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## United States Life Tables, 2008

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The **Technical Notes** section of this report has been updated (see page 60, left column, last paragraph) to facilitate replication of this work.

### Abstract

**Objectives**—This report presents complete period life tables for the United States by race, Hispanic origin, and sex, based on age-specific death rates in 2008.

**Methods**—Data used to prepare the 2008 life tables are 2008 final mortality statistics; July 1, 2008, population estimates based on the 2000 decennial census; and 2008 Medicare data for persons aged 66–99. The methodology used to estimate the 2008 life tables has been revised from that used for data years 2000–2007. The methodology was refined in two important ways. First, a logistic model rather than a nonlinear least squares model was used to smooth and extrapolate the vital statistics and Medicare blended death rates at the oldest ages. Second, the age at which smoothing is begun was raised from 66 to 85 or so, depending on the population. This modification applies to the life tables for the total population and for the white, black, non-Hispanic white, and non-Hispanic black populations. The methodology used to estimate the life tables for the Hispanic population remains unchanged from that developed for the publication of life tables by Hispanic origin for data year 2006.

**Results**—In 2008, the overall expectation of life at birth was 78.1 years. Between 2007 and 2008, life expectancy at birth increased for all groups considered, although approximately 0.1 years of the increase is due to the change in methodology. Life expectancy increased for both males (from 75.4 to 75.6) and females (80.4 to 80.6) and for the white population (78.4 to 78.5), the black population (73.6 to 74.0), the Hispanic population (80.9 to 81.0), the non-Hispanic white population (78.2 to 78.4), and the non-Hispanic black population (73.2 to 73.7).

**Keywords:** life expectancy • survival • death rates • race

### Introduction

There are two types of U.S. life tables: the cohort (or generation) life table and the period (or current) life table. The cohort life table presents the mortality experience of a particular birth 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 through consecutive calendar years, the cohort life table reflects the mortality experience of an actual cohort from birth until no lives remain in the group. To prepare just a single complete cohort life table requires data over many years. It is usually not feasible to construct cohort life tables entirely on the basis of observed data for real cohorts due to data unavailability or incompleteness (1). For example, a life table representation of the mortality experience of a cohort of persons born in 1970 would require the use of data projection techniques to estimate deaths into the future (2,3).

Unlike the cohort life table, the period life table does not represent the mortality experience of an actual birth cohort. Rather, the period life table presents what would happen to a hypothetical cohort if it experienced throughout its entire life the mortality conditions of a particular period in time. For example, a period life table for 2008 assumes a hypothetical cohort that is subject throughout its lifetime to the age-specific death rates prevailing for the actual population in 2008. The period life table may thus be characterized as rendering a “snapshot” of current mortality experience and shows the long-range implications of a set of age-specific death rates that prevailed in a given year. In this report the term “life table” refers only to the period life table and not to the cohort life table.

Life tables can be classified in two ways according to the length of the age interval in which data are presented. A *complete* life table contains data for every single year of age. An *abridged* life table typically contains data by 5- or 10-year age intervals. A complete life table, of course, can easily be aggregated into 5- or 10-year age groups (refer to the Technical Notes at the end of this report for instructions). Other than the decennial life tables, U.S. life tables based on data prior to 1997 are abridged life tables constructed by reference to a standard table (4). This report presents complete period life tables by race, Hispanic origin, race for the non-Hispanic population, and sex.

### Data and Methods

The data used to prepare the U.S. life tables for 2008 are final numbers of deaths for the year 2008, postcensal population estimates for the year 2008, and age-specific death and population



**Table 13. Life table for the non-Hispanic white population: United States, 2008**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/61\\_03/Table13.xls](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table13.xls).

