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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

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

Table 1. Life table for the total population: United States, 2008

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table01.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	0.006593	100,000	659	99,425	7,812,389	78.1
1–2	0.000461	99,341	46	99,318	7,712,964	77.6
2–3	0.000281	99,295	28	99,281	7,613,646	76.7
3–4	0.000219	99,267	22	99,256	7,514,365	75.7
4–5	0.000172	99,245	17	99,237	7,415,109	74.7
5–6	0.000155	99,228	15	99,221	7,315,872	73.7
6–7	0.000139	99,213	14	99,206	7,216,651	72.7
7–8	0.000126	99,199	12	99,193	7,117,445	71.7
8–9	0.000110	99,187	11	99,181	7,018,252	70.8
9–10	0.000093	99,176	9	99,171	6,919,071	69.8
10–11	0.000081	99,167	8	99,162	6,819,900	68.8
11–12	0.000087	99,158	9	99,154	6,720,738	67.8
12–13	0.000123	99,150	12	99,144	6,621,583	66.8
13–14	0.000196	99,138	19	99,128	6,522,440	65.8
14–15	0.000293	99,118	29	99,104	6,423,312	64.8
15–16	0.000395	99,089	39	99,070	6,324,208	63.8
16–17	0.000490	99,050	49	99,026	6,225,138	62.8
17–18	0.000581	99,002	58	98,973	6,126,112	61.9
18–19	0.000666	98,944	66	98,911	6,027,139	60.9
19–20	0.000746	98,878	74	98,841	5,928,228	60.0
20–21	0.000832	98,804	82	98,763	5,829,387	59.0
21–22	0.000915	98,722	90	98,677	5,730,624	58.0
22–23	0.000972	98,632	96	98,584	5,631,946	57.1
23–24	0.000993	98,536	98	98,487	5,533,362	56.2
24–25	0.000987	98,438	97	98,390	5,434,875	55.2
25–26	0.000974	98,341	96	98,293	5,336,485	54.3
26–27	0.000966	98,245	95	98,198	5,238,192	53.3
27–28	0.000964	98,150	95	98,103	5,139,994	52.4
28–29	0.000973	98,056	95	98,008	5,041,891	51.4
29–30	0.000993	97,960	97	97,912	4,943,883	50.5
30–31	0.001020	97,863	100	97,813	4,845,971	49.5
31–32	0.001052	97,763	103	97,712	4,748,158	48.6
32–33	0.001088	97,660	106	97,607	4,650,446	47.6
33–34	0.001134	97,554	111	97,499	4,552,839	46.7
34–35	0.001183	97,443	115	97,386	4,455,340	45.7
35–36	0.001242	97,328	121	97,268	4,357,954	44.8
36–37	0.001314	97,207	128	97,143	4,260,687	43.8
37–38	0.001400	97,080	136	97,012	4,163,543	42.9
38–39	0.001507	96,944	146	96,871	4,066,531	41.9
39–40	0.001635	96,798	158	96,718	3,969,661	41.0
40–41	0.001777	96,639	172	96,553	3,872,942	40.1
41–42	0.001937	96,468	187	96,374	3,776,389	39.1
42–43	0.002128	96,281	205	96,178	3,680,015	38.2
43–44	0.002348	96,076	226	95,963	3,583,837	37.3
44–45	0.002588	95,850	248	95,726	3,487,873	36.4
45–46	0.002833	95,602	271	95,467	3,392,147	35.5
46–47	0.003082	95,331	294	95,184	3,296,681	34.6
47–48	0.003350	95,038	318	94,878	3,201,496	33.7
48–49	0.003647	94,719	345	94,546	3,106,618	32.8
49–50	0.003974	94,374	375	94,186	3,012,071	31.9
50–51	0.004331	93,999	407	93,795	2,917,885	31.0
51–52	0.004703	93,592	440	93,371	2,824,090	30.2
52–53	0.005080	93,151	473	92,915	2,730,719	29.3
53–54	0.005455	92,678	506	92,425	2,637,804	28.5
54–55	0.005837	92,173	538	91,904	2,545,379	27.6
55–56	0.006244	91,635	572	91,348	2,453,475	26.8
56–57	0.006696	91,062	610	90,757	2,362,127	25.9
57–58	0.007200	90,453	651	90,127	2,271,369	25.1
58–59	0.007767	89,801	698	89,453	2,181,242	24.3
59–60	0.008397	89,104	748	88,730	2,091,790	23.5
60–61	0.009094	88,356	804	87,954	2,003,060	22.7
61–62	0.009850	87,552	862	87,121	1,915,106	21.9
62–63	0.010659	86,690	924	86,228	1,827,985	21.1

See footnote at end of table.

