

VITAL  
STATISTICS

*of the*

UNITED  
STATES

1975

VOLUME II-SECTION 5

*Life Tables*



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

VITAL STATISTICS OF THE UNITED STATES, 1975  
VOLUME II-SECTION 5

*Life Tables*

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U.S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
NATIONAL CENTER FOR HEALTH STATISTICS

Hyattsville, Maryland: 1977

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## Guide to tables in Section 5

Table:	5	-1	-2	-3	-4	-5
Page:	5	-8	-11	-12	-13	-15
Years:						
1900-1975	-----					5 <sup>1</sup>
1975 only	-----	1	2	3		
Specified years and 1975	-----				4 <sup>2</sup>	
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 <sup>3</sup>
Sex specific	-----	1	2	3		5
Color specific	-----	1	2	3		5 <sup>3</sup>
Total population	-----	1	2	3		5

<sup>1</sup>Entire United States for 1929-75; death-registration States for 1900-1928.

<sup>2</sup>Entire United States for specified years from 1929 to 1975; death-registration States for specified years from 1900 to 1921.

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

# *Section 5. Life tables*

	Page
The life table program .....	5-3
Life table values for 1975 .....	5-4
Trends and comparisons .....	5-4
Technical appendix .....	5-5
Explanation of the columns of the life table .....	5-6
Text tables	
5-A. Selected life table values, by age, color, and sex: United States, 1975 .....	5-4
5-B. Selected life table values, by color and sex: Death-registration areas, 1975, 1974, 1970, 1960, 1900-1902 .....	5-4
Tables	
5-1. Abridged life tables by color and sex: United States, 1975 .....	5-8
5-2. Number of survivors at single years of age, out of 100,000 born alive, by color and sex: United States, 1975 .....	5-11
5-3. Expectation of life at single years of age, by color and sex: United States, 1975 .....	5-12
5-4. Life table values by color and sex: Death-registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1975 .....	5-13
5-5. Estimated average length of life in years, by color and sex: Death-registration States, 1900-1928, and United States, 1929-75 .....	5-15

## 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 1975 assumes a hypothetical cohort subject throughout its lifetime to the age-specific mortality rates prevailing for the actual population in 1975. 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;<sup>1</sup> since 1953 a modified method has been employed.<sup>2</sup> 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  $e_x^0$  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.

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<sup>1</sup>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.

<sup>2</sup>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 1975

The data used to prepare the abridged U.S. life tables for 1975 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 1975 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 1975 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 72.5 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 72.7 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, 74,593 out of the origi-

nal 100,000 (or 74.6 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 7.8 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, 1975

Life table value and age	Total	White		All other	
		Male	Female	Male	Female
Expectation of life:					
At birth.....	72.5	69.4	77.2	63.6	72.3
At age 1.....	72.7	69.6	77.1	64.4	73.0
At age 21.....	53.5	50.5	57.7	45.5	53.7
At age 65.....	16.0	13.7	18.1	13.7	17.5
Percent surviving from birth:					
To age 1.....	98.4	98.4	98.8	97.4	97.8
To age 21.....	97.1	96.8	98.0	95.3	96.7
To age 65.....	74.6	69.4	83.2	54.3	71.5
Median age at death.....	76.2	72.9	80.7	67.3	75.1

Table 5-B. Selected life table values, by color and sex: Death-registration areas, 1975, 1974, 1970, 1960, 1900-1902

Life table value and year	Total	White		All other	
		Male	Female	Male	Female
Life expectancy ( $e_x^0$ ) at birth:					
1975.....	72.5	69.4	77.2	63.6	72.3
1974.....	71.9	68.9	76.6	62.9	71.3
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:					
1975.....	54.4	51.4	58.6	46.3	54.7
1900-1902.....	42.8	42.2	43.8	35.1	36.9
Percent reaching age 65:					
1975.....	74.6	69.4	83.2	54.3	71.5
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 1975. Life expectancy among white males exactly 20 years old, for instance, has increased from 42.2 years in 1900-1902 to 51.4 years in 1975 (text table 5-B). Where 39.2 percent of white males survived to age 65 in 1900-1902, now 69.4 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.<sup>3</sup> For example, life expectancy has increased by 3.1 years among white females since 1960, or an average increase of 0.21 year of life per calendar year. Values for other years, by color and sex, are shown in table 5-B, page 5-4.

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<sup>3</sup>For 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 1975 abridged life tables.

*Nonresidents, 1975.*—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 0.0104—out of every 1,000 males alive and exactly 20 years old at the beginning of the period about 10 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, 98,215 will complete the first year of life and enter the second; 97,914 will begin the sixth year; 96,763 will reach age 20; and 15,493 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, 1,785 die in the first year of life, 301 in the succeeding 4 years, 1,010 in the 5-year period between exact ages 20 and 25, and 15,493 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 481,321. 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 481,321 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 4,913,709 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 6,867,205.

*Column 7—Average remaining lifetime ( $e_x^o$ ).—*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 481,321 for males in the age interval 20-25 is the total number of years lived between the 20th and 25th birthdays by the 96,763 (column 3) who reached the 20th birthday out of 100,000 males born alive. The corresponding figure (4,913,709) in col-

umn 6 is the total number of years lived after attaining age 20 by the 96,763 reaching that age. This number of years divided by the number of persons (4,913,709 divided by 96,763) gives 50.8 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, 1975

