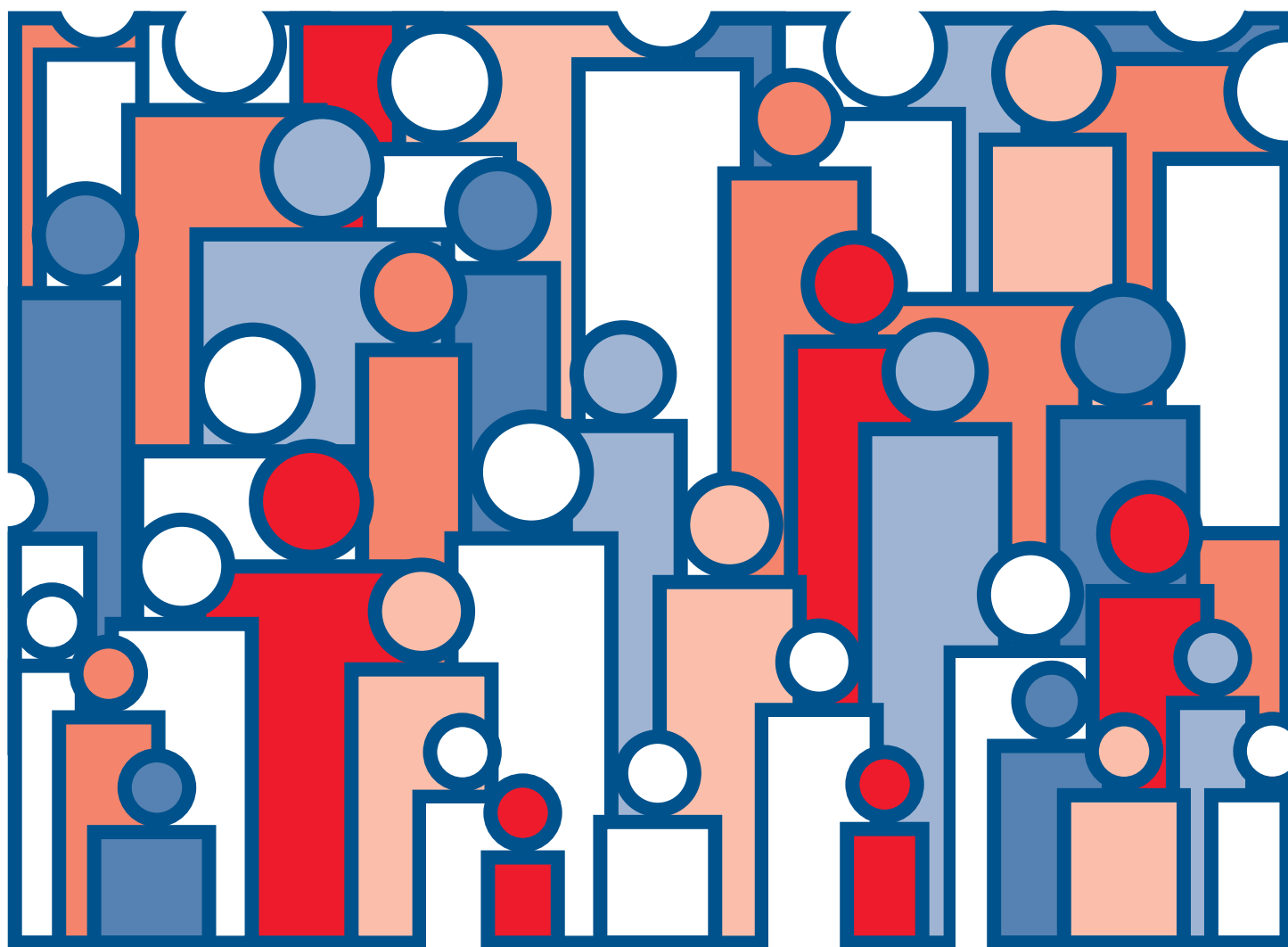




U.S. Decennial Life Tables for 1989-91

Volume II, State Life Tables Number 39, Pennsylvania

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



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



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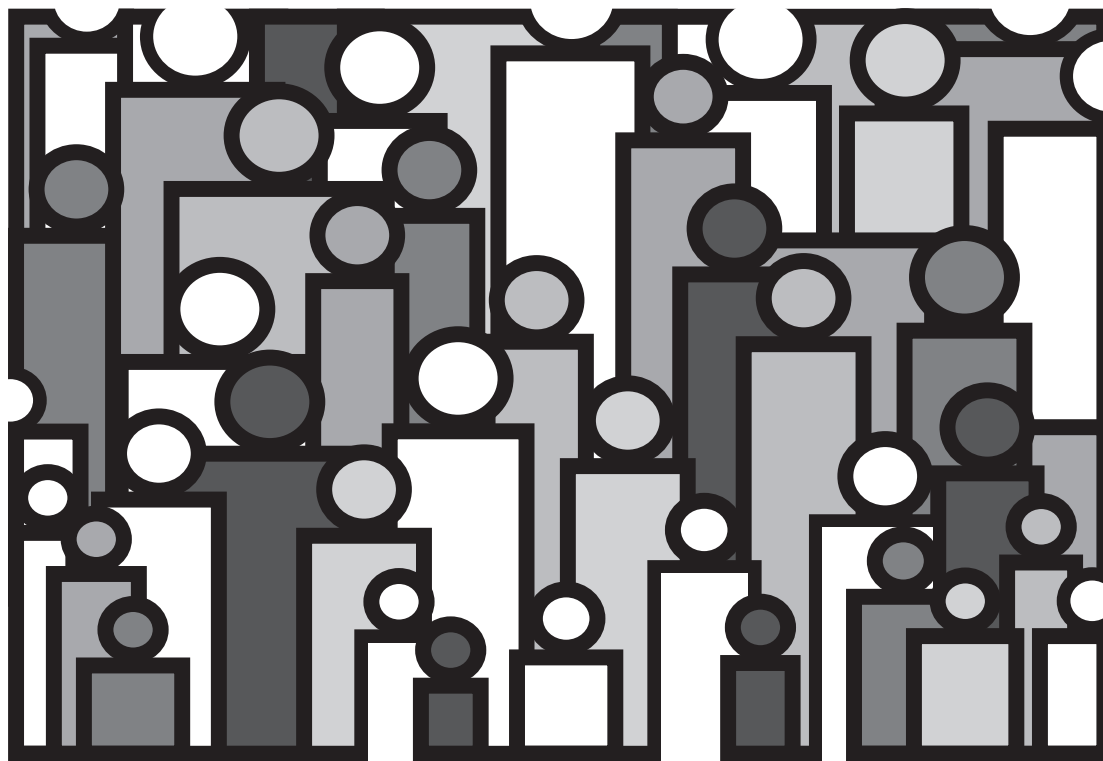
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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

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Pennsylvania Life Tables: 1989–91

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Abstract

The life tables in this report are current life tables for Pennsylvania 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 Pennsylvania 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 Pennsylvania based on age-specific death rates for the period 1989–91. With the exception of those aged 95 years and over (and to a lesser extent those aged 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 Pennsylvania 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: Pennsylvania • 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 Pennsylvania that occurred anywhere in the United States during the 3 years of 1989, 1990, and 1991 and on the 1990 census of population for Pennsylvania. 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 Pennsylvania 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 Pennsylvania, the expectation of life at birth is 71.91 years for total males and 78.66 years for total females. Among the 50 States and the District of Columbia in the expectation of life at birth for the total population, Pennsylvania ranks 28th.

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 Pennsylvania 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 0.00319 with a standard error of 0.000140. Therefore, the 68 percent confidence interval is from 0.00305 to 0.00333 and the 95 percent confidence interval is from 0.00291 to 0.00347. The life expectancy of a 50-year-old white female is 31.38 years with a standard error of 0.027 years. The 68 percent confidence interval for the life expectancy is therefore from 31.35 to 31.41 years and the 95 percent confidence interval is from 31.33 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 Pennsylvania. For example, for females who reach age 21, the proportion dying before reaching their 22d birthday is 0.00045—out of every 1,000 female babies surviving to age 21, 0.45 will die before reaching their 22d birthday.

Column 3—Number surviving (l_x)—This column shows the number of persons, starting with a cohort of 100,000 live births, who will survive to the birthday marking the beginning of the indicated year of age. Thus out of 100,000 female babies born alive in the cohort of [table 3](#), 99,152 will complete the first year of life and enter the second, 98,635 will reach age 21, and 68,856 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, 848 will die in the first year of life, 44 in the 22d year, and 2,323 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 females 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 98,613. 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 98,613 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 5,788,249 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 7,865,607.

Column 7—Average remaining lifetime (e_x)—The average remaining lifetime (also called expectation of life) at any given age is the average number of years remaining to be lived by those surviving to that age, on the basis of a given set of age-specific rates of dying. In order to relate these figures to the preceding columns of the life table, it is necessary to observe that the figures in column 5 of the life tables can also be interpreted in terms of a single life-table cohort without introducing the concept of the stationary population. From this point of view, each figure in column 5 represents the total time in years lived between two indicated birthdays by all those reaching the younger age among the survivors of a cohort of 100,000 live births. Thus the figure of 98,613 for females in Pennsylvania in the year of age 21–22 is the total number of years of life lived between their 21st and 22d birthdays by the 98,635 (column 3) who reached their 21st birthday out of the original cohort of 100,000 females born alive. The corresponding figure (5,788,249) in column 6 is the total number of years lived after attaining age 21 by the 98,635 reaching that exact age. This number of years divided by the number of persons (5,788,249 divided by 98,635) gives 58.68 years as the average remaining lifetime at age 21 for females in Pennsylvania.

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: Pennsylvania, 1989–91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
0–1	.00963	100,000	963	99,216	7,538,109	75.38
1–2	.00066	99,037	66	99,004	7,438,893	75.11
2–3	.00043	98,971	43	98,950	7,339,889	74.16
3–4	.00034	98,928	33	98,912	7,240,939	73.19
4–5	.00029	98,895	29	98,880	7,142,027	72.22
5–6	.00026	98,866	25	98,853	7,043,147	71.24
6–7	.00023	98,841	23	98,830	6,944,294	70.26
7–8	.00021	98,818	21	98,807	6,845,464	69.27
8–9	.00019	98,797	19	98,787	6,746,657	68.29
9–10	.00016	98,778	16	98,770	6,647,870	67.30
10–11	.00015	98,762	15	98,755	6,549,100	66.31
11–12	.00015	98,747	14	98,740	6,450,345	65.32
12–13	.00019	98,733	19	98,723	6,351,605	64.33
13–14	.00027	98,714	26	98,701	6,252,882	63.34
14–15	.00038	98,688	37	98,670	6,154,181	62.36
15–16	.00049	98,651	49	98,626	6,055,511	61.38
16–17	.00060	98,602	59	98,573	5,956,885	60.41
17–18	.00069	98,543	69	98,509	5,858,312	59.45
18–19	.00077	98,474	75	98,436	5,759,803	58.49
19–20	.00083	98,399	82	98,359	5,661,367	57.53
20–21	.00089	98,317	87	98,273	5,563,008	56.58
21–22	.00095	98,230	93	98,184	5,464,735	55.63
22–23	.00100	98,137	98	98,088	5,366,551	54.68
23–24	.00103	98,039	101	97,989	5,268,463	53.74
24–25	.00105	97,938	103	97,886	5,170,474	52.79
25–26	.00107	97,835	105	97,783	5,072,588	51.85
26–27	.00110	97,730	107	97,676	4,974,805	50.90
27–28	.00113	97,623	110	97,568	4,877,129	49.96
28–29	.00116	97,513	114	97,456	4,779,561	49.01
29–30	.00121	97,399	117	97,340	4,682,105	48.07
30–31	.00125	97,282	122	97,221	4,584,765	47.13
31–32	.00129	97,160	125	97,098	4,487,544	46.19
32–33	.00134	97,035	130	96,970	4,390,446	45.25
33–34	.00139	96,905	135	96,837	4,293,476	44.31
34–35	.00146	96,770	141	96,699	4,196,639	43.37
35–36	.00153	96,629	148	96,555	4,099,940	42.43
36–37	.00161	96,481	155	96,404	4,003,385	41.49
37–38	.00169	96,326	163	96,244	3,906,981	40.56
38–39	.00179	96,163	172	96,077	3,810,737	39.63
39–40	.00189	95,991	181	95,901	3,714,660	38.70
40–41	.00200	95,810	192	95,713	3,618,759	37.77
41–42	.00213	95,618	204	95,516	3,523,046	36.85
42–43	.00229	95,414	219	95,304	3,427,530	35.92
43–44	.00249	95,195	237	95,077	3,332,226	35.00
44–45	.00273	94,958	259	94,828	3,237,149	34.09
45–46	.00303	94,699	287	94,555	3,142,321	33.18
46–47	.00337	94,412	318	94,253	3,047,766	32.28
47–48	.00373	94,094	351	93,918	2,953,513	31.39
48–49	.00408	93,743	383	93,552	2,859,595	30.50
49–50	.00444	93,360	414	93,153	2,766,043	29.63
50–51	.00485	92,946	451	92,721	2,672,890	28.76
51–52	.00535	92,495	494	92,248	2,580,169	27.90
52–53	.00587	92,001	540	91,731	2,487,921	27.04
53–54	.00640	91,461	585	91,168	2,396,190	26.20
54–55	.00696	90,876	633	90,559	2,305,022	25.36

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55–56	.00754	90,243	680	89,903	2,214,463	24.54
56–57	.00821	89,563	735	89,196	2,124,560	23.72
57–58	.00905	88,828	804	88,426	2,035,364	22.91
58–59	.01008	88,024	887	87,581	1,946,938	22.12
59–60	.01122	87,137	978	86,648	1,859,357	21.34
60–61	.01237	86,159	1,066	85,626	1,772,709	20.57
61–62	.01350	85,093	1,148	84,519	1,687,083	19.83
62–63	.01466	83,945	1,231	83,330	1,602,564	19.09
63–64	.01590	82,714	1,315	82,057	1,519,234	18.37
64–65	.01724	81,399	1,403	80,697	1,437,177	17.66
65–66	.01864	79,996	1,491	79,251	1,356,480	16.96
66–67	.02011	78,505	1,578	77,716	1,277,229	16.27
67–68	.02176	76,927	1,674	76,090	1,199,513	15.59
68–69	.02367	75,253	1,781	74,362	1,123,423	14.93
69–70	.02586	73,472	1,900	72,523	1,049,061	14.28
70–71	.02831	71,572	2,026	70,558	976,538	13.64
71–72	.03098	69,546	2,155	68,469	905,980	13.03
72–73	.03387	67,391	2,282	66,249	837,511	12.43
73–74	.03690	65,109	2,403	63,908	771,262	11.85
74–75	.04007	62,706	2,513	61,449	707,354	11.28
75–76	.04344	60,193	2,615	58,886	645,905	10.73
76–77	.04712	57,578	2,713	56,222	587,019	10.20
77–78	.05114	54,865	2,805	53,463	530,797	9.67
78–79	.05562	52,060	2,896	50,611	477,334	9.17
79–80	.06067	49,164	2,983	47,673	426,723	8.68
80–81	.06648	46,181	3,070	44,646	379,050	8.21
81–82	.07292	43,111	3,144	41,539	334,404	7.76
82–83	.07971	39,967	3,185	38,375	292,865	7.33
83–84	.08650	36,782	3,182	35,191	254,490	6.92
84–85	.09335	33,600	3,137	32,032	219,299	6.53
85–86	.10064	30,463	3,065	28,930	187,267	6.15
86–87	.10923	27,398	2,993	25,901	158,337	5.78
87–88	.11878	24,405	2,899	22,956	132,436	5.43
88–89	.12926	21,506	2,780	20,116	109,480	5.09
89–90	.14074	18,726	2,636	17,408	89,364	4.77
90–91	.15370	16,090	2,473	14,854	71,956	4.47
91–92	.16799	13,617	2,287	12,473	57,102	4.19
92–93	.18252	11,330	2,068	10,296	44,629	3.94
93–94	.19663	9,262	1,821	8,351	34,333	3.71
94–95	.21057	7,441	1,567	6,657	25,982	3.49
95–96	.22502	5,874	1,322	5,213	19,325	3.29
96–97	.24126	4,552	1,098	4,004	14,112	3.10
97–98	.25689	3,454	887	3,010	10,108	2.93
98–99	.27175	2,567	698	2,218	7,098	2.77
99–100	.28751	1,869	537	1,600	4,880	2.61
100–101	.30418	1,332	405	1,129	3,280	2.46
101–102	.32182	927	299	778	2,151	2.32
102–103	.34049	628	214	521	1,373	2.19
103–104	.36024	414	149	340	852	2.05
104–105	.38113	265	101	215	512	1.93
105–106	.40324	164	66	131	297	1.81
106–107	.42663	98	42	77	166	1.70
107–108	.45137	56	25	43	89	1.59
108–109	.47755	31	15	24	46	1.49
109–110	.50525	16	8	12	22	1.39

