

VITAL
STATISTICS

of the

UNITED
STATES

1974

VOLUME II-SECTION 5

Life Tables



U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
HEALTH RESOURCES ADMINISTRATION

VITAL STATISTICS OF THE UNITED STATES, 1974
VOLUME II-SECTION 5

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HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
HEALTH RESOURCES ADMINISTRATION
NATIONAL CENTER FOR HEALTH STATISTICS
Rockville, Maryland: 1976

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Table:	5					
Page:	5	-8	-11	-12	-13	-15
Years:						
1900-1974 -----						5 ¹
1974 only -----		1	2	3		
Specified years and 1974 -----					4 ²	
Type of entry:						
Proportion of dying (${}_nq_x$) -----		1				
Number surviving (${}_nl_x$) -----		1	2		4	
Number dying (${}_nd_x$) -----		1				
Stationary population (${}_nL_x$ and T_x) -----		1				
Average remaining lifetime (e_x) -----		1		3	4	
Estimated average length of life (e_0) -----						5
Characteristics:						
Age by:						
Single years -----			2	3		
5-year intervals -----		1			4	
Sex-color specific -----		1	2	3	4	5 ³
Sex specific -----		1	2	3		5
Color specific -----		1	2	3		5 ³
Total population -----		1	2	3		5

¹Entire United States for 1929-74; death-registration States for 1900-1928.

²Entire United States for specified years from 1929 to 1974; death-registration States for specified years from 1900 to 1921.

³New Jersey did not require the reporting of color or race in 1962 and 1963.

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SECTION 5. LIFE TABLES

The mortality rates for a specific period may be summarized by the life table method to obtain measures of comparative longevity. There are two types of life tables—the generation or cohort life table and the current life table. The generation life table provides a “longitudinal” perspective in that it follows the mortality experience of a particular cohort, all persons born in the year 1900 for example, from the moment of birth through consecutive ages in successive calendar years. Based on age-specific death rates observed during consecutive calendar years, the generation life table reflects the mortality experience of a cohort from birth until no lives remain in the group.

The better known current life table may, by contrast, be characterized as “cross-sectional.” Unlike the generation life table, the current life table does not represent the mortality experience of an actual cohort. Rather, the current life table considers a hypothetical cohort and assumes that it is subject to the age-specific mortality rates observed for an actual population during a particular period. Thus, for example, a current life table for 1974 assumes a hypothetical cohort subject throughout its lifetime to the age-specific mortality rates prevailing for the actual population in 1974. The current life table may thus be characterized as rendering a “snapshot” of current mortality experience. In this section, the term “life table” refers to the current life table only and not to the generation life table.

The life table program

There are three series of life tables prepared in the National Center for Health Statistics—complete, provisional abridged, and final abridged life tables. The complete life tables for the U.S. population contain life table values for single years of age and are based on decennial census data and deaths for a 3-year period about the census year and have been prepared since 1900. The provisional abridged life tables contain values by age groups and are based on a 10-percent sample of deaths. The final abridged life tables (referred to in this section as “abridged life tables”) also contain values by age groups but are based on a complete count of all reported deaths.

In response to a growing number of requests for postcensal life table values, a series of abridged life tables was initiated in 1945. Available annually since that year, the abridged life tables are based on deaths occurring during the calendar year and on midyear

postcensal population estimates provided by the U.S. Bureau of the Census. Refinements in both the techniques for estimating population and the methods for constructing abridged life tables permit the preparation of abridged life tables which provides reasonably accurate data on current trends in expectation of life and survivorship. Abridged life tables for 1945 to 1952 were constructed by the Greville method;¹ since 1953 a modified method has been employed.² The 1945 abridged life tables were prepared for white and all other males and females. Since 1946 abridged life tables for the total population have also been available, and since 1957 abridged life tables have been calculated for total males and total females, regardless of color. Starting with 1959 additional abridged life tables have been published for the total white and “all other” population, regardless of sex.

Numerous requests have been received annually for current life table statistics that are more detailed than those available in the abridged life tables. Therefore tables showing l_x and e_x^o values by single years of age interpolated from the abridged life tables have been published since 1960.

The demand for information regarding up-to-date life table values has been responsible for the introduction of a third series, provisional abridged life tables. Starting with 1958 provisional abridged life tables have been published, for the total population only, in the “Annual Summary for the United States,” *Monthly Vital Statistics Report*. Values in these life tables are based on population estimates provided by the Bureau of the Census and on the estimated number of deaths derived from the “Current Mortality Sample” (CMS). The CMS consists of one-tenth of the death certificates filed in the vital statistics registration offices (50 States and the cities of Washington, D.C., and New York). The sample is taken by selecting 1 certificate out of every 10 death certificates received between two dates a month apart.

¹ National Office of Vital Statistics: Method of constructing the abridged life tables for the United States, 1949, by T. N. E. Greville. *Vital Statistics-Special Reports*, Vol. 33, No. 15. Public Health Service, Washington, D.C., 1953.

² National Center for Health Statistics: Comparison of two methods of constructing abridged life tables by reference to a “standard” table, by M. G. Sirken. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 2-No. 4. Public Health Service, Washington. U.S. Government Printing Office, 1966.

Life table values for 1974

The data used to prepare the abridged U.S. life tables for 1974 are the final mortality statistics and the midyear estimates of the population by age, color, and sex prepared by the U.S. Bureau of the Census. Sample life table statistics for 1974 are shown in table 5-A. The text will refer to values for the total U.S. population; however, the same type of statistics may be applied to each color-sex group.

Expectation of life.—The most frequently used life table statistic is the expectation of life (e_x^0), i.e., the average remaining lifetime in years for persons who have attained a given age (x). Expectation of life at specified ages in 1974 is shown for the total population and by color and sex in table 5-1. In addition, expectations of life by single years of age, by color and sex, are shown in table 5-3.

Life expectancy at birth (e_0^0) is 71.9 years, which represents the average number of years that the members of the life table cohort may expect to live at the time of birth. Text table 5-A shows the higher life expectancy of females compared with males within each color group, and of white males and females compared with those in the all other category. At age 1, life expectancy is 72.1 years, which is higher than at birth. This is a result of surviving the first year, when the mortality rate is very high. Remaining years of expected lifetime are also shown in table 5-A for ages 21 and 65 years.

Survivors to specified ages.—Another way of assessing longevity of the life table cohort is by determining the proportion of it that lives to specified ages. The l_x column provides the data for computing the proportion. For instance, 73,810 out of the origi-

nal 100,000 (or 73.8 percent) were alive at exact age 65 (table 5-2). Survivorship to other ages, by color and sex, is shown as percentage in table 5-A.

Median length of life.—Instead of determining the proportion alive at a specified age, one can compute the age at which a specified proportion of the cohort is still alive. For example, one can determine the age at which exactly half the cohort (50,000 persons) still remain alive, and half have died. This value, known as the median age at death, is shown at the bottom of table 5-A, by color and sex. For example, the median age for white males is 7.7 years less than for white females.

Trends and comparisons

The geographic areas covered in life tables prior to 1929-31 were limited to the death-registration areas. Life tables for 1919-21 were constructed using mortality data from the 1920 death-registration States—34 States and the District of Columbia—and for 1900-1902 and 1909-11 from the 1900 death-registration States—10 States and the District of Columbia. The tables for 1929-31 through 1958 cover the conterminous United States. Decennial life table values for the 3-year period 1959-61 are derived from data which include both Alaska and Hawaii for each year (table 5-4). Data for each year shown in table 5-5 include both Alaska and Hawaii beginning with 1959. However, it is not believed that the inclusion of these two States materially affects life table values.

Trends in life table values are shown in tables 5-4 and 5-5. Table 5-4 shows the expectation of life, and

Table 5-A. Selected life table values, by age, color, and sex: United States, 1974

Life table value and age	Total	White		All other	
		Male	Female	Male	Female
Expectation of life:					
At birth	71.9	68.9	76.6	62.9	71.3
At age 1	72.1	69.1	76.5	63.6	71.9
At age 21	53.0	50.1	57.1	44.8	52.6
At age 65	15.5	13.4	17.6	13.4	16.8
Percent surviving from birth:					
To age 1	98.3	98.3	98.7	97.3	97.8
To age 21	97.0	96.7	97.9	95.1	96.6
To age 65	73.8	68.5	82.7	52.9	69.9
Median age at death ...	75.8	72.5	80.2	66.4	74.2

Table 5-B. Selected life table values, by color and sex: Death-registration areas, 1974, 1973, 1970, 1960, 1900-1902

Life table value and year	Total	White		All other	
		Male	Female	Male	Female
Life expectancy (e_x^0) at birth:					
1974	71.9	68.9	76.6	62.9	71.3
1973	71.3	68.4	76.1	61.9	70.1
1970	70.9	68.0	75.6	61.3	69.4
1960	69.7	67.4	74.1	61.1	66.3
1900	47.3	46.6	48.7	32.5	33.5
at age 20:					
1974	53.9	51.0	58.1	45.7	53.6
1900-1902	42.8	42.2	43.8	35.1	36.9
Percent reaching age 65:					
1974	73.8	68.5	82.7	52.9	69.9
1900-1902	40.9	39.2	43.8	19.0	22.0

the number of cohort survivors at specified ages around census years since 1900, and for 1973 and 1974. Life expectancy among white males exactly 20 years old, for instance, has increased from 42.2 years in 1900-1902 to 51.0 years in 1974 (text table 5-B). Where 39.2 percent of white males survived to age 65 in 1900-1902, now 68.5 percent survive to this age.

