	4,171,357	42.97
36–37	.00132	96,963	128	96,899	4,074,333	42.02
37–38	.00140	96,835	136	96,766	3,977,434	41.07
38–39	.00149	96,699	144	96,627	3,880,668	40.13
39–40	.00157	96,555	152	96,479	3,784,041	39.19
40–41	.00167	96,403	161	96,323	3,687,562	38.25
41–42	.00178	96,242	171	96,157	3,591,239	37.31
42–43	.00193	96,071	185	95,978	3,495,082	36.38
43–44	.00210	95,886	202	95,784	3,399,104	35.45
44–45	.00232	95,684	222	95,573	3,303,320	34.52
45–46	.00258	95,462	247	95,339	3,207,747	33.60
46–47	.00288	95,215	274	95,078	3,112,408	32.69
47–48	.00320	94,941	304	94,789	3,017,330	31.78
48–49	.00353	94,637	334	94,470	2,922,541	30.88
49–50	.00387	94,303	365	94,120	2,828,071	29.99
50–51	.00427	93,938	402	93,737	2,733,951	29.10
51–52	.00474	93,536	443	93,315	2,640,214	28.23
52–53	.00527	93,093	491	92,847	2,546,899	27.36
53–54	.00585	92,602	542	92,331	2,454,052	26.50
54–55	.00648	92,060	596	91,762	2,361,721	25.65

Table 4. Life table for the white population: Michigan, 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	.00716	91,464	655	91,137	2,269,959	24.82
56–57	.00791	90,809	718	90,450	2,178,822	23.99
57–58	.00875	90,091	788	89,698	2,088,372	23.18
58–59	.00967	89,303	863	88,871	1,998,674	22.38
59–60	.01065	88,440	942	87,969	1,909,803	21.59
60–61	.01161	87,498	1,016	86,990	1,821,834	20.82
61–62	.01259	86,482	1,089	85,937	1,734,844	20.06
62–63	.01368	85,393	1,168	84,809	1,648,907	19.31
63–64	.01495	84,225	1,259	83,595	1,564,098	18.57
64–65	.01639	82,966	1,360	82,287	1,480,503	17.84
65–66	.01795	81,606	1,465	80,873	1,398,216	17.13
66–67	.01956	80,141	1,567	79,358	1,317,343	16.44
67–68	.02129	78,574	1,673	77,738	1,237,985	15.76
68–69	.02318	76,901	1,782	76,010	1,160,247	15.09
69–70	.02526	75,119	1,898	74,170	1,084,237	14.43
70–71	.02758	73,221	2,019	72,211	1,010,067	13.79
71–72	.03014	71,202	2,147	70,129	937,856	13.17
72–73	.03294	69,055	2,274	67,918	867,727	12.57
73–74	.03591	66,781	2,399	65,581	799,809	11.98
74–75	.03904	64,382	2,513	63,126	734,228	11.40
75–76	.04238	61,869	2,622	60,558	671,102	10.85
76–77	.04600	59,247	2,726	57,884	610,544	10.31
77–78	.04993	56,521	2,822	55,110	552,660	9.78
78–79	.05427	53,699	2,914	52,242	497,550	9.27
79–80	.05910	50,785	3,001	49,285	445,308	8.77
80–81	.06453	47,784	3,084	46,242	396,023	8.29
81–82	.07055	44,700	3,153	43,123	349,781	7.83
82–83	.07708	41,547	3,203	39,946	306,658	7.38
83–84	.08401	38,344	3,221	36,733	266,712	6.96
84–85	.09137	35,123	3,209	33,519	229,979	6.55
85–86	.09943	31,914	3,173	30,327	196,460	6.16
86–87	.10854	28,741	3,120	27,181	166,133	5.78
87–88	.11832	25,621	3,031	24,105	138,952	5.42
88–89	.12872	22,590	2,908	21,136	114,847	5.08
89–90	.14003	19,682	2,756	18,304	93,711	4.76
90–91	.15301	16,926	2,590	15,631	75,407	4.46
91–92	.16766	14,336	2,404	13,134	59,776	4.17
92–93	.18289	11,932	2,182	10,841	46,642	3.91
93–94	.19779	9,750	1,928	8,786	35,801	3.67
94–95	.21248	7,822	1,662	6,990	27,015	3.45
95–96	.22760	6,160	1,402	5,459	20,025	3.25
96–97	.24414	4,758	1,162	4,177	14,566	3.06
97–98	.26009	3,596	935	3,129	10,389	2.89
98–99	.27538	2,661	733	2,294	7,260	2.73
99–100	.29135	1,928	562	1,647	4,966	2.58
100–101	.30824	1,366	421	1,156	3,319	2.43
101–102	.32612	945	308	791	2,163	2.29
102–103	.34504	637	220	527	1,372	2.15
103–104	.36505	417	152	341	845	2.03
104–105	.38622	265	102	214	504	1.90
105–106	.40862	163	67	129	290	1.78
106–107	.43232	96	41	76	161	1.67
107–108	.45740	55	25	42	85	1.56
108–109	.48393	30	15	22	43	1.46
109–110	.51200	15	8	12	21	1.36

Table 5. Life table for white males: Michigan, 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	.00880	100,000	880	99,305	7,305,928	73.06
1–2	.00062	99,120	61	99,089	7,206,623	72.71
2–3	.00048	99,059	48	99,035	7,107,534	71.75
3–4	.00034	99,011	33	98,995	7,008,499	70.78
4–5	.00029	98,978	28	98,964	6,909,504	69.81
5–6	.00024	98,950	25	98,937	6,810,540	68.83
6–7	.00023	98,925	22	98,914	6,711,603	67.85
7–8	.00021	98,903	21	98,893	6,612,689	66.86
8–9	.00019	98,882	19	98,873	6,513,796	65.87
9–10	.00017	98,863	17	98,854	6,414,923	64.89
10–11	.00016	98,846	15	98,839	6,316,069	63.90
11–12	.00017	98,831	17	98,822	6,217,230	62.91
12–13	.00024	98,814	23	98,803	6,118,408	61.92
13–14	.00037	98,791	37	98,772	6,019,605	60.93
14–15	.00055	98,754	54	98,728	5,920,833	59.96
15–16	.00074	98,700	73	98,663	5,822,105	58.99
16–17	.00092	98,627	91	98,582	5,723,442	58.03
17–18	.00106	98,536	104	98,484	5,624,860	57.08
18–19	.00113	98,432	111	98,377	5,526,376	56.14
19–20	.00117	98,321	115	98,263	5,427,999	55.21
20–21	.00119	98,206	117	98,148	5,329,736	54.27
21–22	.00122	98,089	120	98,029	5,231,588	53.33
22–23	.00125	97,969	122	97,908	5,133,559	52.40
23–24	.00126	97,847	123	97,786	5,035,651	51.46
24–25	.00127	97,724	124	97,661	4,937,865	50.53
25–26	.00127	97,600	125	97,538	4,840,204	49.59
26–27	.00128	97,475	124	97,413	4,742,666	48.66
27–28	.00130	97,351	127	97,287	4,645,253	47.72
28–29	.00134	97,224	130	97,159	4,547,966	46.78
29–30	.00139	97,094	135	97,027	4,450,807	45.84
30–31	.00145	96,959	141	96,888	4,353,780	44.90
31–32	.00151	96,818	145	96,746	4,256,892	43.97
32–33	.00156	96,673	151	96,597	4,160,146	43.03
33–34	.00161	96,522	156	96,444	4,063,549	42.10
34–35	.00166	96,366	160	96,286	3,967,105	41.17
35–36	.00172	96,206	165	96,124	3,870,819	40.23
36–37	.00179	96,041	172	95,956	3,774,695	39.30
37–38	.00187	95,869	178	95,780	3,678,739	38.37
38–39	.00196	95,691	188	95,596	3,582,959	37.44
39–40	.00206	95,503	196	95,406	3,487,363	36.52
40–41	.00217	95,307	207	95,203	3,391,957	35.59
41–42	.00230	95,100	219	94,991	3,296,754	34.67
42–43	.00247	94,881	234	94,763	3,201,763	33.75
43–44	.00268	94,647	254	94,521	3,107,000	32.83
44–45	.00294	94,393	277	94,254	3,012,479	31.91
45–46	.00326	94,116	306	93,963	2,918,225	31.01
46–47	.00362	93,810	340	93,640	2,824,262	30.11
47–48	.00400	93,470	373	93,284	2,730,622	29.21
48–49	.00439	93,097	409	92,892	2,637,338	28.33
49–50	.00479	92,688	444	92,466	2,544,446	27.45
50–51	.00526	92,244	485	92,002	2,451,980	26.58
51–52	.00583	91,759	535	91,491	2,359,978	25.72
52–53	.00646	91,224	589	90,930	2,268,487	24.87
53–54	.00718	90,635	651	90,309	2,177,557	24.03
54–55	.00797	89,984	717	89,626	2,087,248	23.20

Table 5. Life table for white males: Michigan, 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	.00881	89,267	786	88,874	1,997,622	22.38
56–57	.00976	88,481	864	88,048	1,908,748	21.57
57–58	.01086	87,617	951	87,142	1,820,700	20.78
58–59	.01212	86,666	1,051	86,140	1,733,558	20.00
59–60	.01348	85,615	1,154	85,038	1,647,418	19.24
60–61	.01481	84,461	1,251	83,836	1,562,380	18.50
61–62	.01613	83,210	1,342	82,539	1,478,544	17.77
62–63	.01757	81,868	1,439	81,149	1,396,005	17.05
63–64	.01922	80,429	1,545	79,656	1,314,856	16.35
64–65	.02110	78,884	1,665	78,052	1,235,200	15.66
65–66	.02314	77,219	1,787	76,326	1,157,148	14.99
66–67	.02529	75,432	1,908	74,478	1,080,822	14.33
67–68	.02763	73,524	2,031	72,508	1,006,344	13.69
68–69	.03020	71,493	2,159	70,414	933,836	13.06
69–70	.03304	69,334	2,291	68,188	863,422	12.45
70–71	.03622	67,043	2,429	65,829	795,234	11.86
71–72	.03978	64,614	2,570	63,330	729,405	11.29
72–73	.04365	62,044	2,708	60,690	666,075	10.74
73–74	.04773	59,336	2,832	57,920	605,385	10.20
74–75	.05200	56,504	2,938	55,035	547,465	9.69
75–76	.05657	53,566	3,030	52,051	492,430	9.19
76–77	.06154	50,536	3,110	48,981	440,379	8.71
77–78	.06683	47,426	3,169	45,841	391,398	8.25
78–79	.07255	44,257	3,211	42,652	345,557	7.81
79–80	.07887	41,046	3,238	39,427	302,905	7.38
80–81	.08619	37,808	3,258	36,179	263,478	6.97
81–82	.09448	34,550	3,265	32,917	227,299	6.58
82–83	.10318	31,285	3,228	29,671	194,382	6.21
83–84	.11160	28,057	3,131	26,492	164,711	5.87
84–85	.11960	24,926	2,981	23,436	138,219	5.55
85–86	.12789	21,945	2,806	20,542	114,783	5.23
86–87	.13755	19,139	2,633	17,822	94,241	4.92
87–88	.14811	16,506	2,445	15,284	76,419	4.63
88–89	.15981	14,061	2,247	12,937	61,135	4.35
89–90	.17283	11,814	2,042	10,794	48,198	4.08
90–91	.18740	9,772	1,831	8,856	37,404	3.83
91–92	.20345	7,941	1,616	7,133	28,548	3.59
92–93	.22011	6,325	1,392	5,630	21,415	3.39
93–94	.23587	4,933	1,163	4,351	15,785	3.20
94–95	.24995	3,770	943	3,299	11,434	3.03
95–96	.26329	2,827	744	2,455	8,135	2.88
96–97	.27914	2,083	581	1,792	5,680	2.73
97–98	.29399	1,502	442	1,281	3,888	2.59
98–99	.30869	1,060	327	896	2,607	2.46
99–100	.32413	733	238	614	1,711	2.33
100–101	.34033	495	168	411	1,097	2.21
101–102	.35735	327	117	269	686	2.10
102–103	.37522	210	79	170	417	1.99
103–104	.39398	131	51	106	247	1.88
104–105	.41368	80	33	63	141	1.78
105–106	.43436	47	21	36	78	1.68
106–107	.45608	26	12	21	42	1.58
107–108	.47888	14	7	10	21	1.49
108–109	.50282	7	3	6	11	1.41
109–110	.52797	4	2	3	5	1.32