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0–1	.01072	100,000	1,072	99,125	7,190,542	71.91
1–2	.00077	98,928	76	98,890	7,091,417	71.68
2–3	.00049	98,852	49	98,828	6,992,527	70.74
3–4	.00040	98,803	39	98,784	6,893,699	69.77
4–5	.00034	98,764	33	98,748	6,794,915	68.80
5–6	.00030	98,731	30	98,716	6,696,167	67.82
6–7	.00028	98,701	27	98,688	6,597,451	66.84
7–8	.00025	98,674	25	98,661	6,498,763	65.86
8–9	.00023	98,649	22	98,638	6,400,102	64.88
9–10	.00020	98,627	20	98,617	6,301,464	63.89
10–11	.00017	98,607	17	98,599	6,202,847	62.90
11–12	.00018	98,590	17	98,581	6,104,248	61.92
12–13	.00023	98,573	23	98,562	6,005,667	60.93
13–14	.00036	98,550	36	98,532	5,907,105	59.94
14–15	.00053	98,514	52	98,488	5,808,573	58.96
15–16	.00071	98,462	69	98,428	5,710,085	57.99
16–17	.00087	98,393	86	98,350	5,611,657	57.03
17–18	.00102	98,307	101	98,256	5,513,307	56.08
18–19	.00114	98,206	112	98,150	5,415,051	55.14
19–20	.00124	98,094	121	98,034	5,316,901	54.20
20–21	.00134	97,973	132	97,907	5,218,867	53.27
21–22	.00144	97,841	141	97,771	5,120,960	52.34
22–23	.00152	97,700	148	97,625	5,023,189	51.41
23–24	.00158	97,552	154	97,475	4,925,564	50.49
24–25	.00161	97,398	157	97,320	4,828,089	49.57
25–26	.00164	97,241	159	97,161	4,730,769	48.65
26–27	.00166	97,082	161	97,002	4,633,608	47.73
27–28	.00170	96,921	165	96,838	4,536,606	46.81
28–29	.00174	96,756	168	96,672	4,439,768	45.89
29–30	.00179	96,588	173	96,501	4,343,096	44.97
30–31	.00184	96,415	177	96,326	4,246,595	44.05
31–32	.00188	96,238	182	96,147	4,150,269	43.13
32–33	.00194	96,056	186	95,963	4,054,122	42.21
33–34	.00200	95,870	192	95,774	3,958,159	41.29
34–35	.00208	95,678	199	95,579	3,862,385	40.37
35–36	.00217	95,479	207	95,376	3,766,806	39.45
36–37	.00226	95,272	215	95,164	3,671,430	38.54
37–38	.00237	95,057	226	94,944	3,576,266	37.62
38–39	.00247	94,831	234	94,714	3,481,322	36.71
39–40	.00259	94,597	245	94,475	3,386,608	35.80
40–41	.00271	94,352	256	94,224	3,292,133	34.89
41–42	.00286	94,096	269	93,961	3,197,909	33.99
42–43	.00305	93,827	286	93,685	3,103,948	33.08
43–44	.00328	93,541	307	93,387	3,010,263	32.18
44–45	.00359	93,234	334	93,067	2,916,876	31.29
45–46	.00396	92,900	368	92,716	2,823,809	30.40
46–47	.00438	92,532	405	92,330	2,731,093	29.52
47–48	.00484	92,127	446	91,904	2,638,763	28.64
48–49	.00528	91,681	484	91,439	2,546,859	27.78
49–50	.00573	91,197	522	90,936	2,455,420	26.92
50–51	.00625	90,675	567	90,391	2,364,484	26.08
51–52	.00688	90,108	621	89,798	2,274,093	25.24
52–53	.00754	89,487	674	89,150	2,184,295	24.41
53–54	.00820	88,813	729	88,448	2,095,145	23.59
54–55	.00890	88,084	784	87,692	2,006,697	22.78

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55-56	.00961	87,300	839	86,881	1,919,005	21.98
56-57	.01044	86,461	902	86,010	1,832,124	21.19
57-58	.01154	85,559	987	85,066	1,746,114	20.41
58-59	.01296	84,572	1,097	84,023	1,661,048	19.64
59-60	.01458	83,475	1,216	82,867	1,577,025	18.89
60-61	.01621	82,259	1,334	81,592	1,494,158	18.16
61-62	.01777	80,925	1,438	80,207	1,412,566	17.46
62-63	.01935	79,487	1,538	78,718	1,332,359	16.76
63-64	.02098	77,949	1,635	77,131	1,253,641	16.08
64-65	.02273	76,314	1,735	75,447	1,176,510	15.42
65-66	.02454	74,579	1,830	73,664	1,101,063	14.76
66-67	.02646	72,749	1,925	71,786	1,027,399	14.12
67-68	.02866	70,824	2,030	69,809	955,613	13.49
68-69	.03127	68,794	2,151	67,719	885,804	12.88
69-70	.03430	66,643	2,286	65,499	818,085	12.28
70-71	.03771	64,357	2,427	63,144	752,586	11.69
71-72	.04141	61,930	2,564	60,648	689,442	11.13
72-73	.04536	59,366	2,693	58,020	628,794	10.59
73-74	.04943	56,673	2,801	55,272	570,774	10.07
74-75	.05361	53,872	2,888	52,428	515,502	9.57
75-76	.05811	50,984	2,963	49,502	463,074	9.08
76-77	.06309	48,021	3,030	46,506	413,572	8.61
77-78	.06842	44,991	3,078	43,452	367,066	8.16
78-79	.07418	41,913	3,109	40,358	323,614	7.72
79-80	.08053	38,804	3,125	37,242	283,256	7.30
80-81	.08800	35,679	3,140	34,109	246,014	6.90
81-82	.09656	32,539	3,142	30,968	211,905	6.51
82-83	.10550	29,397	3,101	27,846	180,937	6.15
83-84	.11401	26,296	2,998	24,797	153,091	5.82
84-85	.12196	23,298	2,842	21,877	128,294	5.51
85-86	.13004	20,456	2,660	19,126	106,417	5.20
86-87	.13977	17,796	2,487	16,553	87,291	4.91
87-88	.15051	15,309	2,304	14,156	70,738	4.62
88-89	.16224	13,005	2,110	11,950	56,582	4.35
89-90	.17483	10,895	1,905	9,942	44,632	4.10
90-91	.18821	8,990	1,692	8,145	34,690	3.86
91-92	.20242	7,298	1,477	6,559	26,545	3.64
92-93	.21716	5,821	1,264	5,189	19,986	3.43
93-94	.23196	4,557	1,057	4,028	14,797	3.25
94-95	.24633	3,500	862	3,069	10,769	3.08
95-96	.26004	2,638	686	2,294	7,700	2.92
96-97	.27536	1,952	538	1,683	5,406	2.77
97-98	.28943	1,414	409	1,210	3,723	2.63
98-99	.30390	1,005	305	852	2,513	2.50
99-100	.31910	700	224	588	1,661	2.37
100-101	.33505	476	159	397	1,073	2.25
101-102	.35181	317	112	261	676	2.13
102-103	.36940	205	76	167	415	2.02
103-104	.38787	129	50	105	248	1.91
104-105	.40726	79	32	63	143	1.81
105-106	.42762	47	20	37	80	1.71
106-107	.44900	27	12	20	43	1.61
107-108	.47145	15	7	12	23	1.52
108-109	.49503	8	4	6	11	1.43
109-110	.51978	4	2	3	5	1.35

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0-1	.00848	100,000	848	99,311	7,865,607	78.66
1-2	.00056	99,152	55	99,124	7,766,296	78.33
2-3	.00037	99,097	37	99,079	7,667,172	77.37
3-4	.00029	99,060	28	99,045	7,568,093	76.40
4-5	.00024	99,032	24	99,020	7,469,048	75.42
5-6	.00021	99,008	21	98,998	7,370,028	74.44
6-7	.00019	98,987	18	98,978	7,271,030	73.45
7-8	.00017	98,969	17	98,960	7,172,052	72.47
8-9	.00015	98,952	15	98,945	7,073,092	71.48
9-10	.00013	98,937	13	98,931	6,974,147	70.49
10-11	.00012	98,924	11	98,919	6,875,216	69.50
11-12	.00012	98,913	12	98,906	6,776,297	68.51
12-13	.00013	98,901	13	98,895	6,677,391	67.52
13-14	.00017	98,888	17	98,879	6,578,496	66.53
14-15	.00022	98,871	22	98,860	6,479,617	65.54
15-16	.00027	98,849	26	98,836	6,380,757	64.55
16-17	.00032	98,823	32	98,807	6,281,921	63.57
17-18	.00036	98,791	35	98,774	6,183,114	62.59
18-19	.00039	98,756	38	98,737	6,084,340	61.61
19-20	.00041	98,718	40	98,697	5,985,603	60.63
20-21	.00043	98,678	43	98,657	5,886,906	59.66
21-22	.00045	98,635	44	98,613	5,788,249	58.68
22-23	.00047	98,591	47	98,567	5,689,636	57.71
23-24	.00049	98,544	48	98,520	5,591,069	56.74
24-25	.00051	98,496	50	98,471	5,492,549	55.76
25-26	.00052	98,446	51	98,421	5,394,078	54.79
26-27	.00054	98,395	54	98,368	5,295,657	53.82
27-28	.00057	98,341	55	98,313	5,197,289	52.85
28-29	.00060	98,286	59	98,257	5,098,976	51.88
29-30	.00064	98,227	63	98,195	5,000,719	50.91
30-31	.00068	98,164	66	98,131	4,902,524	49.94
31-32	.00072	98,098	71	98,063	4,804,393	48.98
32-33	.00076	98,027	74	97,990	4,706,330	48.01
33-34	.00080	97,953	79	97,914	4,608,340	47.05
34-35	.00085	97,874	83	97,833	4,510,426	46.08
35-36	.00090	97,791	88	97,747	4,412,593	45.12
36-37	.00096	97,703	94	97,656	4,314,846	44.16
37-38	.00103	97,609	101	97,559	4,217,190	43.20
38-39	.00112	97,508	109	97,454	4,119,631	42.25
39-40	.00121	97,399	117	97,341	4,022,177	41.30
40-41	.00131	97,282	128	97,217	3,924,836	40.35
41-42	.00143	97,154	139	97,084	3,827,619	39.40
42-43	.00157	97,015	152	96,939	3,730,535	38.45
43-44	.00172	96,863	167	96,779	3,633,596	37.51
44-45	.00191	96,696	185	96,603	3,536,817	36.58
45-46	.00214	96,511	207	96,407	3,440,214	35.65
46-47	.00241	96,304	232	96,188	3,343,807	34.72
47-48	.00268	96,072	258	95,943	3,247,619	33.80
48-49	.00296	95,814	283	95,672	3,151,676	32.89
49-50	.00323	95,531	309	95,376	3,056,004	31.99
50-51	.00355	95,222	338	95,053	2,960,628	31.09
51-52	.00393	94,884	373	94,698	2,865,575	30.20
52-53	.00433	94,511	409	94,306	2,770,877	29.32
53-54	.00475	94,102	446	93,879	2,676,571	28.44
54-55	.00519	93,656	487	93,412	2,582,692	27.58

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55–56	.00567	93,169	528	92,905	2,489,280	26.72
56–57	.00620	92,641	575	92,354	2,396,375	25.87
57–58	.00682	92,066	628	91,752	2,304,021	25.03
58–59	.00752	91,438	688	91,094	2,212,269	24.19
59–60	.00827	90,750	751	90,375	2,121,175	23.37
60–61	.00902	89,999	812	89,593	2,030,800	22.56
61–62	.00979	89,187	872	88,751	1,941,207	21.77
62–63	.01063	88,315	939	87,845	1,852,456	20.98
63–64	.01159	87,376	1,012	86,870	1,764,611	20.20
64–65	.01266	86,364	1,094	85,817	1,677,741	19.43
65–66	.01380	85,270	1,177	84,682	1,591,924	18.67
66–67	.01499	84,093	1,260	83,463	1,507,242	17.92
67–68	.01629	82,833	1,350	82,158	1,423,779	17.19
68–69	.01776	81,483	1,446	80,760	1,341,621	16.46
69–70	.01941	80,037	1,554	79,260	1,260,861	15.75
70–71	.02126	78,483	1,669	77,648	1,181,601	15.06
71–72	.02331	76,814	1,790	75,919	1,103,953	14.37
72–73	.02560	75,024	1,921	74,064	1,028,034	13.70
73–74	.02812	73,103	2,055	72,075	953,970	13.05
74–75	.03084	71,048	2,192	69,952	881,895	12.41
75–76	.03374	68,856	2,323	67,695	811,943	11.79
76–77	.03688	66,533	2,454	65,306	744,248	11.19
77–78	.04042	64,079	2,590	62,784	678,942	10.60
78–79	.04453	61,489	2,738	60,121	616,158	10.02
79–80	.04924	58,751	2,893	57,304	556,037	9.46
80–81	.05463	55,858	3,051	54,333	498,733	8.93
81–82	.06053	52,807	3,197	51,208	444,400	8.42
82–83	.06684	49,610	3,316	47,953	393,192	7.93
83–84	.07338	46,294	3,397	44,596	345,239	7.46
84–85	.08027	42,897	3,443	41,175	300,643	7.01
85–86	.08771	39,454	3,460	37,724	259,468	6.58
86–87	.09639	35,994	3,470	34,259	221,744	6.16
87–88	.10602	32,524	3,448	30,800	187,485	5.76
88–89	.11653	29,076	3,388	27,382	156,685	5.39
89–90	.12806	25,688	3,290	24,043	129,303	5.03
90–91	.14138	22,398	3,166	20,815	105,260	4.70
91–92	.15626	19,232	3,006	17,729	84,445	4.39
92–93	.17132	16,226	2,779	14,837	66,716	4.11
93–94	.18572	13,447	2,498	12,198	51,879	3.86
94–95	.19990	10,949	2,188	9,854	39,681	3.62
95–96	.21475	8,761	1,882	7,820	29,827	3.40
96–97	.23143	6,879	1,592	6,083	22,007	3.20
97–98	.24775	5,287	1,310	4,633	15,924	3.01
98–99	.26375	3,977	1,049	3,452	11,291	2.84
99–100	.27957	2,928	818	2,519	7,839	2.68
100–101	.29635	2,110	626	1,797	5,320	2.52
101–102	.31413	1,484	466	1,252	3,523	2.37
102–103	.33298	1,018	339	848	2,271	2.23
103–104	.35296	679	240	559	1,423	2.10
104–105	.37413	439	164	358	864	1.97
105–106	.39658	275	109	220	506	1.84
106–107	.42038	166	70	131	286	1.72
107–108	.44560	96	43	75	155	1.61
108–109	.47233	53	25	41	80	1.50
109–110	.50068	28	14	21	39	1.40