There has been an increasing interest in data on average length of life (e_0^o) for single calendar years prior to the initiation of the annual abridged life table series in 1945. The estimated figures in table 5-5 were computed to meet these needs.³ For example, life expectancy has increased by 2.5 years among white females since 1960, or an average increase of 0.18 year of life per calendar year. Values for other years, by color and sex, are shown in table 5-B, page 5-4.

³For estimating procedure, see National Office of Vital Statistics, "Estimated Average Length of Life in the Death-Registration States," by T. N. E. Greville and G. A. Carlson, *Vital Statistics-Special Reports*, Vol. 33, No. 9, Public Health Service, Washington, D.C., 1951.

Technical appendix

New Jersey data, 1962-64.—The life tables for 1962 and 1963 for the six population groups involving color do not include data from the State of New Jersey. This State omitted the item on color or race from its certificates of live birth, death, and fetal death in use at the beginning of 1962. The item was restored during the latter part of 1962. However, the certificate revision without this item was used for most of 1962 as well as for 1963. For computing vital rates, populations by age, color, and sex excluding New Jersey were estimated to obtain comparable denominators. Approximately 7 percent of the New Jersey death records for 1964 did not contain the race designation; when the records were being electronically processed, the "race not stated" deaths were allocated to white or Negro.

Standard table.—U.S. life tables for the decennial period 1969-71 are used as the standard table in constructing the 1974 abridged life tables.

Nonresidents, 1974.—Beginning in 1970 the deaths of nonresidents of the United States have been excluded from the life table statistics.

Explanation of the Columns of the Life Table

Column 1—Age interval (x to $x + n$).—The age interval shown in column 1 is the interval between the two exact ages indicated. For instance, “20-25” means the 5-year interval between the 20th birthday and the 25th.

Column 2—Proportion dying (${}_nq_x$).—This column shows the proportion of the cohort who are alive at the beginning of an indicated age interval and who will die before reaching the end of that age interval. For example, for males in the age interval 20-25, the proportion dying is 0.0106—out of every 1,000 males alive and exactly 20 years old at the beginning of the period about 11 will die before reaching their 25th birthday. In other words, the ${}_nq_x$ values represent *probabilities* that persons who are alive at the beginning of a specific age interval will die before reaching the beginning of the next age interval. The “proportion dying” column forms the basis of the life table; the life table is so constructed that all other columns are derived from it.

Column 3—Number surviving (l_x).—This column shows the number of persons, starting with a cohort of 100,000 live births, who survive to the exact age marking the beginning of each age interval. The l_x values are computed from the ${}_nq_x$ values, which are successively applied to the remainder of the original 100,000 persons still alive at the beginning of each age interval. Thus out of 100,000 male babies born alive, 98,126 will complete the first year of life and enter the second; 97,808 will begin the sixth year; 96,595 will reach age 20; and 14,611 will live to age 85.

Column 4—Number dying (${}_nd_x$).—This column shows the number dying in each successive age interval out of 100,000 live births. Out of 100,000 males born alive, 1,874 die in the first year of life, 318 in the succeeding 4 years, 1,020 in the 5-year period between exact ages 20 and 25, and 14,611 die after reaching age 85. Each figure in column 4 is the difference between two successive figures in column 3.

Columns 5 and 6—Stationary population (${}_nL_x$ and T_x).—Suppose that a group of 100,000 individuals like that assumed in columns 3 and 4 is born every year and that the proportions dying in each such group in each age interval throughout the lives of the members are exactly those shown in column 2. If there were no migration and if the births were evenly distributed over the calendar year, the survivors of these births would make up what is called a stationary population—stationary because in such a population the number of persons living in any given age group would never change. When an individual

left the group, either by death or by growing older and entering the next higher age group, his place would immediately be taken by someone entering from the next lower age group. 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 groups. In such a stationary population supported by 100,000 annual births, column 3 shows the number of persons who, each year, reach the birthday which marks the beginning of the age interval indicated in column 1, and column 4 shows the number of persons who die each year in the indicated age interval.

Column 5 shows the number of persons in the stationary population in the indicated age interval. For example, the figure given for males in the age interval 20-25 is 480,456. This means that in a stationary population of males supported by 100,000 annual births and with proportions dying in each age group always in accordance with column 2, a census taken on any date would show 480,456 persons between exact ages 20 and 25.

Column 6 shows the total number of persons in the stationary population (column 5) in the indicated age interval and all subsequent age intervals. For example, in the stationary population of males referred to in the last illustration, column 6 shows that there would be at any given moment a total of 4,863,303 persons who have passed their 20th birthday. The population at all ages 0 and above (in other words, the total population of the stationary community) would be 6,814,371.

Column 7—Average remaining lifetime (${}_x\bar{e}$).—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 arrive at this value, it is first necessary to observe that the figures in column 5 of the life table 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 earlier birthday among the survivors of a cohort of 100,000 live births. Thus the figure 480,456 for males in the age interval 20-25 is the total number of years lived between the 20th and 25th birthdays by the 96,595 (column 3) who reached the 20th birthday out of 100,000 males born alive. The corresponding figure (4,863,303) in col-

umn 6 is the total number of years lived after attaining age 20 by the 96,595 reaching that age. This number of years divided by the number of persons (4,863,303 divided by 96,595) gives 50.3 years as the average remaining lifetime of males at age 20.

Care must be exercised in drawing conclusions from the figures in column 7. Thus in observing that the average remaining lifetime of white persons is greater than for those in the all other category, one should not conclude that the oldest ages reached by

white persons necessarily exceed those attained by the most long-lived of the all other group. The difference in the average length of life results from the fact that a greater proportion of all other persons die before reaching old age. For example, the number surviving to age 65 out of 100,000 born alive is far greater among white persons than among all other persons; yet the average length of life remaining at age 65 is nearly the same for both groups.