Table 1. Life table for the total population: United States, 2008—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table01.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	0.011524	85,766	988	85,272	1,741,757	20.3
64–65	0.012470	84,777	1,057	84,249	1,656,486	19.5
65–66	0.013556	83,720	1,135	83,153	1,572,237	18.8
66–67	0.014791	82,585	1,222	81,974	1,489,084	18.0
67–68	0.016128	81,364	1,312	80,708	1,407,110	17.3
68–69	0.017526	80,052	1,403	79,350	1,326,402	16.6
69–70	0.019016	78,649	1,496	77,901	1,247,052	15.9
70–71	0.020614	77,153	1,590	76,358	1,169,152	15.2
71–72	0.022470	75,563	1,698	74,714	1,092,794	14.5
72–73	0.024658	73,865	1,821	72,954	1,018,080	13.8
73–74	0.027108	72,043	1,953	71,067	945,126	13.1
74–75	0.029742	70,090	2,085	69,048	874,059	12.5
75–76	0.032550	68,006	2,214	66,899	805,011	11.8
76–77	0.035608	65,792	2,343	64,621	738,112	11.2
77–78	0.039071	63,449	2,479	62,210	673,491	10.6
78–79	0.043101	60,970	2,628	59,656	611,281	10.0
70–80	0.047659	58,343	2,781	56,952	551,625	9.5
80–81	0.052515	55,562	2,918	54,103	494,673	8.9
81–82	0.057686	52,644	3,037	51,126	440,570	8.4
82–83	0.063567	49,607	3,153	48,031	389,444	7.9
83–84	0.070564	46,454	3,278	44,815	341,413	7.3
84–85	0.078249	43,176	3,378	41,487	296,598	6.9
85–86	0.086853	39,797	3,457	38,069	255,112	6.4
86–87	0.096796	36,341	3,518	34,582	217,042	6.0
87–88	0.107836	32,823	3,540	31,054	182,460	5.6
88–89	0.119871	29,284	3,510	27,529	151,407	5.2
89–90	0.132929	25,774	3,426	24,060	123,878	4.8
90–91	0.147027	22,347	3,286	20,705	99,818	4.5
91–92	0.162166	19,062	3,091	17,516	79,113	4.2
92–93	0.178329	15,971	2,848	14,547	61,597	3.9
93–94	0.195479	13,123	2,565	11,840	47,050	3.6
94–95	0.213557	10,557	2,255	9,430	35,210	3.3
95–96	0.232482	8,303	1,930	7,338	25,780	3.1
96–97	0.252150	6,373	1,607	5,569	18,442	2.9
97–98	0.272439	4,766	1,298	4,117	12,873	2.7
98–99	0.293205	3,467	1,017	2,959	8,757	2.5
99–100	0.314293	2,451	770	2,066	5,798	2.4
100 and over	1.000000	1,680	1,680	3,732	3,732	2.2

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 2. Life table for males: United States, 2008