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0-1	.00764	100,000	764	99,375	7,614,912	76.15
1-2	.00055	99,236	54	99,208	7,515,537	75.73
2-3	.00036	99,182	36	99,164	7,416,329	74.78
3-4	.00029	99,146	29	99,131	7,317,165	73.80
4-5	.00025	99,117	25	99,105	7,218,034	72.82
5-6	.00023	99,092	23	99,080	7,118,929	71.84
6-7	.00021	99,069	20	99,059	7,019,849	70.86
7-8	.00020	99,049	20	99,039	6,920,790	69.87
8-9	.00018	99,029	17	99,021	6,821,751	68.89
9-10	.00016	99,012	16	99,004	6,722,730	67.90
10-11	.00014	98,996	13	98,989	6,623,726	66.91
11-12	.00014	98,983	14	98,976	6,524,737	65.92
12-13	.00017	98,969	17	98,961	6,425,761	64.93
13-14	.00024	98,952	24	98,940	6,326,800	63.94
14-15	.00034	98,928	33	98,911	6,227,860	62.95
15-16	.00045	98,895	44	98,873	6,128,949	61.97
16-17	.00054	98,851	54	98,824	6,030,076	61.00
17-18	.00063	98,797	62	98,766	5,931,252	60.03
18-19	.00069	98,735	68	98,701	5,832,486	59.07
19-20	.00074	98,667	73	98,630	5,733,785	58.11
20-21	.00080	98,594	79	98,555	5,635,155	57.16
21-22	.00085	98,515	83	98,473	5,536,600	56.20
22-23	.00089	98,432	88	98,388	5,438,127	55.25
23-24	.00091	98,344	89	98,299	5,339,739	54.30
24-25	.00092	98,255	91	98,209	5,241,440	53.35
25-26	.00093	98,164	91	98,119	5,143,231	52.39
26-27	.00094	98,073	93	98,026	5,045,112	51.44
27-28	.00096	97,980	93	97,934	4,947,086	50.49
28-29	.00099	97,887	97	97,838	4,849,152	49.54
29-30	.00102	97,790	100	97,740	4,751,314	48.59
30-31	.00106	97,690	104	97,638	4,653,574	47.64
31-32	.00110	97,586	107	97,533	4,555,936	46.69
32-33	.00114	97,479	111	97,423	4,458,403	45.74
33-34	.00118	97,368	115	97,310	4,360,980	44.79
34-35	.00123	97,253	120	97,193	4,263,670	43.84
35-36	.00129	97,133	126	97,070	4,166,477	42.89
36-37	.00136	97,007	132	96,941	4,069,407	41.95
37-38	.00143	96,875	139	96,806	3,972,466	41.01
38-39	.00151	96,736	146	96,663	3,875,660	40.06
39-40	.00160	96,590	154	96,513	3,778,997	39.12
40-41	.00169	96,436	163	96,355	3,682,484	38.19
41-42	.00180	96,273	174	96,185	3,586,129	37.25
42-43	.00195	96,099	187	96,005	3,489,944	36.32
43-44	.00213	95,912	204	95,810	3,393,939	35.39
44-45	.00235	95,708	225	95,596	3,298,129	34.46
45-46	.00263	95,483	252	95,356	3,202,533	33.54
46-47	.00296	95,231	281	95,091	3,107,177	32.63
47-48	.00329	94,950	313	94,793	3,012,086	31.72
48-49	.00363	94,637	343	94,465	2,917,293	30.83
49-50	.00396	94,294	374	94,107	2,822,828	29.94
50-51	.00436	93,920	409	93,716	2,728,721	29.05
51-52	.00483	93,511	451	93,285	2,635,005	28.18
52-53	.00532	93,060	496	92,812	2,541,720	27.31
53-54	.00583	92,564	539	92,294	2,448,908	26.46
54-55	.00635	92,025	585	91,733	2,356,614	25.61

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55–56	.00690	91,440	630	91,125	2,264,881	24.77
56–57	.00753	90,810	684	90,467	2,173,756	23.94
57–58	.00836	90,126	754	89,749	2,083,289	23.12
58–59	.00939	89,372	839	88,953	1,993,540	22.31
59–60	.01055	88,533	934	88,066	1,904,587	21.51
60–61	.01172	87,599	1,027	87,085	1,816,521	20.74
61–62	.01285	86,572	1,112	86,016	1,729,436	19.98
62–63	.01400	85,460	1,197	84,862	1,643,420	19.23
63–64	.01521	84,263	1,282	83,622	1,558,558	18.50
64–65	.01651	82,981	1,369	82,296	1,474,936	17.77
65–66	.01785	81,612	1,457	80,883	1,392,640	17.06
66–67	.01928	80,155	1,546	79,382	1,311,757	16.37
67–68	.02092	78,609	1,644	77,787	1,232,375	15.68
68–69	.02286	76,965	1,760	76,085	1,154,588	15.00
69–70	.02510	75,205	1,888	74,261	1,078,503	14.34
70–71	.02761	73,317	2,024	72,306	1,004,242	13.70
71–72	.03032	71,293	2,161	70,212	931,936	13.07
72–73	.03323	69,132	2,298	67,983	861,724	12.46
73–74	.03628	66,834	2,425	65,622	793,741	11.88
74–75	.03946	64,409	2,541	63,138	728,119	11.30
75–76	.04284	61,868	2,651	60,543	664,981	10.75
76–77	.04655	59,217	2,756	57,839	604,438	10.21
77–78	.05060	56,461	2,857	55,032	546,599	9.68
78–79	.05513	53,604	2,955	52,127	491,567	9.17
79–80	.06022	50,649	3,051	49,123	439,440	8.68
80–81	.06606	47,598	3,144	46,027	390,317	8.20
81–82	.07253	44,454	3,224	42,842	344,290	7.74
82–83	.07936	41,230	3,272	39,593	301,448	7.31
83–84	.08625	37,958	3,274	36,321	261,855	6.90
84–85	.09328	34,684	3,235	33,067	225,534	6.50
85–86	.10080	31,449	3,170	29,864	192,467	6.12
86–87	.10968	28,279	3,102	26,728	162,603	5.75
87–88	.11947	25,177	3,008	23,673	135,875	5.40
88–89	.13005	22,169	2,883	20,727	112,202	5.06
89–90	.14147	19,286	2,728	17,922	91,475	4.74
90–91	.15436	16,558	2,556	15,280	73,553	4.44
91–92	.16871	14,002	2,362	12,821	58,273	4.16
92–93	.18351	11,640	2,136	10,572	45,452	3.90
93–94	.19809	9,504	1,883	8,562	34,880	3.67
94–95	.21264	7,621	1,620	6,811	26,318	3.45
95–96	.22760	6,001	1,366	5,317	19,507	3.25
96–97	.24414	4,635	1,132	4,069	14,190	3.06
97–98	.26009	3,503	911	3,048	10,121	2.89
98–99	.27538	2,592	714	2,235	7,073	2.73
99–100	.29135	1,878	547	1,605	4,838	2.58
100–101	.30824	1,331	410	1,126	3,233	2.43
101–102	.32612	921	301	771	2,107	2.29
102–103	.34504	620	214	513	1,336	2.15
103–104	.36505	406	148	332	823	2.03
104–105	.38622	258	100	208	491	1.90
105–106	.40862	158	64	126	283	1.78
106–107	.43232	94	41	74	157	1.67
107–108	.45740	53	24	41	83	1.56
108–109	.48393	29	14	22	42	1.46
109–110	.51200	15	8	11	20	1.36

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0-1	.00857	100,000	857	99,299	7,280,919	72.81
1-2	.00065	99,143	65	99,111	7,181,620	72.44
2-3	.00041	99,078	41	99,057	7,082,509	71.48
3-4	.00033	99,037	33	99,021	6,983,452	70.51
4-5	.00029	99,004	29	98,989	6,884,431	69.54
5-6	.00027	98,975	26	98,962	6,785,442	68.56
6-7	.00025	98,949	25	98,936	6,686,480	67.58
7-8	.00024	98,924	24	98,912	6,587,544	66.59
8-9	.00021	98,900	21	98,889	6,488,632	65.61
9-10	.00019	98,879	18	98,870	6,389,743	64.62
10-11	.00016	98,861	16	98,853	6,290,873	63.63
11-12	.00016	98,845	16	98,836	6,192,020	62.64
12-13	.00021	98,829	21	98,819	6,093,184	61.65
13-14	.00032	98,808	31	98,792	5,994,365	60.67
14-15	.00046	98,777	46	98,754	5,895,573	59.69
15-16	.00061	98,731	60	98,701	5,796,819	58.71
16-17	.00076	98,671	75	98,633	5,698,118	57.75
17-18	.00088	98,596	87	98,553	5,599,485	56.79
18-19	.00099	98,509	98	98,460	5,500,932	55.84
19-20	.00108	98,411	106	98,358	5,402,472	54.90
20-21	.00118	98,305	117	98,246	5,304,114	53.96
21-22	.00127	98,188	125	98,126	5,205,868	53.02
22-23	.00134	98,063	131	97,998	5,107,742	52.09
23-24	.00138	97,932	135	97,864	5,009,744	51.16
24-25	.00139	97,797	136	97,729	4,911,880	50.23
25-26	.00140	97,661	137	97,592	4,814,151	49.29
26-27	.00140	97,524	137	97,456	4,716,559	48.36
27-28	.00142	97,387	138	97,318	4,619,103	47.43
28-29	.00146	97,249	142	97,178	4,521,785	46.50
29-30	.00151	97,107	146	97,034	4,424,607	45.56
30-31	.00155	96,961	151	96,885	4,327,573	44.63
31-32	.00160	96,810	155	96,733	4,230,688	43.70
32-33	.00165	96,655	159	96,575	4,133,955	42.77
33-34	.00170	96,496	164	96,414	4,037,380	41.84
34-35	.00175	96,332	169	96,247	3,940,966	40.91
35-36	.00182	96,163	175	96,076	3,844,719	39.98
36-37	.00190	95,988	183	95,896	3,748,643	39.05
37-38	.00198	95,805	190	95,710	3,652,747	38.13
38-39	.00207	95,615	198	95,516	3,557,037	37.20
39-40	.00217	95,417	207	95,314	3,461,521	36.28
40-41	.00227	95,210	216	95,102	3,366,207	35.36
41-42	.00240	94,994	229	94,879	3,271,105	34.43
42-43	.00257	94,765	243	94,644	3,176,226	33.52
43-44	.00279	94,522	263	94,391	3,081,582	32.60
44-45	.00306	94,259	289	94,114	2,987,191	31.69
45-46	.00341	93,970	320	93,810	2,893,077	30.79
46-47	.00381	93,650	357	93,471	2,799,267	29.89
47-48	.00423	93,293	395	93,096	2,705,796	29.00
48-49	.00465	92,898	432	92,683	2,612,700	28.12
49-50	.00508	92,466	469	92,231	2,520,017	27.25
50-51	.00559	91,997	514	91,740	2,427,786	26.39
51-52	.00620	91,483	567	91,199	2,336,046	25.54
52-53	.00683	90,916	622	90,605	2,244,847	24.69
53-54	.00746	90,294	674	89,958	2,154,242	23.86
54-55	.00812	89,620	728	89,256	2,064,284	23.03

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55-56	.00878	88,892	780	88,502	1,975,028	22.22
56-57	.00958	88,112	844	87,690	1,886,526	21.41
57-58	.01066	87,268	931	86,802	1,798,836	20.61
58-59	.01209	86,337	1,044	85,816	1,712,034	19.83
59-60	.01372	85,293	1,170	84,708	1,626,218	19.07
60-61	.01537	84,123	1,293	83,476	1,541,510	18.32
61-62	.01695	82,830	1,404	82,128	1,458,034	17.60
62-63	.01852	81,426	1,508	80,672	1,375,906	16.90
63-64	.02013	79,918	1,609	79,114	1,295,234	16.21
64-65	.02183	78,309	1,709	77,455	1,216,120	15.53
65-66	.02359	76,600	1,807	75,696	1,138,665	14.87
66-67	.02548	74,793	1,906	73,840	1,062,969	14.21
67-68	.02769	72,887	2,018	71,878	989,129	13.57
68-69	.03034	70,869	2,150	69,794	917,251	12.94
69-70	.03343	68,719	2,297	67,571	847,457	12.33
70-71	.03691	66,422	2,452	65,195	779,886	11.74
71-72	.04066	63,970	2,601	62,670	714,691	11.17
72-73	.04464	61,369	2,740	59,999	652,021	10.62
73-74	.04872	58,629	2,856	57,201	592,022	10.10
74-75	.05291	55,773	2,951	54,297	534,821	9.59
75-76	.05743	52,822	3,034	51,305	480,524	9.10
76-77	.06244	49,788	3,109	48,234	429,219	8.62
77-78	.06781	46,679	3,165	45,097	380,985	8.16
78-79	.07362	43,514	3,203	41,912	335,888	7.72
79-80	.08002	40,311	3,226	38,698	293,976	7.29
80-81	.08753	37,085	3,246	35,462	255,278	6.88
81-82	.09615	33,839	3,254	32,211	219,816	6.50
82-83	.10518	30,585	3,217	28,977	187,605	6.13
83-84	.11386	27,368	3,116	25,810	158,628	5.80
84-85	.12209	24,252	2,961	22,771	132,818	5.48
85-86	.13060	21,291	2,781	19,901	110,047	5.17
86-87	.14085	18,510	2,607	17,206	90,146	4.87
87-88	.15203	15,903	2,418	14,695	72,940	4.59
88-89	.16388	13,485	2,210	12,380	58,245	4.32
89-90	.17628	11,275	1,987	10,281	45,865	4.07
90-91	.18928	9,288	1,758	8,409	35,584	3.83
91-92	.20323	7,530	1,531	6,765	27,175	3.61
92-93	.21804	5,999	1,308	5,345	20,410	3.40
93-94	.23348	4,691	1,095	4,144	15,065	3.21
94-95	.24880	3,596	895	3,148	10,921	3.04
95-96	.26329	2,701	711	2,346	7,773	2.88
96-97	.27914	1,990	555	1,712	5,427	2.73
97-98	.29399	1,435	422	1,224	3,715	2.59
98-99	.30869	1,013	313	857	2,491	2.46
99-100	.32413	700	227	586	1,634	2.33
100-101	.34033	473	161	393	1,048	2.21
101-102	.35735	312	111	256	655	2.10
102-103	.37522	201	76	163	399	1.99
103-104	.39398	125	49	101	236	1.88
104-105	.41368	76	31	60	135	1.78
105-106	.43436	45	20	35	75	1.68
106-107	.45608	25	11	20	40	1.58
107-108	.47888	14	7	10	20	1.49
108-109	.50282	7	3	5	10	1.41
109-110	.52797	4	2	3	5	1.32