SECTION 5 - LIFE TABLES

Table 5-1. Abridged Life Tables by Color and Sex: United States, 1974

AGE INTERVAL PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED IN YEARS (1)	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAIN- ING LIFETIME
	PROPORTION OF PERSONS ALIVE AT BEGINNING OF AGE INTERVAL DYING DURING INTERVAL (2)	NUMBER LIVING AT BEGINNING OF AGE INTERVAL (3)	NUMBER DYING DURING AGE INTERVAL (4)	IN THE AGE INTERVAL (5)	IN THIS AND ALL SUBSEQUENT AGE INTERVALS (6)	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF AGE INTERVAL (7)
x to $x+n$	nq_x	l_x	n^d_x	nL_x	T_x	e_x
TOTAL						
0-1	0.0167	100,000	1,675	98,503	7,191,375	71.9
1-5	.0029	98,325	287	392,633	7,092,872	72.1
5-10	.0019	98,038	185	489,693	6,700,239	68.3
10-15	.0019	97,853	190	488,864	6,210,546	63.5
15-20	.0053	97,663	519	487,138	5,721,682	58.6
20-25	.0070	97,144	677	484,049	5,234,544	53.9
25-30	.0068	96,467	660	480,685	4,750,495	49.2
30-35	.0079	95,807	756	477,227	4,269,810	44.6
35-40	.0108	95,051	1,030	472,845	3,792,583	39.9
40-45	.0168	94,021	1,579	466,417	3,319,738	35.3
45-50	.0267	92,442	2,470	456,421	2,853,321	30.9
50-55	.0397	89,972	3,574	441,480	2,396,900	26.6
55-60	.0608	86,398	5,249	419,575	1,955,420	22.6
60-65	.0904	81,149	7,339	388,244	1,535,845	18.9
65-70	.1270	73,810	9,373	346,531	1,147,601	15.5
70-75	.1908	64,437	12,293	292,426	801,070	12.4
75-80	.2790	52,144	14,545	224,856	508,644	9.8
80-85	.3829	37,595	14,394	151,407	283,788	7.5
85 AND OVER	1.0000	23,201	23,201	132,381	132,381	5.7
MALE						
0-1	0.0187	100,000	1,874	98,323	6,814,371	68.1
1-5	.0032	98,126	318	391,773	6,716,048	68.4
5-10	.0022	97,808	220	488,454	6,324,275	64.7
10-15	.0024	97,588	238	487,459	5,835,821	59.8
15-20	.0078	97,350	755	485,059	5,348,362	54.9
20-25	.0106	96,595	1,020	480,456	4,863,303	50.3
25-30	.0098	95,575	938	475,492	4,382,847	45.9
30-35	.0107	94,637	1,011	470,744	3,907,355	41.3
35-40	.0141	93,626	1,323	465,025	3,436,611	36.7
40-45	.0213	92,303	1,970	456,917	2,971,586	32.2
45-50	.0349	90,333	3,151	444,297	2,514,669	27.8
50-55	.0524	87,182	4,567	425,232	2,070,372	23.7
55-60	.0815	82,615	6,729	397,159	1,645,140	19.9
60-65	.1223	75,886	9,282	357,178	1,247,981	16.4
65-70	.1741	66,604	11,599	304,825	890,803	13.4
70-75	.2510	55,005	13,807	240,962	585,978	10.7
75-80	.3505	41,198	14,441	169,512	345,016	8.4
80-85	.4539	26,757	12,146	102,127	175,504	6.6
85 AND OVER	1.0000	14,611	14,611	73,377	73,377	5.0
FEMALE						
0-1	0.0146	100,000	1,465	98,694	7,581,958	75.8
1-5	.0026	98,535	255	393,540	7,483,264	75.9
5-10	.0015	98,280	149	490,997	7,089,724	72.1
10-15	.0014	98,131	138	490,345	6,598,727	67.2
15-20	.0028	97,993	275	489,325	6,108,382	62.3
20-25	.0034	97,718	333	487,772	5,619,057	57.5
25-30	.0039	97,385	383	485,999	5,131,285	52.7
30-35	.0052	97,002	503	483,831	4,645,286	47.9
35-40	.0077	96,499	744	480,762	4,161,455	43.1
40-45	.0124	95,755	1,190	475,992	3,680,693	38.4
45-50	.0190	94,565	1,798	468,594	3,204,701	33.9
50-55	.0278	92,767	2,581	457,748	2,736,107	29.5
55-60	.0415	90,186	3,742	442,066	2,278,359	25.3
60-65	.0617	86,444	5,330	419,622	1,836,293	21.2
65-70	.0877	81,114	7,111	388,798	1,416,671	17.5
70-75	.1438	74,003	10,639	344,843	1,027,873	13.9
75-80	.2285	63,364	14,477	281,990	683,030	10.8
80-85	.3381	48,887	16,529	203,325	401,040	8.2
85 AND OVER	1.0000	32,358	32,358	197,715	197,715	6.1

SECTION 5 - LIFE TABLES

5-9

Table 5-1. Abridged Life Tables by Color and Sex: United States, 1974—Con.

AGE INTERVAL PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED IN YEARS (1)	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
	PROPORTION OF PERSONS ALIVE AT BEGINNING OF AGE INTERVAL DYING DURING INTERVAL (2)	NUMBER LIVING AT BEGINNING OF AGE INTERVAL (3)	NUMBER DYING DURING AGE INTERVAL (4)	IN THE AGE INTERVAL (5)	IN THIS AND ALL SUBSEQUENT AGE INTERVALS (6)	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF AGE INTERVAL (7)
x to $x+n$	nq_x	l_x	n^d_x	nL_x	T_x	e_x
WHITE						
0-1	0.0149	100,000	1,490	98,660	7,266,747	72.7
1-5	0.0027	98,510	261	393,440	7,168,087	72.8
5-10	0.0018	98,249	175	490,777	6,774,647	69.0
10-15	0.0019	98,074	183	489,983	6,283,870	64.1
15-20	0.0052	97,891	504	488,303	5,793,887	59.2
20-25	0.0062	97,387	605	485,427	5,305,584	54.5
25-30	0.0058	96,782	563	482,493	4,820,157	49.8
30-35	0.0065	96,219	627	479,595	4,337,664	45.1
35-40	0.0091	95,592	868	475,944	3,858,069	40.4
40-45	0.0145	94,724	1,373	470,441	3,382,125	35.7
45-50	0.0242	93,351	2,256	461,499	2,911,684	31.2
50-55	0.0366	91,095	3,337	447,691	2,450,185	26.9
55-60	0.0574	87,758	5,034	426,928	2,002,494	22.8
60-65	0.0867	82,724	7,171	396,559	1,575,566	19.0
65-70	0.1239	75,553	9,362	355,342	1,179,007	15.6
70-75	0.1847	66,191	12,222	301,472	823,665	12.4
75-80	0.2780	53,969	15,003	232,973	522,193	9.7
80-85	0.3885	38,966	15,140	156,410	289,220	7.4
85 AND OVER	1.0000	23,826	23,826	132,810	132,810	5.6
WHITE, MALE						
0-1	0.0168	100,000	1,682	98,484	6,893,421	68.9
1-5	0.0030	98,318	293	392,604	6,794,937	69.1
5-10	0.0021	98,025	207	489,576	6,402,333	65.3
10-15	0.0024	97,818	230	488,626	5,912,757	60.4
15-20	0.0075	97,588	735	486,283	5,424,131	55.6
20-25	0.0095	96,853	916	481,985	4,937,848	51.0
25-30	0.0083	95,937	795	477,651	4,455,863	46.4
30-35	0.0087	95,142	832	473,701	3,978,212	41.8
35-40	0.0118	94,310	1,109	468,970	3,504,511	37.2
40-45	0.0185	93,201	1,720	462,025	3,035,541	32.6
45-50	0.0317	91,481	2,903	450,659	2,573,516	28.1
50-55	0.0487	88,578	4,316	432,854	2,122,857	24.0
55-60	0.0775	84,262	6,528	405,934	1,690,003	20.1
60-65	0.1187	77,754	9,227	366,610	1,284,069	16.5
65-70	0.1718	68,507	11,770	313,986	917,459	13.4
70-75	0.2466	56,737	13,994	249,232	603,473	10.6
75-80	0.3511	42,743	15,006	175,887	354,241	8.3
80-85	0.4624	27,737	12,825	105,276	178,354	6.4
85 AND OVER	1.0000	14,912	14,912	73,078	73,078	4.9
WHITE, FEMALE						
0-1	0.0129	100,000	1,286	98,846	7,655,120	76.6
1-5	0.0023	98,714	228	394,327	7,556,274	76.5
5-10	0.0014	98,486	141	492,049	7,161,947	72.7
10-15	0.0014	98,345	134	491,421	6,669,898	67.8
15-20	0.0027	98,211	264	490,437	6,178,477	62.9
20-25	0.0030	97,947	290	489,017	5,688,040	58.1
25-30	0.0033	97,657	325	487,496	5,199,023	53.2
30-35	0.0043	97,332	419	485,675	4,711,527	48.4
35-40	0.0065	96,913	627	483,113	4,225,852	43.6
40-45	0.0106	96,286	1,021	479,062	3,742,739	38.9
45-50	0.0169	95,265	1,613	472,549	3,263,677	34.3
50-55	0.0251	93,652	2,355	462,730	2,791,128	29.8
55-60	0.0385	91,297	3,516	448,180	2,328,398	25.5
60-65	0.0576	87,781	5,053	426,989	1,880,218	21.4
65-70	0.0838	82,728	6,951	397,379	1,453,229	17.6
70-75	0.1365	75,797	10,347	354,650	1,055,850	13.9
75-80	0.2265	65,450	14,827	291,716	701,200	10.7
80-85	0.3420	50,623	17,312	210,117	409,484	8.1
85 AND OVER	1.0000	33,311	33,311	199,367	199,367	6.0

SECTION 5 - LIFE TABLES

Table 5-1. Abridged Life Tables by Color and Sex: United States, 1974—Con.