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table02.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	0.007195	100,000	720	99,374	7,559,612	75.6
1–2	0.000504	99,280	50	99,255	7,460,238	75.1
2–3	0.000319	99,230	32	99,215	7,360,983	74.2
3–4	0.000248	99,199	25	99,187	7,261,768	73.2
4–5	0.000189	99,174	19	99,165	7,162,581	72.2
5–6	0.000172	99,155	17	99,147	7,063,417	71.2
6–7	0.000156	99,138	15	99,131	6,964,270	70.2
7–8	0.000140	99,123	14	99,116	6,865,139	69.3
8–9	0.000119	99,109	12	99,103	6,766,023	68.3
9–10	0.000093	99,097	9	99,093	6,666,920	67.3
10–11	0.000074	99,088	7	99,084	6,567,827	66.3
11–12	0.000080	99,081	8	99,077	6,468,743	65.3
12–13	0.000132	99,073	13	99,066	6,369,666	64.3
13–14	0.000239	99,060	24	99,048	6,270,600	63.3
14–15	0.000384	99,036	38	99,017	6,171,552	62.3
15–16	0.000535	98,998	53	98,972	6,072,535	61.3
16–17	0.000675	98,945	67	98,912	5,973,563	60.4
17–18	0.000813	98,878	80	98,838	5,874,651	59.4
18–19	0.000949	98,798	94	98,751	5,775,813	58.5
19–20	0.001081	98,704	107	98,651	5,677,062	57.5
20–21	0.001225	98,598	121	98,537	5,578,411	56.6
21–22	0.001359	98,477	134	98,410	5,479,874	55.6
22–23	0.001447	98,343	142	98,272	5,381,464	54.7
23–24	0.001470	98,201	144	98,129	5,283,192	53.8
24–25	0.001444	98,056	142	97,986	5,185,064	52.9
25–26	0.001403	97,915	137	97,846	5,087,078	52.0
26–27	0.001372	97,777	134	97,710	4,989,232	51.0
27–28	0.001352	97,643	132	97,577	4,891,522	50.1
28–29	0.001353	97,511	132	97,445	4,793,945	49.2
29–30	0.001371	97,379	134	97,313	4,696,499	48.2
30–31	0.001399	97,246	136	97,178	4,599,187	47.3
31–32	0.001427	97,110	139	97,040	4,502,009	46.4
32–33	0.001461	96,971	142	96,900	4,404,969	45.4
33–34	0.001504	96,829	146	96,757	4,308,068	44.5
34–35	0.001551	96,684	150	96,609	4,211,312	43.6
35–36	0.001611	96,534	156	96,456	4,114,703	42.6
36–37	0.001688	96,378	163	96,297	4,018,247	41.7
37–38	0.001782	96,216	171	96,130	3,921,950	40.8
38–39	0.001899	96,044	182	95,953	3,825,820	39.8
39–40	0.002042	95,862	196	95,764	3,729,866	38.9
40–41	0.002203	95,666	211	95,561	3,634,102	38.0
41–42	0.002388	95,455	228	95,342	3,538,542	37.1
42–43	0.002614	95,228	249	95,103	3,443,200	36.2
43–44	0.002881	94,979	274	94,842	3,348,097	35.3
44–45	0.003176	94,705	301	94,555	3,253,255	34.4
45–46	0.003478	94,404	328	94,240	3,158,701	33.5
46–47	0.003789	94,076	356	93,898	3,064,460	32.6
47–48	0.004132	93,719	387	93,526	2,970,563	31.7
48–49	0.004522	93,332	422	93,121	2,877,037	30.8
49–50	0.004958	92,910	461	92,680	2,783,916	30.0
50–51	0.005431	92,449	502	92,198	2,691,236	29.1
51–52	0.005922	91,947	545	91,675	2,599,038	28.3
52–53	0.006423	91,403	587	91,109	2,507,362	27.4
53–54	0.006925	90,816	629	90,501	2,416,253	26.6
54–55	0.007436	90,187	671	89,852	2,325,752	25.8
55–56	0.007983	89,516	715	89,159	2,235,900	25.0
56–57	0.008581	88,802	762	88,421	2,146,741	24.2
57–58	0.009219	88,040	812	87,634	2,058,321	23.4
58–59	0.009899	87,228	863	86,796	1,970,687	22.6
59–60	0.010626	86,364	918	85,906	1,883,891	21.8
60–61	0.011414	85,447	975	84,959	1,797,985	21.0
61–62	0.012274	84,471	1,037	83,953	1,713,026	20.3
62–63	0.013209	83,435	1,102	82,884	1,629,073	19.5

See footnote at end of table.