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0–1	.00665	100,000	665	99,455	7,927,526	79.28
1–2	.00044	99,335	44	99,313	7,828,071	78.80
2–3	.00030	99,291	30	99,276	7,728,758	77.84
3–4	.00025	99,261	25	99,248	7,629,482	76.86
4–5	.00020	99,236	20	99,226	7,530,234	75.88
5–6	.00019	99,216	19	99,206	7,431,008	74.90
6–7	.00017	99,197	16	99,189	7,331,802	73.91
7–8	.00015	99,181	16	99,173	7,232,613	72.92
8–9	.00014	99,165	13	99,158	7,133,440	71.93
9–10	.00012	99,152	12	99,146	7,034,282	70.94
10–11	.00011	99,140	11	99,134	6,935,136	69.95
11–12	.00011	99,129	11	99,123	6,836,002	68.96
12–13	.00013	99,118	13	99,112	6,736,879	67.97
13–14	.00016	99,105	16	99,096	6,637,767	66.98
14–15	.00022	99,089	22	99,078	6,538,671	65.99
15–16	.00027	99,067	26	99,054	6,439,593	65.00
16–17	.00032	99,041	32	99,025	6,340,539	64.02
17–18	.00036	99,009	36	98,991	6,241,514	63.04
18–19	.00038	98,973	38	98,954	6,142,523	62.06
19–20	.00040	98,935	39	98,916	6,043,569	61.09
20–21	.00041	98,896	40	98,877	5,944,653	60.11
21–22	.00042	98,856	42	98,835	5,845,776	59.13
22–23	.00043	98,814	42	98,793	5,746,941	58.16
23–24	.00045	98,772	45	98,749	5,648,148	57.18
24–25	.00046	98,727	45	98,705	5,549,399	56.21
25–26	.00047	98,682	46	98,660	5,450,694	55.23
26–27	.00048	98,636	47	98,612	5,352,034	54.26
27–28	.00050	98,589	50	98,564	5,253,422	53.29
28–29	.00052	98,539	51	98,513	5,154,858	52.31
29–30	.00055	98,488	54	98,461	5,056,345	51.34
30–31	.00058	98,434	57	98,406	4,957,884	50.37
31–32	.00061	98,377	60	98,347	4,859,478	49.40
32–33	.00064	98,317	63	98,285	4,761,131	48.43
33–34	.00068	98,254	66	98,222	4,662,846	47.46
34–35	.00072	98,188	70	98,152	4,564,624	46.49
35–36	.00077	98,118	76	98,080	4,466,472	45.52
36–37	.00082	98,042	80	98,002	4,368,392	44.56
37–38	.00089	97,962	87	97,919	4,270,390	43.59
38–39	.00096	97,875	94	97,828	4,172,471	42.63
39–40	.00103	97,781	101	97,731	4,074,643	41.67
40–41	.00112	97,680	109	97,625	3,976,912	40.71
41–42	.00122	97,571	119	97,512	3,879,287	39.76
42–43	.00134	97,452	130	97,387	3,781,775	38.81
43–44	.00148	97,322	145	97,249	3,684,388	37.86
44–45	.00166	97,177	161	97,097	3,587,139	36.91
45–46	.00189	97,016	183	96,924	3,490,042	35.97
46–47	.00214	96,833	207	96,729	3,393,118	35.04
47–48	.00240	96,626	232	96,509	3,296,389	34.12
48–49	.00265	96,394	256	96,266	3,199,880	33.20
49–50	.00290	96,138	279	95,999	3,103,614	32.28
50–51	.00319	95,859	306	95,706	3,007,615	31.38
51–52	.00354	95,553	339	95,383	2,911,909	30.47
52–53	.00392	95,214	373	95,028	2,816,526	29.58
53–54	.00431	94,841	408	94,637	2,721,498	28.70
54–55	.00472	94,433	446	94,210	2,626,861	27.82

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55–56	.00517	93,987	485	93,745	2,532,651	26.95
56–57	.00567	93,502	531	93,236	2,438,906	26.08
57–58	.00627	92,971	583	92,680	2,345,670	25.23
58–59	.00697	92,388	644	92,066	2,252,990	24.39
59–60	.00772	91,744	708	91,390	2,160,924	23.55
60–61	.00848	91,036	772	90,650	2,069,534	22.73
61–62	.00925	90,264	835	89,846	1,978,884	21.92
62–63	.01007	89,429	901	88,979	1,889,038	21.12
63–64	.01100	88,528	973	88,042	1,800,059	20.33
64–65	.01203	87,555	1,053	87,028	1,712,017	19.55
65–66	.01311	86,502	1,135	85,935	1,624,989	18.79
66–67	.01426	85,367	1,217	84,758	1,539,054	18.03
67–68	.01554	84,150	1,308	83,496	1,454,296	17.28
68–69	.01701	82,842	1,409	82,138	1,370,800	16.55
69–70	.01870	81,433	1,523	80,671	1,288,662	15.82
70–71	.02058	79,910	1,644	79,088	1,207,991	15.12
71–72	.02265	78,266	1,773	77,379	1,128,903	14.42
72–73	.02496	76,493	1,910	75,539	1,051,524	13.75
73–74	.02749	74,583	2,050	73,558	975,985	13.09
74–75	.03021	72,533	2,191	71,438	902,427	12.44
75–76	.03311	70,342	2,329	69,177	830,989	11.81
76–77	.03627	68,013	2,467	66,780	761,812	11.20
77–78	.03985	65,546	2,612	64,240	695,032	10.60
78–79	.04400	62,934	2,769	61,550	630,792	10.02
79–80	.04876	60,165	2,934	58,698	569,242	9.46
80–81	.05418	57,231	3,100	55,681	510,544	8.92
81–82	.06011	54,131	3,254	52,504	454,863	8.40
82–83	.06645	50,877	3,381	49,186	402,359	7.91
83–84	.07307	47,496	3,471	45,761	353,173	7.44
84–85	.08012	44,025	3,527	42,261	307,412	6.98
85–86	.08775	40,498	3,554	38,721	265,151	6.55
86–87	.09668	36,944	3,571	35,159	226,430	6.13
87–88	.10653	33,373	3,555	31,595	191,271	5.73
88–89	.11718	29,818	3,494	28,071	159,676	5.36
89–90	.12876	26,324	3,390	24,628	131,605	5.00
90–91	.14214	22,934	3,260	21,305	106,977	4.66
91–92	.15719	19,674	3,092	18,128	85,672	4.35
92–93	.17254	16,582	2,861	15,151	67,544	4.07
93–94	.18736	13,721	2,571	12,435	52,393	3.82
94–95	.20204	11,150	2,253	10,024	39,958	3.58
95–96	.21737	8,897	1,934	7,930	29,934	3.36
96–97	.23434	6,963	1,631	6,148	22,004	3.16
97–98	.25091	5,332	1,338	4,662	15,856	2.97
98–99	.26715	3,994	1,067	3,461	11,194	2.80
99–100	.28318	2,927	829	2,512	7,733	2.64
100–101	.30017	2,098	630	1,783	5,221	2.49
101–102	.31818	1,468	467	1,235	3,438	2.34
102–103	.33727	1,001	338	832	2,203	2.20
103–104	.35750	663	237	545	1,371	2.07
104–105	.37895	426	161	346	826	1.94
105–106	.40169	265	107	211	480	1.81
106–107	.42579	158	67	125	269	1.70
107–108	.45134	91	41	70	144	1.59
108–109	.47842	50	24	38	74	1.48
109–110	.50712	26	13	20	36	1.38

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
0–1	.01959	100,000	1,959	98,421	6,933,858	69.34
1–2	.00126	98,041	124	97,979	6,835,437	69.72
2–3	.00086	97,917	84	97,875	6,737,458	68.81
3–4	.00065	97,833	64	97,801	6,639,583	67.87
4–5	.00054	97,769	53	97,743	6,541,782	66.91
5–6	.00045	97,716	43	97,695	6,444,039	65.95
6–7	.00038	97,673	37	97,654	6,346,344	64.98
7–8	.00032	97,636	31	97,620	6,248,690	64.00
8–9	.00027	97,605	27	97,591	6,151,070	63.02
9–10	.00023	97,578	22	97,567	6,053,479	62.04
10–11	.00021	97,556	20	97,546	5,955,912	61.05
11–12	.00022	97,536	22	97,525	5,858,366	60.06
12–13	.00029	97,514	28	97,500	5,760,841	59.08
13–14	.00043	97,486	42	97,464	5,663,341	58.09
14–15	.00061	97,444	60	97,414	5,565,877	57.12
15–16	.00081	97,384	78	97,346	5,468,463	56.15
16–17	.00100	97,306	97	97,257	5,371,117	55.20
17–18	.00116	97,209	113	97,152	5,273,860	54.25
18–19	.00129	97,096	126	97,033	5,176,708	53.32
19–20	.00140	96,970	136	96,903	5,079,675	52.38
20–21	.00151	96,834	146	96,761	4,982,772	51.46
21–22	.00163	96,688	158	96,609	4,886,011	50.53
22–23	.00175	96,530	170	96,445	4,789,402	49.62
23–24	.00188	96,360	180	96,270	4,692,957	48.70
24–25	.00200	96,180	192	96,084	4,596,687	47.79
25–26	.00211	95,988	203	95,886	4,500,603	46.89
26–27	.00223	95,785	214	95,678	4,404,717	45.99
27–28	.00235	95,571	225	95,459	4,309,039	45.09
28–29	.00247	95,346	236	95,228	4,213,580	44.19
29–30	.00259	95,110	246	94,987	4,118,352	43.30
30–31	.00271	94,864	257	94,735	4,023,365	42.41
31–32	.00283	94,607	268	94,473	3,928,630	41.53
32–33	.00297	94,339	281	94,198	3,834,157	40.64
33–34	.00312	94,058	293	93,912	3,739,959	39.76
34–35	.00329	93,765	308	93,611	3,646,047	38.88
35–36	.00347	93,457	325	93,294	3,552,436	38.01
36–37	.00367	93,132	342	92,962	3,459,142	37.14
37–38	.00390	92,790	361	92,609	3,366,180	36.28
38–39	.00416	92,429	385	92,237	3,273,571	35.42
39–40	.00445	92,044	410	91,838	3,181,334	34.56
40–41	.00478	91,634	438	91,415	3,089,496	33.72
41–42	.00513	91,196	468	90,962	2,998,081	32.88
42–43	.00550	90,728	499	90,478	2,907,119	32.04
43–44	.00587	90,229	530	89,964	2,816,641	31.22
44–45	.00628	89,699	563	89,418	2,726,677	30.40
45–46	.00674	89,136	600	88,836	2,637,259	29.59
46–47	.00727	88,536	644	88,214	2,548,423	28.78
47–48	.00783	87,892	688	87,547	2,460,209	27.99
48–49	.00840	87,204	733	86,838	2,372,662	27.21
49–50	.00897	86,471	775	86,084	2,285,824	26.43
50–51	.00957	85,696	821	85,285	2,199,740	25.67
51–52	.01025	84,875	870	84,441	2,114,455	24.91
52–53	.01101	84,005	924	83,543	2,030,014	24.17
53–54	.01187	83,081	987	82,587	1,946,471	23.43
54–55	.01282	82,094	1,052	81,569	1,863,884	22.70

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
55-56	.01382	81,042	1,120	80,482	1,782,315	21.99
56-57	.01486	79,922	1,187	79,328	1,701,833	21.29
57-58	.01597	78,735	1,258	78,106	1,622,505	20.61
58-59	.01716	77,477	1,330	76,812	1,544,399	19.93
59-60	.01842	76,147	1,402	75,446	1,467,587	19.27
60-61	.01964	74,745	1,468	74,011	1,392,141	18.63
61-62	.02089	73,277	1,531	72,511	1,318,130	17.99
62-63	.02235	71,746	1,604	70,945	1,245,619	17.36
63-64	.02410	70,142	1,690	69,296	1,174,674	16.75
64-65	.02606	68,452	1,784	67,560	1,105,378	16.15
65-66	.02814	66,668	1,876	65,730	1,037,818	15.57
66-67	.03018	64,792	1,956	63,814	972,088	15.00
67-68	.03213	62,836	2,019	61,827	908,274	14.45
68-69	.03398	60,817	2,066	59,784	846,447	13.92
69-70	.03587	58,751	2,108	57,698	786,663	13.39
70-71	.03798	56,643	2,151	55,568	728,965	12.87
71-72	.04043	54,492	2,203	53,390	673,397	12.36
72-73	.04322	52,289	2,260	51,159	620,007	11.86
73-74	.04622	50,029	2,312	48,873	568,848	11.37
74-75	.04929	47,717	2,352	46,541	519,975	10.90
75-76	.05240	45,365	2,377	44,176	473,434	10.44
76-77	.05566	42,988	2,393	41,791	429,258	9.99
77-78	.05913	40,595	2,401	39,395	387,467	9.54
78-79	.06305	38,194	2,408	36,990	348,072	9.11
79-80	.06762	35,786	2,420	34,576	311,082	8.69
80-81	.07314	33,366	2,440	32,147	276,506	8.29
81-82	.07935	30,926	2,454	29,699	244,359	7.90
82-83	.08555	28,472	2,436	27,254	214,660	7.54
83-84	.09072	26,036	2,362	24,855	187,406	7.20
84-85	.09464	23,674	2,240	22,554	162,551	6.87
85-86	.09786	21,434	2,098	20,385	139,997	6.53
86-87	.10222	19,336	1,976	18,348	119,612	6.19
87-88	.10853	17,360	1,884	16,418	101,264	5.83
88-89	.11785	15,476	1,824	14,563	84,846	5.48
89-90	.13000	13,652	1,775	12,765	70,283	5.15
90-91	.14460	11,877	1,717	11,018	57,518	4.84
91-92	.15984	10,160	1,624	9,348	46,500	4.58
92-93	.17338	8,536	1,480	7,795	37,152	4.35
93-94	.18228	7,056	1,286	6,413	29,357	4.16
94-95	.18810	5,770	1,086	5,227	22,944	3.98
95-96	.19586	4,684	917	4,226	17,717	3.78
96-97	.20830	3,767	785	3,374	13,491	3.58
97-98	.22089	2,982	659	2,653	10,117	3.39
98-99	.23370	2,323	543	2,052	7,464	3.21
99-100	.24726	1,780	440	1,560	5,412	3.04
100-101	.26160	1,340	350	1,165	3,852	2.87
101-102	.27677	990	274	853	2,687	2.71
102-103	.29282	716	210	611	1,834	2.56
103-104	.30981	506	157	428	1,223	2.42
104-105	.32778	349	114	292	795	2.28
105-106	.34679	235	82	194	503	2.14
106-107	.36690	153	56	125	309	2.01
107-108	.38818	97	38	78	184	1.89
108-109	.41070	59	24	48	106	1.78
109-110	.43452	35	15	27	58	1.66