AGE INTERVAL PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED IN YEARS (1)	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
	PROPORTION OF PERSONS ALIVE AT BEGINNING OF AGE INTERVAL DYING DURING INTERVAL (2)	NUMBER LIVING AT BEGINNING OF AGE INTERVAL (3)	NUMBER DYING DURING AGE INTERVAL (4)	IN THE AGE INTERVAL (5)	IN THIS AND ALL SUBSEQUENT AGE INTERVALS (6)	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF AGE INTERVAL (7)
x to $x+n$	q_x	l_x	d_x	L_x	T_x	e_x
ALL OTHER						
0-1	0.0249	100,000	2,489	97,813	6,699,921	67.0
1-5	.0042	97,511	407	389,070	6,602,108	67.7
5-10	.0025	97,104	240	484,860	6,213,038	64.0
10-15	.0023	96,864	221	483,853	5,728,178	59.1
15-20	.0063	96,643	606	481,885	5,244,325	54.3
20-25	.0117	96,037	1,127	477,505	4,762,440	49.6
25-30	.0142	94,910	1,346	471,254	4,284,935	45.1
30-35	.0173	93,564	1,620	463,949	3,813,681	40.8
35-40	.0232	91,944	2,129	454,669	3,349,732	36.4
40-45	.0330	89,815	2,964	442,012	2,895,063	32.2
45-50	.0469	86,851	4,076	424,512	2,453,051	28.2
50-55	.0660	82,775	5,462	400,764	2,028,539	24.5
55-60	.0930	77,313	7,192	369,188	1,627,775	21.1
60-65	.1246	70,121	8,734	329,384	1,258,587	17.9
65-70	.1540	61,387	9,454	283,746	929,203	15.1
70-75	.2554	51,933	13,264	226,739	645,457	12.4
75-80	.2906	38,669	11,238	164,648	418,718	10.8
80-85	.3144	27,431	8,625	114,810	254,070	9.3
85 AND OVER	1.0000	18,806	18,806	139,260	139,260	7.4
ALL OTHER, MALE						
0-1	0.0273	100,000	2,728	97,603	6,286,599	62.9
1-5	.0045	97,272	442	388,043	6,188,996	63.6
5-10	.0030	96,830	288	483,367	5,800,953	59.9
10-15	.0029	96,542	282	482,137	5,317,586	55.1
15-20	.0091	96,260	876	479,410	4,835,449	50.2
20-25	.0179	95,384	1,712	472,863	4,356,039	45.7
25-30	.0215	93,672	2,013	463,361	3,883,176	41.5
30-35	.0251	91,659	2,303	452,728	3,419,815	37.3
35-40	.0322	89,356	2,876	439,909	2,967,087	33.2
40-45	.0433	86,480	3,745	423,424	2,527,178	29.2
45-50	.0609	82,735	5,037	401,581	2,103,754	25.4
50-55	.0846	77,698	6,572	372,664	1,702,173	21.9
55-60	.1204	71,126	8,567	334,796	1,329,509	18.7
60-65	.1552	62,559	9,708	288,993	994,713	15.9
65-70	.1951	52,851	10,314	238,736	705,720	13.4
70-75	.2925	42,537	12,440	181,491	466,984	11.0
75-80	.3443	30,097	10,361	123,645	285,493	9.5
80-85	.3600	19,736	7,106	79,946	161,848	8.2
85 AND OVER	1.0000	12,630	12,630	81,902	81,902	6.5
ALL OTHER, FEMALE						
0-1	0.0224	100,000	2,241	98,031	7,125,521	71.3
1-5	.0038	97,759	372	390,134	7,027,490	71.9
5-10	.0020	97,387	192	486,401	6,637,356	68.2
10-15	.0016	97,195	160	485,619	6,150,955	63.3
15-20	.0035	97,035	337	484,418	5,665,336	58.4
20-25	.0061	96,698	590	482,091	5,180,918	53.6
25-30	.0079	96,108	759	478,735	4,698,827	48.9
30-35	.0107	95,349	1,019	474,363	4,220,092	44.3
35-40	.0157	94,330	1,477	468,183	3,745,729	39.7
40-45	.0243	92,853	2,261	458,907	3,277,546	35.3
45-50	.0346	90,592	3,134	445,496	2,818,639	31.1
50-55	.0495	87,458	4,332	426,916	2,373,143	27.1
55-60	.0686	83,126	5,700	401,948	1,946,227	23.4
60-65	.0972	77,426	7,525	369,053	1,544,279	19.9
65-70	.1204	69,901	8,419	329,044	1,175,226	16.8
70-75	.2218	61,482	13,639	273,868	846,182	13.8
75-80	.2472	47,843	11,826	209,437	572,314	12.0
80-85	.2821	36,617	10,161	154,182	362,877	10.1
85 AND OVER	1.0000	25,856	25,856	208,695	208,695	8.1

SECTION 5 - LIFE TABLES

5-11

Table 5-2. Number of Survivors at Single Years of Age, Out of 100,000 Born Alive, by Color and Sex: United States, 1974

AGE	TOTAL			WHITE			ALL OTHER		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,325	98,126	98,535	98,510	98,318	98,714	97,511	97,272	97,759
2	98,228	98,017	98,450	98,421	98,216	98,638	97,378	97,130	97,636
3	98,152	97,933	98,382	98,352	98,139	98,577	97,269	97,013	97,535
4	98,090	97,865	98,326	98,296	98,077	98,527	97,179	96,914	97,453
5	98,038	97,808	98,280	98,249	98,025	98,486	97,104	96,830	97,387
6	97,993	97,756	98,242	98,207	97,977	98,451	97,041	96,757	97,334
7	97,953	97,708	98,209	98,169	97,932	98,420	96,987	96,693	97,290
8	97,916	97,663	98,180	98,134	97,890	98,393	96,940	96,636	97,254
9	97,883	97,623	98,154	98,102	97,852	98,368	96,900	96,586	97,223
10	97,853	97,588	98,131	98,074	97,818	98,345	96,864	96,542	97,195
11	97,826	97,557	98,109	98,048	97,789	98,323	96,831	96,502	97,168
12	97,799	97,526	98,086	98,022	97,760	98,301	96,797	96,461	97,141
13	97,767	97,487	98,060	97,991	97,723	98,276	96,758	96,413	97,111
14	97,723	97,431	98,030	97,949	97,668	98,247	96,708	96,348	97,076
15	97,663	97,350	97,993	97,891	97,588	98,211	96,643	96,260	97,035
16	97,586	97,241	97,949	97,815	97,481	98,168	96,561	96,146	96,986
17	97,492	97,107	97,898	97,722	97,348	98,118	96,462	96,006	96,929
18	97,384	96,951	97,841	97,616	97,194	98,063	96,343	95,835	96,862
19	97,267	96,779	97,780	97,503	97,027	98,005	96,202	95,628	96,785
20	97,144	96,595	97,718	97,387	96,853	97,947	96,037	95,384	96,698
21	97,015	96,401	97,655	97,268	96,673	97,890	95,848	95,099	96,599
22	96,880	96,197	97,590	97,146	96,487	97,833	95,635	94,776	96,488
23	96,742	95,987	97,523	97,023	96,299	97,775	95,403	94,423	96,368
24	96,603	95,778	97,455	96,901	96,115	97,717	95,160	94,052	96,241
25	96,467	95,575	97,385	96,782	95,937	97,657	94,910	93,672	96,108
26	96,334	95,380	97,313	96,666	95,768	97,596	94,655	93,286	95,971
27	96,203	95,191	97,240	96,554	95,607	97,533	94,394	92,892	95,827
28	96,073	95,007	97,164	96,443	95,451	97,469	94,126	92,491	95,676
29	95,942	94,823	97,085	96,332	95,297	97,402	93,850	92,080	95,517
30	95,807	94,637	97,002	96,219	95,142	97,332	93,564	91,659	95,349
31	95,668	94,447	96,914	96,103	94,985	97,259	93,267	91,227	95,171
32	95,524	94,253	96,821	95,984	94,825	97,181	92,959	90,784	94,981
33	95,374	94,052	96,721	95,860	94,661	97,098	92,637	90,327	94,779
34	95,217	93,844	96,614	95,730	94,490	97,009	92,300	89,852	94,562
35	95,051	93,626	96,499	95,592	94,310	96,913	91,944	89,356	94,330
36	94,875	93,395	96,375	95,445	94,119	96,809	91,568	88,836	94,081
37	94,686	93,149	96,241	95,287	93,915	96,696	91,170	88,290	93,813
38	94,482	92,887	96,094	95,115	93,695	96,573	90,748	87,717	93,522
39	94,261	92,606	95,933	94,928	93,458	96,437	90,297	87,114	93,203
40	94,021	92,303	95,755	94,724	93,201	96,286	89,815	86,480	92,853
41	93,760	91,976	95,558	94,501	92,922	96,120	89,299	85,813	92,469
42	93,475	91,622	95,342	94,257	92,618	95,936	88,746	85,110	92,049
43	93,163	91,235	95,105	93,987	92,282	95,734	88,155	84,366	91,595
44	92,820	90,807	94,846	93,686	91,905	95,511	87,524	83,576	91,109
45	92,442	90,333	94,565	93,351	91,481	95,265	86,851	82,735	90,592
46	92,027	89,807	94,259	92,978	91,005	94,994	86,133	81,840	90,043
47	91,572	89,227	93,926	92,565	90,475	94,697	85,368	80,889	89,459
48	91,077	88,595	93,567	92,112	89,892	94,374	84,555	79,882	88,837
49	90,544	87,913	93,181	91,622	89,259	94,026	83,691	78,818	88,171
50	89,972	87,182	92,767	91,095	88,578	93,652	82,775	77,698	87,458
51	89,360	86,401	92,323	90,529	87,848	93,251	81,805	76,522	86,694
52	88,703	85,563	91,846	89,920	87,061	92,819	80,779	75,287	85,878
53	87,995	84,660	91,334	89,260	86,209	92,353	79,693	73,984	85,011
54	87,229	83,680	90,782	88,542	85,279	91,847	78,539	72,600	84,094
55	86,398	82,615	90,186	87,758	84,262	91,297	77,313	71,126	83,126
56	85,499	81,460	89,544	86,904	83,154	90,699	76,015	69,559	82,111
57	84,529	80,215	88,854	85,978	81,953	90,052	74,646	67,906	81,044
58	83,484	78,874	88,110	84,976	80,653	89,352	73,207	66,178	79,916
59	82,359	77,432	87,308	83,893	79,248	88,596	71,698	64,391	78,713
60	81,149	75,886	86,444	82,724	77,734	87,781	70,121	62,559	77,426
61	79,850	74,233	85,510	81,465	76,107	86,901	68,468	60,682	76,039
62	78,460	72,474	84,503	80,115	74,368	85,953	66,741	58,760	74,556
63	76,985	70,612	83,430	78,676	72,519	84,939	64,965	56,806	73,010
64	75,433	68,654	82,299	77,154	70,564	83,864	63,174	54,833	71,449
65	73,810	66,604	81,114	75,553	68,507	82,728	61,387	52,851	69,901
66	72,120	64,469	79,876	73,872	66,350	81,529	59,631	50,877	68,396
67	70,355	62,248	78,572	72,107	64,096	80,255	57,889	48,905	66,910
68	68,500	59,935	77,179	70,247	61,743	78,890	56,087	46,893	65,344
69	66,532	57,522	75,664	68,278	59,290	77,410	54,124	44,783	63,564
70	64,437	55,005	74,003	66,191	56,737	75,797	51,933	42,537	61,482
71	62,214	52,391	72,190	63,988	54,093	74,049	49,488	40,143	59,060
72	59,870	49,691	70,226	61,673	51,368	72,161	46,834	37,632	56,352
73	57,407	46,916	68,104	59,237	48,565	70,113	44,064	35,067	53,475
74	54,829	44,080	65,817	56,670	45,687	67,881	41,309	32,533	50,597
75	52,144	41,198	63,364	53,969	42,743	65,450	38,669	30,097	47,843
76	49,362	38,287	60,748	51,141	39,748	62,819	36,186	27,790	45,262
77	46,498	35,365	57,977	48,202	36,722	60,000	33,855	25,615	42,841
78	43,568	32,454	55,065	45,175	33,692	57,011	31,642	23,558	40,529
79	40,593	29,576	52,029	42,087	30,687	53,877	29,509	21,601	38,267
80	37,595	26,757	48,887	38,966	27,737	50,623	27,431	19,736	36,017
81	34,598	24,025	45,659	35,840	24,873	47,271	25,408	17,969	33,770
82	31,630	21,410	42,367	32,736	22,126	43,845	23,465	16,325	31,550
83	28,720	18,946	39,036	29,682	19,529	40,364	21,658	14,845	29,421
84	25,899	16,667	35,690	26,703	17,113	36,847	20,069	13,588	27,479
85	23,201	14,611	32,358	23,826	14,912	33,311	18,806	12,630	25,856