Age (years)	Probability of dying between ages $x$ and $x + 1$	Number surviving to age $x$	Number dying between ages $x$ and $x + 1$	Person-years lived between ages $x$ and $x + 1$	Total number of person-years lived above age $x$	Expectation of life at age $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
0-1	0.005503	100,000	550	99,520	7,837,249	78.4
1-2	0.000425	99,450	42	99,429	7,737,729	77.8
2-3	0.000259	99,407	26	99,395	7,638,300	76.8
3-4	0.000201	99,382	20	99,372	7,538,906	75.9
4-5	0.000153	99,362	15	99,354	7,439,534	74.9
5-6	0.000141	99,347	14	99,340	7,340,180	73.9
6-7	0.000128	99,333	13	99,326	7,240,840	72.9
7-8	0.000116	99,320	12	99,314	7,141,514	71.9
8-9	0.000102	99,308	10	99,303	7,042,200	70.9
9-10	0.000085	99,298	8	99,294	6,942,897	69.9
10-11	0.000073	99,290	7	99,286	6,843,603	68.9
11-12	0.000078	99,282	8	99,279	6,744,317	67.9
12-13	0.000112	99,275	11	99,269	6,645,038	66.9
13-14	0.000182	99,264	18	99,255	6,545,769	65.9
14-15	0.000274	99,245	27	99,232	6,446,515	65.0
15-16	0.000369	99,218	37	99,200	6,347,283	64.0
16-17	0.000457	99,182	45	99,159	6,248,083	63.0
17-18	0.000542	99,136	54	99,110	6,148,924	62.0
18-19	0.000621	99,083	62	99,052	6,049,814	61.1
19-20	0.000696	99,021	69	98,987	5,950,762	60.1
20-21	0.000776	98,952	77	98,914	5,851,776	59.1
21-22	0.000852	98,875	84	98,833	5,752,862	58.2
22-23	0.000907	98,791	90	98,746	5,654,029	57.2
23-24	0.000930	98,702	92	98,656	5,555,282	56.3
24-25	0.000931	98,610	92	98,564	5,456,627	55.3
25-26	0.000926	98,518	91	98,472	5,358,063	54.4
26-27	0.000926	98,427	91	98,381	5,259,590	53.4
27-28	0.000931	98,336	92	98,290	5,161,209	52.5
28-29	0.000946	98,244	93	98,198	5,062,920	51.5
29-30	0.000972	98,151	95	98,103	4,964,722	50.6
30-31	0.001007	98,056	99	98,006	4,866,619	49.6
31-32	0.001047	97,957	103	97,906	4,768,612	48.7
32-33	0.001096	97,854	107	97,801	4,670,706	47.7
33-34	0.001138	97,747	111	97,692	4,572,906	46.8
34-35	0.001184	97,636	116	97,578	4,475,214	45.8
35-36	0.001240	97,520	121	97,460	4,377,636	44.9
36-37	0.001310	97,399	128	97,336	4,280,176	43.9
37-38	0.001392	97,272	135	97,204	4,182,840	43.0
38-39	0.001492	97,136	145	97,064	4,085,636	42.1
39-40	0.001612	96,991	156	96,913	3,988,572	41.1
40-41	0.001743	96,835	169	96,751	3,891,659	40.2
41-42	0.001892	96,666	183	96,575	3,794,908	39.3
42-43	0.002077	96,483	200	96,383	3,698,333	38.3
43-44	0.002297	96,283	221	96,172	3,601,950	37.4
44-45	0.002538	96,062	244	95,940	3,505,778	36.5
45-46	0.002779	95,818	266	95,685	3,409,838	35.6
46-47	0.003019	95,552	289	95,407	3,314,153	34.7
47-48	0.003273	95,263	312	95,107	3,218,746	33.8
48-49	0.003549	94,951	337	94,783	3,123,638	32.9
49-50	0.003850	94,614	364	94,432	3,028,855	32.0
50-51	0.004180	94,250	394	94,053	2,934,423	31.1
51-52	0.004523	93,856	425	93,644	2,840,370	30.3
52-53	0.004868	93,432	455	93,204	2,746,726	29.4
53-54	0.005207	92,977	484	92,735	2,653,522	28.5
54-55	0.005552	92,493	514	92,236	2,560,787	27.7
55-56	0.005919	91,979	544	91,707	2,468,551	26.8
56-57	0.006333	91,435	579	91,145	2,376,844	26.0
57-58	0.006818	90,856	619	90,546	2,285,699	25.2
58-59	0.007391	90,236	667	89,903	2,195,153	24.3
59-60	0.008043	89,569	720	89,209	2,105,250	23.5
60-61	0.008767	88,849	779	88,459	2,016,041	22.7
61-62	0.009542	88,070	840	87,650	1,927,581	21.9
62-63	0.010360	87,230	904	86,778	1,839,932	21.1