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
0-1	.02159	100,000	2,159	98,252	6,469,373	64.69
1-2	.00137	97,841	134	97,774	6,371,121	65.12
2-3	.00096	97,707	94	97,659	6,273,347	64.21
3-4	.00079	97,613	78	97,574	6,175,688	63.27
4-5	.00064	97,535	62	97,504	6,078,114	62.32
5-6	.00051	97,473	50	97,448	5,980,610	61.36
6-7	.00043	97,423	42	97,403	5,883,162	60.39
7-8	.00038	97,381	36	97,363	5,785,759	59.41
8-9	.00032	97,345	32	97,328	5,688,396	58.44
9-10	.00027	97,313	26	97,301	5,591,068	57.45
10-11	.00024	97,287	23	97,275	5,493,767	56.47
11-12	.00027	97,264	26	97,251	5,396,492	55.48
12-13	.00040	97,238	39	97,218	5,299,241	54.50
13-14	.00066	97,199	64	97,167	5,202,023	53.52
14-15	.00098	97,135	96	97,087	5,104,856	52.55
15-16	.00134	97,039	129	96,975	5,007,769	51.61
16-17	.00167	96,910	162	96,829	4,910,794	50.67
17-18	.00194	96,748	187	96,654	4,813,965	49.76
18-19	.00214	96,561	207	96,458	4,717,311	48.85
19-20	.00229	96,354	221	96,243	4,620,853	47.96
20-21	.00244	96,133	235	96,016	4,524,610	47.07
21-22	.00261	95,898	250	95,773	4,428,594	46.18
22-23	.00278	95,648	266	95,516	4,332,821	45.30
23-24	.00297	95,382	283	95,240	4,237,305	44.42
24-25	.00318	95,099	302	94,948	4,142,065	43.56
25-26	.00339	94,797	322	94,636	4,047,117	42.69
26-27	.00359	94,475	339	94,305	3,952,481	41.84
27-28	.00377	94,136	355	93,959	3,858,176	40.99
28-29	.00392	93,781	367	93,597	3,764,217	40.14
29-30	.00404	93,414	377	93,225	3,670,620	39.29
30-31	.00415	93,037	386	92,844	3,577,395	38.45
31-32	.00428	92,651	397	92,452	3,484,551	37.61
32-33	.00444	92,254	409	92,050	3,392,099	36.77
33-34	.00466	91,845	428	91,631	3,300,049	35.93
34-35	.00493	91,417	451	91,192	3,208,418	35.10
35-36	.00523	90,966	476	90,728	3,117,226	34.27
36-37	.00555	90,490	502	90,239	3,026,498	33.45
37-38	.00588	89,988	529	89,724	2,936,259	32.63
38-39	.00621	89,459	556	89,181	2,846,535	31.82
39-40	.00656	88,903	583	88,612	2,757,354	31.02
40-41	.00693	88,320	611	88,014	2,668,742	30.22
41-42	.00733	87,709	644	87,387	2,580,728	29.42
42-43	.00778	87,065	677	86,726	2,493,341	28.64
43-44	.00829	86,388	716	86,030	2,406,615	27.86
44-45	.00886	85,672	760	85,292	2,320,585	27.09
45-46	.00954	84,912	810	84,507	2,235,293	26.32
46-47	.01029	84,102	865	83,670	2,150,786	25.57
47-48	.01106	83,237	921	82,777	2,067,116	24.83
48-49	.01176	82,316	968	81,832	1,984,339	24.11
49-50	.01241	81,348	1,010	80,843	1,902,507	23.39
50-51	.01308	80,338	1,051	79,813	1,821,664	22.67
51-52	.01385	79,287	1,098	78,739	1,741,851	21.97
52-53	.01475	78,189	1,153	77,612	1,663,112	21.27
53-54	.01582	77,036	1,219	76,426	1,585,500	20.58
54-55	.01706	75,817	1,294	75,170	1,509,074	19.90

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55-56	.01836	74,523	1,368	73,839	1,433,904	19.24
56-57	.01972	73,155	1,443	72,433	1,360,065	18.59
57-58	.02122	71,712	1,522	70,951	1,287,632	17.96
58-59	.02286	70,190	1,604	69,387	1,216,681	17.33
59-60	.02459	68,586	1,687	67,743	1,147,294	16.73
60-61	.02631	66,899	1,760	66,019	1,079,551	16.14
61-62	.02805	65,139	1,827	64,225	1,013,532	15.56
62-63	.02994	63,312	1,896	62,364	949,307	14.99
63-64	.03206	61,416	1,969	60,431	886,943	14.44
64-65	.03433	59,447	2,041	58,427	826,512	13.90
65-66	.03668	57,406	2,106	56,353	768,085	13.38
66-67	.03899	55,300	2,156	54,222	711,732	12.87
67-68	.04127	53,144	2,193	52,048	657,510	12.37
68-69	.04362	50,951	2,223	49,839	605,462	11.88
69-70	.04622	48,728	2,252	47,603	555,623	11.40
70-71	.04927	46,476	2,290	45,331	508,020	10.93
71-72	.05286	44,186	2,336	43,018	462,689	10.47
72-73	.05689	41,850	2,381	40,660	419,671	10.03
73-74	.06104	39,469	2,409	38,265	379,011	9.60
74-75	.06507	37,060	2,411	35,854	340,746	9.19
75-76	.06917	34,649	2,397	33,450	304,892	8.80
76-77	.07360	32,252	2,374	31,065	271,442	8.42
77-78	.07821	29,878	2,336	28,710	240,377	8.05
78-79	.08325	27,542	2,293	26,396	211,667	7.69
79-80	.08897	25,249	2,247	24,125	185,271	7.34
80-81	.09584	23,002	2,204	21,901	161,146	7.01
81-82	.10353	20,798	2,153	19,721	139,245	6.70
82-83	.11096	18,645	2,069	17,610	119,524	6.41
83-84	.11654	16,576	1,932	15,610	101,914	6.15
84-85	.11987	14,644	1,755	13,767	86,304	5.89
85-86	.12148	12,889	1,566	12,106	72,537	5.63
86-87	.12431	11,323	1,407	10,619	60,431	5.34
87-88	.13027	9,916	1,292	9,270	49,812	5.02
88-89	.14119	8,624	1,218	8,015	40,542	4.70
89-90	.15677	7,406	1,161	6,826	32,527	4.39
90-91	.17621	6,245	1,100	5,695	25,701	4.12
91-92	.19646	5,145	1,011	4,639	20,006	3.89
92-93	.21378	4,134	884	3,692	15,367	3.72
93-94	.22236	3,250	723	2,889	11,675	3.59
94-95	.22426	2,527	566	2,244	8,786	3.48
95-96	.22903	1,961	449	1,736	6,542	3.34
96-97	.24048	1,512	364	1,330	4,806	3.18
97-98	.25250	1,148	290	1,003	3,476	3.03
98-99	.26513	858	227	745	2,473	2.88
99-100	.27838	631	176	542	1,728	2.74
100-101	.29230	455	133	389	1,186	2.61
101-102	.30692	322	99	273	797	2.47
102-103	.32226	223	72	187	524	2.35
103-104	.33837	151	51	126	337	2.23
104-105	.35529	100	35	82	211	2.11
105-106	.37306	65	25	52	129	2.00
106-107	.39171	40	15	33	77	1.89
107-108	.41130	25	11	20	44	1.79
108-109	.43186	14	6	11	24	1.69
109-110	.45345	8	4	6	13	1.59

Table 9. Life table for females other than white: Pennsylvania, 1989-91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0-1	.01753	100,000	1,753	98,595	7,378,089	73.78
1-2	.00115	98,247	113	98,191	7,279,494	74.09
2-3	.00075	98,134	74	98,097	7,181,303	73.18
3-4	.00051	98,060	50	98,036	7,083,206	72.23
4-5	.00044	98,010	42	97,989	6,985,170	71.27
5-6	.00039	97,968	39	97,948	6,887,181	70.30
6-7	.00032	97,929	31	97,914	6,789,233	69.33
7-8	.00026	97,898	26	97,885	6,691,319	68.35
8-9	.00022	97,872	21	97,862	6,593,434	67.37
9-10	.00019	97,851	19	97,842	6,495,572	66.38
10-11	.00017	97,832	17	97,824	6,397,730	65.39
11-12	.00017	97,815	16	97,807	6,299,906	64.41
12-13	.00018	97,799	18	97,789	6,202,099	63.42
13-14	.00020	97,781	19	97,772	6,104,310	62.43
14-15	.00023	97,762	22	97,750	6,006,538	61.44
15-16	.00026	97,740	26	97,727	5,908,788	60.45
16-17	.00030	97,714	30	97,699	5,811,061	59.47
17-18	.00036	97,684	34	97,667	5,713,362	58.49
18-19	.00042	97,650	41	97,630	5,615,695	57.51
19-20	.00049	97,609	48	97,584	5,518,065	56.53
20-21	.00057	97,561	56	97,533	5,420,481	55.56
21-22	.00066	97,505	64	97,473	5,322,948	54.59
22-23	.00073	97,441	72	97,405	5,225,475	53.63
23-24	.00080	97,369	77	97,330	5,128,070	52.67
24-25	.00085	97,292	83	97,250	5,030,740	51.71
25-26	.00090	97,209	88	97,165	4,933,490	50.75
26-27	.00096	97,121	93	97,075	4,836,325	49.80
27-28	.00104	97,028	101	96,977	4,739,250	48.84
28-29	.00115	96,927	111	96,872	4,642,273	47.89
29-30	.00128	96,816	125	96,753	4,545,401	46.95
30-31	.00142	96,691	137	96,623	4,448,648	46.01
31-32	.00156	96,554	150	96,479	4,352,025	45.07
32-33	.00168	96,404	162	96,322	4,255,546	44.14
33-34	.00177	96,242	171	96,157	4,159,224	43.22
34-35	.00186	96,071	179	95,981	4,063,067	42.29
35-36	.00195	95,892	186	95,799	3,967,086	41.37
36-37	.00205	95,706	197	95,608	3,871,287	40.45
37-38	.00220	95,509	210	95,404	3,775,679	39.53
38-39	.00240	95,299	229	95,184	3,680,275	38.62
39-40	.00266	95,070	253	94,943	3,585,091	37.71
40-41	.00295	94,817	279	94,678	3,490,148	36.81
41-42	.00325	94,538	307	94,384	3,395,470	35.92
42-43	.00355	94,231	335	94,063	3,301,086	35.03
43-44	.00383	93,896	359	93,717	3,207,023	34.15
44-45	.00410	93,537	383	93,345	3,113,306	33.28
45-46	.00441	93,154	411	92,949	3,019,961	32.42
46-47	.00477	92,743	442	92,522	2,927,012	31.56
47-48	.00519	92,301	479	92,061	2,834,490	30.71
48-49	.00565	91,822	519	91,562	2,742,429	29.87
49-50	.00616	91,303	563	91,021	2,650,867	29.03
50-51	.00671	90,740	609	90,435	2,559,846	28.21
51-52	.00732	90,131	660	89,801	2,469,411	27.40
52-53	.00798	89,471	714	89,115	2,379,610	26.60
53-54	.00869	88,757	771	88,371	2,290,495	25.81
54-55	.00945	87,986	832	87,571	2,202,124	25.03

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

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
55-56	.01025	87,154	893	86,707	2,114,553	24.26
56-57	.01109	86,261	957	85,782	2,027,846	23.51
57-58	.01195	85,304	1,020	84,794	1,942,064	22.77
58-59	.01283	84,284	1,081	83,744	1,857,270	22.04
59-60	.01374	83,203	1,144	82,631	1,773,526	21.32
60-61	.01462	82,059	1,199	81,460	1,690,895	20.61
61-62	.01554	80,860	1,257	80,231	1,609,435	19.90
62-63	.01669	79,603	1,328	78,939	1,529,204	19.21
63-64	.01817	78,275	1,423	77,564	1,450,265	18.53
64-65	.01989	76,852	1,529	76,087	1,372,701	17.86
65-66	.02177	75,323	1,639	74,504	1,296,614	17.21
66-67	.02361	73,684	1,739	72,814	1,222,110	16.59
67-68	.02535	71,945	1,824	71,033	1,149,296	15.97
68-69	.02695	70,121	1,889	69,177	1,078,263	15.38
69-70	.02853	68,232	1,947	67,258	1,009,086	14.79
70-71	.03023	66,285	2,004	65,283	941,828	14.21
71-72	.03223	64,281	2,072	63,245	876,545	13.64
72-73	.03454	62,209	2,148	61,135	813,300	13.07
73-74	.03712	60,061	2,230	58,946	752,165	12.52
74-75	.03985	57,831	2,304	56,679	693,219	11.99
75-76	.04263	55,527	2,367	54,343	636,540	11.46
76-77	.04551	53,160	2,419	51,950	582,197	10.95
77-78	.04862	50,741	2,467	49,508	530,247	10.45
78-79	.05220	48,274	2,520	47,013	480,739	9.96
79-80	.05643	45,754	2,582	44,463	433,726	9.48
80-81	.06155	43,172	2,657	41,843	389,263	9.02
81-82	.06733	40,515	2,728	39,151	347,420	8.58
82-83	.07324	37,787	2,768	36,403	308,269	8.16
83-84	.07848	35,019	2,748	33,645	271,866	7.76
84-85	.08289	32,271	2,675	30,933	238,221	7.38
85-86	.08682	29,596	2,569	28,312	207,288	7.00
86-87	.09185	27,027	2,483	25,785	178,976	6.62
87-88	.09830	24,544	2,412	23,338	153,191	6.24
88-89	.10694	22,132	2,367	20,948	129,853	5.87
89-90	.11773	19,765	2,327	18,602	108,905	5.51
90-91	.13063	17,438	2,278	16,299	90,303	5.18
91-92	.14442	15,160	2,190	14,065	74,004	4.88
92-93	.15724	12,970	2,039	11,951	59,939	4.62
93-94	.16687	10,931	1,824	10,019	47,988	4.39
94-95	.17438	9,107	1,588	8,313	37,969	4.17
95-96	.18338	7,519	1,379	6,829	29,656	3.94
96-97	.19682	6,140	1,208	5,536	22,827	3.72
97-98	.21089	4,932	1,040	4,411	17,291	3.51
98-99	.22557	3,892	878	3,453	12,880	3.31
99-100	.23911	3,014	721	2,653	9,427	3.13
100-101	.25346	2,293	581	2,003	6,774	2.95
101-102	.26866	1,712	460	1,482	4,771	2.79
102-103	.28478	1,252	357	1,074	3,289	2.63
103-104	.30187	895	270	760	2,215	2.47
104-105	.31998	625	200	525	1,455	2.33
105-106	.33918	425	144	353	930	2.19
106-107	.35953	281	101	230	577	2.05
107-108	.38110	180	69	146	347	1.93
108-109	.40397	111	45	89	201	1.80
109-110	.42821	66	28	52	112	1.69