SECTION 5 - LIFE TABLES

Table 5-3. Expectation of Life at Single Years of Age, by Color and Sex: United States, 1974

AGE	TOTAL			WHITE			ALL OTHER		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
0	71.9	68.1	75.8	72.7	68.9	76.6	67.0	62.9	71.3
1	72.1	68.4	75.9	72.8	69.1	76.5	67.7	63.6	71.9
2	71.2	67.5	75.0	71.8	68.2	75.6	66.8	62.7	71.0
3	70.3	66.6	74.1	70.9	67.2	74.7	65.9	61.8	70.0
4	69.3	65.6	73.1	69.9	66.3	73.7	64.9	60.9	69.1
5	68.3	64.7	72.1	69.0	65.3	72.7	64.0	59.9	68.2
6	67.4	63.7	71.2	68.0	64.3	71.7	63.0	59.0	67.2
7	66.4	62.7	70.2	67.0	63.4	70.8	62.1	58.0	66.2
8	65.4	61.8	69.2	66.0	62.4	69.8	61.1	57.0	65.2
9	64.4	60.8	68.2	65.1	61.4	68.8	60.1	56.1	64.3
10	63.5	59.8	67.2	64.1	60.4	67.8	59.1	55.1	63.3
11	62.5	58.8	66.3	63.1	59.5	66.8	58.2	54.1	62.3
12	61.5	57.8	65.3	62.1	58.5	65.9	57.2	53.1	61.3
13	60.5	56.9	64.3	61.1	57.5	64.9	56.2	52.2	60.3
14	59.5	55.9	63.3	60.2	56.5	63.9	55.2	51.2	59.4
15	58.6	54.9	62.3	59.2	55.6	62.9	54.3	50.2	58.4
16	57.6	54.0	61.4	58.2	54.6	61.9	53.3	49.3	57.4
17	56.7	53.1	60.4	57.3	53.7	61.0	52.4	48.4	56.4
18	55.7	52.2	59.4	56.3	52.8	60.0	51.4	47.4	55.5
19	54.8	51.3	58.5	55.4	51.9	59.0	50.5	46.6	54.5
20	53.9	50.3	57.5	54.5	51.0	58.1	49.6	45.7	53.6
21	53.0	49.4	56.5	53.5	50.1	57.1	48.7	44.8	52.6
22	52.0	48.6	55.6	52.6	49.2	56.1	47.8	44.0	51.7
23	51.1	47.7	54.6	51.7	48.3	55.2	46.9	43.1	50.8
24	50.2	46.8	53.7	50.7	47.4	54.2	46.0	42.2	49.8
25	49.2	45.9	52.7	49.8	46.4	53.2	45.1	41.5	48.9
26	48.3	45.0	51.7	48.9	45.5	52.3	44.3	40.6	48.0
27	47.4	44.0	50.8	47.9	44.6	51.3	43.4	39.8	47.0
28	46.4	43.1	49.8	47.0	43.7	50.3	42.5	39.0	46.1
29	45.5	42.2	48.8	46.0	42.7	49.4	41.6	38.1	45.2
30	44.6	41.3	47.9	45.1	41.8	48.4	40.8	37.3	44.3
31	43.6	40.4	46.9	44.1	40.9	47.4	39.9	36.5	43.3
32	42.7	39.5	46.0	43.2	39.9	46.5	39.0	35.7	42.4
33	41.8	38.5	45.0	42.2	39.0	45.5	38.2	34.8	41.5
34	40.8	37.6	44.1	41.3	38.1	44.6	37.3	34.0	40.6
35	39.9	36.7	43.1	40.4	37.2	43.6	36.4	33.2	39.7
36	39.0	35.8	42.2	39.4	36.2	42.7	35.6	32.4	38.8
37	38.1	34.9	41.2	38.5	35.3	41.7	34.7	31.6	37.9
38	37.1	34.0	40.3	37.6	34.4	40.8	33.9	30.8	37.0
39	36.2	33.1	39.4	36.6	33.5	39.8	33.1	30.0	36.2
40	35.3	32.2	38.4	35.7	32.6	38.9	32.2	29.2	35.3
41	34.4	31.3	37.5	34.8	31.7	37.9	31.4	28.4	34.4
42	33.5	30.4	36.6	33.9	30.8	37.0	30.6	27.7	33.6
43	32.6	29.6	35.7	33.0	29.9	36.1	29.8	26.9	32.8
44	31.7	28.7	34.8	32.1	29.0	35.2	29.0	26.2	31.9
45	30.9	27.8	33.9	31.2	28.1	34.3	28.2	25.4	31.1
46	30.0	27.0	33.0	30.3	27.3	33.4	27.5	24.7	30.3
47	29.1	26.2	32.1	29.4	26.4	32.5	26.7	24.0	29.5
48	28.3	25.4	31.2	28.6	25.6	31.6	26.0	23.3	28.7
49	27.5	24.5	30.4	27.7	24.8	30.7	25.2	22.6	27.9
50	26.6	23.7	29.5	26.9	24.0	29.8	24.5	21.9	27.1
51	25.8	23.0	28.6	26.1	23.2	28.9	23.8	21.2	26.4
52	25.0	22.2	27.8	25.2	22.4	28.1	23.1	20.6	25.6
53	24.2	21.4	26.9	24.4	21.6	27.2	22.4	19.9	24.9
54	23.4	20.7	26.1	23.6	20.8	26.3	21.7	19.3	24.1
55	22.6	19.9	25.3	22.8	20.1	25.5	21.1	18.7	23.4
56	21.9	19.2	24.4	22.0	19.3	24.7	20.4	18.1	22.7
57	21.1	18.5	23.6	21.3	18.6	23.8	19.8	17.5	22.0
58	20.4	17.8	22.8	20.5	17.9	23.0	19.2	17.0	21.3
59	19.6	17.1	22.0	19.8	17.2	22.2	18.5	16.4	20.6
60	18.9	16.4	21.2	19.0	16.5	21.4	17.9	15.9	19.9
61	18.2	15.8	20.5	18.3	15.9	20.6	17.4	15.4	19.3
62	17.5	15.2	19.7	17.6	15.2	19.9	16.8	14.9	18.7
63	16.9	14.6	19.0	16.9	14.6	19.1	16.2	14.4	18.1
64	16.2	14.0	18.2	16.3	14.0	18.3	15.7	13.9	17.4
65	15.5	13.4	17.5	15.6	13.4	17.6	15.1	13.4	16.8
66	14.9	12.8	16.7	14.9	12.8	16.8	14.6	12.9	16.2
67	14.3	12.2	16.0	14.3	12.2	16.1	14.0	12.4	15.5
68	13.6	11.7	15.3	13.7	11.7	15.3	13.4	11.9	14.9
69	13.0	11.2	14.6	13.0	11.2	14.6	12.9	11.4	14.3
70	12.4	10.7	13.9	12.4	10.6	13.9	12.4	11.0	13.8
71	11.9	10.2	13.2	11.9	10.1	13.2	12.0	10.6	13.3
72	11.3	9.7	12.6	11.3	9.6	12.6	11.7	10.3	12.9
73	10.8	9.2	12.0	10.7	9.2	11.9	11.4	10.0	12.6
74	10.3	8.8	11.4	10.2	8.7	11.3	11.1	9.7	12.3
75	9.8	8.4	10.8	9.7	8.3	10.7	10.8	9.5	12.0
76	9.3	8.0	10.2	9.2	7.9	10.1	10.5	9.2	11.6
77	8.8	7.6	9.7	8.7	7.5	9.6	10.2	9.0	11.2
78	8.4	7.2	9.2	8.3	7.1	9.1	9.9	8.7	10.8
79	8.0	6.9	8.7	7.8	6.8	8.6	9.6	8.5	10.5
80	7.5	6.6	8.2	7.4	6.4	8.1	9.3	8.2	10.1
81	7.2	6.2	7.7	7.0	6.1	7.6	9.0	7.9	9.7
82	6.8	5.9	7.3	6.6	5.8	7.2	8.6	7.7	9.3
83	6.4	5.6	6.9	6.3	5.5	6.8	8.3	7.4	9.0
84	6.1	5.3	6.5	5.9	5.2	6.4	7.9	7.0	8.6
85	5.7	5.0	6.1	5.6	4.9	6.0	7.4	6.5	8.1