Table 6. Life table for white females: Michigan, 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	.00679	100,000	679	99,454	7,913,894	79.14
1–2	.00061	99,321	61	99,290	7,814,440	78.68
2–3	.00040	99,260	39	99,241	7,715,150	77.73
3–4	.00030	99,221	30	99,205	7,615,909	76.76
4–5	.00025	99,191	25	99,178	7,516,704	75.78
5–6	.00024	99,166	24	99,154	7,417,526	74.80
6–7	.00021	99,142	21	99,132	7,318,372	73.82
7–8	.00019	99,121	19	99,111	7,219,240	72.83
8–9	.00018	99,102	18	99,093	7,120,129	71.85
9–10	.00016	99,084	16	99,076	7,021,036	70.86
10–11	.00015	99,068	15	99,061	6,921,960	69.87
11–12	.00015	99,053	16	99,045	6,822,899	68.88
12–13	.00017	99,037	16	99,029	6,723,854	67.89
13–14	.00020	99,021	20	99,011	6,624,825	66.90
14–15	.00025	99,001	25	98,988	6,525,814	65.92
15–16	.00030	98,976	30	98,961	6,426,826	64.93
16–17	.00035	98,946	35	98,929	6,327,865	63.95
17–18	.00039	98,911	38	98,892	6,228,936	62.97
18–19	.00041	98,873	41	98,853	6,130,044	62.00
19–20	.00042	98,832	41	98,811	6,031,191	61.02
20–21	.00043	98,791	42	98,770	5,932,380	60.05
21–22	.00044	98,749	43	98,727	5,833,610	59.08
22–23	.00045	98,706	45	98,684	5,734,883	58.10
23–24	.00047	98,661	47	98,637	5,636,199	57.13
24–25	.00049	98,614	48	98,590	5,537,562	56.15
25–26	.00052	98,566	51	98,541	5,438,972	55.18
26–27	.00054	98,515	54	98,487	5,340,431	54.21
27–28	.00056	98,461	55	98,434	5,241,944	53.24
28–29	.00057	98,406	56	98,378	5,143,510	52.27
29–30	.00058	98,350	57	98,321	5,045,132	51.30
30–31	.00058	98,293	57	98,264	4,946,811	50.33
31–32	.00060	98,236	59	98,207	4,848,547	49.36
32–33	.00062	98,177	61	98,146	4,750,340	48.39
33–34	.00066	98,116	65	98,084	4,652,194	47.42
34–35	.00072	98,051	70	98,016	4,554,110	46.45
35–36	.00079	97,981	78	97,942	4,456,094	45.48
36–37	.00086	97,903	84	97,861	4,358,152	44.51
37–38	.00094	97,819	92	97,773	4,260,291	43.55
38–39	.00101	97,727	99	97,677	4,162,518	42.59
39–40	.00109	97,628	107	97,574	4,064,841	41.64
40–41	.00117	97,521	114	97,464	3,967,267	40.68
41–42	.00127	97,407	124	97,345	3,869,803	39.73
42–43	.00139	97,283	135	97,215	3,772,458	38.78
43–44	.00153	97,148	149	97,074	3,675,243	37.83
44–45	.00171	96,999	165	96,916	3,578,169	36.89
45–46	.00192	96,834	186	96,741	3,481,253	35.95
46–47	.00216	96,648	208	96,544	3,384,512	35.02
47–48	.00242	96,440	233	96,323	3,287,968	34.09
48–49	.00269	96,207	259	96,077	3,191,645	33.17
49–50	.00298	95,948	286	95,805	3,095,568	32.26
50–51	.00331	95,662	316	95,505	2,999,763	31.36
51–52	.00369	95,346	352	95,170	2,904,258	30.46
52–53	.00411	94,994	390	94,799	2,809,088	29.57
53–54	.00457	94,604	433	94,387	2,714,289	28.69
54–55	.00506	94,171	476	93,933	2,619,902	27.82

Table 6. Life table for white females: Michigan, 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	.00559	93,695	523	93,434	2,525,969	26.96
56–57	.00616	93,172	575	92,884	2,432,535	26.11
57–58	.00677	92,597	627	92,284	2,339,651	25.27
58–59	.00739	91,970	679	91,631	2,247,367	24.44
59–60	.00802	91,291	732	90,925	2,155,736	23.61
60–61	.00864	90,559	782	90,167	2,064,811	22.80
61–62	.00930	89,777	835	89,360	1,974,644	22.00
62–63	.01009	88,942	897	88,493	1,885,284	21.20
63–64	.01107	88,045	975	87,558	1,796,791	20.41
64–65	.01221	87,070	1,063	86,539	1,709,233	19.63
65–66	.01344	86,007	1,156	85,429	1,622,694	18.87
66–67	.01471	84,851	1,248	84,227	1,537,265	18.12
67–68	.01605	83,603	1,341	82,933	1,453,038	17.38
68–69	.01750	82,262	1,440	81,541	1,370,105	16.66
69–70	.01909	80,822	1,543	80,051	1,288,564	15.94
70–71	.02087	79,279	1,654	78,453	1,208,513	15.24
71–72	.02284	77,625	1,773	76,738	1,130,060	14.56
72–73	.02502	75,852	1,898	74,904	1,053,322	13.89
73–74	.02738	73,954	2,025	72,941	978,418	13.23
74–75	.02991	71,929	2,151	70,854	905,477	12.59
75–76	.03262	69,778	2,277	68,639	834,623	11.96
76–77	.03559	67,501	2,402	66,300	765,984	11.35
77–78	.03893	65,099	2,534	63,832	699,684	10.75
78–79	.04276	62,565	2,675	61,228	635,852	10.16
79–80	.04714	59,890	2,823	58,478	574,624	9.59
80–81	.05200	57,067	2,968	55,583	516,146	9.04
81–82	.05735	54,099	3,102	52,548	460,563	8.51
82–83	.06337	50,997	3,232	49,381	408,015	8.00
83–84	.07012	47,765	3,349	46,091	358,634	7.51
84–85	.07769	44,416	3,451	42,690	312,543	7.04
85–86	.08617	40,965	3,530	39,200	269,853	6.59
86–87	.09564	37,435	3,581	35,645	230,653	6.16
87–88	.10570	33,854	3,578	32,065	195,008	5.76
88–89	.11622	30,276	3,519	28,516	162,943	5.38
89–90	.12754	26,757	3,412	25,051	134,427	5.02
90–91	.14069	23,345	3,285	21,703	109,376	4.69
91–92	.15565	20,060	3,122	18,499	87,673	4.37
92–93	.17115	16,938	2,899	15,488	69,174	4.08
93–94	.18637	14,039	2,616	12,731	53,686	3.82
94–95	.20157	11,423	2,303	10,271	40,955	3.59
95–96	.21737	9,120	1,982	8,129	30,684	3.36
96–97	.23434	7,138	1,673	6,302	22,555	3.16
97–98	.25091	5,465	1,371	4,779	16,253	2.97
98–99	.26715	4,094	1,094	3,547	11,474	2.80
99–100	.28318	3,000	849	2,575	7,927	2.64
100–101	.30017	2,151	646	1,828	5,352	2.49
101–102	.31818	1,505	479	1,266	3,524	2.34
102–103	.33727	1,026	346	853	2,258	2.20
103–104	.35750	680	243	558	1,405	2.07
104–105	.37895	437	166	354	847	1.94
105–106	.40169	271	109	217	493	1.81
106–107	.42579	162	69	128	276	1.70
107–108	.45134	93	42	72	148	1.59
108–109	.47842	51	24	39	76	1.48
109–110	.50712	27	14	20	37	1.38

Table 7. Life table for the population other than white: Michigan, 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	.02103	100,000	2,103	98,294	6,921,844	69.22
1–2	.00114	97,897	112	97,841	6,823,550	69.70
2–3	.00073	97,785	71	97,749	6,725,709	68.78
3–4	.00054	97,714	53	97,688	6,627,960	67.83
4–5	.00040	97,661	39	97,642	6,530,272	66.87
5–6	.00035	97,622	34	97,605	6,432,630	65.89
6–7	.00032	97,588	31	97,573	6,335,025	64.92
7–8	.00030	97,557	29	97,542	6,237,452	63.94
8–9	.00026	97,528	26	97,515	6,139,910	62.96
9–10	.00022	97,502	21	97,492	6,042,395	61.97
10–11	.00019	97,481	18	97,472	5,944,903	60.99
11–12	.00021	97,463	20	97,453	5,847,431	60.00
12–13	.00033	97,443	33	97,427	5,749,978	59.01
13–14	.00057	97,410	55	97,382	5,652,551	58.03
14–15	.00087	97,355	85	97,313	5,555,169	57.06
15–16	.00119	97,270	116	97,212	5,457,856	56.11
16–17	.00147	97,154	143	97,082	5,360,644	55.18
17–18	.00169	97,011	164	96,929	5,263,562	54.26
18–19	.00183	96,847	177	96,759	5,166,633	53.35
19–20	.00192	96,670	185	96,577	5,069,874	52.45
20–21	.00200	96,485	194	96,389	4,973,297	51.54
21–22	.00211	96,291	203	96,189	4,876,908	50.65
22–23	.00220	96,088	211	95,983	4,780,719	49.75
23–24	.00226	95,877	216	95,769	4,684,736	48.86
24–25	.00230	95,661	221	95,551	4,588,967	47.97
25–26	.00234	95,440	223	95,329	4,493,416	47.08
26–27	.00239	95,217	228	95,103	4,398,087	46.19
27–28	.00244	94,989	232	94,873	4,302,984	45.30
28–29	.00250	94,757	236	94,639	4,208,111	44.41
29–30	.00257	94,521	243	94,399	4,113,472	43.52
30–31	.00263	94,278	248	94,154	4,019,073	42.63
31–32	.00270	94,030	254	93,903	3,924,919	41.74
32–33	.00285	93,776	267	93,642	3,831,016	40.85
33–34	.00310	93,509	290	93,364	3,737,374	39.97
34–35	.00344	93,219	321	93,058	3,644,010	39.09
35–36	.00382	92,898	355	92,721	3,550,952	38.22
36–37	.00420	92,543	388	92,348	3,458,231	37.37
37–38	.00453	92,155	417	91,946	3,365,883	36.52
38–39	.00476	91,738	437	91,520	3,273,937	35.69
39–40	.00493	91,301	451	91,075	3,182,417	34.86
40–41	.00509	90,850	462	90,619	3,091,342	34.03
41–42	.00529	90,388	479	90,148	3,000,723	33.20
42–43	.00552	89,909	496	89,662	2,910,575	32.37
43–44	.00580	89,413	519	89,154	2,820,913	31.55
44–45	.00616	88,894	547	88,620	2,731,759	30.73
45–46	.00658	88,347	581	88,057	2,643,139	29.92
46–47	.00706	87,766	620	87,455	2,555,082	29.11
47–48	.00756	87,146	659	86,817	2,467,627	28.32
48–49	.00805	86,487	696	86,139	2,380,810	27.53
49–50	.00854	85,791	733	85,425	2,294,671	26.75
50–51	.00909	85,058	774	84,671	2,209,246	25.97
51–52	.00975	84,284	821	83,874	2,124,575	25.21
52–53	.01047	83,463	874	83,026	2,040,701	24.45
53–54	.01123	82,589	927	82,125	1,957,675	23.70
54–55	.01203	81,662	983	81,171	1,875,550	22.97