Table 10. Life table for the black population: Pennsylvania, 1989-91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0-1	.02103	100,000	2,103	98,303	6,827,312	68.27
1-2	.00131	97,897	128	97,834	6,729,009	68.74
2-3	.00092	97,769	90	97,724	6,631,175	67.82
3-4	.00072	97,679	71	97,643	6,533,451	66.89
4-5	.00058	97,608	57	97,580	6,435,808	65.94
5-6	.00049	97,551	47	97,527	6,338,228	64.97
6-7	.00041	97,504	40	97,485	6,240,701	64.00
7-8	.00034	97,464	33	97,447	6,143,216	63.03
8-9	.00029	97,431	28	97,417	6,045,769	62.05
9-10	.00024	97,403	23	97,391	5,948,352	61.07
10-11	.00022	97,380	21	97,369	5,850,961	60.08
11-12	.00023	97,359	23	97,348	5,753,592	59.10
12-13	.00031	97,336	30	97,321	5,656,244	58.11
13-14	.00046	97,306	45	97,283	5,558,923	57.13
14-15	.00066	97,261	64	97,229	5,461,640	56.15
15-16	.00089	97,197	87	97,153	5,364,411	55.19
16-17	.00110	97,110	107	97,057	5,267,258	54.24
17-18	.00129	97,003	125	96,940	5,170,201	53.30
18-19	.00144	96,878	140	96,808	5,073,261	52.37
19-20	.00157	96,738	152	96,663	4,976,453	51.44
20-21	.00169	96,586	163	96,504	4,879,790	50.52
21-22	.00183	96,423	176	96,335	4,783,286	49.61
22-23	.00196	96,247	189	96,153	4,686,951	48.70
23-24	.00210	96,058	202	95,957	4,590,798	47.79
24-25	.00223	95,856	213	95,749	4,494,841	46.89
25-26	.00236	95,643	226	95,531	4,399,092	45.99
26-27	.00249	95,417	237	95,298	4,303,561	45.10
27-28	.00262	95,180	249	95,056	4,208,263	44.21
28-29	.00275	94,931	262	94,800	4,113,207	43.33
29-30	.00289	94,669	274	94,532	4,018,407	42.45
30-31	.00304	94,395	286	94,252	3,923,875	41.57
31-32	.00318	94,109	300	93,959	3,829,623	40.69
32-33	.00334	93,809	313	93,652	3,735,664	39.82
33-34	.00352	93,496	329	93,332	3,642,012	38.95
34-35	.00371	93,167	346	92,993	3,548,680	38.09
35-36	.00393	92,821	364	92,639	3,455,687	37.23
36-37	.00416	92,457	385	92,264	3,363,048	36.37
37-38	.00442	92,072	407	91,869	3,270,784	35.52
38-39	.00471	91,665	432	91,449	3,178,915	34.68
39-40	.00504	91,233	459	91,003	3,087,466	33.84
40-41	.00540	90,774	490	90,529	2,996,463	33.01
41-42	.00579	90,284	523	90,022	2,905,934	32.19
42-43	.00620	89,761	556	89,483	2,815,912	31.37
43-44	.00664	89,205	593	88,909	2,726,429	30.56
44-45	.00711	88,612	630	88,297	2,637,520	29.76
45-46	.00765	87,982	673	87,646	2,549,223	28.97
46-47	.00826	87,309	721	86,948	2,461,577	28.19
47-48	.00889	86,588	770	86,203	2,374,629	27.42
48-49	.00948	85,818	813	85,411	2,288,426	26.67
49-50	.01005	85,005	854	84,578	2,203,015	25.92
50-51	.01063	84,151	895	83,703	2,118,437	25.17
51-52	.01129	83,256	940	82,786	2,034,734	24.44
52-53	.01205	82,316	992	81,819	1,951,948	23.71
53-54	.01292	81,324	1,051	80,799	1,870,129	23.00
54-55	.01391	80,273	1,116	79,715	1,789,330	22.29

Table 10. Life table for the black population: Pennsylvania, 1989-91—Con.

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55-56	.01493	79,157	1,182	78,565	1,709,615	21.60
56-57	.01599	77,975	1,247	77,351	1,631,050	20.92
57-58	.01713	76,728	1,314	76,071	1,553,699	20.25
58-59	.01835	75,414	1,384	74,722	1,477,628	19.59
59-60	.01963	74,030	1,453	73,303	1,402,906	18.95
60-61	.02088	72,577	1,515	71,820	1,329,603	18.32
61-62	.02215	71,062	1,575	70,274	1,257,783	17.70
62-63	.02363	69,487	1,641	68,667	1,187,509	17.09
63-64	.02537	67,846	1,722	66,985	1,118,842	16.49
64-65	.02732	66,124	1,806	65,221	1,051,857	15.91
65-66	.02938	64,318	1,890	63,373	986,636	15.34
66-67	.03139	62,428	1,960	61,449	923,263	14.79
67-68	.03334	60,468	2,016	59,460	861,814	14.25
68-69	.03523	58,452	2,059	57,423	802,354	13.73
69-70	.03721	56,393	2,098	55,343	744,931	13.21
70-71	.03944	54,295	2,142	53,224	689,588	12.70
71-72	.04202	52,153	2,191	51,058	636,364	12.20
72-73	.04486	49,962	2,241	48,842	585,306	11.72
73-74	.04777	47,721	2,280	46,581	536,464	11.24
74-75	.05064	45,441	2,301	44,290	489,883	10.78
75-76	.05350	43,140	2,308	41,986	445,593	10.33
76-77	.05653	40,832	2,308	39,678	403,607	9.88
77-78	.05989	38,524	2,307	37,371	363,929	9.45
78-79	.06390	36,217	2,314	35,059	326,558	9.02
79-80	.06872	33,903	2,330	32,738	291,499	8.60
80-81	.07464	31,573	2,357	30,394	258,761	8.20
81-82	.08127	29,216	2,374	28,029	228,367	7.82
82-83	.08786	26,842	2,359	25,662	200,338	7.46
83-84	.09322	24,483	2,282	23,342	174,676	7.13
84-85	.09713	22,201	2,157	21,123	151,334	6.82
85-86	.10016	20,044	2,007	19,041	130,211	6.50
86-87	.10428	18,037	1,881	17,096	111,170	6.16
87-88	.11026	16,156	1,781	15,265	94,074	5.82
88-89	.11921	14,375	1,714	13,518	78,809	5.48
89-90	.13097	12,661	1,658	11,832	65,291	5.16
90-91	.14522	11,003	1,598	10,204	53,459	4.86
91-92	.16014	9,405	1,506	8,652	43,255	4.60
92-93	.17337	7,899	1,369	7,214	34,603	4.38
93-94	.18178	6,530	1,187	5,936	27,389	4.19
94-95	.18689	5,343	999	4,844	21,453	4.02
95-96	.19386	4,344	842	3,923	16,609	3.82
96-97	.20590	3,502	721	3,141	12,686	3.62
97-98	.21821	2,781	607	2,478	9,545	3.43
98-99	.23087	2,174	502	1,923	7,067	3.25
99-100	.24426	1,672	408	1,468	5,144	3.08
100-101	.25843	1,264	327	1,100	3,676	2.91
101-102	.27342	937	256	809	2,576	2.75
102-103	.28927	681	197	583	1,767	2.59
103-104	.30605	484	148	410	1,184	2.45
104-105	.32380	336	109	281	774	2.31
105-106	.34258	227	78	188	493	2.17
106-107	.36245	149	54	122	305	2.04
107-108	.38348	95	36	77	183	1.92
108-109	.40572	59	24	47	106	1.80
109-110	.42925	35	15	28	59	1.69

Table 11. Life table for black males: Pennsylvania, 1989-91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
0-1	.02332	100,000	2,332	98,110	6,332,891	63.33
1-2	.00144	97,668	141	97,597	6,234,781	63.84
2-3	.00106	97,527	103	97,476	6,137,184	62.93
3-4	.00086	97,424	84	97,382	6,039,708	61.99
4-5	.00070	97,340	68	97,306	5,942,326	61.05
5-6	.00056	97,272	54	97,245	5,845,020	60.09
6-7	.00047	97,218	46	97,194	5,747,775	59.12
7-8	.00041	97,172	40	97,152	5,650,581	58.15
8-9	.00035	97,132	34	97,115	5,553,429	57.17
9-10	.00029	97,098	28	97,084	5,456,314	56.19
10-11	.00026	97,070	25	97,057	5,359,230	55.21
11-12	.00029	97,045	28	97,031	5,262,173	54.22
12-13	.00044	97,017	43	96,995	5,165,142	53.24
13-14	.00071	96,974	69	96,940	5,068,147	52.26
14-15	.00108	96,905	104	96,853	4,971,207	51.30
15-16	.00148	96,801	143	96,730	4,874,354	50.35
16-17	.00185	96,658	179	96,568	4,777,624	49.43
17-18	.00217	96,479	210	96,374	4,681,056	48.52
18-19	.00241	96,269	232	96,154	4,584,682	47.62
19-20	.00260	96,037	249	95,912	4,488,528	46.74
20-21	.00278	95,788	266	95,655	4,392,616	45.86
21-22	.00298	95,522	285	95,380	4,296,961	44.98
22-23	.00318	95,237	303	95,086	4,201,581	44.12
23-24	.00340	94,934	322	94,773	4,106,495	43.26
24-25	.00361	94,612	342	94,441	4,011,722	42.40
25-26	.00382	94,270	360	94,090	3,917,281	41.55
26-27	.00403	93,910	379	93,721	3,823,191	40.71
27-28	.00423	93,531	395	93,333	3,729,470	39.87
28-29	.00440	93,136	409	92,932	3,636,137	39.04
29-30	.00456	92,727	423	92,515	3,543,205	38.21
30-31	.00471	92,304	435	92,086	3,450,690	37.38
31-32	.00488	91,869	448	91,645	3,358,604	36.56
32-33	.00508	91,421	464	91,189	3,266,959	35.74
33-34	.00533	90,957	485	90,715	3,175,770	34.92
34-35	.00564	90,472	510	90,216	3,085,055	34.10
35-36	.00598	89,962	538	89,693	2,994,839	33.29
36-37	.00633	89,424	566	89,141	2,905,146	32.49
37-38	.00670	88,858	596	88,560	2,816,005	31.69
38-39	.00708	88,262	624	87,951	2,727,445	30.90
39-40	.00746	87,638	654	87,310	2,639,494	30.12
40-41	.00787	86,984	685	86,642	2,552,184	29.34
41-42	.00833	86,299	719	85,940	2,465,542	28.57
42-43	.00885	85,580	757	85,201	2,379,602	27.81
43-44	.00944	84,823	801	84,423	2,294,401	27.05
44-45	.01013	84,022	851	83,596	2,209,978	26.30
45-46	.01095	83,171	911	82,715	2,126,382	25.57
46-47	.01186	82,260	976	81,773	2,043,667	24.84
47-48	.01275	81,284	1,036	80,766	1,961,894	24.14
48-49	.01353	80,248	1,086	79,705	1,881,128	23.44
49-50	.01421	79,162	1,125	78,600	1,801,423	22.76
50-51	.01488	78,037	1,161	77,456	1,722,823	22.08
51-52	.01567	76,876	1,205	76,274	1,645,367	21.40
52-53	.01657	75,671	1,254	75,044	1,569,093	20.74
53-54	.01765	74,417	1,313	73,761	1,494,049	20.08
54-55	.01888	73,104	1,381	72,413	1,420,288	19.43

Table 11. Life table for black males: Pennsylvania, 1989-91—Con.

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
55-56	.02015	71,723	1,445	71,001	1,347,875	18.79
56-57	.02146	70,278	1,508	69,524	1,276,874	18.17
57-58	.02292	68,770	1,577	67,981	1,207,350	17.56
58-59	.02455	67,193	1,649	66,369	1,139,369	16.96
59-60	.02631	65,544	1,725	64,681	1,073,000	16.37
60-61	.02805	63,819	1,790	62,924	1,008,319	15.80
61-62	.02977	62,029	1,847	61,106	945,395	15.24
62-63	.03166	60,182	1,905	59,229	884,289	14.69
63-64	.03375	58,277	1,966	57,294	825,060	14.16
64-65	.03599	56,311	2,027	55,297	767,766	13.63
65-66	.03831	54,284	2,079	53,245	712,469	13.12
66-67	.04058	52,205	2,119	51,145	659,224	12.63
67-68	.04287	50,086	2,147	49,012	608,079	12.14
68-69	.04527	47,939	2,171	46,854	559,067	11.66
69-70	.04797	45,768	2,195	44,671	512,213	11.19
70-71	.05118	43,573	2,230	42,458	467,542	10.73
71-72	.05494	41,343	2,271	40,207	425,084	10.28
72-73	.05905	39,072	2,307	37,918	384,877	9.85
73-74	.06309	36,765	2,320	35,605	346,959	9.44
74-75	.06684	34,445	2,302	33,294	311,354	9.04
75-76	.07056	32,143	2,268	31,009	278,060	8.65
76-77	.07466	29,875	2,230	28,760	247,051	8.27
77-78	.07915	27,645	2,188	26,550	218,291	7.90
78-79	.08444	25,457	2,150	24,382	191,741	7.53
79-80	.09078	23,307	2,116	22,249	167,359	7.18
80-81	.09860	21,191	2,089	20,146	145,110	6.85
81-82	.10738	19,102	2,052	18,076	124,964	6.54
82-83	.11578	17,050	1,974	16,064	106,888	6.27
83-84	.12181	15,076	1,836	14,158	90,824	6.02
84-85	.12498	13,240	1,655	12,412	76,666	5.79
85-86	.12608	11,585	1,461	10,855	64,254	5.55
86-87	.12841	10,124	1,300	9,474	53,399	5.27
87-88	.13383	8,824	1,181	8,234	43,925	4.98
88-89	.14432	7,643	1,103	7,092	35,691	4.67
89-90	.15955	6,540	1,043	6,018	28,599	4.37
90-91	.17860	5,497	982	5,006	22,581	4.11
91-92	.19834	4,515	895	4,068	17,575	3.89
92-93	.21503	3,620	779	3,230	13,507	3.73
93-94	.22251	2,841	632	2,525	10,277	3.62
94-95	.22281	2,209	492	1,963	7,752	3.51
95-96	.22659	1,717	389	1,522	5,789	3.37
96-97	.23792	1,328	316	1,170	4,267	3.21
97-98	.24982	1,012	253	886	3,097	3.06
98-99	.26231	759	199	659	2,211	2.91
99-100	.27542	560	154	483	1,552	2.77
100-101	.28920	406	118	347	1,069	2.63
101-102	.30365	288	87	245	722	2.50
102-103	.31884	201	64	169	477	2.38
103-104	.33478	137	46	114	308	2.25
104-105	.35152	91	32	75	194	2.14
105-106	.36909	59	22	48	119	2.02
106-107	.38755	37	14	30	71	1.92
107-108	.40693	23	9	18	41	1.81
108-109	.42727	14	6	11	23	1.71
109-110	.44864	8	4	6	12	1.61