See footnote at end of table.

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Age (years)	Probability of dying between ages $x$ and $x + 1$	Number surviving to age $x$	Number dying between ages $x$ and $x + 1$	Person-years lived between ages $x$ and $x + 1$	Total number of person-years lived above age $x$	Expectation of life at age $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
63-64	0.011225	86,326	969	85,841	1,753,154	20.3
64-65	0.012167	85,357	1,039	84,838	1,667,313	19.5
65-66	0.013260	84,318	1,118	83,759	1,582,475	18.8
66-67	0.014507	83,200	1,207	82,597	1,498,716	18.0
67-68	0.015859	81,993	1,300	81,343	1,416,119	17.3
68-69	0.017274	80,693	1,394	79,996	1,334,776	16.5
69-70	0.018782	79,299	1,489	78,554	1,254,780	15.8
70-71	0.020413	77,810	1,588	77,015	1,176,226	15.1
71-72	0.022336	76,221	1,702	75,370	1,099,211	14.4
72-73	0.024591	74,519	1,832	73,602	1,023,841	13.7
73-74	0.027088	72,686	1,969	71,702	950,238	13.1
74-75	0.029748	70,717	2,104	69,665	878,537	12.4
75-76	0.032556	68,614	2,234	67,497	808,871	11.8
76-77	0.035632	66,380	2,365	65,197	741,374	11.2
77-78	0.039142	64,015	2,506	62,762	676,177	10.6
78-79	0.043216	61,509	2,658	60,180	613,415	10.0
79-80	0.047881	58,851	2,818	57,442	553,235	9.4
80-81	0.052838	56,033	2,961	54,553	495,794	8.8
81-82	0.058081	53,072	3,082	51,531	441,241	8.3
82-83	0.064023	49,990	3,200	48,390	389,710	7.8
83-84	0.071073	46,789	3,325	45,127	341,320	7.3
84-85	0.078919	43,464	3,430	41,749	296,194	6.8
85-86	0.087693	40,034	3,511	38,278	254,445	6.4
86-87	0.097330	36,523	3,555	34,746	216,167	5.9
87-88	0.108641	32,968	3,582	31,177	181,421	5.5
88-89	0.120988	29,387	3,555	27,609	150,244	5.1
89-90	0.134399	25,831	3,472	24,095	122,635	4.7
90-91	0.148891	22,359	3,329	20,695	98,539	4.4
91-92	0.164464	19,030	3,130	17,465	77,845	4.1
92-93	0.181095	15,901	2,880	14,461	60,379	3.8
93-94	0.198742	13,021	2,588	11,727	45,918	3.5
94-95	0.217340	10,433	2,268	9,299	34,191	3.3
95-96	0.236797	8,166	1,934	7,199	24,892	3.0
96-97	0.257000	6,232	1,602	5,431	17,693	2.8
97-98	0.277812	4,630	1,286	3,987	12,262	2.6
98-99	0.299080	3,344	1,000	2,844	8,275	2.5
99-100	0.320633	2,344	752	1,968	5,431	2.3
100 and over	1.000000	1,592	1,592	3,462	3,462	2.2

SOURCE: CDC/NCHS, National Vital Statistics System.