Table 7. Life table for the population other than white: Michigan, 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	.01282	80,679	1,034	80,162	1,794,379	22.24
56–57	.01367	79,645	1,088	79,101	1,714,217	21.52
57–58	.01473	78,557	1,157	77,978	1,635,116	20.81
58–59	.01607	77,400	1,244	76,778	1,557,138	20.12
59–60	.01763	76,156	1,343	75,484	1,480,360	19.44
60–61	.01924	74,813	1,440	74,093	1,404,876	18.78
61–62	.02079	73,373	1,525	72,610	1,330,783	18.14
62–63	.02236	71,848	1,607	71,045	1,258,173	17.51
63–64	.02393	70,241	1,681	69,401	1,187,128	16.90
64–65	.02553	68,560	1,750	67,685	1,117,727	16.30
65–66	.02717	66,810	1,815	65,902	1,050,042	15.72
66–67	.02885	64,995	1,876	64,057	984,140	15.14
67–68	.03065	63,119	1,934	62,153	920,083	14.58
68–69	.03264	61,185	1,997	60,186	857,930	14.02
69–70	.03492	59,188	2,067	58,154	797,744	13.48
70–71	.03756	57,121	2,146	56,048	739,590	12.95
71–72	.04051	54,975	2,227	53,862	683,542	12.43
72–73	.04362	52,748	2,301	51,597	629,680	11.94
73–74	.04660	50,447	2,351	49,272	578,083	11.46
74–75	.04936	48,096	2,374	46,910	528,811	10.99
75–76	.05206	45,722	2,380	44,532	481,901	10.54
76–77	.05498	43,342	2,383	42,150	437,369	10.09
77–78	.05820	40,959	2,384	39,767	395,219	9.65
78–79	.06207	38,575	2,394	37,378	355,452	9.21
79–80	.06679	36,181	2,417	34,972	318,074	8.79
80–81	.07260	33,764	2,451	32,538	283,102	8.38
81–82	.07916	31,313	2,479	30,074	250,564	8.00
82–83	.08565	28,834	2,470	27,599	220,490	7.65
83–84	.09064	26,364	2,389	25,169	192,891	7.32
84–85	.09377	23,975	2,248	22,851	167,722	7.00
85–86	.09599	21,727	2,086	20,684	144,871	6.67
86–87	.09938	19,641	1,952	18,665	124,187	6.32
87–88	.10466	17,689	1,851	16,764	105,522	5.97
88–89	.11295	15,838	1,789	14,943	88,758	5.60
89–90	.12424	14,049	1,745	13,177	73,815	5.25
90–91	.13818	12,304	1,700	11,453	60,638	4.93
91–92	.15343	10,604	1,627	9,790	49,185	4.64
92–93	.16846	8,977	1,513	8,221	39,395	4.39
93–94	.17958	7,464	1,340	6,794	31,174	4.18
94–95	.18708	6,124	1,146	5,551	24,380	3.98
95–96	.19586	4,978	975	4,491	18,829	3.78
96–97	.20830	4,003	834	3,586	14,338	3.58
97–98	.22089	3,169	700	2,820	10,752	3.39
98–99	.23370	2,469	577	2,180	7,932	3.21
99–100	.24726	1,892	468	1,659	5,752	3.04
100–101	.26160	1,424	372	1,238	4,093	2.87
101–102	.27677	1,052	291	906	2,855	2.71
102–103	.29282	761	223	649	1,949	2.56
103–104	.30981	538	167	455	1,300	2.42
104–105	.32778	371	121	310	845	2.28
105–106	.34679	250	87	207	535	2.14
106–107	.36690	163	60	133	328	2.01
107–108	.38818	103	40	83	195	1.89
108–109	.41070	63	26	50	112	1.78
109–110	.43452	37	16	29	62	1.66

Table 8. Life table for males other than white: Michigan, 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	.02286	100,000	2,286	98,136	6,467,736	64.68
1–2	.00119	97,714	117	97,656	6,369,600	65.19
2–3	.00082	97,597	80	97,557	6,271,944	64.26
3–4	.00058	97,517	57	97,488	6,174,387	63.32
4–5	.00043	97,460	41	97,440	6,076,899	62.35
5–6	.00035	97,419	35	97,401	5,979,459	61.38
6–7	.00034	97,384	33	97,368	5,882,058	60.40
7–8	.00033	97,351	32	97,335	5,784,690	59.42
8–9	.00030	97,319	29	97,305	5,687,355	58.44
9–10	.00025	97,290	24	97,278	5,590,050	57.46
10–11	.00021	97,266	21	97,256	5,492,772	56.47
11–12	.00026	97,245	25	97,232	5,395,516	55.48
12–13	.00047	97,220	46	97,198	5,298,284	54.50
13–14	.00088	97,174	85	97,131	5,201,086	53.52
14–15	.00140	97,089	136	97,021	5,103,955	52.57
15–16	.00194	96,953	188	96,859	5,006,934	51.64
16–17	.00240	96,765	232	96,649	4,910,075	50.74
17–18	.00276	96,533	267	96,400	4,813,426	49.86
18–19	.00301	96,266	289	96,122	4,717,026	49.00
19–20	.00317	95,977	304	95,825	4,620,904	48.15
20–21	.00334	95,673	320	95,513	4,525,079	47.30
21–22	.00353	95,353	336	95,185	4,429,566	46.45
22–23	.00368	95,017	349	94,842	4,334,381	45.62
23–24	.00377	94,668	357	94,490	4,239,539	44.78
24–25	.00381	94,311	359	94,131	4,145,049	43.95
25–26	.00383	93,952	360	93,773	4,050,918	43.12
26–27	.00386	93,592	361	93,412	3,957,145	42.28
27–28	.00389	93,231	362	93,050	3,863,733	41.44
28–29	.00392	92,869	364	92,687	3,770,683	40.60
29–30	.00397	92,505	368	92,321	3,677,996	39.76
30–31	.00400	92,137	368	91,953	3,585,675	38.92
31–32	.00405	91,769	372	91,583	3,493,722	38.07
32–33	.00422	91,397	386	91,204	3,402,139	37.22
33–34	.00457	91,011	415	90,803	3,310,935	36.38
34–35	.00505	90,596	458	90,367	3,220,132	35.54
35–36	.00561	90,138	505	89,886	3,129,765	34.72
36–37	.00615	89,633	551	89,357	3,039,879	33.91
37–38	.00661	89,082	589	88,787	2,950,522	33.12
38–39	.00693	88,493	614	88,186	2,861,735	32.34
39–40	.00713	87,879	626	87,566	2,773,549	31.56
40–41	.00731	87,253	638	86,934	2,685,983	30.78
41–42	.00754	86,615	653	86,289	2,599,049	30.01
42–43	.00782	85,962	672	85,627	2,512,760	29.23
43–44	.00820	85,290	699	84,940	2,427,133	28.46
44–45	.00868	84,591	734	84,224	2,342,193	27.69
45–46	.00925	83,857	776	83,469	2,257,969	26.93
46–47	.00987	83,081	820	82,670	2,174,500	26.17
47–48	.01051	82,261	865	81,829	2,091,830	25.43
48–49	.01111	81,396	904	80,944	2,010,001	24.69
49–50	.01169	80,492	941	80,021	1,929,057	23.97
50–51	.01235	79,551	982	79,061	1,849,036	23.24
51–52	.01314	78,569	1,032	78,052	1,769,975	22.53
52–53	.01401	77,537	1,086	76,994	1,691,923	21.82
53–54	.01492	76,451	1,141	75,880	1,614,929	21.12
54–55	.01587	75,310	1,195	74,713	1,539,049	20.44

Table 8. Life table for males other than white: Michigan, 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	.01680	74,115	1,245	73,493	1,464,336	19.76
56–57	.01781	72,870	1,298	72,221	1,390,843	19.09
57–58	.01912	71,572	1,368	70,888	1,318,622	18.42
58–59	.02083	70,204	1,463	69,472	1,247,734	17.77
59–60	.02283	68,741	1,569	67,957	1,178,262	17.14
60–61	.02489	67,172	1,672	66,336	1,110,305	16.53
61–62	.02688	65,500	1,761	64,620	1,043,969	15.94
62–63	.02884	63,739	1,838	62,820	979,349	15.36
63–64	.03074	61,901	1,903	60,950	916,529	14.81
64–65	.03264	59,998	1,958	59,019	855,579	14.26
65–66	.03453	58,040	2,004	57,038	796,560	13.72
66–67	.03649	56,036	2,045	55,014	739,522	13.20
67–68	.03870	53,991	2,089	52,947	684,508	12.68
68–69	.04135	51,902	2,146	50,829	631,561	12.17
69–70	.04456	49,756	2,217	48,647	580,732	11.67
70–71	.04842	47,539	2,302	46,387	532,085	11.19
71–72	.05275	45,237	2,387	44,044	485,698	10.74
72–73	.05718	42,850	2,450	41,625	441,654	10.31
73–74	.06110	40,400	2,468	39,166	400,029	9.90
74–75	.06437	37,932	2,442	36,711	360,863	9.51
75–76	.06751	35,490	2,396	34,293	324,152	9.13
76–77	.07102	33,094	2,350	31,919	289,859	8.76
77–78	.07475	30,744	2,298	29,595	257,940	8.39
78–79	.07906	28,446	2,249	27,321	228,345	8.03
79–80	.08411	26,197	2,203	25,095	201,024	7.67
80–81	.09008	23,994	2,162	22,913	175,929	7.33
81–82	.09662	21,832	2,109	20,778	153,016	7.01
82–83	.10302	19,723	2,032	18,706	132,238	6.70
83–84	.10795	17,691	1,910	16,736	113,532	6.42
84–85	.11104	15,781	1,752	14,905	96,796	6.13
85–86	.11371	14,029	1,596	13,231	81,891	5.84
86–87	.11754	12,433	1,461	11,703	68,660	5.52
87–88	.12375	10,972	1,358	10,293	56,957	5.19
88–89	.13370	9,614	1,285	8,972	46,664	4.85
89–90	.14754	8,329	1,229	7,714	37,692	4.53
90–91	.16517	7,100	1,173	6,513	29,978	4.22
91–92	.18549	5,927	1,099	5,378	23,465	3.96
92–93	.20679	4,828	999	4,328	18,087	3.75
93–94	.22129	3,829	847	3,406	13,759	3.59
94–95	.22542	2,982	672	2,646	10,353	3.47
95–96	.22903	2,310	529	2,045	7,707	3.34
96–97	.24048	1,781	428	1,567	5,662	3.18
97–98	.25250	1,353	342	1,182	4,095	3.03
98–99	.26513	1,011	268	877	2,913	2.88
99–100	.27838	743	207	639	2,036	2.74
100–101	.29230	536	157	458	1,397	2.61
101–102	.30692	379	116	321	939	2.47
102–103	.32226	263	85	221	618	2.35
103–104	.33837	178	60	148	397	2.23
104–105	.35529	118	42	97	249	2.11
105–106	.37306	76	28	62	152	2.00
106–107	.39171	48	19	38	90	1.89
107–108	.41130	29	12	23	52	1.79
108–109	.43186	17	7	14	29	1.69
109–110	.45345	10	5	7	15	1.59