AGE INTERVAL	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED IN YEARS	PROPORTION OF PERSONS ALIVE AT BEGINNING OF AGE INTERVAL DYING DURING INTERVAL	NUMBER LIVING AT BEGINNING OF AGE INTERVAL	NUMBER DYING DURING AGE INTERVAL	IN THE AGE INTERVAL	IN THIS AND ALL SUBSEQUENT AGE INTERVALS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF AGE INTERVAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
$x$ to $x+n$	${}_nq_x$	$l_x$	${}_nd_x$	${}_nL_x$	$T_x$	$e_x^o$
<b>TOTAL</b>						
0-1	0.0161	100,000	1,606	98,576	7,251,607	72.5
1-5	.0028	98,394	275	392,937	7,153,031	72.7
5-10	.0018	98,119	175	490,125	6,760,094	68.9
10-15	.0018	97,944	176	489,349	6,269,969	64.0
15-20	.0051	97,768	498	487,711	5,780,620	59.1
20-25	.0069	97,270	671	484,694	5,292,909	54.4
25-30	.0068	96,599	658	481,350	4,808,215	49.8
30-35	.0075	95,641	724	477,974	4,326,865	45.1
35-40	.0104	95,217	991	473,766	3,848,891	40.4
40-45	.0162	94,226	1,522	467,575	3,375,125	35.8
45-50	.0253	92,704	2,348	458,017	2,907,550	31.4
50-55	.0386	90,356	3,488	443,602	2,449,533	27.1
55-60	.0584	86,868	5,077	422,332	2,005,931	23.1
60-65	.0880	81,791	7,198	391,790	1,583,599	19.4
65-70	.1215	74,593	9,064	351,188	1,191,809	16.0
70-75	.1849	65,529	12,113	298,322	840,621	12.8
75-80	.2697	53,416	14,408	231,564	542,299	10.2
80-85	.3708	39,008	14,465	158,291	310,735	8.0
85 AND OVER	1.0000	24,543	24,543	152,444	152,444	6.2
<b>MALE</b>						
0-1	0.0179	100,000	1,785	98,414	6,867,205	68.7
1-5	.0031	98,215	301	392,168	6,768,791	68.9
5-10	.0021	97,914	207	489,019	6,376,623	65.1
10-15	.0023	97,707	222	488,087	5,887,604	60.3
15-20	.0074	97,485	722	485,808	5,399,517	55.4
20-25	.0104	96,763	1,010	481,321	4,913,709	50.8
25-30	.0099	95,753	952	476,347	4,432,388	46.3
30-35	.0103	94,801	974	471,654	3,956,041	41.7
35-40	.0137	93,827	1,288	466,112	3,484,387	37.1
40-45	.0207	92,539	1,918	458,218	3,018,275	32.6
45-50	.0329	90,621	2,979	446,139	2,560,057	28.3
50-55	.0511	87,642	4,475	427,747	2,113,918	24.1
55-60	.0779	83,167	6,479	400,510	1,686,171	20.3
60-65	.1192	76,688	9,142	361,524	1,285,661	16.8
65-70	.1674	67,546	11,306	310,247	924,137	13.7
70-75	.2446	56,240	13,757	247,260	613,890	10.9
75-80	.3418	42,483	14,520	175,737	366,630	8.6
80-85	.4459	27,963	12,470	107,312	190,893	6.8
85 AND OVER	1.0000	15,493	15,493	83,581	83,581	5.4
<b>FEMALE</b>						
0-1	0.0142	100,000	1,418	98,747	7,648,562	76.5
1-5	.0025	98,582	248	393,745	7,549,815	76.6
5-10	.0015	98,334	143	491,283	7,156,070	72.8
10-15	.0013	98,191	126	490,672	6,664,787	67.9
15-20	.0027	98,065	267	489,703	6,174,115	63.0
20-25	.0034	97,798	330	488,179	5,684,412	58.1
25-30	.0037	97,468	364	486,460	5,196,233	53.3
30-35	.0049	97,104	475	484,406	4,709,773	48.5
35-40	.0073	96,629	703	481,508	4,225,367	43.7
40-45	.0118	95,926	1,129	476,989	3,743,859	39.0
45-50	.0182	94,797	1,722	469,933	3,266,870	34.5
50-55	.0269	93,075	2,506	459,465	2,796,937	30.1
55-60	.0404	90,569	3,656	444,185	2,337,472	25.8
60-65	.0598	86,913	5,195	422,286	1,893,287	21.8
65-70	.0834	81,718	6,816	392,513	1,471,001	18.0
70-75	.1381	74,902	10,346	350,032	1,078,488	14.4