Table 12. Life table for black females: Pennsylvania, 1989-91

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	${}^o e_x$
0-1	.01868	100,000	1,868	98,501	7,302,139	73.02
1-2	.00118	98,132	115	98,075	7,203,638	73.41
2-3	.00079	98,017	78	97,978	7,105,563	72.49
3-4	.00058	97,939	56	97,911	7,007,585	71.55
4-5	.00046	97,883	46	97,860	6,909,674	70.59
5-6	.00042	97,837	40	97,817	6,811,814	69.62
6-7	.00034	97,797	33	97,780	6,713,997	68.65
7-8	.00027	97,764	27	97,751	6,616,217	67.68
8-9	.00022	97,737	22	97,726	6,518,466	66.69
9-10	.00019	97,715	18	97,706	6,420,740	65.71
10-11	.00017	97,697	17	97,688	6,323,034	64.72
11-12	.00017	97,680	17	97,671	6,225,346	63.73
12-13	.00018	97,663	18	97,655	6,127,675	62.74
13-14	.00021	97,645	20	97,635	6,030,020	61.75
14-15	.00024	97,625	23	97,614	5,932,385	60.77
15-16	.00028	97,602	28	97,588	5,834,771	59.78
16-17	.00034	97,574	33	97,557	5,737,183	58.80
17-18	.00040	97,541	38	97,522	5,639,626	57.82
18-19	.00046	97,503	45	97,480	5,542,104	56.84
19-20	.00053	97,458	52	97,432	5,444,624	55.87
20-21	.00061	97,406	60	97,376	5,347,192	54.90
21-22	.00070	97,346	68	97,312	5,249,816	53.93
22-23	.00078	97,278	75	97,241	5,152,504	52.97
23-24	.00085	97,203	83	97,161	5,055,263	52.01
24-25	.00092	97,120	89	97,076	4,958,102	51.05
25-26	.00098	97,031	95	96,983	4,861,026	50.10
26-27	.00106	96,936	103	96,884	4,764,043	49.15
27-28	.00115	96,833	111	96,778	4,667,159	48.20
28-29	.00127	96,722	123	96,660	4,570,381	47.25
29-30	.00141	96,599	137	96,530	4,473,721	46.31
30-31	.00156	96,462	151	96,387	4,377,191	45.38
31-32	.00171	96,311	165	96,228	4,280,804	44.45
32-33	.00184	96,146	177	96,058	4,184,576	43.52
33-34	.00196	95,969	188	95,875	4,088,518	42.60
34-35	.00206	95,781	197	95,682	3,992,643	41.69
35-36	.00217	95,584	208	95,480	3,896,961	40.77
36-37	.00230	95,376	220	95,266	3,801,481	39.86
37-38	.00248	95,156	236	95,038	3,706,215	38.95
38-39	.00270	94,920	256	94,792	3,611,177	38.04
39-40	.00297	94,664	281	94,524	3,516,385	37.15
40-41	.00328	94,383	309	94,229	3,421,861	36.25
41-42	.00361	94,074	340	93,904	3,327,632	35.37
42-43	.00394	93,734	369	93,550	3,233,728	34.50
43-44	.00426	93,365	398	93,165	3,140,178	33.63
44-45	.00458	92,967	427	92,754	3,047,013	32.78
45-46	.00495	92,540	457	92,312	2,954,259	31.92
46-47	.00537	92,083	494	91,835	2,861,947	31.08
47-48	.00582	91,589	533	91,323	2,770,112	30.25
48-49	.00629	91,056	573	90,769	2,678,789	29.42
49-50	.00679	90,483	614	90,176	2,588,020	28.60
50-51	.00731	89,869	657	89,540	2,497,844	27.79
51-52	.00789	89,212	703	88,861	2,408,304	27.00
52-53	.00854	88,509	756	88,130	2,319,443	26.21
53-54	.00928	87,753	815	87,346	2,231,313	25.43
54-55	.01010	86,938	878	86,499	2,143,967	24.66

Table 12. Life table for black females: Pennsylvania, 1989-91—Con.

Age in years	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated (1)	Proportion of persons alive at beginning of year of age dying during year (2)	Number living at beginning of year of age (3)	Number dying during year of age (4)	In year of age (5)	In this year of age and all subsequent years (6)	Average number of years of life remaining at beginning of year of age (7)
x to x+1	q_x	l_x	d_x	L_x	T_x	0e_x
55-56	.01096	86,060	943	85,589	2,057,468	23.91
56-57	.01185	85,117	1,009	84,613	1,971,879	23.17
57-58	.01276	84,108	1,073	83,571	1,887,266	22.44
58-59	.01368	83,035	1,137	82,467	1,803,695	21.72
59-60	.01462	81,898	1,197	81,299	1,721,228	21.02
60-61	.01552	80,701	1,253	80,075	1,639,929	20.32
61-62	.01647	79,448	1,308	78,794	1,559,854	19.63
62-63	.01765	78,140	1,379	77,450	1,481,060	18.95
63-64	.01914	76,761	1,470	76,026	1,403,610	18.29
64-65	.02087	75,291	1,571	74,506	1,327,584	17.63
65-66	.02273	73,720	1,676	72,882	1,253,078	17.00
66-67	.02456	72,044	1,769	71,159	1,180,196	16.38
67-68	.02631	70,275	1,849	69,350	1,109,037	15.78
68-69	.02796	68,426	1,913	67,469	1,039,687	15.19
69-70	.02962	66,513	1,970	65,528	972,218	14.62
70-71	.03144	64,543	2,030	63,528	906,690	14.05
71-72	.03355	62,513	2,097	61,465	843,162	13.49
72-73	.03591	60,416	2,169	59,331	781,697	12.94
73-74	.03844	58,247	2,239	57,127	722,366	12.40
74-75	.04104	56,008	2,299	54,859	665,239	11.88
75-76	.04365	53,709	2,344	52,537	610,380	11.36
76-77	.04638	51,365	2,383	50,173	557,843	10.86
77-78	.04941	48,982	2,420	47,772	507,670	10.36
78-79	.05300	46,562	2,468	45,328	459,898	9.88
79-80	.05733	44,094	2,528	42,831	414,570	9.40
80-81	.06258	41,566	2,601	40,265	371,739	8.94
81-82	.06850	38,965	2,669	37,631	331,474	8.51
82-83	.07457	36,296	2,707	34,943	293,843	8.10
83-84	.07993	33,589	2,684	32,247	258,900	7.71
84-85	.08440	30,905	2,609	29,601	226,653	7.33
85-86	.08838	28,296	2,501	27,045	197,052	6.96
86-87	.09341	25,795	2,409	24,591	170,007	6.59
87-88	.09980	23,386	2,334	22,219	145,416	6.22
88-89	.10831	21,052	2,280	19,912	123,197	5.85
89-90	.11892	18,772	2,233	17,655	103,285	5.50
90-91	.13164	16,539	2,177	15,451	85,630	5.18
91-92	.14523	14,362	2,086	13,319	70,179	4.89
92-93	.15781	12,276	1,937	11,308	56,860	4.63
93-94	.16706	10,339	1,727	9,475	45,552	4.41
94-95	.17402	8,612	1,499	7,863	36,077	4.19
95-96	.18244	7,113	1,298	6,464	28,214	3.97
96-97	.19556	5,815	1,137	5,247	21,750	3.74
97-98	.20946	4,678	980	4,188	16,503	3.53
98-99	.22414	3,698	829	3,284	12,315	3.33
99-100	.23758	2,869	681	2,528	9,031	3.15
100-101	.25184	2,188	551	1,912	6,503	2.97
101-102	.26695	1,637	437	1,418	4,591	2.80
102-103	.28297	1,200	340	1,030	3,173	2.64
103-104	.29994	860	258	732	2,143	2.49
104-105	.31794	602	191	506	1,411	2.34
105-106	.33702	411	139	342	905	2.20
106-107	.35724	272	97	223	563	2.07
107-108	.37867	175	66	142	340	1.94
108-109	.40139	109	44	87	198	1.82
109-110	.42548	65	28	52	111	1.70

Table 13. Standard errors of the probability of dying: Pennsylvania, 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	.000137	.000202	.000184	.000134	.000198	.000179	.000476	.000701	.000643	.000520	.000769	.000698
1	.000037	.000055	.000048	.000036	.000055	.000047	.000126	.000184	.000171	.000135	.000199	.000182
2	.000030	.000045	.000040	.000030	.000044	.000039	.000111	.000165	.000148	.000122	.000184	.000161
3	.000027	.000040	.000035	.000027	.000040	.000035	.000098	.000152	.000123	.000110	.000169	.000140
4	.000025	.000037	.000032	.000024	.000037	.000032	.000091	.000140	.000116	.000101	.000156	.000128
5	.000023	.000035	.000030	.000023	.000035	.000030	.000084	.000126	.000112	.000094	.000141	.000123
6	.000022	.000034	.000028	.000023	.000034	.000029	.000078	.000118	.000102	.000087	.000132	.000113
7	.000021	.000032	.000027	.000022	.000033	.000028	.000072	.000110	.000093	.000081	.000124	.000102
8	.000020	.000031	.000025	.000021	.000032	.000026	.000067	.000103	.000086	.000074	.000115	.000093
9	.000019	.000029	.000024	.000020	.000030	.000025	.000062	.000095	.000080	.000068	.000105	.000086
10	.000018	.000027	.000023	.000019	.000028	.000024	.000059	.000090	.000077	.000065	.000100	.000082
11	.000018	.000028	.000023	.000019	.000028	.000024	.000061	.000096	.000077	.000067	.000106	.000082
12	.000020	.000032	.000025	.000021	.000032	.000026	.000070	.000117	.000078	.000077	.000129	.000084
13	.000024	.000039	.000028	.000025	.000040	.000029	.000085	.000147	.000082	.000094	.000165	.000089
14	.000028	.000047	.000031	.000029	.000047	.000033	.000100	.000178	.000087	.000112	.000201	.000096
15	.000032	.000054	.000034	.000033	.000054	.000037	.000114	.000206	.000092	.000128	.000233	.000103
16	.000035	.000059	.000036	.000036	.000059	.000039	.000125	.000227	.000098	.000142	.000258	.000112
17	.000037	.000063	.000038	.000038	.000063	.000041	.000134	.000242	.000106	.000153	.000278	.000120
18	.000039	.000067	.000039	.000040	.000067	.000042	.000141	.000254	.000114	.000161	.000293	.000129
19	.000040	.000070	.000040	.000041	.000070	.000042	.000147	.000264	.000124	.000168	.000305	.000138
20	.000042	.000072	.000041	.000042	.000073	.000043	.000153	.000273	.000133	.000175	.000317	.000148
21	.000043	.000075	.000042	.000043	.000075	.000043	.000159	.000283	.000143	.000182	.000329	.000158
22	.000044	.000077	.000043	.000044	.000077	.000044	.000164	.000293	.000150	.000188	.000341	.000166
23	.000044	.000078	.000043	.000045	.000078	.000044	.000170	.000303	.000156	.000194	.000352	.000173
24	.000045	.000078	.000044	.000044	.000077	.000044	.000174	.000314	.000160	.000199	.000362	.000178
25	.000045	.000078	.000044	.000044	.000077	.000044	.000179	.000325	.000164	.000204	.000373	.000183
26	.000045	.000079	.000044	.000044	.000077	.000045	.000184	.000335	.000168	.000209	.000383	.000189
27	.000045	.000079	.000045	.000044	.000077	.000045	.000189	.000344	.000174	.000214	.000393	.000196
28	.000046	.000079	.000046	.000045	.000077	.000046	.000193	.000351	.000182	.000219	.000401	.000205
29	.000046	.000079	.000047	.000045	.000077	.000046	.000197	.000357	.000191	.000224	.000408	.000215
30	.000046	.000080	.000048	.000045	.000078	.000047	.000201	.000362	.000201	.000229	.000416	.000225
31	.000046	.000080	.000049	.000045	.000078	.000048	.000206	.000368	.000209	.000234	.000424	.000235
32	.000047	.000081	.000050	.000046	.000079	.000049	.000211	.000377	.000218	.000241	.000435	.000244
33	.000048	.000082	.000051	.000047	.000080	.000050	.000218	.000390	.000225	.000249	.000451	.000253
34	.000050	.000084	.000053	.000048	.000082	.000052	.000227	.000407	.000233	.000259	.000470	.000263
35	.000051	.000087	.000056	.000050	.000084	.000054	.000237	.000426	.000242	.000270	.000491	.000274
36	.000053	.000090	.000058	.000052	.000087	.000057	.000247	.000446	.000252	.000283	.000514	.000287
37	.000055	.000093	.000061	.000054	.000090	.000060	.000259	.000467	.000265	.000296	.000538	.000302
38	.000058	.000096	.000064	.000056	.000093	.000063	.000272	.000488	.000281	.000311	.000562	.000321
39	.000060	.000099	.000067	.000058	.000095	.000066	.000285	.000510	.000300	.000328	.000587	.000343
40	.000062	.000102	.000070	.000060	.000099	.000069	.000301	.000532	.000322	.000345	.000614	.000367
41	.000064	.000106	.000074	.000062	.000102	.000072	.000317	.000558	.000344	.000365	.000644	.000393
42	.000068	.000111	.000079	.000066	.000107	.000077	.000335	.000587	.000367	.000386	.000679	.000420
43	.000072	.000118	.000084	.000070	.000114	.000082	.000355	.000622	.000390	.000410	.000720	.000447
44	.000077	.000127	.000091	.000076	.000123	.000089	.000377	.000662	.000414	.000435	.000769	.000474
45	.000084	.000137	.000099	.000082	.000133	.000098	.000403	.000709	.000441	.000465	.000827	.000505
46	.000091	.000148	.000107	.000089	.000145	.000107	.000431	.000761	.000472	.000497	.000889	.000539
47	.000098	.000160	.000116	.000097	.000157	.000116	.000459	.000811	.000504	.000528	.000949	.000573
48	.000105	.000171	.000124	.000104	.000168	.000124	.000485	.000855	.000537	.000556	.000998	.000606
49	.000111	.000181	.000132	.000110	.000179	.000131	.000509	.000892	.000569	.000580	.001038	.000637
50	.000118	.000192	.000140	.000117	.000190	.000140	.000533	.000928	.000602	.000603	.001075	.000669
51	.000125	.000205	.000149	.000125	.000204	.000149	.000559	.000969	.000637	.000628	.001116	.000701
52	.000132	.000217	.000158	.000133	.000216	.000158	.000586	.001012	.000672	.000654	.001158	.000735
53	.000139	.000228	.000166	.000140	.000228	.000167	.000614	.001060	.000707	.000682	.001205	.000770
54	.000146	.000238	.000174	.000146	.000238	.000175	.000643	.001113	.000741	.000710	.001254	.000806
55	.000152	.000248	.000182	.000152	.000248	.000183	.000672	.001166	.000774	.000738	.001302	.000841
56	.000158	.000259	.000190	.000159	.000260	.000191	.000700	.001217	.000807	.000765	.001347	.000875
57	.000165	.000271	.000197	.000167	.000273	.000199	.000728	.001270	.000839	.000792	.001394	.000907
58	.000172	.000285	.000205	.000174	.000287	.000207	.000756	.001322	.000869	.000818	.001441	.000938
59	.000179	.000298	.000211	.000182	.000302	.000214	.000783	.001374	.000899	.000845	.001489	.000967