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	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
0-1	0.006000	100,000	600	99,479	7,593,024	75.9
1-2	0.000455	99,400	45	99,377	7,493,545	75.4
2-3	0.000296	99,355	29	99,340	7,394,168	74.4
3-4	0.000243	99,325	24	99,313	7,294,828	73.4
4-5	0.000164	99,301	16	99,293	7,195,515	72.5
5-6	0.000157	99,285	16	99,277	7,096,222	71.5
6-7	0.000141	99,269	14	99,262	6,996,945	70.5
7-8	0.000126	99,255	13	99,249	6,897,682	69.5
8-9	0.000107	99,243	11	99,238	6,798,433	68.5
9-10	0.000086	99,232	8	99,228	6,699,196	67.5
10-11	0.000070	99,224	7	99,220	6,599,968	66.5
11-12	0.000078	99,217	8	99,213	6,500,748	65.5
12-13	0.000127	99,209	13	99,203	6,401,535	64.5
13-14	0.000224	99,196	22	99,185	6,302,332	63.5
14-15	0.000352	99,174	35	99,157	6,203,147	62.5
15-16	0.000484	99,139	48	99,115	6,103,990	61.6
16-17	0.000607	99,091	60	99,061	6,004,875	60.6
17-18	0.000732	99,031	72	98,995	5,905,814	59.6
18-19	0.000859	98,959	85	98,916	5,806,819	58.7
19-20	0.000986	98,874	98	98,825	5,707,903	57.7
20-21	0.001123	98,776	111	98,721	5,609,078	56.8
21-22	0.001250	98,665	123	98,604	5,510,357	55.8
22-23	0.001337	98,542	132	98,476	5,411,753	54.9
23-24	0.001367	98,410	134	98,343	5,313,277	54.0
24-25	0.001355	98,276	133	98,209	5,214,934	53.1
25-26	0.001329	98,143	130	98,077	5,116,725	52.1
26-27	0.001313	98,012	129	97,948	5,018,648	51.2
27-28	0.001304	97,883	128	97,820	4,920,700	50.3
28-29	0.001314	97,756	128	97,692	4,822,881	49.3
29-30	0.001339	97,627	131	97,562	4,725,189	48.4
30-31	0.001374	97,497	134	97,430	4,627,627	47.5
31-32	0.001413	97,363	138	97,294	4,530,198	46.5
32-33	0.001465	97,225	142	97,154	4,432,904	45.6
33-34	0.001501	97,083	146	97,010	4,335,750	44.7
34-35	0.001548	96,937	150	96,862	4,238,740	43.7
35-36	0.001608	96,787	156	96,709	4,141,878	42.8
36-37	0.001685	96,631	163	96,550	4,045,169	41.9
37-38	0.001776	96,468	171	96,383	3,948,620	40.9
38-39	0.001884	96,297	181	96,206	3,852,237	40.0
39-40	0.002016	96,116	194	96,019	3,756,031	39.1
40-41	0.002162	95,922	207	95,818	3,660,012	38.2
41-42	0.002334	95,715	223	95,603	3,564,194	37.2
42-43	0.002555	95,491	244	95,369	3,468,591	36.3
43-44	0.002826	95,247	269	95,113	3,373,222	35.4
44-45	0.003127	94,978	297	94,830	3,278,109	34.5
45-46	0.003429	94,681	325	94,519	3,183,280	33.6
46-47	0.003733	94,356	352	94,180	3,088,761	32.7
47-48	0.004061	94,004	382	93,813	2,994,581	31.9
48-49	0.004426	93,622	414	93,415	2,900,768	31.0
49-50	0.004829	93,208	450	92,983	2,807,352	30.1
50-51	0.005268	92,758	489	92,514	2,714,370	29.3
51-52	0.005721	92,269	528	92,005	2,621,856	28.4
52-53	0.006174	91,741	566	91,458	2,529,851	27.6
53-54	0.006618	91,175	603	90,873	2,438,392	26.7
54-55	0.007066	90,572	640	90,252	2,347,519	25.9
55-56	0.007541	89,932	678	89,593	2,257,268	25.1
56-57	0.008070	89,254	720	88,893	2,167,675	24.3
57-58	0.008665	88,533	767	88,150	2,078,782	23.5
58-59	0.009339	87,766	820	87,356	1,990,632	22.7
59-60	0.010087	86,946	877	86,508	1,903,276	21.9
60-61	0.010906	86,069	939	85,600	1,816,768	21.1
61-62	0.011788	85,131	1,004	84,629	1,731,168	20.3
62-63	0.012732	84,127	1,071	83,592	1,646,539	19.6

See footnote at end of table.