75-80	.2192	64,556	14,149	288,739	728,456	11.3
80-85	.3241	50,407	16,335	211,408	439,717	8.7
85 AND OVER	1.0000	34,072	34,072	228,309	228,309	6.7

## SECTION 5 · LIFE TABLES

5-9

Table 5-1. Abridged Life Tables by Color and Sex: United States, 1975—Con.

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 $x+n$	$nq_x$	$l_x$	$n^d_x$	${}_nL_x$	$T_x$	$e_x$
<b>WHITE</b>						
0-1	0.0142	100,000	1,416	98,740	7,323,121	73.2
1-5	.0025	98,584	251	393,759	7,224,381	73.3
5-10	.0017	98,333	166	491,221	6,830,622	69.5
10-15	.0017	98,167	167	490,482	6,339,401	64.6
15-20	.0050	98,000	488	488,884	5,848,919	59.7
20-25	.0062	97,512	608	486,045	5,360,035	55.0
25-30	.0058	96,904	563	483,103	4,873,990	50.3
30-35	.0063	96,341	609	480,248	4,390,887	45.6
35-40	.0088	95,732	838	476,714	3,910,639	40.8
40-45	.0141	94,894	1,336	471,377	3,433,925	36.2
45-50	.0229	93,558	2,143	462,797	2,962,548	31.7
50-55	.0358	91,415	3,277	449,431	2,499,751	27.3
55-60	.0552	88,138	4,865	429,226	2,050,320	23.3
60-65	.0845	82,273	7,034	399,630	1,621,094	19.5
65-70	.1190	76,239	9,070	359,471	1,221,464	16.0
70-75	.1793	67,169	12,044	306,792	861,993	12.8
75-80	.2676	55,125	14,752	239,370	555,201	10.1
80-85	.3760	40,373	15,180	163,344	315,831	7.8
85 AND OVER	1.0000	25,193	25,193	152,487	152,487	6.1
<b>WHITE, MALE</b>						
0-1	0.0159	100,000	1,593	98,580	6,943,305	69.4
1-5	.0028	98,407	278	392,995	6,844,725	69.6
5-10	.0020	98,129	194	490,130	6,451,730	65.7
10-15	.0022	97,935	212	489,247	5,961,600	60.9
15-20	.0072	97,723	708	487,019	5,472,353	56.0
20-25	.0094	97,015	916	482,795	4,985,334	51.4
25-30	.0084	96,099	806	478,433	4,502,539	46.9
30-35	.0085	95,293	806	474,519	4,024,106	42.2
35-40	.0114	94,487	1,080	469,922	3,549,587	37.6
40-45	.0180	93,407	1,679	463,150	3,079,665	33.0
45-50	.0299	91,728	2,742	452,268	2,616,515	28.5
50-55	.0476	88,986	4,234	435,085	2,164,247	24.3
55-60	.0742	84,752	6,287	408,952	1,729,162	20.4
60-65	.1157	78,465	9,079	370,619	1,320,210	16.8
65-70	.1655	69,386	11,485	319,072	949,591	13.7
70-75	.2410	57,901	13,952	255,155	630,519	10.9
75-80	.3419	43,949	15,024	181,871	375,364	8.5
80-85	.4530	28,925	13,103	110,492	193,493	6.7
85 AND OVER	1.0000	15,822	15,822	83,001	83,001	5.2
<b>WHITE, FEMALE</b>						
0-1	0.0123	100,000	1,230	98,908	7,716,571	77.2
1-5	.0023	98,770	223	394,562	7,617,663	77.1
5-10	.0014	98,547	136	492,368	7,223,101	73.3
10-15	.0012	98,411	120	491,782	6,730,733	68.4
15-20	.0026	98,291	258	490,851	6,238,951	63.5
20-25	.0030	98,033	294	489,437	5,748,100	58.6
25-30	.0032	97,739	313	487,935	5,258,663	53.8
30-35	.0042	97,426	410	486,166	4,770,728	49.0
35-40	.0062	97,016	597	483,697	4,284,562	44.2
40-45	.0102	96,419	988	479,804	3,800,865	39.4
45-50	.0162	95,431	1,545	473,538	3,321,061	34.8
50-55	.0247	93,886	2,319	463,984	2,847,523	30.3
55-60	.0374	91,567	3,426	449,743	2,383,539	26.0
60-65	.0560	88,141	4,937	429,062	1,933,796	21.9
65-70	.0801	83,204	6,666	400,381	1,504,734	18.1
70-75	.1315	76,538	10,063	359,023	1,104,353	14.4
75-80	.2158	66,475	14,345	297,997	745,330	11.2
80-85	.3281	52,130	17,105	218,166	447,333	8.6
85 AND OVER	1.0000	35,025	35,025	229,167	229,167	6.5