SECTION 5 - LIFE TABLES

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Table 5-4. Life Table Values by Color and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1974

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration. States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. For 1900-1902 to 1929-31, figures for "All other, male" and "All other, female" cover only Negroes. However, in no case did the Negro population comprise less than 95 percent of the corresponding "All other" population]

AGE, COLOR, AND SEX	NUMBER OF SURVIVORS OUT OF 100,000 BORN ALIVE (<i>l_x</i>)								
	1974 ¹	1969-71 ¹	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
WHITE, MALE									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,318	97,994	97,408	96,931	95,188	93,768	91,975	87,674	86,655
5	98,025	97,671	97,015	96,403	94,150	91,738	88,842	82,972	80,864
10	97,818	97,441	96,758	96,069	93,601	90,810	87,530	81,519	79,109
15	97,588	97,208	96,503	95,728	93,089	90,074	86,546	80,549	78,037
20	96,853	96,480	95,908	95,104	92,293	88,904	84,997	79,116	76,376
25	95,937	95,524	95,106	94,294	91,241	87,371	83,061	77,047	73,907
30	95,142	94,716	94,401	93,489	90,092	85,707	80,888	74,810	71,219
35	94,310	93,843	93,589	92,543	88,713	83,812	78,441	72,108	68,245
40	93,201	92,631	92,427	91,173	86,880	81,457	75,733	68,848	64,954
45	91,481	90,725	90,533	89,002	84,285	78,345	72,696	65,115	61,369
50	88,578	87,690	87,424	85,601	80,521	74,288	69,107	60,741	57,274
55	84,262	83,001	82,463	80,496	75,156	68,981	64,574	55,622	52,491
60	77,734	75,969	75,485	73,172	67,787	61,993	58,498	48,987	46,452
65	68,507	66,343	65,834	63,541	58,305	52,964	50,663	40,862	39,245
70	56,737	54,138	53,825	51,735	46,739	41,880	40,873	31,527	30,640
75	42,743	40,324	40,207	38,104	33,404	29,471	29,205	21,387	21,387
80	27,737	25,885	25,993	24,005	19,860	17,221	17,655	12,160	12,266
85	14,912	13,527	13,065	12,015	9,013	7,572	8,154	5,145	5,252
ALL OTHER, MALE									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	97,272	96,592	95,301	94,911	91,696	91,268	89,499	78,065	74,764
5	96,830	96,038	94,570	93,921	89,920	88,412	85,195	68,589	64,385
10	96,542	95,716	94,234	93,453	89,211	87,311	83,768	66,377	61,730
15	96,260	95,385	93,874	92,965	88,417	86,152	82,332	64,478	59,667
20	95,384	94,293	93,108	91,941	86,770	83,621	79,057	61,426	56,733
25	93,672	92,267	91,825	90,285	84,055	79,516	74,540	57,736	53,285
30	91,659	90,106	90,270	88,327	80,865	75,083	70,344	54,073	49,867
35	89,356	87,597	88,331	85,940	77,185	70,049	65,873	49,865	46,541
40	86,480	84,378	85,744	82,832	72,830	64,710	61,353	45,414	42,989
45	82,735	80,163	82,075	78,686	67,514	58,432	56,589	40,563	39,230
50	77,698	74,748	77,239	72,891	60,766	51,748	51,880	35,427	34,766
55	71,126	67,808	70,351	65,122	52,867	44,436	46,581	29,754	29,987
60	62,559	59,396	61,669	55,535	44,370	36,790	40,506	23,750	24,194
65	52,851	49,607	51,392	45,198	35,912	29,314	34,042	17,806	19,015
70	42,537	39,025	39,914	35,018	27,688	21,741	26,923	12,295	13,829
75	30,097	27,789	29,064	25,472	19,765	14,419	18,854	7,494	8,852
80	19,736	17,999	19,994	16,904	12,352	8,239	11,615	3,894	4,831
85	12,630	10,811	11,620	9,898	6,492	3,660	5,605	1,747	2,030
WHITE, FEMALE									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,714	98,468	98,036	97,645	96,211	95,037	93,608	89,774	88,939
5	98,486	98,203	97,709	97,199	95,309	93,216	90,721	85,349	83,426
10	98,345	98,042	97,525	96,960	94,890	92,466	89,564	83,979	81,723
15	98,211	97,902	97,375	96,756	94,534	91,894	88,712	83,093	80,680
20	97,947	97,618	97,135	96,454	93,984	90,939	87,281	81,750	78,978
25	97,657	97,299	96,844	96,072	93,228	89,524	85,163	79,865	76,588
30	97,332	96,945	96,499	95,605	92,320	87,972	82,740	77,676	73,887
35	96,913	96,474	96,026	94,977	91,211	86,248	80,206	75,200	70,971
40	96,286	95,762	95,326	94,080	89,805	84,256	77,624	72,425	67,935
45	95,265	94,649	94,228	92,725	87,920	81,780	74,871	69,341	64,677
50	93,652	92,924	92,522	90,685	85,267	78,572	71,547	65,629	61,005
55	91,297	90,383	89,967	87,699	81,520	74,321	67,323	61,053	56,509
60	87,781	86,726	86,339	83,279	76,200	68,462	61,704	54,900	50,752
65	82,728	81,579	80,739	76,773	68,701	60,499	54,299	47,086	43,806
70	75,797	74,101	72,507	67,545	58,363	49,932	44,638	37,482	35,206
75	65,450	63,290	60,461	54,397	44,685	37,024	32,777	26,569	25,362
80	50,623	48,182	44,676	38,026	28,882	23,053	20,492	15,929	15,349
85	33,311	30,490	26,046	21,348	14,487	10,937	9,909	7,152	7,149
ALL OTHER, FEMALE									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	97,759	97,235	96,172	95,913	93,318	92,796	91,251	81,493	78,525
5	97,387	96,772	95,543	95,055	91,710	90,185	87,149	72,768	68,056
10	97,195	96,546	95,265	94,679	91,092	89,201	85,607	70,508	65,111
15	97,035	96,353	95,057	94,343	90,363	88,088	83,954	68,218	62,384
20	96,698	95,917	94,660	93,544	88,505	85,078	80,154	64,764	59,053
25	96,108	95,247	94,005	92,336	85,961	81,067	75,359	61,430	55,795
30	95,349	94,370	93,070	90,799	83,147	76,816	70,633	58,281	52,773
35	94,330	93,123	91,670	88,805	79,879	72,192	65,857	54,595	49,567
40	92,853	91,247	89,676	86,052	75,908	67,271	61,130	50,568	46,146
45	90,592	88,608	86,793	82,257	71,061	61,365	56,230	45,947	42,279
50	87,458	84,964	82,979	77,007	64,886	54,920	50,780	40,886	37,681
55	83,126	80,162	77,362	70,196	57,419	47,074	44,742	35,415	33,124
60	77,426	73,984	69,941	61,758	49,102	38,761	37,954	28,908	27,524
65	69,901	66,064	60,825	52,358	40,718	30,852	31,044	22,302	21,995
70	61,482	56,375	51,274	42,612	32,579	23,341	24,107	15,871	16,140
75	47,843	44,841	40,540	32,981	24,668	16,576	17,216	10,657	11,066
80	36,017	33,373	30,315	23,712	17,157	10,822	11,151	6,324	6,708
85	25,856	22,763	19,744	15,550	10,658	6,033	5,972	3,029	3,567