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Age (years)	Probability of dying between ages $x$ and $x + 1$	Number surviving to age $x$	Number dying between ages $x$ and $x + 1$	Person-years lived between ages $x$ and $x + 1$	Total number of person-years lived above age $x$	Expectation of life at age $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
63-64	0.013751	83,056	1,142	82,485	1,562,947	18.8
64-65	0.014881	81,914	1,219	81,304	1,480,462	18.1
65-66	0.016192	80,695	1,307	80,042	1,399,158	17.3
66-67	0.017680	79,388	1,404	78,687	1,319,116	16.6
67-68	0.019303	77,985	1,505	77,232	1,240,429	15.9
68-69	0.021008	76,479	1,607	75,676	1,163,197	15.2
69-70	0.022817	74,873	1,708	74,019	1,087,521	14.5
70-71	0.024760	73,164	1,812	72,259	1,013,503	13.9
71-72	0.027017	71,353	1,928	70,389	941,244	13.2
72-73	0.029726	69,425	2,064	68,393	870,855	12.5
73-74	0.032751	67,361	2,206	66,258	802,462	11.9
74-75	0.035986	65,155	2,345	63,983	736,203	11.3
75-76	0.039392	62,811	2,474	61,573	672,221	10.7
76-77	0.043042	60,336	2,597	59,038	610,647	10.1
77-78	0.047250	57,739	2,728	56,375	551,609	9.6
78-79	0.052133	55,011	2,868	53,577	495,234	9.0
79-80	0.057772	52,143	3,012	50,637	441,657	8.5
80-81	0.063732	49,131	3,131	47,565	391,020	8.0
81-82	0.069993	46,000	3,220	44,390	343,455	7.5
82-83	0.076960	42,780	3,292	41,134	299,065	7.0
83-84	0.085164	39,488	3,363	37,806	257,931	6.5
84-85	0.094254	36,125	3,405	34,422	220,125	6.1
85-86	0.104721	32,720	3,426	31,007	185,703	5.7
86-87	0.116432	29,293	3,411	27,588	154,696	5.3
87-88	0.129152	25,883	3,343	24,211	127,108	4.9
88-89	0.142900	22,540	3,221	20,929	102,897	4.6
89-90	0.157682	19,319	3,046	17,796	81,968	4.2
90-91	0.173488	16,273	2,823	14,861	64,172	3.9
91-92	0.190285	13,450	2,559	12,170	49,311	3.7
92-93	0.208022	10,890	2,265	9,758	37,141	3.4
93-94	0.226627	8,625	1,955	7,648	27,383	3.2
94-95	0.246002	6,670	1,641	5,850	19,736	3.0
95-96	0.266033	5,029	1,338	4,360	13,886	2.8
96-97	0.286584	3,691	1,058	3,162	9,526	2.6
97-98	0.307504	2,633	810	2,229	6,363	2.4
98-99	0.328630	1,824	599	1,524	4,135	2.3
99-100	0.349794	1,224	428	1,010	2,610	2.1
100 and over	1.000000	796	796	1,600	1,600	2.0

SOURCE: CDC/NCHS, National Vital Statistics System.



**Table 15. Life table for non-Hispanic white females: United States, 2008**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/61\\_03/Table15.xls](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table15.xls).