SECTION 5 - LIFE TABLES

Table 5-1. Abridged Life Tables by Color and Sex: United States, 1975—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 $x+n$	$nq_x$	$l_x$	$n^d_x$	$nL_x$	$T_x$	$e_x$
<b>ALL OTHER</b>						
0-1	0.0243	100,000	2,429	97,868	6,793,042	67.9
1-5	.0039	97,571	383	389,368	6,695,174	68.6
5-10	.0023	97,188	226	485,319	6,305,806	64.9
10-15	.0022	96,962	217	484,351	5,820,487	60.0
15-20	.0058	96,745	559	482,499	5,336,136	55.2
20-25	.0110	96,186	1,060	478,409	4,853,637	50.5
25-30	.0138	95,126	1,312	472,417	4,375,228	46.0
30-35	.0158	93,814	1,482	465,529	3,902,811	41.6
35-40	.0219	92,332	2,022	456,862	3,437,282	37.2
40-45	.0306	90,310	2,764	444,965	2,980,420	33.0
45-50	.0438	87,546	3,837	428,558	2,535,457	29.0
50-55	.0621	83,709	5,194	406,077	2,106,899	25.2
55-60	.0884	78,515	6,940	375,807	1,700,822	21.7
60-65	.1203	71,575	8,612	336,950	1,325,015	18.5
65-70	.1435	62,963	9,036	292,651	988,065	15.7
70-75	.2434	53,927	13,128	237,046	695,414	12.9
75-80	.2934	40,799	11,972	173,424	458,368	11.2
80-85	.3100	28,827	8,937	120,982	284,944	9.9
85 AND OVER	1.0000	19,890	19,890	163,962	163,962	8.2
<b>ALL OTHER, MALE</b>						
0-1	0.0263	100,000	2,629	97,684	6,364,149	63.6
1-5	.0042	97,371	411	388,512	6,266,465	64.4
5-10	.0028	96,960	271	484,064	5,877,953	60.6
10-15	.0029	96,689	279	482,879	5,393,889	55.8
15-20	.0083	96,410	799	480,326	4,911,010	50.9
20-25	.0170	95,611	1,627	474,200	4,430,684	46.3
25-30	.0216	93,984	2,029	464,882	3,956,484	42.1
30-35	.0236	91,955	2,172	454,525	3,491,602	38.0
35-40	.0311	89,783	2,790	442,249	3,037,077	33.8
40-45	.0414	86,993	3,600	426,337	2,594,828	29.8
45-50	.0568	83,393	4,736	405,593	2,168,491	26.0
50-55	.0813	78,657	6,396	377,883	1,762,898	22.4
55-60	.1132	72,261	8,177	341,419	1,385,015	19.2
60-65	.1519	64,084	9,735	296,551	1,043,596	16.3
65-70	.1838	54,349	9,987	247,035	747,045	13.7
70-75	.2818	44,362	12,503	190,458	500,010	11.3
75-80	.3407	31,859	10,855	131,175	309,552	9.7
80-85	.3699	21,004	7,768	84,541	178,377	8.5
85 AND OVER	1.0000	13,236	13,236	93,836	93,836	7.1
<b>ALL OTHER, FEMALE</b>						
0-1	0.0222	100,000	2,222	98,060	7,234,282	72.3
1-5	.0036	97,778	353	390,256	7,136,222	73.0
5-10	.0018	97,425	180	486,624	6,745,966	69.2
10-15	.0016	97,245	154	485,882	6,259,342	64.4
15-20	.0033	97,091	319	484,739	5,773,460	59.5
20-25	.0056	96,772	537	482,586	5,288,721	54.7
25-30	.0071	96,235	682	479,553	4,806,135	49.9
30-35	.0092	95,553	874	475,722	4,326,582	45.3
35-40	.0144	94,679	1,359	470,205	3,850,860	40.7
40-45	.0215	93,320	2,009	461,839	3,380,655	36.2
45-50	.0325	91,311	2,963	449,498	2,918,816	32.0
50-55	.0448	88,348	3,960	432,256	2,469,318	27.9
55-60	.0663	84,388	5,598	408,503	2,037,062	24.1
60-65	.0927	78,790	7,306	376,599	1,628,559	20.7
65-70	.1105	71,484	7,901	338,218	1,252,160	17.5
70-75	.2107	63,583	13,395	284,973	913,942	14.4
75-80	.2553	50,188	12,811	218,681	628,969	12.5
80-85	.2679	37,377	10,012	161,361	410,288	11.0
85 AND OVER	1.0000	27,365	27,365	248,927	248,927	9.1

SECTION 5 - LIFE TABLES

Table 5-2. Number of Survivors at Single Years of Age, Out of 100,000 Born Alive, by Color and Sex: United States, 1975