¹Deaths of nonresidents of the United States were excluded beginning in 1970.

SECTION 5 · LIFE TABLES

Table 5-4. Life Table Values by Color and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1974—Con.

[See headnote at beginning of table]

AGE, COLOR, AND SEX	AVERAGE NUMBER OF YEARS OF LIFE REMAINING (e _x)								
	1974 ¹	1969-71 ¹	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
WHITE, MALE									
0	68.9	67.9	67.55	66.31	62.81	59.12	56.34	50.23	48.23
1	69.1	68.3	68.34	67.41	64.98	62.04	60.24	56.26	54.61
5	65.3	64.5	64.61	63.77	61.68	59.38	58.31	55.37	54.43
10	60.4	59.6	59.6	58.98	57.03	54.96	54.15	51.32	50.59
15	55.6	54.8	54.93	54.18	52.33	50.39	49.74	46.91	46.25
20	51.0	50.2	50.25	49.52	47.76	46.02	45.60	42.71	42.19
25	46.4	45.7	45.65	44.93	43.28	41.78	41.60	38.79	38.52
30	41.8	41.0	40.97	40.29	38.80	37.54	37.65	34.87	34.88
35	37.2	36.4	36.31	35.68	34.36	33.33	33.74	31.08	31.29
40	32.6	31.8	31.73	31.17	30.03	29.22	29.86	27.43	27.74
45	28.1	27.4	27.34	26.87	25.87	25.28	26.00	23.86	24.21
50	24.0	23.3	23.22	22.83	21.96	21.51	22.22	20.39	20.76
55	20.1	19.5	19.45	19.11	18.34	17.97	18.59	17.03	17.42
60	16.5	16.0	16.01	15.76	15.05	14.72	15.25	13.98	14.35
65	13.4	13.0	12.97	12.75	12.07	11.77	12.21	11.25	11.51
70	10.6	10.3	10.29	10.07	9.42	9.20	9.51	8.83	9.03
75	8.3	8.0	7.92	7.77	7.17	7.02	7.30	6.83	6.84
80	6.4	6.1	5.89	5.88	5.38	5.26	5.47	5.09	5.10
85	4.9	4.6	4.34	4.35	4.02	3.99	4.06	3.88	3.81
ALL OTHER, MALE									
0	62.9	60.9	61.48	58.91	52.33	47.55	47.14	34.05	32.54
1	63.6	62.1	63.50	61.06	56.05	51.08	51.63	42.53	42.46
5	59.9	58.4	59.98	57.69	53.13	48.69	50.18	44.25	45.06
10	55.1	53.6	55.19	52.96	48.54	44.27	45.99	40.65	41.90
15	50.2	48.8	50.39	48.23	43.95	39.83	41.75	36.77	38.26
20	45.7	44.3	45.78	43.73	39.74	35.95	38.36	33.46	35.11
25	41.5	40.2	41.38	39.49	35.94	32.67	35.54	30.44	32.21
30	37.3	36.2	37.05	35.31	32.25	29.45	32.51	27.33	29.25
35	33.2	32.1	32.81	31.21	28.67	26.39	29.54	24.42	26.16
40	29.2	28.2	28.72	27.29	25.23	23.36	26.53	21.57	23.12
45	25.4	24.6	24.89	23.59	22.02	20.59	23.55	18.85	20.09
50	21.9	21.2	21.28	20.25	19.18	17.92	20.47	16.21	17.34
55	18.7	18.1	18.11	17.36	16.67	15.46	17.50	13.82	14.69
60	15.9	15.3	15.29	14.91	14.38	13.15	14.74	11.67	12.62
65	13.4	12.8	12.84	12.75	12.18	10.87	12.07	9.74	10.38
70	11.0	10.6	10.81	10.74	10.06	8.78	9.58	8.00	8.33
75	9.5	8.9	8.93	8.83	8.09	6.99	7.61	6.58	6.60
80	8.2	7.5	6.87	7.07	6.46	5.42	5.83	5.53	5.12
85	6.5	6.0	5.08	5.38	5.08	4.30	4.53	4.48	4.04
WHITE, FEMALE									
0	76.6	75.4	74.19	72.03	67.29	62.67	58.53	53.62	51.08
1	76.5	75.6	74.68	72.77	68.93	64.93	61.51	58.69	56.39
5	72.7	71.8	70.92	69.09	65.57	62.17	59.43	57.67	56.03
10	67.8	66.9	66.05	64.26	60.85	57.65	55.17	53.57	52.15
15	62.9	62.0	61.15	59.39	56.07	53.00	50.67	49.12	47.79
20	58.1	57.2	56.29	54.56	51.38	48.52	46.46	44.88	43.77
25	53.2	52.4	51.49	49.77	46.78	44.25	42.55	40.88	40.05
30	48.4	47.6	46.63	45.00	42.21	39.99	38.72	36.96	36.42
35	43.6	42.8	41.84	40.28	37.70	35.73	34.86	33.09	32.82
40	38.9	38.1	37.13	35.64	33.25	31.52	30.94	29.26	29.17
45	34.3	33.5	32.53	31.12	28.90	27.39	26.98	25.45	25.51
50	29.8	29.1	28.08	26.76	24.72	23.41	23.12	21.74	21.89
55	25.5	24.8	23.81	22.58	20.73	19.60	19.40	18.18	18.43
60	21.4	20.7	19.69	18.64	17.00	16.05	15.93	14.92	15.23
65	17.6	16.9	15.88	15.00	13.56	12.81	12.75	11.97	12.23
70	13.9	13.3	12.38	11.68	10.50	9.98	9.94	9.38	9.59
75	10.7	10.2	9.28	8.87	7.92	7.56	7.62	7.20	7.33
80	8.1	7.5	6.67	6.59	5.88	5.63	5.70	5.35	5.50
85	6.0	5.5	4.66	4.83	4.34	4.24	4.24	4.06	4.10
ALL OTHER, FEMALE									
0	71.3	69.0	66.47	62.70	55.51	49.51	46.92	37.67	35.04
1	71.9	70.0	68.10	64.37	58.47	52.33	50.39	45.15	43.54
5	68.2	66.3	64.54	60.93	55.47	49.81	48.70	46.42	46.04
10	63.3	61.4	59.72	56.17	50.83	45.33	44.54	42.84	43.02
15	58.4	56.6	54.85	51.36	46.22	40.87	40.36	39.18	39.79
20	53.6	51.8	50.07	46.77	42.14	37.22	37.15	36.14	36.89
25	48.9	47.1	45.40	42.35	38.31	33.93	34.35	32.97	33.90
30	44.3	42.6	40.83	38.02	34.52	30.67	31.48	29.61	30.70
35	39.7	38.1	36.41	33.82	30.83	27.47	28.58	26.44	27.52
40	35.3	33.8	32.16	29.82	27.31	24.30	25.60	23.34	24.37
45	31.1	29.8	28.14	26.07	24.00	21.39	22.61	20.43	21.36
50	27.1	25.9	24.31	22.67	21.04	18.60	19.76	17.65	18.67
55	23.4	22.3	20.89	19.62	18.44	16.27	17.09	14.98	15.88
60	19.9	19.0	17.83	16.95	16.14	14.22	14.69	12.78	13.60
65	16.8	15.9	15.12	14.54	13.95	12.24	12.41	10.82	11.38
70	13.8	13.3	12.46	12.29	11.81	10.38	10.25	9.22	9.62
75	12.0	11.0	10.10	10.15	9.80	8.62	8.37	7.55	7.90
80	10.1	9.0	7.66	8.15	8.00	6.90	6.58	6.05	6.48
85	8.1	7.0	5.44	6.15	6.38	5.48	5.22	5.09	5.10

¹Deaths of nonresidents of the United States were excluded beginning in 1970.