Age (years)	Probability of dying between ages $x$ and $x + 1$	Number surviving to age $x$	Number dying between ages $x$ and $x + 1$	Person-years lived between ages $x$ and $x + 1$	Total number of person-years lived above age $x$	Expectation of life at age $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
0-1	0.004980	100,000	498	99,563	8,074,913	80.7
1-2	0.000392	99,502	39	99,483	7,975,350	80.2
2-3	0.000220	99,463	22	99,452	7,875,867	79.2
3-4	0.000158	99,441	16	99,433	7,776,415	78.2
4-5	0.000142	99,425	14	99,418	7,676,982	77.2
5-6	0.000125	99,411	12	99,405	7,577,563	76.2
6-7	0.000114	99,399	11	99,393	7,478,158	75.2
7-8	0.000106	99,388	10	99,382	7,378,765	74.2
8-9	0.000096	99,377	9	99,372	7,279,383	73.3
9-10	0.000085	99,368	8	99,363	7,180,010	72.3
10-11	0.000077	99,359	8	99,355	7,080,647	71.3
11-12	0.000078	99,352	8	99,348	6,981,291	70.3
12-13	0.000097	99,344	10	99,339	6,881,944	69.3
13-14	0.000137	99,334	14	99,327	6,782,605	68.3
14-15	0.000190	99,321	19	99,311	6,683,277	67.3
15-16	0.000247	99,302	25	99,289	6,583,966	66.3
16-17	0.000299	99,277	30	99,262	6,484,677	65.3
17-18	0.000341	99,247	34	99,231	6,385,415	64.3
18-19	0.000370	99,214	37	99,195	6,286,184	63.4
19-20	0.000390	99,177	39	99,158	6,186,989	62.4
20-21	0.000409	99,138	41	99,118	6,087,831	61.4
21-22	0.000432	99,098	43	99,076	5,988,713	60.4
22-23	0.000452	99,055	45	99,032	5,889,637	59.5
23-24	0.000471	99,010	47	98,987	5,790,605	58.5
24-25	0.000489	98,963	48	98,939	5,691,618	57.5
25-26	0.000507	98,915	50	98,890	5,592,679	56.5
26-27	0.000527	98,865	52	98,839	5,493,789	55.6
27-28	0.000548	98,813	54	98,786	5,394,950	54.6
28-29	0.000571	98,759	56	98,730	5,296,164	53.6
29-30	0.000598	98,702	59	98,673	5,197,434	52.7
30-31	0.000634	98,643	63	98,612	5,098,761	51.7
31-32	0.000678	98,581	67	98,547	5,000,149	50.7
32-33	0.000726	98,514	71	98,478	4,901,602	49.8
33-34	0.000772	98,442	76	98,404	4,803,124	48.8
34-35	0.000818	98,366	80	98,326	4,704,720	47.8
35-36	0.000869	98,286	85	98,243	4,606,394	46.9
36-37	0.000931	98,200	91	98,155	4,508,151	45.9
37-38	0.001005	98,109	99	98,060	4,409,996	44.9
38-39	0.001096	98,010	107	97,957	4,311,936	44.0
39-40	0.001206	97,903	118	97,844	4,213,979	43.0
40-41	0.001323	97,785	129	97,720	4,116,135	42.1
41-42	0.001450	97,656	142	97,585	4,018,415	41.1
42-43	0.001600	97,514	156	97,436	3,920,830	40.2
43-44	0.001771	97,358	172	97,272	3,823,394	39.3
44-45	0.001951	97,186	190	97,091	3,726,122	38.3
45-46	0.002133	96,996	207	96,892	3,629,032	37.4
46-47	0.002312	96,789	224	96,677	3,532,139	36.5
47-48	0.002493	96,565	241	96,445	3,435,462	35.6
48-49	0.002683	96,324	258	96,195	3,339,017	34.7
49-50	0.002885	96,066	277	95,928	3,242,822	33.8
50-51	0.003108	95,789	298	95,640	3,146,895	32.9
51-52	0.003346	95,491	320	95,331	3,051,254	32.0
52-53	0.003587	95,172	341	95,001	2,955,923	31.1
53-54	0.003825	94,830	363	94,649	2,860,922	30.2
54-55	0.004074	94,468	385	94,275	2,766,273	29.3
55-56	0.004339	94,083	408	93,879	2,671,998	28.4
56-57	0.004647	93,674	435	93,457	2,578,119	27.5
57-58	0.005031	93,239	469	93,005	2,484,662	26.6
58-59	0.005514	92,770	511	92,514	2,391,658	25.8
59-60	0.006082	92,259	561	91,978	2,299,143	24.9
60-61	0.006723	91,697	616	91,389	2,207,165	24.1
61-62	0.007407	91,081	675	90,744	2,115,776	23.2
62-63	0.008119	90,406	734	90,039	2,025,032	22.4