Table 9. Life table for females other than white: Michigan, 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	.01912	100,000	1,912	98,460	7,365,194	73.65
1–2	.00109	98,088	107	98,035	7,266,734	74.08
2–3	.00064	97,981	63	97,949	7,168,699	73.16
3–4	.00049	97,918	47	97,895	7,070,750	72.21
4–5	.00037	97,871	36	97,853	6,972,855	71.25
5–6	.00035	97,835	34	97,818	6,875,002	70.27
6–7	.00030	97,801	30	97,785	6,777,184	69.30
7–8	.00026	97,771	26	97,759	6,679,399	68.32
8–9	.00022	97,745	21	97,734	6,581,640	67.33
9–10	.00019	97,724	19	97,714	6,483,906	66.35
10–11	.00016	97,705	16	97,698	6,386,192	65.36
11–12	.00016	97,689	15	97,681	6,288,494	64.37
12–13	.00019	97,674	18	97,665	6,190,813	63.38
13–14	.00025	97,656	25	97,644	6,093,148	62.39
14–15	.00034	97,631	33	97,614	5,995,504	61.41
15–16	.00044	97,598	43	97,577	5,897,890	60.43
16–17	.00054	97,555	53	97,528	5,800,313	59.46
17–18	.00061	97,502	59	97,473	5,702,785	58.49
18–19	.00066	97,443	65	97,410	5,605,312	57.52
19–20	.00070	97,378	68	97,344	5,507,902	56.56
20–21	.00075	97,310	73	97,273	5,410,558	55.60
21–22	.00080	97,237	78	97,198	5,313,285	54.64
22–23	.00086	97,159	84	97,117	5,216,087	53.69
23–24	.00093	97,075	90	97,029	5,118,970	52.73
24–25	.00099	96,985	96	96,937	5,021,941	51.78
25–26	.00106	96,889	103	96,837	4,925,004	50.83
26–27	.00114	96,786	110	96,731	4,828,167	49.89
27–28	.00122	96,676	118	96,617	4,731,436	48.94
28–29	.00131	96,558	126	96,495	4,634,819	48.00
29–30	.00140	96,432	135	96,365	4,538,324	47.06
30–31	.00149	96,297	143	96,226	4,441,959	46.13
31–32	.00158	96,154	152	96,078	4,345,733	45.20
32–33	.00171	96,002	164	95,920	4,249,655	44.27
33–34	.00189	95,838	181	95,748	4,153,735	43.34
34–35	.00211	95,657	202	95,556	4,057,987	42.42
35–36	.00236	95,455	225	95,343	3,962,431	41.51
36–37	.00260	95,230	248	95,106	3,867,088	40.61
37–38	.00282	94,982	268	94,849	3,771,982	39.71
38–39	.00299	94,714	283	94,572	3,677,133	38.82
39–40	.00313	94,431	295	94,284	3,582,561	37.94
40–41	.00326	94,136	307	93,982	3,488,277	37.06
41–42	.00342	93,829	322	93,668	3,394,295	36.18
42–43	.00359	93,507	336	93,339	3,300,627	35.30
43–44	.00379	93,171	353	92,995	3,207,288	34.42
44–45	.00401	92,818	372	92,632	3,114,293	33.55
45–46	.00429	92,446	396	92,248	3,021,661	32.69
46–47	.00461	92,050	425	91,837	2,929,413	31.82
47–48	.00498	91,625	456	91,397	2,837,576	30.97
48–49	.00538	91,169	491	90,924	2,746,179	30.12
49–50	.00581	90,678	527	90,415	2,655,255	29.28
50–51	.00631	90,151	568	89,867	2,564,840	28.45
51–52	.00688	89,583	617	89,274	2,474,973	27.63
52–53	.00751	88,966	668	88,633	2,385,699	26.82
53–54	.00817	88,298	721	87,938	2,297,066	26.01
54–55	.00886	87,577	776	87,189	2,209,128	25.22

Table 9. Life table for females other than white: Michigan, 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	.00955	86,801	829	86,386	2,121,939	24.45
56–57	.01029	85,972	884	85,530	2,035,553	23.68
57–58	.01116	85,088	950	84,612	1,950,023	22.92
58–59	.01223	84,138	1,029	83,624	1,865,411	22.17
59–60	.01344	83,109	1,117	82,550	1,781,787	21.44
60–61	.01468	81,992	1,203	81,391	1,699,237	20.72
61–62	.01589	80,789	1,284	80,147	1,617,846	20.03
62–63	.01714	79,505	1,363	78,823	1,537,699	19.34
63–64	.01845	78,142	1,442	77,422	1,458,876	18.67
64–65	.01982	76,700	1,520	75,940	1,381,454	18.01
65–66	.02126	75,180	1,598	74,381	1,305,514	17.37
66–67	.02274	73,582	1,674	72,745	1,231,133	16.73
67–68	.02424	71,908	1,743	71,037	1,158,388	16.11
68–69	.02580	70,165	1,810	69,260	1,087,351	15.50
69–70	.02749	68,355	1,879	67,416	1,018,091	14.89
70–71	.02938	66,476	1,953	65,500	950,675	14.30
71–72	.03152	64,523	2,034	63,506	885,175	13.72
72–73	.03393	62,489	2,120	61,429	821,669	13.15
73–74	.03652	60,369	2,205	59,267	760,240	12.59
74–75	.03918	58,164	2,278	57,025	700,973	12.05
75–76	.04186	55,886	2,340	54,716	643,948	11.52
76–77	.04468	53,546	2,393	52,349	589,232	11.00
77–78	.04783	51,153	2,446	49,930	536,883	10.50
78–79	.05161	48,707	2,514	47,450	486,953	10.00
79–80	.05625	46,193	2,598	44,894	439,503	9.51
80–81	.06206	43,595	2,706	42,242	394,609	9.05
81–82	.06873	40,889	2,810	39,484	352,367	8.62
82–83	.07539	38,079	2,871	36,644	312,883	8.22
83–84	.08055	35,208	2,836	33,790	276,239	7.85
84–85	.08388	32,372	2,715	31,014	242,449	7.49
85–86	.08607	29,657	2,553	28,380	211,435	7.13
86–87	.08946	27,104	2,425	25,892	183,055	6.75
87–88	.09453	24,679	2,333	23,513	157,163	6.37
88–89	.10228	22,346	2,285	21,203	133,650	5.98
89–90	.11274	20,061	2,262	18,930	112,447	5.61
90–91	.12556	17,799	2,235	16,682	93,517	5.25
91–92	.13951	15,564	2,171	14,479	76,835	4.94
92–93	.15324	13,393	2,052	12,367	62,356	4.66
93–94	.16416	11,341	1,862	10,409	49,989	4.41
94–95	.17298	9,479	1,640	8,660	39,580	4.18
95–96	.18338	7,839	1,437	7,120	30,920	3.94
96–97	.19682	6,402	1,260	5,772	23,800	3.72
97–98	.21089	5,142	1,085	4,599	18,028	3.51
98–99	.22557	4,057	915	3,600	13,429	3.31
99–100	.23911	3,142	751	2,767	9,829	3.13
100–101	.25346	2,391	606	2,088	7,062	2.95
101–102	.26866	1,785	480	1,545	4,974	2.79
102–103	.28478	1,305	371	1,119	3,429	2.63
103–104	.30187	934	282	793	2,310	2.47
104–105	.31998	652	209	547	1,517	2.33
105–106	.33918	443	150	368	970	2.19
106–107	.35953	293	105	241	602	2.05
107–108	.38110	188	72	151	361	1.93
108–109	.40397	116	47	93	210	1.80
109–110	.42821	69	29	54	117	1.69

Table 10. Life table for the black population: Michigan, 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	.02218	100,000	2,218	98,198	6,849,043	68.49
1–2	.00121	97,782	119	97,723	6,750,845	69.04
2–3	.00075	97,663	73	97,626	6,653,122	68.12
3–4	.00056	97,590	55	97,563	6,555,496	67.17
4–5	.00046	97,535	45	97,512	6,457,933	66.21
5–6	.00038	97,490	37	97,472	6,360,421	65.24
6–7	.00034	97,453	33	97,437	6,262,949	64.27
7–8	.00032	97,420	31	97,404	6,165,512	63.29
8–9	.00028	97,389	27	97,375	6,068,108	62.31
9–10	.00023	97,362	23	97,351	5,970,733	61.33
10–11	.00020	97,339	19	97,329	5,873,382	60.34
11–12	.00022	97,320	22	97,309	5,776,053	59.35
12–13	.00035	97,298	34	97,281	5,678,744	58.36
13–14	.00061	97,264	59	97,235	5,581,463	57.38
14–15	.00093	97,205	91	97,159	5,484,228	56.42
15–16	.00128	97,114	124	97,052	5,387,069	55.47
16–17	.00157	96,990	153	96,914	5,290,017	54.54
17–18	.00181	96,837	174	96,750	5,193,103	53.63
18–19	.00196	96,663	190	96,568	5,096,353	52.72
19–20	.00207	96,473	199	96,373	4,999,785	51.83
20–21	.00217	96,274	210	96,169	4,903,412	50.93
21–22	.00230	96,064	220	95,954	4,807,243	50.04
22–23	.00240	95,844	230	95,729	4,711,289	49.16
23–24	.00248	95,614	237	95,495	4,615,560	48.27
24–25	.00253	95,377	241	95,256	4,520,065	47.39
25–26	.00257	95,136	245	95,014	4,424,809	46.51
26–27	.00263	94,891	249	94,767	4,329,795	45.63
27–28	.00268	94,642	254	94,515	4,235,028	44.75
28–29	.00274	94,388	258	94,259	4,140,513	43.87
29–30	.00281	94,130	265	93,997	4,046,254	42.99
30–31	.00286	93,865	268	93,731	3,952,257	42.11
31–32	.00293	93,597	275	93,459	3,858,526	41.23
32–33	.00309	93,322	289	93,178	3,765,067	40.34
33–34	.00338	93,033	314	92,876	3,671,889	39.47
34–35	.00376	92,719	349	92,545	3,579,013	38.60
35–36	.00420	92,370	388	92,176	3,486,468	37.74
36–37	.00463	91,982	425	91,770	3,394,292	36.90
37–38	.00500	91,557	458	91,328	3,302,522	36.07
38–39	.00526	91,099	478	90,860	3,211,194	35.25
39–40	.00543	90,621	493	90,375	3,120,334	34.43
40–41	.00560	90,128	505	89,875	3,029,959	33.62
41–42	.00581	89,623	520	89,363	2,940,084	32.80
42–43	.00605	89,103	540	88,834	2,850,721	31.99
43–44	.00636	88,563	563	88,281	2,761,887	31.19
44–45	.00675	88,000	594	87,703	2,673,606	30.38
45–46	.00721	87,406	630	87,091	2,585,903	29.58
46–47	.00773	86,776	671	86,440	2,498,812	28.80
47–48	.00826	86,105	711	85,750	2,412,372	28.02
48–49	.00875	85,394	747	85,020	2,326,622	27.25
49–50	.00922	84,647	781	84,256	2,241,602	26.48
50–51	.00973	83,866	816	83,458	2,157,346	25.72
51–52	.01036	83,050	860	82,621	2,073,888	24.97
52–53	.01108	82,190	910	81,735	1,991,267	24.23
53–54	.01188	81,280	966	80,796	1,909,532	23.49
54–55	.01276	80,314	1,025	79,802	1,828,736	22.77