Table 2. Life table for males: United States, 2008—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table02.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	0.014236	82,333	1,172	81,747	1,546,189	18.8
64–65	0.015382	81,160	1,248	80,536	1,464,443	18.0
65–66	0.016699	79,912	1,334	79,245	1,383,907	17.3
66–67	0.018184	78,578	1,429	77,863	1,304,662	16.6
67–68	0.019793	77,149	1,527	76,385	1,226,799	15.9
68–69	0.021473	75,622	1,624	74,810	1,150,414	15.2
69–70	0.023251	73,998	1,720	73,138	1,075,604	14.5
70–71	0.025139	72,277	1,817	71,369	1,002,466	13.9
71–72	0.027310	70,460	1,924	69,498	931,097	13.2
72–73	0.029927	68,536	2,051	67,511	861,599	12.6
73–74	0.032876	66,485	2,186	65,392	794,088	11.9
74–75	0.036072	64,299	2,319	63,140	728,696	11.3
75–76	0.039506	61,980	2,449	60,756	665,557	10.7
76–77	0.043153	59,531	2,569	58,247	604,801	10.2
77–78	0.047308	56,962	2,695	55,615	546,554	9.6
78–79	0.052154	54,268	2,830	52,852	490,940	9.0
70–80	0.057697	51,437	2,968	49,953	438,087	8.5
80–81	0.063533	48,469	3,079	46,930	388,134	8.0
81–82	0.069684	45,390	3,163	43,809	341,204	7.5
82–83	0.076575	42,227	3,234	40,610	297,395	7.0
83–84	0.084612	38,994	3,299	37,344	256,785	6.6
84–85	0.093410	35,694	3,334	34,027	219,441	6.1
85–86	0.103950	32,360	3,364	30,678	185,414	5.7
86–87	0.115393	28,996	3,346	27,323	154,736	5.3
87–88	0.127809	25,650	3,278	24,011	127,412	5.0
88–89	0.141219	22,372	3,159	20,792	103,401	4.6
89–90	0.155630	19,213	2,990	17,718	82,609	4.3
90–91	0.171033	16,223	2,775	14,835	64,891	4.0
91–92	0.187401	13,448	2,520	12,188	50,056	3.7
92–93	0.204688	10,928	2,237	9,809	37,868	3.5
93–94	0.222829	8,691	1,937	7,723	28,059	3.2
94–95	0.241737	6,754	1,633	5,938	20,336	3.0
95–96	0.261304	5,122	1,338	4,452	14,398	2.8
96–97	0.281406	3,783	1,065	3,251	9,946	2.6
97–98	0.301903	2,719	821	2,308	6,695	2.5
98–99	0.322643	1,898	612	1,592	4,387	2.3
99–100	0.343465	1,286	442	1,065	2,795	2.2
100 and over	1.000000	844	844	1,730	1,730	2.0

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 3. Life table for females: United States, 2008

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table03.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	0.005961	100,000	596	99,478	8,057,125	80.6
1–2	0.000416	99,404	41	99,383	7,957,647	80.1
2–3	0.000241	99,363	24	99,351	7,858,264	79.1
3–4	0.000188	99,339	19	99,329	7,758,913	78.1
4–5	0.000154	99,320	15	99,312	7,659,584	77.1
5–6	0.000137	99,305	14	99,298	7,560,271	76.1
6–7	0.000122	99,291	12	99,285	7,460,974	75.1
7–8	0.000111	99,279	11	99,274	7,361,688	74.2
8–9	0.000101	99,268	10	99,263	7,262,415	73.2
9–10	0.000093	99,258	9	99,253	7,163,152	72.2
10–11	0.000089	99,249	9	99,244	7,063,899	71.2
11–12	0.000094	99,240	9	99,235	6,964,654	70.2
12–13	0.000113	99,231	11	99,225	6,865,419	69.2
13–14	0.000150	99,219	15	99,212	6,766,194	68.2
14–15	0.000197	99,205	20	99,195	6,666,982	67.2
15–16	0.000249	99,185	25	99,173	6,567,787	66.2
16–17	0.000297	99,160	29	99,146	6,468,615	65.2
17–18	0.000337	99,131	33	99,114	6,369,469	64.3
18–19	0.000368	99,097	36	99,079	6,270,355	63.3
19–20	0.000392	99,061	39	99,042	6,171,276	62.3
20–21	0.000416	99,022	41	99,002	6,072,234	61.3
21–22	0.000442	98,981	44	98,959	5,973,233	60.3
22–23	0.000466	98,937	46	98,914	5,874,274	59.4
23–24	0.000485	98,891	48	98,867	5,775,359	58.4
24–25	0.000502	98,843	50	98,818	5,676,492	57.4
25–26	0.000519	98,794	51	98,768	5,577,674	56.5
26–27	0.000537	98,742	53	98,716	5,478,906	55.5
27–28	0.000556	98,689	55	98,662	5,380,190	54.5
28–29	0.000575	98,634	57	98,606	5,281,529	53.5
29–30	0.000597	98,578	59	98,548	5,182,923	52.6
30–31	0.000626	98,519	62	98,488	5,084,374	51.6
31–32	0.000662	98,457	65	98,424	4,985,887	50.6
32–33	0.000704	98,392	69	98,357	4,887,462	49.7
33–34	0.000754	98,323	74	98,286	4,789,105	48.7
34–35	0.000807	98,248	79	98,209	4,690,819	47.7
35–36	0.000865	98,169	85	98,127	4,592,611	46.8
36–37	0.000933	98,084	92	98,039	4,494,484	45.8
37–38	0.001013	97,993	99	97,943	4,396,445	44.9
38–39	0.001110	97,893	109	97,839	4,298,502	43.9
39–40	0.001225	97,785	120	97,725	4,200,663	43.0
40–41	0.001349	97,665	132	97,599	4,102,938	42.0
41–42	0.001485	97,533	145	97,461	4,005,339	41.1
42–43	0.001642	97,388	160	97,308	3,907,878	40.1
43–44	0.001818	97,229	177	97,140	3,810,570	39.2
44–45	0.002006	97,052	195	96,954	3,713,430	38.3
45–46	0.002196	96,857	213	96,751	3,616,475	37.3
46–47	0.002387	96,644	231	96,529	3,519,725	36.4
47–48	0.002584	96,414	249	96,289	3,423,196	35.5
48–49	0.002793	96,164	269	96,030	3,326,907	34.6
49–50	0.003018	95,896	289	95,751	3,230,877	33.7
50–51	0.003264	95,606	312	95,450	3,135,126	32.8
51–52	0.003524	95,294	336	95,126	3,039,675	31.9
52–53	0.003786	94,958	359	94,779	2,944,549	31.0
53–54	0.004044	94,599	383	94,408	2,849,770	30.1
54–55	0.004309	94,216	406	94,013	2,755,363	29.2
55–56	0.004589	93,810	431	93,595	2,661,349	28.4
56–57	0.004910	93,380	459	93,151	2,567,754	27.5
57–58	0.005295	92,921	492	92,675	2,474,603	26.6
58–59	0.005764	92,429	533	92,163	2,381,928	25.8
59–60	0.006312	91,897	580	91,607	2,289,765	24.9
60–61	0.006931	91,317	633	91,000	2,198,158	24.1
61–62	0.007600	90,684	689	90,339	2,107,158	23.2
62–63	0.008306	89,994	747	89,621	2,016,819	22.4