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	98,394	98,215	98,582	98,584	98,407	98,770	97,571	97,371	97,778
2	98,301	98,112	98,499	98,499	98,310	98,696	97,447	97,240	97,661
3	98,228	98,033	98,432	98,432	98,237	98,636	97,344	97,131	97,565
4	98,169	97,969	98,378	98,378	98,179	98,587	97,259	97,039	97,487
5	98,119	97,914	98,324	98,323	98,129	98,547	97,188	96,960	97,425
6	98,076	97,865	98,277	98,276	98,084	98,513	97,129	96,892	97,375
7	98,037	97,820	98,255	98,256	98,042	98,483	97,079	96,852	97,334
8	98,002	97,778	98,237	98,233	98,002	98,456	97,035	96,779	97,300
9	97,971	97,740	98,213	98,193	97,966	98,432	96,997	96,732	97,271
10	97,944	97,707	98,191	98,167	97,935	98,411	96,962	96,689	97,245
11	97,919	97,678	98,171	98,144	97,909	98,391	96,929	96,648	97,220
12	97,894	97,650	98,150	98,121	97,883	98,372	96,895	96,606	97,194
13	97,864	97,614	98,127	98,093	97,849	98,350	96,856	96,556	97,165
14	97,824	97,561	98,099	98,054	97,798	98,324	96,807	96,493	97,131
15	97,768	97,485	98,065	98,000	97,723	98,291	96,745	96,410	97,091
16	97,695	97,382	98,023	97,928	97,621	98,250	96,669	96,306	97,044
17	97,606	97,255	97,973	97,839	97,494	98,201	96,577	96,179	96,989
18	97,503	97,106	97,918	97,737	97,346	98,147	96,468	96,024	96,925
19	97,390	96,941	97,859	97,627	97,185	98,090	96,338	95,836	96,853
20	97,270	96,763	97,798	97,512	97,015	98,033	96,186	95,611	96,772
21	97,143	96,573	97,735	97,393	96,838	97,975	96,010	95,346	96,681
22	97,010	96,372	97,670	97,271	96,653	97,917	95,812	95,044	96,580
23	96,873	96,165	97,604	97,147	96,465	97,858	95,595	94,711	96,471
24	96,735	95,957	97,536	97,024	96,279	97,799	95,365	94,355	96,355
25	96,599	95,753	97,468	96,904	96,099	97,739	95,126	93,984	96,235
26	96,465	95,555	97,399	96,788	95,927	97,679	94,878	93,598	96,110
27	96,334	95,362	97,329	96,675	95,762	97,619	94,621	93,197	95,979
28	96,204	95,173	97,257	96,564	95,603	97,557	94,356	92,786	95,842
29	96,073	94,987	97,182	96,453	95,447	97,493	94,087	92,371	95,700
30	95,941	94,801	97,104	96,341	95,293	97,426	93,814	91,955	95,553
31	95,806	94,615	97,021	96,227	95,138	97,354	93,538	91,539	95,400
32	95,668	94,428	96,933	96,111	94,983	97,278	93,257	91,122	95,240
33	95,525	94,236	96,839	95,991	94,825	97,196	92,967	90,697	95,070
34	95,375	94,037	96,738	95,865	94,660	97,109	92,660	90,253	94,884
35	95,217	93,827	96,629	95,732	94,487	97,016	92,332	89,783	94,679
36	95,048	93,604	96,512	95,590	94,302	96,917	91,979	89,284	94,452
37	94,867	93,366	96,385	95,438	94,104	96,810	91,600	88,755	94,203
38	94,671	93,110	96,247	95,273	93,890	96,693	91,196	88,196	93,931
39	94,458	92,835	96,095	95,092	93,659	96,563	90,766	87,609	93,637
40	94,226	92,539	95,926	94,894	93,407	96,419	90,310	86,993	93,320
41	93,973	92,218	95,740	94,676	93,132	96,258	89,826	86,346	92,979
42	93,697	91,870	95,535	94,436	92,831	96,080	89,311	85,665	92,612
43	93,395	91,490	95,310	94,171	92,500	95,883	88,761	84,947	92,214
44	93,065	91,075	95,065	93,879	92,134	95,667	88,174	84,191	91,782
45	92,704	90,621	94,797	93,558	91,728	95,431	87,546	83,393	91,311
46	92,310	90,124	94,506	93,204	91,278	95,173	86,874	82,552	90,798
47	91,880	89,581	94,189	92,815	90,782	94,891	86,156	81,665	90,242
48	91,412	88,988	93,845	92,388	90,236	94,583	85,390	80,725	89,645
49	90,905	88,343	93,474	91,922	89,638	94,249	84,575	79,724	89,013
50	90,356	87,642	93,075	91,415	88,986	93,886	83,709	78,657	88,348
51	89,762	86,881	92,646	90,863	88,275	93,493	82,791	77,520	87,651
52	89,120	86,057	92,184	90,263	87,500	93,068	81,818	76,313	86,917
53	88,426	85,166	91,687	89,611	86,657	92,607	80,785	75,035	86,136
54	87,677	84,204	91,150	88,904	85,743	92,108	79,686	73,684	85,296
55	86,868	83,167	90,569	88,138	84,752	91,567	78,515	72,261	84,388
56	85,998	82,054	89,943	87,311	83,683	90,983	77,273	70,768	83,411
57	85,064	80,861	89,269	86,419	82,532	90,353	75,961	69,206	82,367
58	84,057	79,577	88,542	85,455	81,287	89,672	74,576	67,572	81,251
59	82,968	78,189	87,758	84,409	79,935	88,936	73,114	65,865	80,059
60	81,791	76,688	86,913	83,273	78,465	88,141	71,575	64,084	78,790
61	80,518	75,068	85,998	82,041	76,872	87,280	69,947	62,223	77,427
62	79,150	73,332	85,012	80,713	75,158	86,350	68,234	60,288	75,974
63	77,697	71,490	83,963	79,296	73,331	85,356	66,471	58,307	74,468
64	76,175	69,558	82,863	77,802	71,404	84,306	64,705	56,319	72,961
65	74,593	67,546	81,718	76,239	69,386	83,204	62,963	54,349	71,484
66	72,956	65,463	80,529	74,609	67,282	82,048	61,274	52,420	70,067
67	71,255	63,306	79,283	72,904	65,090	80,826	59,615	50,518	68,682
68	69,469	61,061	77,952	71,109	62,803	79,517	57,906	48,589	67,226
69	67,567	58,709	76,501	69,202	60,409	78,095	56,035	46,554	65,558
70	65,529	56,240	74,902	67,169	57,901	76,538	53,927	44,362	63,583
71	63,353	53,657	73,148	65,009	55,285	74,841	51,556	41,997	61,267
72	61,047	50,974	71,241	62,728	52,572	73,001	48,966	39,494	58,661
73	58,616	48,205	69,175	60,321	49,771	71,004	46,237	36,914	55,859
74	56,059	45,368	66,947	57,786	46,892	68,832	43,485	34,346	52,999
75	53,416	42,483	64,556	55,125	43,949	66,475	40,799	31,859	50,158
76	50,668	39,568	62,005	52,346	40,957	63,932	38,222	29,485	47,475
77	47,838	36,639	59,303	49,462	37,935	61,211	35,556	27,226	44,862
78	44,940	33,715	56,460	46,491	34,906	58,325	33,381	25,069	42,324
79	41,990	30,815	53,489	43,454	31,894	55,292	31,074	22,997	39,832
80	39,008	27,963	50,407	40,373	28,925	52,130	28,827	21,004	37,377
81	36,017	25,185	47,233	37,272	26,029	48,858	26,655	19,100	34,977
82	33,043	22,513	43,988	34,177	23,236	45,493	24,597	17,314	32,680
83	30,116	19,980	40,695	31,113	20,580	42,054	22,718	15,694	30,566
84	27,270	17,626	37,380	28,109	18,096	38,559	21,110	14,306	28,747
85	24,543	15,493	34,072	25,193	15,822	35,025	19,890	13,236	27,365