Table 10. Life table for the black population: Michigan, 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	.01362	79,289	1,080	78,749	1,748,934	22.06
56–57	.01452	78,209	1,136	77,641	1,670,185	21.36
57–58	.01559	77,073	1,201	76,472	1,592,544	20.66
58–59	.01689	75,872	1,282	75,231	1,516,072	19.98
59–60	.01837	74,590	1,370	73,905	1,440,841	19.32
60–61	.01987	73,220	1,455	72,492	1,366,936	18.67
61–62	.02134	71,765	1,532	70,999	1,294,444	18.04
62–63	.02285	70,233	1,605	69,430	1,223,445	17.42
63–64	.02441	68,628	1,675	67,791	1,154,015	16.82
64–65	.02603	66,953	1,742	66,082	1,086,224	16.22
65–66	.02770	65,211	1,807	64,308	1,020,142	15.64
66–67	.02941	63,404	1,864	62,472	955,834	15.08
67–68	.03119	61,540	1,919	60,580	893,362	14.52
68–69	.03312	59,621	1,975	58,634	832,782	13.97
69–70	.03529	57,646	2,034	56,629	774,148	13.43
70–71	.03778	55,612	2,101	54,562	717,519	12.90
71–72	.04059	53,511	2,172	52,425	662,957	12.39
72–73	.04364	51,339	2,240	50,219	610,532	11.89
73–74	.04672	49,099	2,294	47,952	560,313	11.41
74–75	.04969	46,805	2,326	45,642	512,361	10.95
75–76	.05268	44,479	2,343	43,308	466,719	10.49
76–77	.05586	42,136	2,354	40,959	423,411	10.05
77–78	.05928	39,782	2,358	38,604	382,452	9.61
78–79	.06323	37,424	2,366	36,241	343,848	9.19
79–80	.06790	35,058	2,381	33,867	307,607	8.77
80–81	.07364	32,677	2,406	31,475	273,740	8.38
81–82	.08016	30,271	2,427	29,057	242,265	8.00
82–83	.08653	27,844	2,409	26,640	213,208	7.66
83–84	.09129	25,435	2,322	24,274	186,568	7.34
84–85	.09409	23,113	2,174	22,026	162,294	7.02
85–86	.09601	20,939	2,011	19,933	140,268	6.70
86–87	.09904	18,928	1,874	17,991	120,335	6.36
87–88	.10404	17,054	1,774	16,167	102,344	6.00
88–89	.11215	15,280	1,714	14,423	86,177	5.64
89–90	.12336	13,566	1,674	12,729	71,754	5.29
90–91	.13728	11,892	1,632	11,076	59,025	4.96
91–92	.15254	10,260	1,565	9,477	47,949	4.67
92–93	.16752	8,695	1,457	7,966	38,472	4.42
93–94	.17842	7,238	1,291	6,593	30,506	4.21
94–95	.18555	5,947	1,104	5,395	23,913	4.02
95–96	.19386	4,843	939	4,374	18,518	3.82
96–97	.20590	3,904	803	3,502	14,144	3.62
97–98	.21821	3,101	677	2,763	10,642	3.43
98–99	.23087	2,424	560	2,144	7,879	3.25
99–100	.24426	1,864	455	1,636	5,735	3.08
100–101	.25843	1,409	364	1,227	4,099	2.91
101–102	.27342	1,045	286	902	2,872	2.75
102–103	.28927	759	219	650	1,970	2.59
103–104	.30605	540	166	457	1,320	2.45
104–105	.32380	374	121	313	863	2.31
105–106	.34258	253	87	210	550	2.17
106–107	.36245	166	60	136	340	2.04
107–108	.38348	106	41	86	204	1.92
108–109	.40572	65	26	52	118	1.80
109–110	.42925	39	17	31	66	1.69

Table 11. Life table for black males: Michigan, 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	.02418	100,000	2,418	98,023	6,368,282	63.68
1–2	.00127	97,582	124	97,520	6,270,259	64.26
2–3	.00085	97,458	83	97,417	6,172,739	63.34
3–4	.00063	97,375	61	97,345	6,075,322	62.39
4–5	.00050	97,314	49	97,289	5,977,977	61.43
5–6	.00038	97,265	37	97,247	5,880,688	60.46
6–7	.00036	97,228	34	97,211	5,783,441	59.48
7–8	.00035	97,194	34	97,177	5,686,230	58.50
8–9	.00031	97,160	31	97,144	5,589,053	57.52
9–10	.00026	97,129	25	97,117	5,491,909	56.54
10–11	.00022	97,104	21	97,094	5,394,792	55.56
11–12	.00027	97,083	26	97,070	5,297,698	54.57
12–13	.00050	97,057	49	97,033	5,200,628	53.58
13–14	.00094	97,008	91	96,963	5,103,595	52.61
14–15	.00150	96,917	145	96,844	5,006,632	51.66
15–16	.00208	96,772	201	96,671	4,909,788	50.74
16–17	.00258	96,571	250	96,446	4,813,117	49.84
17–18	.00298	96,321	287	96,178	4,716,671	48.97
18–19	.00326	96,034	313	95,877	4,620,493	48.11
19–20	.00347	95,721	332	95,555	4,524,616	47.27
20–21	.00369	95,389	352	95,213	4,429,061	46.43
21–22	.00393	95,037	374	94,850	4,333,848	45.60
22–23	.00413	94,663	391	94,468	4,238,998	44.78
23–24	.00423	94,272	399	94,073	4,144,530	43.96
24–25	.00427	93,873	400	93,673	4,050,457	43.15
25–26	.00428	93,473	400	93,273	3,956,784	42.33
26–27	.00430	93,073	401	92,872	3,863,511	41.51
27–28	.00432	92,672	400	92,473	3,770,639	40.69
28–29	.00435	92,272	402	92,070	3,678,166	39.86
29–30	.00440	91,870	404	91,668	3,586,096	39.03
30–31	.00442	91,466	405	91,263	3,494,428	38.20
31–32	.00447	91,061	408	90,858	3,403,165	37.37
32–33	.00466	90,653	422	90,442	3,312,307	36.54
33–34	.00505	90,231	456	90,002	3,221,865	35.71
34–35	.00560	89,775	503	89,524	3,131,863	34.89
35–36	.00623	89,272	556	88,994	3,042,339	34.08
36–37	.00684	88,716	607	88,413	2,953,345	33.29
37–38	.00736	88,109	648	87,785	2,864,932	32.52
38–39	.00770	87,461	673	87,124	2,777,147	31.75
39–40	.00791	86,788	686	86,445	2,690,023	31.00
40–41	.00809	86,102	696	85,754	2,603,578	30.24
41–42	.00832	85,406	711	85,050	2,517,824	29.48
42–43	.00863	84,695	731	84,329	2,432,774	28.72
43–44	.00905	83,964	760	83,584	2,348,445	27.97
44–45	.00959	83,204	798	82,804	2,264,861	27.22
45–46	.01025	82,406	845	81,984	2,182,057	26.48
46–47	.01095	81,561	893	81,114	2,100,073	25.75
47–48	.01166	80,668	940	80,198	2,018,959	25.03
48–49	.01229	79,728	980	79,238	1,938,761	24.32
49–50	.01288	78,748	1,015	78,240	1,859,523	23.61
50–51	.01353	77,733	1,052	77,207	1,781,283	22.92
51–52	.01433	76,681	1,099	76,132	1,704,076	22.22
52–53	.01523	75,582	1,151	75,007	1,627,944	21.54
53–54	.01619	74,431	1,205	73,829	1,552,937	20.86
54–55	.01719	73,226	1,258	72,597	1,479,108	20.20

Table 11. Life table for black males: Michigan, 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	.01815	71,968	1,306	71,315	1,406,511	19.54
56–57	.01917	70,662	1,354	69,985	1,335,196	18.90
57–58	.02042	69,308	1,415	68,600	1,265,211	18.25
58–59	.02198	67,893	1,493	67,146	1,196,611	17.63
59–60	.02379	66,400	1,580	65,611	1,129,465	17.01
60–61	.02563	64,820	1,661	63,989	1,063,854	16.41
61–62	.02741	63,159	1,731	62,294	999,865	15.83
62–63	.02925	61,428	1,797	60,530	937,571	15.26
63–64	.03117	59,631	1,858	58,702	877,041	14.71
64–65	.03317	57,773	1,917	56,814	818,339	14.16
65–66	.03523	55,856	1,967	54,873	761,525	13.63
66–67	.03733	53,889	2,012	52,883	706,652	13.11
67–68	.03960	51,877	2,054	50,850	653,769	12.60
68–69	.04221	49,823	2,103	48,771	602,919	12.10
69–70	.04526	47,720	2,160	46,640	554,148	11.61
70–71	.04889	45,560	2,227	44,447	507,508	11.14
71–72	.05299	43,333	2,296	42,185	463,061	10.69
72–73	.05727	41,037	2,351	39,861	420,876	10.26
73–74	.06122	38,686	2,368	37,502	381,015	9.85
74–75	.06469	36,318	2,349	35,144	343,513	9.46
75–76	.06810	33,969	2,314	32,812	308,369	9.08
76–77	.07187	31,655	2,275	30,518	275,557	8.70
77–78	.07583	29,380	2,228	28,266	245,039	8.34
78–79	.08025	27,152	2,179	26,063	216,773	7.98
79–80	.08533	24,973	2,131	23,908	190,710	7.64
80–81	.09138	22,842	2,087	21,798	166,802	7.30
81–82	.09810	20,755	2,036	19,737	145,004	6.99
82–83	.10456	18,719	1,957	17,740	125,267	6.69
83–84	.10923	16,762	1,831	15,847	107,527	6.42
84–85	.11170	14,931	1,668	14,096	91,680	6.14
85–86	.11382	13,263	1,510	12,509	77,584	5.85
86–87	.11712	11,753	1,376	11,065	65,075	5.54
87–88	.12303	10,377	1,277	9,739	54,010	5.20
88–89	.13300	9,100	1,210	8,495	44,271	4.86
89–90	.14712	7,890	1,161	7,309	35,776	4.53
90–91	.16523	6,729	1,112	6,173	28,467	4.23
91–92	.18606	5,617	1,045	5,095	22,294	3.97
92–93	.20775	4,572	950	4,097	17,199	3.76
93–94	.22164	3,622	803	3,221	13,102	3.62
94–95	.22400	2,819	631	2,504	9,881	3.50
95–96	.22659	2,188	496	1,940	7,377	3.37
96–97	.23792	1,692	402	1,491	5,437	3.21
97–98	.24982	1,290	323	1,128	3,946	3.06
98–99	.26231	967	253	841	2,818	2.91
99–100	.27542	714	197	615	1,977	2.77
100–101	.28920	517	149	442	1,362	2.63
101–102	.30365	368	112	312	920	2.50
102–103	.31884	256	82	215	608	2.38
103–104	.33478	174	58	145	393	2.25
104–105	.35152	116	41	96	248	2.14
105–106	.36909	75	28	61	152	2.02
106–107	.38755	47	18	38	91	1.92
107–108	.40693	29	12	24	53	1.81
108–109	.42727	17	7	13	29	1.71
109–110	.44864	10	5	8	16	1.61