Table 13. Standard errors of the probability of dying: Pennsylvania, 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	.000185	.000310	.000217	.000188	.000314	.000220	.000809	.001424	.000926	.000869	.001534	.000993
61	.000191	.000321	.000223	.000194	.000326	.000226	.000835	.001473	.000955	.000894	.001579	.001021
62	.000197	.000332	.000229	.000201	.000338	.000233	.000865	.001527	.000991	.000923	.001629	.001057
63	.000205	.000346	.000238	.000208	.000352	.000242	.000902	.001585	.001037	.000958	.001684	.001102
64	.000213	.000362	.000248	.000217	.000368	.000252	.000942	.001649	.001091	.000998	.001746	.001155
65	.000222	.000379	.000259	.000226	.000386	.000263	.000984	.001711	.001148	.001038	.001807	.001211
66	.000232	.000397	.000269	.000236	.000404	.000274	.001027	.001776	.001204	.001080	.001871	.001266
67	.000243	.000418	.000282	.000248	.000427	.000287	.001075	.001858	.001265	.001128	.001954	.001326
68	.000257	.000444	.000297	.000262	.000454	.000303	.001134	.001968	.001333	.001188	.002067	.001396
69	.000273	.000476	.000316	.000279	.000487	.000322	.001205	.002112	.001411	.001263	.002217	.001477
70	.000292	.000512	.000336	.000299	.000524	.000343	.001293	.002295	.001503	.001354	.002408	.001574
71	.000313	.000553	.000359	.000320	.000565	.000367	.001392	.002507	.001608	.001458	.002631	.001683
72	.000335	.000596	.000384	.000343	.000610	.000392	.001496	.002735	.001718	.001565	.002867	.001797
73	.000358	.000641	.000409	.000366	.000656	.000419	.001595	.002948	.001824	.001665	.003084	.001903
74	.000381	.000688	.000436	.000391	.000704	.000446	.001685	.003138	.001925	.001753	.003273	.002002
75	.000406	.000739	.000464	.000417	.000757	.000476	.001774	.003328	.002023	.001840	.003462	.002098
76	.000435	.000798	.000495	.000446	.000818	.000508	.001875	.003551	.002133	.001940	.003686	.002207
77	.000467	.000865	.000531	.000480	.000888	.000546	.001994	.003808	.002264	.002062	.003951	.002340
78	.000504	.000943	.000574	.000519	.000968	.000590	.002148	.004129	.002437	.002220	.004289	.002516
79	.000549	.001035	.000624	.000564	.001063	.000642	.002343	.004530	.002658	.002425	.004718	.002744
80	.000600	.001146	.000682	.000617	.001177	.000701	.002585	.005027	.002933	.002680	.005255	.003028
81	.000660	.001278	.000747	.000678	.001312	.000767	.002863	.005600	.003248	.002972	.005876	.003353
82	.000726	.001426	.000819	.000745	.001465	.000841	.003161	.006214	.003588	.003284	.006536	.003703
83	.000797	.001587	.000899	.000820	.001632	.000923	.003444	.006787	.003915	.003576	.007140	.004037
84	.000876	.001760	.000988	.000902	.001813	.001016	.003705	.007293	.004226	.003840	.007657	.004351
85	.000968	.001962	.001091	.000998	.002027	.001124	.003967	.007765	.004543	.004099	.008125	.004670
86	.001079	.002213	.001215	.001115	.002295	.001253	.004290	.008342	.004937	.004419	.008698	.005062
87	.001210	.002512	.001360	.001251	.002611	.001404	.004712	.009133	.005436	.004837	.009489	.005561
88	.001363	.002863	.001529	.001410	.002978	.001579	.005306	.010328	.006114	.005433	.010701	.006242
89	.001544	.003274	.001731	.001595	.003401	.001786	.006125	.012055	.007026	.006261	.012474	.007163
90	.001768	.003774	.001983	.001823	.003910	.002043	.007241	.014483	.008255	.007395	.014984	.008410
91	.002049	.004398	.002299	.002110	.004544	.002366	.008677	.017679	.009833	.008861	.018302	.010014
92	.002386	.005162	.002676	.002454	.005320	.002751	.010412	.021667	.011729	.010636	.022466	.011942
93	.002774	.006078	.003103	.002852	.006263	.003189	.012168	.025685	.013669	.012420	.026638	.013902
94	.003215	.007163	.003583	.003310	.007400	.003686	.013721	.028914	.015456	.013970	.029895	.015680
95	.003525	.008020	.003893	.003644	.008320	.004025	.014189	.031009	.015667	.014226	.030893	.015851
96	.004189	.009574	.004623	.004335	.009975	.004782	.016535	.035405	.018475	.016639	.035181	.018816
97	.005030	.011581	.005546	.005214	.012115	.005741	.019523	.041696	.021957	.019487	.041463	.022113
98	.006137	.014352	.006759	.006384	.015024	.007022	.023025	.051250	.025675	.022860	.050760	.025724
99	.007453	.017792	.008159	.007779	.018772	.008496	.026929	.059144	.030148	.026707	.058496	.030172
100	.009239	.022288	.010086	.009700	.023699	.010561	.031487	.069769	.035119	.031542	.070661	.035344
101	.011675	.028310	.012729	.012335	.030306	.013413	.037693	.084589	.041840	.037224	.084640	.041497
102	.015062	.036893	.016383	.016029	.040010	.017369	.046031	.102133	.051260	.045548	.101253	.051111
103	.019904	.048728	.021657	.021394	.053755	.023154	.056993	.124245	.063803	.056188	.123995	.063162
104	.025972	.066139	.028021	.028529	.075869	.030534	.066354	.146431	.073953	.065626	.144203	.073834
105	.033712	.086428	.036336	.037809	.102205	.040368	.079173	.176569	.087925	.077583	.177508	.086233
106	.046348	.113815	.050431	.054168	.152759	.057462	.095938	.187837	.111569	.092085	.178073	.108353
107	.059780	.148539	.064903	.070246	.181286	.075729	.122471	.284915	.134376	.119759	.270498	.133527
108	.084974	.198561	.093574	.106394	.284005	.114049	.153281	.308714	.175950	.149278	.299066	.172847
109	.116808	.257176	.130646	.150301	.418755	.160075	.202867	.365021	.244451	.198172	.367292	.236642

Table 14. Standard errors of the average remaining lifetime: Pennsylvania, 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	.025	.036	.034	.026	.037	.034	.088	.124	.119	.094	.133	.126
1	.023	.034	.031	.024	.034	.032	.083	.118	.111	.088	.126	.117
2	.023	.033	.031	.024	.034	.031	.083	.118	.111	.088	.125	.116
3	.023	.033	.030	.024	.034	.031	.083	.117	.110	.088	.125	.116
4	.023	.033	.030	.024	.034	.031	.083	.117	.110	.088	.125	.116
5	.023	.033	.030	.024	.034	.031	.082	.117	.110	.087	.124	.115
6	.023	.033	.030	.024	.034	.031	.082	.117	.109	.087	.124	.115
7	.023	.033	.030	.024	.034	.031	.082	.116	.109	.087	.124	.115
8	.023	.033	.030	.023	.034	.031	.082	.116	.109	.087	.124	.115
9	.023	.033	.030	.023	.034	.031	.082	.116	.109	.087	.124	.115
10	.023	.033	.030	.023	.034	.031	.082	.116	.109	.087	.124	.114
11	.023	.033	.030	.023	.033	.031	.082	.116	.109	.087	.124	.114
12	.023	.033	.030	.023	.033	.031	.082	.116	.109	.087	.123	.114
13	.023	.033	.030	.023	.033	.031	.082	.116	.108	.087	.123	.114
14	.023	.033	.030	.023	.033	.031	.081	.116	.108	.086	.123	.114
15	.023	.032	.030	.023	.033	.031	.081	.115	.108	.086	.123	.114
16	.023	.032	.030	.023	.033	.030	.081	.115	.108	.086	.122	.114
17	.022	.032	.030	.023	.033	.030	.081	.115	.108	.086	.122	.114
18	.022	.032	.029	.023	.033	.030	.081	.114	.108	.086	.122	.113
19	.022	.032	.029	.023	.033	.030	.080	.114	.108	.085	.121	.113
20	.022	.032	.029	.023	.032	.030	.080	.113	.108	.085	.121	.113
21	.022	.031	.029	.023	.032	.030	.080	.113	.107	.085	.120	.113
22	.022	.031	.029	.023	.032	.030	.080	.113	.107	.084	.119	.113
23	.022	.031	.029	.022	.032	.030	.079	.112	.107	.084	.119	.112
24	.022	.031	.029	.022	.032	.030	.079	.112	.107	.084	.118	.112
25	.022	.031	.029	.022	.031	.030	.079	.111	.107	.083	.118	.112
26	.022	.030	.029	.022	.031	.030	.079	.111	.106	.083	.117	.112
27	.021	.030	.029	.022	.031	.029	.078	.110	.106	.083	.117	.111
28	.021	.030	.029	.022	.031	.029	.078	.110	.106	.082	.116	.111
29	.021	.030	.029	.022	.031	.029	.078	.109	.106	.082	.116	.111
30	.021	.030	.028	.022	.031	.029	.078	.109	.105	.082	.115	.111
31	.021	.030	.028	.022	.030	.029	.077	.108	.105	.081	.115	.110
32	.021	.030	.028	.022	.030	.029	.077	.108	.105	.081	.114	.110
33	.021	.029	.028	.021	.030	.029	.077	.108	.105	.081	.114	.110
34	.021	.029	.028	.021	.030	.029	.077	.107	.104	.081	.113	.109
35	.021	.029	.028	.021	.030	.029	.076	.107	.104	.080	.113	.109
36	.021	.029	.028	.021	.030	.029	.076	.106	.104	.080	.112	.109
37	.021	.029	.028	.021	.030	.029	.076	.106	.104	.080	.112	.108
38	.021	.029	.028	.021	.029	.029	.076	.105	.103	.079	.111	.108
39	.020	.029	.028	.021	.029	.028	.075	.105	.103	.079	.111	.108
40	.020	.028	.028	.021	.029	.028	.075	.104	.103	.079	.110	.107
41	.020	.028	.027	.021	.029	.028	.075	.104	.102	.078	.109	.107
42	.020	.028	.027	.021	.029	.028	.074	.103	.102	.078	.109	.106
43	.020	.028	.027	.021	.029	.028	.074	.103	.101	.077	.108	.106
44	.020	.028	.027	.021	.029	.028	.074	.102	.101	.077	.107	.105
45	.020	.028	.027	.020	.028	.028	.073	.102	.100	.076	.107	.104
46	.020	.027	.027	.020	.028	.028	.073	.101	.100	.076	.106	.104
47	.020	.027	.027	.020	.028	.027	.072	.100	.099	.075	.105	.103
48	.019	.027	.026	.020	.028	.027	.072	.099	.099	.074	.103	.102
49	.019	.027	.026	.020	.028	.027	.071	.098	.098	.074	.102	.101
50	.019	.026	.026	.020	.027	.027	.070	.097	.097	.073	.101	.100
51	.019	.026	.026	.019	.027	.026	.070	.096	.096	.072	.100	.099
52	.019	.026	.025	.019	.027	.026	.069	.095	.095	.071	.098	.098
53	.018	.025	.025	.019	.026	.026	.068	.094	.094	.070	.097	.097
54	.018	.025	.025	.019	.026	.026	.068	.093	.094	.070	.096	.096
55	.018	.025	.024	.018	.026	.025	.067	.092	.093	.069	.094	.095
56	.018	.024	.024	.018	.025	.025	.066	.091	.092	.068	.093	.094
57	.017	.024	.024	.018	.025	.024	.065	.090	.091	.067	.092	.093
58	.017	.024	.023	.018	.024	.024	.065	.089	.090	.066	.091	.092
59	.017	.023	.023	.017	.024	.024	.064	.088	.089	.065	.089	.091

Table 14. Standard errors of the average remaining lifetime: Pennsylvania, 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	.017	.023	.023	.017	.024	.023	.064	.087	.088	.065	.088	.090
61	.016	.023	.022	.017	.023	.023	.063	.086	.087	.064	.087	.089
62	.016	.022	.022	.017	.023	.023	.063	.086	.087	.064	.087	.088
63	.016	.022	.022	.017	.023	.022	.062	.085	.086	.063	.086	.088
64	.016	.022	.022	.016	.023	.022	.062	.085	.085	.063	.086	.087
65	.016	.022	.021	.016	.022	.022	.061	.084	.085	.062	.085	.086
66	.015	.021	.021	.016	.022	.022	.061	.084	.084	.062	.085	.086
67	.015	.021	.021	.016	.022	.021	.061	.084	.084	.062	.085	.085
68	.015	.021	.021	.016	.022	.021	.061	.085	.084	.062	.086	.085
69	.015	.021	.020	.016	.022	.021	.061	.085	.083	.062	.086	.085
70	.015	.021	.020	.015	.022	.021	.061	.086	.083	.062	.086	.084
71	.015	.021	.020	.015	.021	.020	.061	.086	.083	.062	.087	.084
72	.015	.021	.020	.015	.021	.020	.061	.086	.083	.062	.087	.084
73	.015	.021	.020	.015	.021	.020	.061	.087	.082	.062	.088	.084
74	.015	.021	.019	.015	.021	.020	.061	.087	.082	.062	.088	.083
75	.014	.021	.019	.015	.021	.020	.061	.088	.082	.062	.089	.083
76	.014	.021	.019	.015	.021	.020	.062	.089	.082	.063	.090	.084
77	.014	.021	.019	.015	.022	.019	.062	.090	.083	.063	.091	.084
78	.014	.021	.019	.015	.022	.019	.063	.092	.083	.064	.093	.085
79	.014	.021	.019	.015	.022	.019	.064	.094	.084	.065	.095	.085
80	.015	.022	.019	.015	.022	.019	.065	.096	.085	.066	.097	.086
81	.015	.022	.019	.015	.023	.019	.066	.098	.086	.067	.099	.087
82	.015	.023	.019	.015	.023	.019	.067	.101	.087	.068	.102	.089
83	.015	.023	.019	.015	.024	.019	.068	.103	.089	.070	.105	.090
84	.015	.024	.019	.016	.025	.019	.070	.106	.090	.071	.108	.091
85	.015	.025	.019	.016	.025	.020	.072	.110	.092	.073	.112	.093
86	.016	.026	.020	.016	.026	.020	.074	.113	.094	.075	.116	.096
87	.016	.027	.020	.017	.028	.020	.076	.118	.097	.078	.121	.099
88	.017	.028	.020	.017	.029	.021	.080	.125	.101	.081	.128	.102
89	.017	.030	.021	.018	.030	.021	.084	.133	.105	.086	.137	.107
90	.018	.032	.022	.019	.032	.022	.088	.143	.110	.091	.147	.112
91	.019	.034	.023	.019	.035	.023	.094	.155	.116	.096	.160	.118
92	.020	.037	.024	.021	.037	.024	.100	.170	.122	.103	.175	.124
93	.021	.040	.025	.022	.040	.026	.106	.184	.128	.109	.190	.130
94	.023	.043	.027	.023	.044	.027	.111	.197	.133	.114	.202	.135
95	.025	.047	.028	.025	.048	.029	.116	.210	.138	.118	.213	.140
96	.027	.053	.031	.028	.055	.032	.125	.229	.148	.127	.231	.150
97	.030	.061	.035	.031	.063	.036	.136	.252	.160	.138	.255	.161
98	.034	.070	.039	.035	.073	.040	.148	.280	.172	.149	.283	.174
99	.039	.082	.044	.040	.086	.046	.161	.307	.187	.162	.311	.189
100	.045	.097	.051	.047	.103	.053	.176	.340	.204	.178	.346	.206
101	.053	.115	.059	.056	.124	.062	.195	.381	.226	.196	.385	.226
102	.063	.140	.070	.067	.154	.075	.217	.426	.252	.218	.429	.252
103	.075	.171	.084	.082	.193	.090	.242	.475	.280	.242	.478	.279
104	.090	.210	.100	.100	.246	.110	.265	.525	.307	.265	.524	.306
105	.109	.254	.121	.124	.312	.135	.296	.583	.343	.293	.581	.339
106	.134	.307	.149	.156	.402	.170	.334	.641	.393	.330	.622	.387
107	.161	.370	.179	.193	.483	.210	.384	.781	.444	.381	.761	.441
108	.198	.441	.222	.248	.649	.268	.432	.798	.514	.428	.793	.505
109	.223	.484	.251	.288	.787	.309	.470	.824	.570	.465	.835	.555

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