SECTION 5 - LIFE TABLES

Table 5-3. Expectation of Life at Single Years of Age, by Color and Sex: United States, 1975

AGE	TOTAL			WHITE			ALL OTHER		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
0	72.5	68.7	76.5	73.2	69.4	77.2	67.9	63.6	72.3
1	72.7	68.9	76.6	73.3	69.6	77.1	68.6	64.4	73.0
2	71.8	68.0	75.6	72.3	68.6	76.2	67.7	63.4	72.1
3	70.8	67.0	74.7	71.4	67.7	75.2	66.8	62.5	71.1
4	69.9	66.1	73.7	70.4	66.7	74.3	65.8	61.6	70.2
5	68.9	65.1	72.8	69.5	65.7	73.3	64.9	60.6	69.2
6	67.9	64.2	71.8	68.5	64.8	72.3	63.9	59.7	68.3
7	67.0	63.2	70.8	67.5	63.8	71.3	63.0	58.7	67.3
8	66.0	62.2	69.8	66.5	62.8	70.4	62.0	57.7	66.3
9	65.0	61.2	68.9	65.5	61.9	69.4	61.0	56.8	65.3
10	64.0	60.3	67.9	64.6	60.9	68.4	60.0	55.8	64.4
11	63.0	59.3	66.9	63.6	59.9	67.4	59.0	54.8	63.4
12	62.0	58.3	65.9	62.6	58.9	66.4	58.1	53.8	62.4
13	61.1	57.3	64.9	61.6	57.9	65.4	57.1	52.9	61.4
14	60.1	56.3	63.9	60.6	57.0	64.5	56.1	51.9	60.4
15	59.1	55.4	63.0	59.7	56.0	63.5	55.2	50.9	59.5
16	58.2	54.4	62.0	58.7	55.1	62.5	54.2	50.0	58.5
17	57.2	53.5	61.0	57.8	54.1	61.5	53.3	49.1	57.5
18	56.3	52.6	60.1	56.8	53.2	60.6	52.3	48.1	56.6
19	55.3	51.7	59.1	55.9	52.3	59.6	51.4	47.2	55.6
20	54.4	50.8	58.1	55.0	51.4	58.6	50.5	46.3	54.7
21	53.5	49.9	57.2	54.0	50.5	57.7	49.6	45.5	53.7
22	52.6	49.0	56.2	53.1	49.6	56.7	48.7	44.6	52.8
23	51.6	48.1	55.2	52.2	48.7	55.7	47.8	43.8	51.8
24	50.7	47.2	54.3	51.2	47.8	54.8	46.9	42.9	50.9
25	49.8	46.3	53.3	50.3	46.9	53.8	46.0	42.1	49.9
26	48.8	45.4	52.3	49.4	45.9	52.8	45.1	41.3	49.0
27	47.9	44.5	51.4	48.4	45.0	51.9	44.2	40.4	48.1
28	47.0	43.6	50.4	47.5	44.1	50.9	43.4	39.6	47.1
29	46.0	42.6	49.5	46.5	43.2	49.9	42.5	38.8	46.2
30	45.1	41.7	48.5	45.6	42.2	49.0	41.6	38.0	45.3
31	44.2	40.8	47.5	44.6	41.3	48.0	40.7	37.1	44.4
32	43.2	39.9	46.6	43.7	40.4	47.0	39.8	36.3	43.4
33	42.3	39.0	45.6	42.7	39.4	46.1	39.0	35.5	42.5
34	41.4	38.1	44.7	41.8	38.5	45.1	38.1	34.6	41.6
35	40.4	37.1	43.7	40.8	37.6	44.2	37.2	33.8	40.7
36	39.5	36.2	42.8	39.9	36.6	43.2	36.4	33.0	39.8
37	38.6	35.3	41.8	39.0	35.7	42.3	35.5	32.2	38.9
38	37.6	34.4	40.9	38.0	34.8	41.3	34.7	31.4	38.0
39	36.7	33.5	40.0	37.1	33.9	40.4	33.8	30.6	37.1
40	35.8	32.6	39.0	36.2	33.0	39.4	33.0	29.8	36.2
41	34.9	31.7	38.1	35.3	32.1	38.5	32.2	29.0	35.4
42	34.0	30.8	37.2	34.4	31.2	37.6	31.4	28.3	34.5
43	33.1	30.0	36.3	33.5	30.3	36.6	30.6	27.5	33.6
44	32.2	29.1	35.4	32.6	29.4	35.7	29.8	26.8	32.8
45	31.4	28.3	34.5	31.7	28.5	34.8	29.0	26.0	32.0
46	30.5	27.4	33.6	30.8	27.7	33.9	28.2	25.3	31.1
47	29.6	26.6	32.7	29.9	26.8	33.0	27.4	24.5	30.3
48	28.8	25.7	31.8	29.0	26.0	32.1	26.7	23.8	29.5
49	27.9	24.9	30.9	28.2	25.1	31.2	25.9	23.1	28.7
50	27.1	24.1	30.1	27.3	24.3	30.3	25.2	22.4	27.9
51	26.3	23.3	29.2	26.5	23.5	29.5	24.4	21.7	27.2
52	25.5	22.5	28.3	25.7	22.7	28.6	23.7	21.1	26.4
53	24.7	21.8	27.5	24.9	21.9	27.7	23.0	20.4	25.6
54	23.9	21.0	26.6	24.1	21.2	26.9	22.3	19.8	24.9
55	23.1	20.3	25.8	23.3	20.4	26.0	21.7	19.2	24.1
56	22.3	19.5	25.0	22.5	19.7	25.2	21.0	18.6	23.4
57	21.6	18.8	24.2	21.7	18.9	24.4	20.4	18.0	22.7
58	20.8	18.1	23.4	20.9	18.2	23.5	19.7	17.4	22.0
59	20.1	17.4	22.6	20.2	17.5	22.7	19.1	16.8	21.3
60	19.4	16.8	21.8	19.5	16.8	21.9	18.5	16.3	20.7
61	18.7	16.1	21.0	18.8	16.2	21.2	17.9	15.8	20.0
62	18.0	15.5	20.2	18.1	15.5	20.4	17.4	15.2	19.4
63	17.3	14.9	19.5	17.4	14.9	19.6	16.8	14.7	18.8
64	16.6	14.3	18.7	16.7	14.3	18.8	16.3	14.2	18.2
65	16.0	13.7	18.0	16.0	13.7	18.1	15.7	13.7	17.5
66	15.3	13.1	17.3	15.4	13.1	17.3	15.1	13.2	16.9
67	14.7	12.5	16.5	14.7	12.5	16.6	14.5	12.7	16.2
68	14.0	12.0	15.8	14.1	12.0	15.9	13.9	12.2	15.5
69	13.4	11.4	15.1	13.4	11.4	15.1	13.4	11.7	14.9
70	12.8	10.9	14.4	12.8	10.9	14.4	12.9	11.3	14.4
71	12.3	10.4	13.7	12.2	10.4	13.7	12.5	10.9	13.9
72	11.7	9.9	13.1	11.7	9.9	13.1	12.1	10.5	13.5
73	11.2	9.5	12.5	11.1	9.4	12.4	11.8	10.2	13.2
74	10.6	9.0	11.9	10.6	9.0	11.8	11.5	10.0	12.8
75	10.2	8.6	11.3	10.1	8.5	11.2	11.2	9.7	12.5
76	9.7	8.2	10.7	9.6	8.1	10.6	11.0	9.5	12.2
77	9.2	7.8	10.2	9.1	7.7	10.1	10.7	9.2	11.9
78	8.8	7.5	9.7	8.7	7.4	9.6	10.4	9.0	11.6
79	8.4	7.1	9.2	8.2	7.0	9.1	10.1	8.7	11.3
80	8.0	6.8	8.7	7.8	6.7	8.6	9.9	8.5	11.0
81	7.6	6.5	8.3	7.4	6.4	8.1	9.6	8.3	10.7
82	7.2	6.2	7.9	7.1	6.1	7.7	9.4	8.1	10.4
83	6.9	6.0	7.4	6.7	5.8	7.3	9.1	7.8	10.1
84	6.5	5.7	7.1	6.4	5.5	6.9	8.8	7.5	9.6
85	6.2	5.4	6.7	6.1	5.2	6.5	8.2	7.1	9.1