Table 12. Life table for black females: Michigan, 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	.02011	100,000	2,011	98,379	7,317,780	73.18
1–2	.00115	97,989	112	97,933	7,219,401	73.68
2–3	.00065	97,877	64	97,845	7,121,468	72.76
3–4	.00049	97,813	48	97,789	7,023,623	71.81
4–5	.00043	97,765	41	97,744	6,925,834	70.84
5–6	.00038	97,724	37	97,706	6,828,090	69.87
6–7	.00033	97,687	32	97,670	6,730,384	68.90
7–8	.00029	97,655	28	97,641	6,632,714	67.92
8–9	.00025	97,627	24	97,615	6,535,073	66.94
9–10	.00021	97,603	20	97,593	6,437,458	65.96
10–11	.00018	97,583	18	97,574	6,339,865	64.97
11–12	.00017	97,565	17	97,556	6,242,291	63.98
12–13	.00020	97,548	19	97,539	6,144,735	62.99
13–14	.00027	97,529	27	97,515	6,047,196	62.00
14–15	.00036	97,502	35	97,485	5,949,681	61.02
15–16	.00047	97,467	45	97,445	5,852,196	60.04
16–17	.00056	97,422	55	97,394	5,754,751	59.07
17–18	.00064	97,367	62	97,336	5,657,357	58.10
18–19	.00069	97,305	67	97,272	5,560,021	57.14
19–20	.00073	97,238	70	97,203	5,462,749	56.18
20–21	.00077	97,168	75	97,130	5,365,546	55.22
21–22	.00082	97,093	80	97,053	5,268,416	54.26
22–23	.00089	97,013	86	96,970	5,171,363	53.31
23–24	.00096	96,927	93	96,880	5,074,393	52.35
24–25	.00104	96,834	101	96,784	4,977,513	51.40
25–26	.00113	96,733	110	96,678	4,880,729	50.46
26–27	.00123	96,623	118	96,564	4,784,051	49.51
27–28	.00132	96,505	128	96,441	4,687,487	48.57
28–29	.00142	96,377	136	96,309	4,591,046	47.64
29–30	.00151	96,241	146	96,168	4,494,737	46.70
30–31	.00159	96,095	152	96,019	4,398,569	45.77
31–32	.00168	95,943	162	95,862	4,302,550	44.85
32–33	.00182	95,781	174	95,694	4,206,688	43.92
33–34	.00202	95,607	193	95,511	4,110,994	43.00
34–35	.00228	95,414	217	95,305	4,015,483	42.08
35–36	.00257	95,197	245	95,074	3,920,178	41.18
36–37	.00285	94,952	270	94,817	3,825,104	40.28
37–38	.00309	94,682	293	94,535	3,730,287	39.40
38–39	.00328	94,389	310	94,234	3,635,752	38.52
39–40	.00342	94,079	321	93,919	3,541,518	37.64
40–41	.00356	93,758	334	93,591	3,447,599	36.77
41–42	.00372	93,424	347	93,250	3,354,008	35.90
42–43	.00390	93,077	363	92,896	3,260,758	35.03
43–44	.00410	92,714	380	92,524	3,167,862	34.17
44–45	.00434	92,334	400	92,134	3,075,338	33.31
45–46	.00462	91,934	425	91,721	2,983,204	32.45
46–47	.00496	91,509	454	91,282	2,891,483	31.60
47–48	.00533	91,055	485	90,813	2,800,201	30.75
48–49	.00571	90,570	517	90,312	2,709,388	29.91
49–50	.00611	90,053	550	89,778	2,619,076	29.08
50–51	.00656	89,503	588	89,209	2,529,298	28.26
51–52	.00710	88,915	631	88,600	2,440,089	27.44
52–53	.00772	88,284	681	87,944	2,351,489	26.64
53–54	.00843	87,603	739	87,233	2,263,545	25.84
54–55	.00921	86,864	800	86,464	2,176,312	25.05

Table 12. Life table for black females: Michigan, 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	.00999	86,064	860	85,634	2,089,848	24.28
56–57	.01080	85,204	921	84,743	2,004,214	23.52
57–58	.01173	84,283	988	83,790	1,919,471	22.77
58–59	.01281	83,295	1,067	82,761	1,835,681	22.04
59–60	.01401	82,228	1,152	81,653	1,752,920	21.32
60–61	.01524	81,076	1,235	80,458	1,671,267	20.61
61–62	.01644	79,841	1,313	79,185	1,590,809	19.92
62–63	.01768	78,528	1,388	77,834	1,511,624	19.25
63–64	.01895	77,140	1,462	76,409	1,433,790	18.59
64–65	.02027	75,678	1,534	74,911	1,357,381	17.94
65–66	.02165	74,144	1,605	73,342	1,282,470	17.30
66–67	.02306	72,539	1,672	71,703	1,209,128	16.67
67–68	.02449	70,867	1,736	69,999	1,137,425	16.05
68–69	.02597	69,131	1,795	68,234	1,067,426	15.44
69–70	.02759	67,336	1,858	66,407	999,192	14.84
70–71	.02938	65,478	1,924	64,516	932,785	14.25
71–72	.03144	63,554	1,998	62,555	868,269	13.66
72–73	.03386	61,556	2,084	60,514	805,714	13.09
73–74	.03659	59,472	2,176	58,385	745,200	12.53
74–75	.03950	57,296	2,263	56,164	686,815	11.99
75–76	.04249	55,033	2,338	53,864	630,651	11.46
76–77	.04560	52,695	2,403	51,494	576,787	10.95
77–78	.04895	50,292	2,461	49,061	525,293	10.44
78–79	.05281	47,831	2,526	46,568	476,232	9.96
79–80	.05739	45,305	2,600	44,005	429,664	9.48
80–81	.06310	42,705	2,695	41,357	385,659	9.03
81–82	.06966	40,010	2,787	38,616	344,302	8.61
82–83	.07614	37,223	2,834	35,806	305,686	8.21
83–84	.08110	34,389	2,789	32,994	269,880	7.85
84–85	.08423	31,600	2,662	30,269	236,886	7.50
85–86	.08632	28,938	2,498	27,689	206,617	7.14
86–87	.08956	26,440	2,368	25,256	178,928	6.77
87–88	.09452	24,072	2,275	22,935	153,672	6.38
88–89	.10220	21,797	2,228	20,683	130,737	6.00
89–90	.11257	19,569	2,203	18,468	110,054	5.62
90–91	.12527	17,366	2,175	16,278	91,586	5.27
91–92	.13906	15,191	2,113	14,135	75,308	4.96
92–93	.15261	13,078	1,996	12,080	61,173	4.68
93–94	.16342	11,082	1,811	10,177	49,093	4.43
94–95	.17219	9,271	1,596	8,473	38,916	4.20
95–96	.18244	7,675	1,400	6,975	30,443	3.97
96–97	.19556	6,275	1,227	5,661	23,468	3.74
97–98	.20946	5,048	1,058	4,519	17,807	3.53
98–99	.22414	3,990	894	3,543	13,288	3.33
99–100	.23758	3,096	736	2,728	9,745	3.15
100–101	.25184	2,360	594	2,064	7,017	2.97
101–102	.26695	1,766	471	1,530	4,953	2.80
102–103	.28297	1,295	367	1,111	3,423	2.64
103–104	.29994	928	278	789	2,312	2.49
104–105	.31794	650	207	547	1,523	2.34
105–106	.33702	443	149	368	976	2.20
106–107	.35724	294	105	242	608	2.07
107–108	.37867	189	72	153	366	1.94
108–109	.40139	117	47	94	213	1.82
109–110	.42548	70	30	55	119	1.70