See footnote at end of table.

**Table 15. Life table for non-Hispanic white females: United States, 2008—Con.**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/61\\_03/Table15.xls](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table15.xls).

Age (years)	Probability of dying between ages $x$ and $x + 1$	Number surviving to age $x$	Number dying between ages $x$ and $x + 1$	Person-years lived between ages $x$ and $x + 1$	Total number of person-years lived above age $x$	Expectation of life at age $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
63-64	0.008854	89,672	794	89,275	1,934,993	21.6
64-65	0.009641	88,878	857	88,450	1,845,718	20.8
65-66	0.010558	88,021	929	87,557	1,757,268	20.0
66-67	0.011613	87,092	1,011	86,586	1,669,711	19.2
67-68	0.012751	86,081	1,098	85,532	1,583,124	18.4
68-69	0.013939	84,983	1,185	84,391	1,497,593	17.6
69-70	0.015214	83,799	1,275	83,161	1,413,202	16.9
70-71	0.016610	82,524	1,371	81,838	1,330,041	16.1
71-72	0.018292	81,153	1,484	80,411	1,248,202	15.4
72-73	0.020221	79,668	1,611	78,863	1,167,792	14.7
73-74	0.022351	78,057	1,745	77,185	1,088,929	14.0
74-75	0.024624	76,313	1,879	75,373	1,011,744	13.3
75-76	0.027048	74,434	2,013	73,427	936,371	12.6
76-77	0.029777	72,420	2,156	71,342	862,944	11.9
77-78	0.032873	70,264	2,310	69,109	791,602	11.3
78-79	0.036506	67,954	2,481	66,714	722,493	10.6
79-80	0.040671	65,473	2,663	64,142	655,779	10.0
80-81	0.045155	62,810	2,836	61,392	591,638	9.4
81-82	0.049963	59,974	2,996	58,476	530,245	8.8
82-83	0.055543	56,978	3,165	55,395	471,770	8.3
83-84	0.062198	53,813	3,347	52,139	416,374	7.7
84-85	0.069603	50,466	3,513	48,710	364,235	7.2
85-86	0.077965	46,953	3,661	45,123	315,525	6.7
86-87	0.087203	43,293	3,775	41,405	270,402	6.2
87-88	0.098144	39,517	3,878	37,578	228,997	5.8
88-89	0.110197	35,639	3,927	33,675	191,419	5.4
89-90	0.123409	31,712	3,913	29,755	157,744	5.0
90-91	0.137812	27,798	3,831	25,883	127,989	4.6
91-92	0.153422	23,967	3,677	22,129	102,106	4.3
92-93	0.170231	20,290	3,454	18,563	79,978	3.9
93-94	0.188205	16,836	3,169	15,252	61,415	3.6
94-95	0.207286	13,667	2,833	12,251	46,163	3.4
95-96	0.227381	10,834	2,464	9,603	33,912	3.1
96-97	0.248371	8,371	2,079	7,331	24,309	2.9
97-98	0.270108	6,292	1,699	5,442	16,978	2.7
98-99	0.292417	4,592	1,343	3,921	11,536	2.5
99-100	0.315104	3,249	1,024	2,737	7,615	2.3
100 and over	1.000000	2,226	2,226	4,877	4,877	2.2

SOURCE: CDC/NCHS, National Vital Statistics System.