## SECTION 5 - LIFE TABLES

5-13

Table 5-4. Life Table Values by Color and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1975

[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( $l_x$ )								
	1975 <sup>1</sup>	1969-71 <sup>1</sup>	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>WHITE, MALE</b>									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,407	97,994	97,408	96,931	95,188	93,768	91,975	87,674	86,655
5	98,129	97,671	97,015	96,403	94,150	91,738	88,842	82,972	80,864
10	97,935	97,441	96,758	96,069	93,601	90,810	87,530	81,519	79,109
15	97,723	97,208	96,503	95,728	93,089	90,074	86,546	80,549	78,037
20	97,015	96,480	95,908	95,104	92,293	88,904	84,997	79,116	76,376
25	96,099	95,524	95,106	94,294	91,241	87,371	83,061	77,047	73,907
30	95,293	94,716	94,401	93,489	90,092	85,707	80,888	74,810	71,219
35	94,487	93,843	93,589	92,543	88,713	83,812	78,441	72,108	68,245
40	93,407	92,631	92,427	91,173	86,880	81,457	75,733	68,848	64,954
45	91,728	90,725	89,002	87,285	82,855	78,345	72,696	65,115	61,369
50	88,986	87,690	87,424	85,601	80,521	74,288	69,107	60,741	57,274
55	84,752	83,001	82,463	80,496	75,156	68,981	64,574	55,622	52,491
60	78,465	75,969	75,485	73,172	67,787	61,933	58,498	48,987	46,452
65	69,386	66,343	65,834	63,541	58,305	52,964	50,663	40,863	39,245
70	57,901	54,138	53,825	51,735	46,739	41,880	40,873	31,527	30,640
75	43,949	40,324	40,207	38,104	33,404	29,471	29,205	21,585	21,387
80	28,925	25,885	25,993	24,005	19,860	17,221	17,655	12,160	12,266
85	15,822	13,527	13,065	12,015	9,013	7,572	8,154	5,145	5,252
<b>ALL OTHER, MALE</b>									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	97,371	96,592	95,201	94,911	91,695	91,268	89,499	78,065	74,674
5	96,960	96,038	94,570	93,921	89,920	88,412	85,195	68,589	64,385
10	96,689	95,716	94,234	93,453	89,211	87,311	83,768	66,377	61,730
15	96,410	95,385	93,874	92,965	88,417	86,152	82,332	64,478	59,667
20	95,611	94,233	93,108	91,941	86,770	83,621	79,057	61,426	56,733
25	93,984	92,267	91,825	90,285	84,055	79,516	74,540	57,736	53,285
30	91,955	90,106	90,270	88,327	80,865	75,083	70,344	54,073	49,867
35	89,783	87,597	88,331	85,940	77,185	70,049	65,873	49,865	46,541
40	86,993	84,378	85,744	82,832	72,830	64,710	61,353	45,414	42,989
45	83,393	80,163	82,075	78,686	67,514	58,432	56,589	40,563	39,230
50	78,657	74,748	77,239	72,891	60,766	51,748	51,880	35,427	34,766
55	72,261	67,808	70,351	65,122	52,867	44,436	46,581	29,754	29,987
60	64,084	59,396	61,669	55,535	44,370	36,790	40,506	23,750	24,194
65	54,349	49,607	51,392	45,198	35,912	29,314	34,042	17,806	19,015
70	44,362	39,025	39,914	35,018	27,688	21,741	26,923	12,295	13,829
75	31,859	27,789	29,064	25,472	19,765	14,419	18,854	7,494	8,892
80	21,004	17,999	19,994	16,904	12,352	8,239	11,615	3,894	4,831
85	13,236	10,811	11,620	9,898	6,492	3,660	5,605	1,747	2,030
<b>WHITE, FEMALE</b>									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,770	98,468	98,036	97,645	96,211	95,037	93,608	89,774	88,939
5	98,547	98,203	97,709	97,199	95,309	93,216	90,721	85,349	83,426
10	98,411	98,062	97,525	96,960	94,890	92,466	89,564	83,979	81,723
15	98,291	97,902	97,375	96,756	94,534	91,894	88,712	83,093	80,680
20	98,033	97,618	97,135	96,454	93,984	90,939	87,281	81,750	78,978
25	97,739	97,299	96,844	96,072	93,228	89,524	85,163	79,865	76,588
30	97,426	96,945	96,499	95,605	92,320	87,972	82,740	77,887	73,887
35	97,016	96,474	96,026	94,977	91,211	86,248	80,206	75,200	70,971
40	96,419	95,762	95,326	94,080	89,805	84,256	77,624	72,425	67,935
45	95,431	94,649	94,228	92,725	87,920	81,780	74,871	69,341	64,677
50	93,886	92,924	92,522	90,685	85,267	78,572	71,547	65,629	61,005
55	91,567	90,383	89,967	87,699	81,520	74,321	67,323	61,053	56,509
60	88,141	86,726	86,339	83,279	76,200	68,462	61,704	54,900	50,752
65	83,204	81,579	80,739	76,773	68,701	60,499	54,299	47,086	43,806
70	76,538	74,101	72,507	67,545	58,363	49,932	44,638	37,482	35,206
75	66,475	63,290	60,461	54,397	44,685	37,024	32,777	26,569	25,362
80	52,130	48,182	44,676	38,026	28,882	23,053	20,492	15,929	15,349
85	35,025	30,490	26,046	21,348	14,487	10,937	9,909	7,152	7,149
<b>ALL OTHER, FEMALE</b>									
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	97,778	97,235	96,172	95,913	93,318	92,796	91,251	81,493	78,525
5	97,425	96,772	95,543	95,055	91,710	90,185	87,149	72,768	68,056
10	97,245	96,546	95,265	94,679	91,092	89,201	85,607	70,508	65,111
15	97,091	96,353	95,057	94,343	90,363	88,088	83,954	68,218	62,384
20	96,772	95,917	94,660	93,544	88,505	85,078	80,154	64,764	59,053
25	96,235	95,247	94,005	92,336	85,961	81,067	75,359	61,430	55,795
30	95,553	94,370	93,070	90,799	83,147	76,816	70,633	58,281	52,773
35	94,679	93,123	91,670	88,805	79,879	72,192	65,857	54,595	49,567
40	93,320	91,247	89,676	86,052	75,908	67,271	61,130	50,568	46,146
45	91,311	88,608	86,793	82,257	71,061	61,365	55,230	45,947	42,279
50	88,348	84,964	82,979	77,007	64,886	54,920	50,780	40,886	37,681
55	84,388	80,162	77,362	70,196	57,419	47,074	44,742	35,415	33,124
60	78,790	73,984	69,941	61,758	49,102	38,761	37,954	28,908	27,524
65	71,484	66,064	60,825	52,358	40,718	30,852	31,044	22,302	21,995
70	63,583	56,375	51,274	42,612	32,579	23,341	24,107	15,871	16,140
75	50,188	44,841	40,540	32,981	24,668	16,576	17,216	10,657	11,066
80	37,377	33,373	30,315	23,712	17,157	10,822	11,151	6,324	6,708
85	27,365	22,763	19,744	15,550	10,658	6,033	5,972	3,029	3,567

<sup>1</sup>Deaths 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 1975—Con.

[See headnote at beginning of table]