Table 13. Standard errors of the probability of dying: Michigan, 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	.000154	.000226	.000207	.000149	.000220	.000199	.000454	.000661	.000619	.000485	.000708	.000660
1	.000041	.000058	.000058	.000042	.000060	.000060	.000113	.000162	.000158	.000122	.000175	.000169
2	.000034	.000050	.000046	.000036	.000053	.000049	.000093	.000139	.000124	.000100	.000150	.000133
3	.000029	.000042	.000041	.000031	.000044	.000043	.000081	.000119	.000110	.000089	.000132	.000117
4	.000026	.000038	.000037	.000028	.000040	.000039	.000071	.000103	.000097	.000082	.000119	.000111
5	.000025	.000035	.000035	.000027	.000037	.000038	.000068	.000095	.000096	.000075	.000105	.000106
6	.000024	.000034	.000034	.000025	.000036	.000036	.000065	.000094	.000089	.000072	.000103	.000099
7	.000023	.000033	.000032	.000024	.000035	.000034	.000062	.000093	.000083	.000069	.000102	.000093
8	.000022	.000032	.000030	.000023	.000033	.000033	.000059	.000089	.000077	.000065	.000097	.000087
9	.000021	.000030	.000029	.000022	.000032	.000032	.000054	.000081	.000071	.000059	.000088	.000080
10	.000020	.000028	.000028	.000022	.000030	.000031	.000050	.000075	.000066	.000055	.000081	.000074
11	.000021	.000030	.000028	.000022	.000032	.000031	.000053	.000083	.000065	.000058	.000090	.000073
12	.000024	.000037	.000030	.000025	.000038	.000033	.000066	.000112	.000070	.000073	.000122	.000078
13	.000029	.000048	.000033	.000030	.000047	.000036	.000086	.000150	.000081	.000094	.000165	.000089
14	.000035	.000059	.000037	.000035	.000057	.000040	.000105	.000186	.000093	.000115	.000205	.000101
15	.000040	.000068	.000040	.000040	.000066	.000043	.000120	.000215	.000104	.000132	.000237	.000113
16	.000044	.000075	.000044	.000044	.000073	.000046	.000131	.000236	.000112	.000144	.000260	.000122
17	.000047	.000080	.000046	.000047	.000078	.000049	.000140	.000252	.000119	.000153	.000279	.000129
18	.000048	.000083	.000047	.000048	.000081	.000050	.000146	.000266	.000124	.000161	.000295	.000134
19	.000049	.000085	.000048	.000048	.000082	.000050	.000153	.000280	.000130	.000168	.000312	.000140
20	.000050	.000087	.000048	.000049	.000083	.000050	.000160	.000295	.000136	.000177	.000332	.000146
21	.000050	.000088	.000049	.000049	.000084	.000051	.000167	.000312	.000143	.000186	.000353	.000153
22	.000051	.000089	.000050	.000049	.000085	.000051	.000173	.000325	.000150	.000193	.000370	.000161
23	.000051	.000089	.000051	.000049	.000084	.000052	.000177	.000333	.000155	.000198	.000379	.000168
24	.000051	.000088	.000051	.000049	.000084	.000052	.000178	.000336	.000160	.000200	.000383	.000175
25	.000051	.000087	.000052	.000049	.000083	.000053	.000180	.000338	.000165	.000202	.000385	.000182
26	.000050	.000086	.000053	.000049	.000082	.000054	.000182	.000341	.000171	.000205	.000388	.000190
27	.000050	.000086	.000054	.000049	.000082	.000054	.000184	.000342	.000176	.000206	.000389	.000196
28	.000051	.000086	.000054	.000049	.000082	.000054	.000185	.000342	.000181	.000207	.000389	.000201
29	.000051	.000087	.000054	.000049	.000083	.000054	.000186	.000343	.000186	.000208	.000389	.000206
30	.000051	.000087	.000055	.000050	.000084	.000053	.000187	.000341	.000190	.000208	.000386	.000209
31	.000052	.000088	.000055	.000050	.000086	.000053	.000188	.000341	.000195	.000209	.000385	.000213
32	.000053	.000090	.000056	.000051	.000087	.000054	.000193	.000348	.000202	.000214	.000392	.000221
33	.000054	.000092	.000059	.000052	.000089	.000056	.000202	.000364	.000213	.000224	.000410	.000234
34	.000057	.000095	.000062	.000054	.000091	.000059	.000214	.000386	.000227	.000239	.000436	.000250
35	.000059	.000099	.000066	.000056	.000093	.000063	.000229	.000412	.000243	.000255	.000465	.000268
36	.000062	.000103	.000070	.000059	.000096	.000067	.000243	.000437	.000258	.000271	.000493	.000286
37	.000065	.000107	.000074	.000061	.000100	.000071	.000255	.000460	.000272	.000285	.000518	.000302
38	.000067	.000111	.000078	.000063	.000103	.000074	.000265	.000476	.000284	.000297	.000536	.000315
39	.000070	.000114	.000081	.000066	.000106	.000077	.000273	.000489	.000294	.000306	.000550	.000327
40	.000072	.000118	.000084	.000068	.000110	.000081	.000282	.000501	.000305	.000315	.000563	.000340
41	.000075	.000122	.000088	.000071	.000115	.000085	.000292	.000517	.000318	.000327	.000580	.000354
42	.000079	.000128	.000093	.000075	.000121	.000090	.000304	.000537	.000333	.000341	.000603	.000371
43	.000083	.000135	.000098	.000080	.000128	.000097	.000321	.000564	.000352	.000360	.000634	.000393
44	.000089	.000144	.000105	.000086	.000137	.000104	.000342	.000598	.000376	.000383	.000674	.000418
45	.000095	.000154	.000114	.000093	.000148	.000113	.000367	.000640	.000405	.000412	.000721	.000449
46	.000103	.000165	.000123	.000101	.000160	.000123	.000395	.000684	.000437	.000442	.000773	.000484
47	.000110	.000177	.000133	.000109	.000173	.000133	.000424	.000731	.000472	.000474	.000826	.000521
48	.000118	.000189	.000142	.000117	.000185	.000144	.000452	.000776	.000506	.000504	.000877	.000556
49	.000125	.000201	.000152	.000125	.000197	.000154	.000478	.000819	.000539	.000531	.000925	.000589
50	.000134	.000213	.000163	.000134	.000211	.000166	.000506	.000867	.000575	.000560	.000977	.000623
51	.000143	.000228	.000175	.000144	.000227	.000178	.000538	.000920	.000615	.000592	.001036	.000662
52	.000153	.000243	.000187	.000154	.000243	.000191	.000569	.000973	.000654	.000624	.001092	.000702
53	.000162	.000259	.000199	.000164	.000260	.000204	.000597	.001020	.000690	.000653	.001139	.000740
54	.000172	.000275	.000211	.000175	.000277	.000216	.000622	.001061	.000723	.000679	.001178	.000775
55	.000181	.000290	.000222	.000185	.000294	.000228	.000645	.001097	.000752	.000701	.001209	.000807
56	.000191	.000307	.000234	.000196	.000312	.000241	.000668	.001135	.000782	.000722	.001241	.000838
57	.000201	.000324	.000245	.000206	.000331	.000253	.000694	.001179	.000815	.000747	.001278	.000871
58	.000210	.000340	.000255	.000216	.000348	.000263	.000726	.001232	.000853	.000776	.001324	.000909
59	.000219	.000355	.000264	.000225	.000364	.000272	.000761	.001291	.000895	.000809	.001376	.000951

Table 13. Standard errors of the probability of dying: Michigan, 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	.000226	.000369	.000272	.000233	.000378	.000279	.000795	.001349	.000935	.000841	.001426	.000992
61	.000234	.000382	.000280	.000240	.000391	.000287	.000827	.001403	.000974	.000871	.001472	.001030
62	.000243	.000397	.000290	.000250	.000408	.000298	.000859	.001456	.001013	.000902	.001522	.001070
63	.000254	.000417	.000303	.000262	.000429	.000312	.000893	.001511	.001057	.000936	.001576	.001112
64	.000267	.000441	.000318	.000276	.000455	.000328	.000930	.001570	.001104	.000972	.001637	.001156
65	.000281	.000468	.000334	.000291	.000484	.000345	.000967	.001628	.001152	.001010	.001699	.001202
66	.000296	.000495	.000350	.000307	.000514	.000362	.001007	.001691	.001203	.001049	.001765	.001251
67	.000312	.000526	.000368	.000324	.000547	.000381	.001055	.001773	.001261	.001097	.001849	.001307
68	.000331	.000562	.000389	.000344	.000585	.000403	.001117	.001886	.001331	.001159	.001963	.001377
69	.000353	.000603	.000413	.000367	.000628	.000429	.001194	.002034	.001416	.001237	.002111	.001462
70	.000378	.000651	.000440	.000393	.000678	.000457	.001289	.002220	.001516	.001331	.002295	.001562
71	.000406	.000706	.000471	.000422	.000735	.000489	.001395	.002430	.001628	.001438	.002505	.001676
72	.000435	.000764	.000503	.000453	.000795	.000523	.001504	.002649	.001746	.001549	.002726	.001797
73	.000466	.000824	.000536	.000485	.000858	.000558	.001604	.002846	.001858	.001652	.002927	.001915
74	.000496	.000884	.000571	.000518	.000923	.000594	.001692	.003015	.001963	.001745	.003105	.002027
75	.000529	.000949	.000607	.000553	.000993	.000633	.001778	.003184	.002065	.001837	.003284	.002138
76	.000565	.001023	.000648	.000592	.001072	.000676	.001877	.003383	.002180	.001943	.003495	.002260
77	.000606	.001106	.000694	.000636	.001161	.000725	.001998	.003615	.002322	.002069	.003740	.002409
78	.000655	.001204	.000748	.000687	.001265	.000783	.002157	.003907	.002514	.002233	.004046	.002606
79	.000711	.001320	.000812	.000745	.001387	.000849	.002364	.004272	.002767	.002445	.004428	.002862
80	.000777	.001459	.000886	.000813	.001534	.000923	.002626	.004724	.003091	.002714	.004904	.003190
81	.000852	.001622	.000968	.000890	.001705	.001007	.002930	.005242	.003470	.003026	.005455	.003572
82	.000935	.001803	.001060	.000976	.001897	.001101	.003247	.005788	.003864	.003351	.006031	.003969
83	.001025	.001992	.001162	.001071	.002101	.001209	.003524	.006280	.004202	.003629	.006532	.004307
84	.001122	.002191	.001276	.001176	.002318	.001331	.003746	.006692	.004467	.003847	.006928	.004570
85	.001231	.002412	.001405	.001296	.002564	.001472	.003942	.007074	.004694	.004037	.007283	.004798
86	.001360	.002680	.001554	.001438	.002864	.001635	.004191	.007539	.004989	.004278	.007720	.005094
87	.001513	.003003	.001728	.001603	.003222	.001823	.004541	.008204	.005401	.004624	.008369	.005509
88	.001698	.003409	.001936	.001800	.003660	.002043	.005089	.009269	.006034	.005175	.009445	.006149
89	.001927	.003929	.002190	.002037	.004206	.002305	.005906	.010913	.006963	.006003	.011133	.007085
90	.002222	.004620	.002514	.002339	.004916	.002637	.007089	.013432	.008270	.007202	.013738	.008398
91	.002598	.005534	.002921	.002722	.005845	.003054	.008692	.017154	.009979	.008821	.017590	.010107
92	.003053	.006699	.003407	.003184	.007017	.003550	.010757	.022571	.012088	.010901	.023215	.012207
93	.003558	.008028	.003946	.003704	.008368	.004108	.012843	.028598	.014188	.012992	.029403	.014304
94	.004099	.009396	.004532	.004275	.009813	.004726	.014450	.032695	.015925	.014599	.033389	.016065
95	.004507	.010085	.005018	.004728	.010638	.005258	.014794	.031566	.016553	.014966	.031671	.016912
96	.005355	.012038	.005959	.005625	.012754	.006247	.017240	.036040	.019520	.017504	.036067	.020075
97	.006431	.014562	.007148	.006765	.015491	.007501	.020355	.042444	.023199	.020500	.042507	.023593
98	.007847	.018046	.008711	.008283	.019211	.009174	.024007	.052169	.027127	.024049	.052038	.027446
99	.009529	.022371	.010515	.010093	.024003	.011100	.028078	.060205	.031854	.028096	.059969	.032191
100	.011812	.028025	.012999	.012585	.030302	.013798	.032830	.071021	.037105	.033182	.072440	.037709
101	.014926	.035597	.016405	.016003	.038752	.017523	.039301	.086106	.044207	.039159	.086771	.044274
102	.019257	.046389	.021115	.020796	.051159	.022691	.047995	.103965	.054160	.047917	.103803	.054531
103	.025447	.061270	.027912	.027757	.068734	.030250	.059424	.126474	.067412	.059109	.127118	.067388
104	.033205	.083162	.036114	.037014	.097011	.039892	.069184	.149058	.078137	.069038	.147835	.078775
105	.043101	.108674	.046831	.049054	.130685	.052740	.082550	.179737	.092899	.081617	.181978	.092003
106	.059256	.143110	.064996	.070279	.195327	.075073	.100030	.191206	.117880	.096872	.182558	.115604
107	.076430	.186772	.083648	.091139	.231803	.098937	.127695	.290027	.141977	.125986	.277310	.142462
108	.108640	.249669	.120599	.138038	.363146	.149000	.159819	.314252	.185903	.157039	.306598	.184413
109	.149341	.323370	.168379	.195004	.535446	.209132	.211520	.371569	.258279	.208475	.376542	.252477