SECTION 5 - LIFE TABLES

5-15

Table 5-5. Estimated Average Length of Life in Years, by Color and Sex: Death-Registration States, 1900-1928, and United States, 1929-74

[Estimates based on life table values shown in table 5-4]

AREA AND YEAR	TOTAL			WHITE			ALL OTHER		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
UNITED STATES									
1974 ¹	71.9	68.1	75.8	72.7	68.9	76.6	67.0	62.9	71.3
1973 ²	71.3	67.6	75.3	72.2	68.4	76.1	65.9	61.9	70.1
1972 ²	71.1	67.4	75.1	72.0	68.3	75.9	65.6	61.5	69.9
1971 ¹	71.1	67.4	75.0	72.0	68.3	75.8	65.6	61.6	69.7
1970 ¹	70.9	67.1	74.8	71.7	68.0	75.6	65.3	61.3	69.4
1969	70.4	66.8	74.3	71.3	67.8	75.1	64.3	60.5	68.4
1968	70.2	66.6	74.0	71.1	67.5	74.9	63.7	60.1	67.5
1967	70.5	67.0	74.2	71.3	67.8	75.1	64.6	61.1	68.2
1966	70.1	66.7	73.8	71.0	67.6	74.7	64.0	60.7	67.4
1965	70.2	66.8	73.7	71.0	67.6	74.7	64.1	61.1	67.4
1964	70.2	66.9	73.7	71.0	67.7	74.6	64.1	61.1	67.2
1963	69.9	66.6	73.4	70.8	67.5	74.4	63.6	60.9	66.5
1962	70.0	66.8	73.4	70.9	67.6	74.4	64.1	61.5	66.8
1961	70.2	67.0	73.6	71.0	67.8	74.5	64.4	61.9	67.0
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3
1959	69.9	66.8	73.2	70.7	67.5	74.2	63.9	61.3	66.5
1958	69.6	66.6	72.9	70.5	67.4	73.9	63.4	61.0	65.8
1957	69.5	66.4	72.7	70.3	67.2	73.7	63.0	60.7	65.5
1956	69.7	66.7	72.9	70.5	67.5	73.9	63.6	61.3	66.1
1955	69.6	66.7	72.8	70.5	67.4	73.7	63.7	61.4	66.1
1954	69.6	66.7	72.8	70.5	67.5	73.7	63.4	61.1	65.9
1953	68.8	66.0	72.0	69.7	66.8	73.0	62.0	59.1	64.5
1952	68.6	65.8	71.6	69.5	66.6	72.8	61.4	59.1	63.8
1951	68.4	65.6	71.4	69.3	66.5	72.4	61.2	59.2	63.4
1950	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9
1949	68.0	65.2	70.7	68.8	66.2	71.9	60.6	58.9	62.7
1948	67.2	64.6	69.9	68.0	65.5	71.0	60.0	58.1	62.5
1947	66.8	64.4	69.7	67.6	65.2	70.5	59.7	57.9	61.9
1946	66.7	64.4	69.4	67.5	65.1	70.3	59.1	57.5	61.0
1945	65.9	63.6	67.9	66.8	64.4	69.5	57.7	56.1	59.6
1944	65.2	63.6	66.8	66.2	64.5	68.4	56.6	55.8	57.7
1943	63.3	62.4	64.4	64.2	63.2	65.7	55.6	55.4	56.1
1942	66.2	64.7	67.9	67.3	65.9	69.4	56.6	55.4	58.2
1941	64.8	63.1	66.8	66.2	64.4	68.5	53.8	52.5	55.3
1940	62.9	60.8	65.2	64.2	62.1	66.6	53.1	51.5	54.9
1939	63.7	62.1	65.4	64.9	63.3	66.6	54.5	53.2	56.0
1938	63.5	61.9	65.3	65.0	63.2	66.8	52.9	51.7	54.3
1937	60.0	58.0	62.4	61.4	59.3	63.8	50.3	48.3	52.5
1936	58.5	56.6	60.6	59.8	58.0	61.9	49.0	47.0	51.4
1935	61.7	59.9	63.9	62.9	61.0	65.0	53.1	51.3	55.2
1934	61.1	59.3	63.3	62.4	60.5	64.6	51.8	50.2	53.7
1933	63.3	61.7	65.1	64.3	62.7	66.3	54.7	53.5	56.0
1932	62.1	61.0	63.5	63.2	62.0	64.5	53.7	52.8	54.6
1931	61.1	59.4	63.1	62.6	60.8	64.7	50.4	49.5	51.5
1930	59.7	58.1	61.6	61.4	59.7	63.5	48.1	47.3	49.2
1929	57.1	55.8	58.7	58.6	57.2	60.3	46.7	45.7	47.8
DEATH REGISTRATION STATES									
1928	56.8	55.6	58.3	58.4	57.0	60.0	46.3	45.6	47.0
1927	60.4	59.0	62.1	62.0	60.5	63.9	48.2	47.6	48.9
1926	56.7	55.5	58.0	58.2	57.0	59.6	44.6	43.7	45.6
1925	59.0	57.6	60.6	60.7	59.3	62.4	45.7	44.9	46.7
1924	59.7	58.1	61.5	61.4	59.8	63.4	46.6	45.5	47.8
1923	57.2	56.1	58.5	58.3	57.1	59.6	48.3	47.7	48.9
1922	59.6	58.4	61.0	60.4	59.1	61.9	52.4	51.8	53.0
1921	60.8	60.0	61.8	61.8	60.8	62.9	51.5	51.6	51.3
1920	54.1	53.6	54.6	54.9	54.4	55.6	45.3	45.5	45.2
1919	54.7	53.5	56.0	55.8	54.5	57.4	44.5	44.5	44.4
1918	39.1	36.6	42.2	39.8	37.1	43.2	31.1	29.9	32.5
1917	50.9	48.4	54.0	52.0	49.3	55.3	38.8	37.0	40.8
1916	51.7	49.6	54.3	52.5	50.2	55.2	41.3	39.6	43.1
1915	54.5	52.5	56.8	55.1	53.1	57.5	38.9	37.5	40.5
1914	54.2	52.0	56.8	54.9	52.7	57.5	38.9	37.1	40.8
1913	52.5	50.3	55.0	53.0	50.8	55.7	38.4	36.7	40.3
1912	53.5	51.5	55.9	53.9	51.9	56.2	37.9	35.9	40.0
1911	52.6	50.9	54.4	53.0	51.3	54.9	36.4	34.6	38.2
1910	50.0	48.4	51.8	50.3	48.6	52.0	35.6	33.8	37.5
1909	52.1	50.5	53.8	52.5	50.9	54.2	35.7	34.2	37.3
1908	51.1	49.5	52.8	51.5	49.9	53.3	34.9	33.8	36.0
1907	47.6	45.6	49.9	48.1	46.0	50.4	32.5	31.1	34.0
1906	48.7	46.9	50.8	49.3	47.3	51.4	32.9	31.8	33.9
1905	48.7	47.3	50.2	49.1	47.6	50.6	31.3	29.6	33.1
1904	47.6	46.2	49.1	48.0	46.6	49.5	30.8	29.1	32.7
1903	50.5	49.1	52.0	50.9	49.5	52.5	33.1	31.7	34.6
1902	51.5	49.8	53.4	51.9	50.2	53.8	34.6	32.9	36.4
1901	49.1	47.6	50.6	49.4	48.0	51.0	33.7	32.2	35.3
1900	47.3	46.3	48.3	47.6	46.6	48.7	33.0	32.5	33.5

¹Excludes deaths of nonresidents of the United States.²Deaths based on a 50-percent sample.³Figures by color exclude data for residents of New Jersey; see Technical Appendix.

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