AGE, COLOR, AND SEX	AVERAGE NUMBER OF YEARS OF LIFE REMAINING (e <sub>x</sub> )								
	1975 <sup>1</sup>	1969-71 <sup>1</sup>	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>WHITE, MALE</b>									
0-----	69.4	67.9	67.55	66.31	62.81	59.12	56.34	50.23	48.23
1-----	69.6	68.3	68.34	67.41	64.98	62.04	60.24	56.26	54.61
5-----	65.7	64.5	64.61	63.77	61.68	59.38	58.31	55.37	54.43
10-----	60.9	59.6	59.78	58.98	57.03	54.96	54.15	51.32	50.59
15-----	56.0	54.8	54.93	54.18	52.33	50.39	49.74	46.91	46.25
20-----	51.4	50.2	50.25	49.52	47.76	46.02	45.60	42.71	42.19
25-----	46.9	45.7	45.65	44.93	43.28	41.78	41.60	38.79	38.52
30-----	42.2	41.0	40.97	40.29	38.80	37.54	37.65	34.87	34.88
35-----	37.6	36.4	36.31	35.68	34.36	33.33	33.74	31.08	31.29
40-----	33.0	31.8	31.73	31.17	30.03	29.22	29.86	27.43	27.74
45-----	28.5	27.4	27.34	26.87	25.87	25.28	26.00	23.86	24.21
50-----	24.3	23.3	23.22	22.83	21.96	21.51	22.22	20.39	20.76
55-----	20.4	19.5	19.45	19.11	18.34	17.97	18.59	17.03	17.42
60-----	16.8	16.0	16.01	15.76	15.05	14.72	15.25	13.98	14.35
65-----	13.7	13.0	12.97	12.75	12.07	11.77	12.21	11.25	11.51
70-----	10.9	10.3	10.29	10.07	9.42	9.20	9.51	8.83	9.03
75-----	8.5	8.0	7.92	7.77	7.17	7.02	7.30	6.75	6.84
80-----	6.7	6.1	5.89	5.88	5.38	5.26	5.47	5.09	5.10
85-----	5.2	4.6	4.34	4.35	4.02	3.99	4.06	3.88	3.81
<b>ALL OTHER, MALE</b>									
0-----	63.6	60.9	61.48	58.91	52.33	47.55	47.14	34.05	32.54
1-----	64.4	62.1	63.50	61.06	56.05	51.08	51.63	42.53	42.46
5-----	60.6	58.4	59.98	57.69	53.13	48.69	50.18	44.25	45.06
10-----	55.8	53.6	55.19	52.96	48.54	44.27	45.99	40.65	41.90
15-----	50.9	48.8	50.39	48.23	43.95	39.83	41.75	36.77	38.26
20-----	46.3	44.3	45.78	43.73	39.74	35.95	38.36	33.46	35.11
25-----	42.1	40.2	41.38	39.49	35.94	32.67	35.54	30.44	32.21
30-----	38.0	36.2	37.05	35.31	32.25	29.45	32.51	27.33	29.25
35-----	33.8	32.1	32.81	31.21	28.67	26.39	29.54	24.42	26.16
40-----	29.8	28.2	28.72	27.29	25.23	23.36	26.53	21.57	23.12
45-----	26.0	24.6	24.89	23.59	22.02	20.59	23.55	18.85	20.09
50-----	22.4	21.2	21.28	20.25	19.18	17.92	20.47	16.21	17.34
55-----	19.2	18.1	18.11	17.36	16.67	15.46	17.50	13.82	14.69
60-----	16.3	15.3	15.29	14.91	14.38	13.15	14.74	11.67	12.62
65-----	13.7	12.8	12.84	12.75	12.18	10.87	12.07	9.74	10.38
70-----	11.3	10.6	10.61	10.74	10.06	8.78	9.58	8.00	8.33
75-----	9.7	8.9	8.93	8.83	8.09	6.99	7.61	6.58	6.60
80-----	8.5	7.5	6.87	6.87	6.46	5.42	5.83	5.53	5.12
85-----	7.1	6.0	5.08	5.38	5.08	4.30	4.53	4.48	4.04
<b>WHITE, FEMALE</b>									
0-----	77.2	75.4	74.19	72.03	67.29	62.67	58.53	53.62	51.08
1-----	77.1	75.6	74.68	72.77	68.93	64.93	61.51	58.69	56.39
5-----	73.3	71.8	70.92	69.09	65.57	62.17	59.43	57.67	56.03
10-----	68.4	66.9	66.05	64.26	60.85	57.65	55.17	53.57	52.15
15-----	63.5	62.0	61.15	59.39	56.07	53.00	50.67	49.12	47.79
20-----	58.6	57.2	56.29	54.56	51.38	48.52	46.46	44.88	43.77
25-----	53.8	52.4	51.45	49.77	46.78	44.25	42.55	40.88	40.05
30-----	49.0	47.6	46.63	45.00	42.21	39.99	38.72	36.96	36.42
35-----	44.2	42.8	41.84	40.28	37.70	35.73	34.86	33.09	32.82
40-----	39.4	38.1	37.13	35.64	33.25	31.52	30.94	29.26	29.17
45-----	34.8	33.5	32.53	31.12	28.90	27.39	26.98	25.45	25.51
50-----	30.3	29.1	28.08	26.76	24.72	23.41	23.12	21.74	21.89
55-----	26.0	24.8	23.81	22.58	20.73	19.60	19.40	18.18	18.43
60-----	21.9	20.7	19.69	18.64	17.00	16.05	15.93	14.92	15.23
65-----	18.1	16.9	15.88	15.00	13.56	12.81	12.75	11.97	12.23
70-----	14.4	13.3	12.38	11.68	10.50	9.98	9.94	9.38	9.59
75-----	11.2	10.2	9.28	8.87	7.92	7.56	7.62	7.20	7.33
80-----	8.6	7.5	6.67	6.59	5.88	5.63	5.70	5.35	5.50
85-----	6.5	5.5	4.66	4.83	4.34	4.24	4.24	4.06	4.10
<b>ALL OTHER, FEMALE</b>									
0-----	72.3	69.0	66.47	62.70	55.51	49.51	46.92	37.67	35.04
1-----	73.0	70.0	68.10	64.37	58.47	52.33	50.39	45.15	43.54
5-----	69.2	66.3	64.54	60.93	55.47	49.81	48.70	46.42	46.04
10-----	64.4	61.4	59.72	56.17	50.83	45.33	44.54	42.84	43.02
15-----	59.5	56.6	54.85	51.36	46.22	40.87	40.36	39.18	39.79
20-----	54.7	51.8	50.07	46.77	42.14	37.22	37.15	36.14	36.89
25-----	49.9	47.1	45.40	42.35	38.31	33.93	34.35	32.97	33.90
30-----	45.3	42.6	40.83	38.02	34.52	30.67	31.48	29.61	30.70
35-----	40.7	38.1	36.41	33.82	30.83	27.47	28.58	26.44	27.52
40-----	36.2	33.8	32.16	29.82	27.31	24.30	25.60	23.34	24.37
45-----	32.0	29.8	28.14	26.07	24.00	21.39	22.61	20.43	21.36
50-----	27.9	25.9	24.31	22.67	21.04	18.60	19.76	17.65	18.67
55-----	24.1	22.3	20.89	19.62	18.44	16.27	17.09	14.98	15.88
60-----	20.7	19.0	17.83	16.95	16.14	14.22	14.69	12.78	13.60
65-----	17.5	15.9	15.12	14.54	13.95	12.24	12.41	10.82	11.38
70-----	14.4	13.3	12.46	12.29	11.81	10.38	10.25	9.22	9.62
75-----	12.5	11.0	10.10	10.15	9.80	8.62	8.37	7.55	7.90
80-----	11.0	9.0	7.66	8.15	8.00	6.90	6.58	6.05	6.48
85-----	9.1	7.0	5.44	6.15	6.38	5.48	5.22	5.09	5.10

<sup>1</sup>Deaths 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, 1929-75

[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									
1975 <sup>1</sup>	72.5	68.7	76.5	72.2	69.4	77.2	67.9	63.6	72.3
1974 <sup>1</sup>	71.9	68.1	75.8	72.7	68.9	76.6	67.0	62.9	71.3
1973 <sup>1</sup>	71.3	67.6	75.3	72.2	68.4	76.1	65.9	61.9	70.1
1972 <sup>1,2</sup>	71.1	67.4	75.1	72.0	68.3	75.9	65.6	61.5	69.9
1971 <sup>1</sup>	71.1	67.4	75.0	72.0	68.3	75.8	65.6	61.6	69.7
1970 <sup>1</sup>	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	64.0	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 <sup>3</sup>	69.9	66.6	73.4	70.8	67.5	74.4	63.6	60.9	66.5
1962 <sup>3</sup>	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	59.7	64.5
1952	68.6	65.8	71.6	69.5	66.6	72.6	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

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

**FILE**

**NCHS**

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