Table 14. Standard errors of the average remaining lifetime: Michigan, 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	.030	.042	.041	.031	.044	.043	.086	.121	.118	.091	.128	.124
1	.028	.040	.038	.029	.041	.040	.082	.115	.111	.086	.123	.116
2	.028	.039	.038	.029	.041	.040	.081	.115	.110	.086	.122	.116
3	.028	.039	.037	.029	.041	.039	.081	.115	.110	.086	.122	.115
4	.028	.039	.037	.029	.041	.039	.081	.115	.110	.086	.122	.115
5	.028	.039	.037	.029	.041	.039	.081	.115	.109	.085	.122	.115
6	.028	.039	.037	.029	.041	.039	.081	.114	.109	.085	.122	.115
7	.028	.039	.037	.029	.041	.039	.081	.114	.109	.085	.121	.114
8	.028	.039	.037	.029	.040	.039	.081	.114	.109	.085	.121	.114
9	.028	.039	.037	.029	.040	.039	.080	.114	.109	.085	.121	.114
10	.028	.039	.037	.029	.040	.039	.080	.114	.109	.085	.121	.114
11	.027	.039	.037	.029	.040	.039	.080	.114	.109	.085	.121	.114
12	.027	.039	.037	.029	.040	.039	.080	.114	.109	.085	.121	.114
13	.027	.039	.037	.029	.040	.039	.080	.114	.109	.085	.121	.114
14	.027	.039	.037	.029	.040	.039	.080	.114	.109	.085	.121	.114
15	.027	.039	.037	.028	.040	.038	.080	.113	.108	.085	.121	.114
16	.027	.038	.037	.028	.040	.038	.080	.113	.108	.084	.120	.113
17	.027	.038	.037	.028	.040	.038	.080	.113	.108	.084	.120	.113
18	.027	.038	.036	.028	.039	.038	.079	.112	.108	.084	.119	.113
19	.027	.038	.036	.028	.039	.038	.079	.112	.108	.084	.119	.113
20	.027	.038	.036	.028	.039	.038	.079	.112	.108	.083	.118	.113
21	.027	.037	.036	.028	.039	.038	.079	.111	.108	.083	.118	.113
22	.027	.037	.036	.028	.039	.038	.078	.110	.107	.083	.117	.112
23	.026	.037	.036	.028	.038	.038	.078	.110	.107	.082	.117	.112
24	.026	.037	.036	.028	.038	.038	.078	.109	.107	.082	.116	.112
25	.026	.036	.036	.027	.038	.037	.078	.109	.107	.082	.115	.112
26	.026	.036	.036	.027	.038	.037	.077	.108	.107	.081	.115	.111
27	.026	.036	.036	.027	.038	.037	.077	.108	.106	.081	.114	.111
28	.026	.036	.036	.027	.038	.037	.077	.107	.106	.081	.113	.111
29	.026	.036	.035	.027	.037	.037	.076	.107	.106	.080	.113	.111
30	.026	.036	.035	.027	.037	.037	.076	.106	.106	.080	.112	.110
31	.026	.036	.035	.027	.037	.037	.076	.106	.105	.080	.112	.110
32	.026	.035	.035	.027	.037	.037	.076	.105	.105	.080	.111	.110
33	.026	.035	.035	.027	.037	.037	.076	.105	.105	.080	.111	.110
34	.025	.035	.035	.027	.037	.037	.075	.105	.105	.079	.111	.110
35	.025	.035	.035	.027	.037	.037	.075	.104	.105	.079	.110	.109
36	.025	.035	.035	.027	.036	.037	.075	.104	.104	.079	.110	.109
37	.025	.035	.035	.026	.036	.037	.075	.104	.104	.079	.109	.109
38	.025	.035	.035	.026	.036	.036	.075	.103	.104	.078	.109	.108
39	.025	.034	.035	.026	.036	.036	.074	.103	.104	.078	.108	.108
40	.025	.034	.034	.026	.036	.036	.074	.102	.103	.078	.108	.108
41	.025	.034	.034	.026	.036	.036	.074	.102	.103	.077	.107	.107
42	.025	.034	.034	.026	.036	.036	.074	.102	.103	.077	.107	.107
43	.025	.034	.034	.026	.036	.036	.073	.101	.103	.077	.106	.107
44	.025	.034	.034	.026	.035	.036	.073	.101	.102	.077	.106	.106
45	.024	.034	.034	.026	.035	.036	.073	.100	.102	.076	.105	.106
46	.024	.033	.034	.026	.035	.035	.073	.100	.101	.076	.105	.105
47	.024	.033	.034	.025	.035	.035	.072	.099	.101	.075	.104	.105
48	.024	.033	.033	.025	.035	.035	.072	.098	.100	.075	.103	.104
49	.024	.033	.033	.025	.034	.035	.071	.098	.100	.074	.102	.103
50	.024	.032	.033	.025	.034	.035	.071	.097	.099	.074	.101	.103
51	.023	.032	.033	.025	.034	.034	.070	.096	.098	.073	.100	.102
52	.023	.032	.032	.025	.034	.034	.069	.095	.098	.072	.099	.101
53	.023	.032	.032	.024	.033	.034	.069	.094	.097	.071	.098	.100
54	.023	.031	.032	.024	.033	.033	.068	.093	.096	.071	.096	.099
55	.023	.031	.031	.024	.033	.033	.067	.092	.095	.070	.095	.098
56	.022	.030	.031	.024	.032	.033	.067	.091	.094	.069	.094	.097
57	.022	.030	.031	.023	.032	.032	.066	.090	.094	.068	.093	.096
58	.022	.030	.030	.023	.031	.032	.066	.089	.093	.068	.092	.095
59	.022	.029	.030	.023	.031	.031	.065	.088	.092	.067	.091	.094

Table 14. Standard errors of the average remaining lifetime: Michigan, 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	.021	.029	.029	.023	.031	.031	.064	.087	.091	.066	.090	.094
61	.021	.029	.029	.022	.030	.031	.064	.087	.090	.066	.089	.093
62	.021	.028	.029	.022	.030	.030	.064	.086	.090	.065	.088	.092
63	.021	.028	.028	.022	.030	.030	.063	.085	.089	.065	.088	.091
64	.020	.028	.028	.022	.030	.030	.063	.085	.089	.065	.087	.091
65	.020	.028	.028	.021	.029	.029	.063	.085	.088	.064	.087	.090
66	.020	.028	.028	.021	.029	.029	.062	.085	.088	.064	.087	.090
67	.020	.027	.027	.021	.029	.029	.062	.085	.087	.064	.087	.089
68	.020	.027	.027	.021	.029	.028	.062	.085	.087	.064	.087	.089
69	.020	.027	.027	.021	.029	.028	.062	.086	.087	.064	.088	.089
70	.019	.027	.026	.021	.028	.028	.063	.086	.087	.064	.088	.089
71	.019	.027	.026	.020	.028	.028	.063	.087	.087	.064	.089	.089
72	.019	.027	.026	.020	.028	.027	.063	.087	.086	.064	.089	.088
73	.019	.027	.026	.020	.028	.027	.063	.088	.086	.064	.090	.088
74	.019	.027	.025	.020	.028	.027	.063	.088	.086	.065	.090	.088
75	.019	.027	.025	.020	.028	.026	.063	.089	.086	.065	.091	.088
76	.019	.027	.025	.020	.028	.026	.064	.090	.087	.065	.092	.088
77	.019	.027	.025	.020	.028	.026	.064	.091	.087	.066	.094	.089
78	.019	.027	.025	.020	.028	.026	.065	.093	.088	.067	.096	.090
79	.019	.028	.025	.020	.029	.026	.066	.095	.089	.068	.098	.091
80	.019	.028	.025	.020	.029	.026	.067	.097	.090	.069	.100	.092
81	.019	.028	.024	.020	.030	.025	.068	.099	.091	.070	.102	.093
82	.019	.029	.024	.020	.030	.025	.070	.102	.092	.071	.105	.094
83	.019	.029	.025	.020	.031	.025	.071	.104	.093	.073	.107	.095
84	.019	.030	.025	.020	.031	.026	.072	.107	.095	.074	.110	.097
85	.020	.031	.025	.021	.032	.026	.074	.110	.096	.076	.113	.099
86	.020	.032	.025	.021	.034	.026	.076	.115	.099	.078	.118	.101
87	.021	.034	.026	.021	.035	.027	.079	.121	.102	.081	.124	.104
88	.021	.035	.026	.022	.037	.027	.083	.128	.105	.085	.132	.108
89	.022	.038	.027	.023	.039	.028	.087	.138	.110	.090	.142	.112
90	.023	.040	.028	.024	.042	.029	.093	.150	.116	.095	.155	.118
91	.024	.043	.029	.025	.045	.030	.099	.165	.122	.101	.170	.124
92	.026	.047	.031	.027	.049	.032	.105	.182	.128	.108	.187	.131
93	.027	.051	.032	.028	.053	.033	.111	.198	.134	.114	.203	.137
94	.029	.055	.034	.030	.057	.035	.116	.208	.140	.119	.213	.143
95	.031	.060	.037	.032	.062	.038	.121	.214	.146	.124	.218	.149
96	.035	.067	.040	.036	.070	.042	.131	.233	.156	.134	.237	.160
97	.039	.077	.045	.040	.080	.046	.142	.257	.169	.145	.262	.172
98	.044	.089	.050	.046	.094	.052	.154	.285	.182	.157	.290	.185
99	.050	.103	.057	.052	.110	.060	.168	.312	.198	.171	.319	.201
100	.058	.121	.066	.061	.131	.069	.184	.346	.216	.187	.355	.219
101	.068	.145	.077	.072	.159	.082	.203	.388	.239	.206	.395	.241
102	.080	.176	.091	.087	.197	.097	.227	.433	.266	.230	.439	.269
103	.096	.215	.108	.106	.247	.118	.252	.484	.296	.255	.490	.298
104	.115	.264	.129	.130	.315	.143	.276	.534	.324	.278	.537	.326
105	.139	.319	.156	.160	.399	.176	.308	.593	.363	.308	.596	.362
106	.171	.387	.191	.203	.514	.222	.349	.652	.415	.347	.637	.413
107	.206	.465	.231	.250	.618	.274	.401	.795	.469	.401	.780	.470
108	.253	.555	.286	.321	.829	.350	.451	.812	.543	.450	.812	.539
109	.285	.608	.324	.373	1.006	.404	.490	.839	.603	.489	.856	.592

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DHHS Publication No. (PHS) 98-1151-23
8-0328 (4/98)