See footnote at end of table.

Table 3. Life table for females: United States, 2008—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table03.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	0.009039	89,247	807	88,844	1,927,198	21.6
64–65	0.009824	88,440	869	88,006	1,838,355	20.8
65–66	0.010728	87,571	940	87,102	1,750,349	20.0
66–67	0.011769	86,632	1,020	86,122	1,663,247	19.2
67–68	0.012896	85,612	1,104	85,060	1,577,125	18.4
68–69	0.014078	84,508	1,190	83,913	1,492,065	17.7
69–70	0.015354	83,319	1,279	82,679	1,408,151	16.9
70–71	0.016739	82,039	1,373	81,353	1,325,472	16.2
71–72	0.018376	80,666	1,482	79,925	1,244,120	15.4
72–73	0.020264	79,184	1,605	78,381	1,164,195	14.7
73–74	0.022376	77,579	1,736	76,711	1,085,814	14.0
74–75	0.024642	75,843	1,869	74,909	1,009,102	13.3
75–76	0.027052	73,974	2,001	72,974	934,194	12.6
76–77	0.029760	71,973	2,142	70,902	861,220	12.0
77–78	0.032820	69,831	2,292	68,685	790,318	11.3
78–79	0.036407	67,539	2,459	66,310	721,632	10.7
70–80	0.040456	65,080	2,633	63,764	655,323	10.1
80–81	0.044850	62,448	2,801	61,047	591,559	9.5
81–82	0.049610	59,647	2,959	58,167	530,511	8.9
82–83	0.055128	56,688	3,125	55,125	472,344	8.3
83–84	0.061786	53,563	3,309	51,908	417,219	7.8
84–85	0.069084	50,253	3,472	48,517	365,311	7.3
85–86	0.077278	46,782	3,615	44,974	316,793	6.8
86–87	0.086928	43,166	3,752	41,290	271,820	6.3
87–88	0.097615	39,414	3,847	37,490	230,529	5.8
88–89	0.109368	35,567	3,890	33,622	193,039	5.4
89–90	0.122232	31,677	3,872	29,741	159,418	5.0
90–91	0.136239	27,805	3,788	25,911	129,677	4.7
91–92	0.151405	24,017	3,636	22,199	103,766	4.3
92–93	0.167725	20,380	3,418	18,671	81,567	4.0
93–94	0.185173	16,962	3,141	15,392	62,896	3.7
94–95	0.203694	13,821	2,815	12,414	47,505	3.4
95–96	0.223209	11,006	2,457	9,778	35,091	3.2
96–97	0.243610	8,549	2,083	7,508	25,313	3.0
97–98	0.264762	6,467	1,712	5,611	17,805	2.8
98–99	0.286507	4,754	1,362	4,073	12,195	2.6
99–100	0.308667	3,392	1,047	2,869	8,122	2.4
100 and over	1.000000	2,345	2,345	5,253	5,253	2.2

SOURCE: CDC/NCHS, National Vital Statistics System.