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United States Life Tables, 2007

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Abstract

Objectives—This report presents complete period life tables by race, Hispanic origin, and sex for the United States based on age-specific death rates in 2007.

Methods—Data used to prepare the 2007 life tables are 2007 final mortality statistics, July 1, 2007, population estimates based on the 2000 decennial census, and 2007 Medicare data for ages 66–100. The methods used to estimate the life tables for the total, white, and black populations were first used in annual life tables in 2005 and have been in use since that time (1). The methods used to estimate the life tables for the Hispanic, non-Hispanic white, and non-Hispanic black populations were first used to estimate U.S. life tables by Hispanic origin for data year 2006 (2).

Results—In 2007, the overall expectation of life at birth was 77.9 years, representing an increase of 0.2 years from life expectancy in 2006. From 2006 to 2007, life expectancy at birth increased for all groups considered. It increased for males (from 75.1 to 75.4) and females (from 80.2 to 80.4), the white (from 78.2 to 78.4) and black (from 73.2 to 73.6) populations, the Hispanic population (from 80.6 to 80.9), the non-Hispanic white population (from 78.1 to 78.2), and the non-Hispanic black population (from 72.9 to 73.2).

Keywords: life expectancy • survival • death rates • race

Introduction

There are two types of life tables—the cohort (or generation) and the period (or current). 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 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 (3). 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 (4,5).

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 time period. Thus, for example, a period life table for 2007 assumes a hypothetical cohort subject throughout its lifetime to the age-specific death rates prevailing for the actual population in 2007. 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.

This report presents period life tables by race, Hispanic origin, race for the non-Hispanic population, and sex. Historically, the U.S. life table program had been limited to the inclusion of life tables for the white and black populations. As a result of data limitations, life tables for other racial and ethnic populations had not been produced. Recent research into these data limitations identified and quantified them and led to the development of methodological strategies to overcome their effect and allow for the production of life tables for the Hispanic population (2,6,7). The first U.S. life tables by Hispanic origin were published in "United States Life Tables by Hispanic Origin" for data year 2006 (2). The methodology developed and described in that report is used in this report to produce U.S. life tables for the Hispanic, non-Hispanic white, and non-Hispanic black populations (see "Technical Notes" for detailed discussion of the methodology).

Data and Methods

The data used to prepare the U.S. life tables for 2007 are final numbers of deaths for the year 2007, postcensal population estimates for the year 2007, and age-specific death and population counts for Medicare beneficiaries aged 66–100 for the year 2007 from the Centers for Medicare & Medicaid Services. Data from the

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

Table 4. Life table for the white population: United States, 2007

Spreadsheet version available from:ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table04.xls.

Age	Probability of dying between ages x to $x+1$	Number surviving to age x	Number dying between ages x to $x+1$	Person-years lived between ages x to $x+1$	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	0.005642	100,000	564	99,505	7,835,766	78.4
1–2	0.000421	99,436	42	99,415	7,736,261	77.8
2–3	0.000256	99,394	25	99,381	7,636,846	76.8
3–4	0.000199	99,368	20	99,359	7,537,465	75.9
4–5	0.000154	99,349	15	99,341	7,438,106	74.9
5–6	0.000152	99,333	15	99,326	7,338,765	73.9
6–7	0.000143	99,318	14	99,311	7,239,439	72.9
7–8	0.000134	99,304	13	99,297	7,140,128	71.9
8–9	0.000119	99,291	12	99,285	7,040,830	70.9
9–10	0.000100	99,279	10	99,274	6,941,545	69.9
10–11	0.000085	99,269	8	99,265	6,842,271	68.9
11–12	0.000087	99,261	9	99,256	6,743,006	67.9
12–13	0.000121	99,252	12	99,246	6,643,750	66.9
13–14	0.000194	99,240	19	99,231	6,544,504	65.9
14–15	0.000294	99,221	29	99,206	6,445,273	65.0
15–16	0.000401	99,192	40	99,172	6,346,067	64.0
16–17	0.000500	99,152	50	99,127	6,246,895	63.0
17–18	0.000593	99,102	59	99,073	6,147,768	62.0
18–19	0.000677	99,044	67	99,010	6,048,695	61.1
19–20	0.000754	98,977	75	98,939	5,949,685	60.1
20–21	0.000835	98,902	83	98,861	5,850,746	59.2
21–22	0.000912	98,819	90	98,774	5,751,885	58.2
22–23	0.000962	98,729	95	98,682	5,653,111	57.3
23–24	0.000976	98,634	96	98,586	5,554,429	56.3
24–25	0.000963	98,538	95	98,491	5,455,843	55.4
25–26	0.000942	98,443	93	98,397	5,357,352	54.4
26–27	0.000927	98,350	91	98,305	5,258,955	53.5
27–28	0.000919	98,259	90	98,214	5,160,651	52.5
28–29	0.000923	98,169	91	98,124	5,062,437	51.6
29–30	0.000939	98,078	92	98,032	4,964,313	50.6
30–31	0.000962	97,986	94	97,939	4,866,281	49.7
31–32	0.000991	97,892	97	97,844	4,768,341	48.7
32–33	0.001027	97,795	100	97,745	4,670,498	47.8
33–34	0.001070	97,695	105	97,642	4,572,753	46.8
34–35	0.001119	97,590	109	97,535	4,475,111	45.9
35–36	0.001176	97,481	115	97,424	4,377,575	44.9
36–37	0.001246	97,366	121	97,306	4,280,152	44.0
37–38	0.001334	97,245	130	97,180	4,182,846	43.0
38–39	0.001443	97,115	140	97,045	4,085,666	42.1
39–40	0.001574	96,975	153	96,899	3,988,621	41.1
40–41	0.001717	96,822	166	96,739	3,891,722	40.2
41–42	0.001873	96,656	181	96,566	3,794,983	39.3
42–43	0.002051	96,475	198	96,376	3,698,417	38.3
43–44	0.002252	96,277	217	96,169	3,602,041	37.4
44–45	0.002467	96,060	237	95,942	3,505,872	36.5
45–46	0.002689	95,823	258	95,695	3,409,930	35.6
46–47	0.002916	95,566	279	95,427	3,314,236	34.7
47–48	0.003160	95,287	301	95,137	3,218,809	33.8
48–49	0.003428	94,986	326	94,823	3,123,672	32.9
49–50	0.003723	94,661	352	94,484	3,028,849	32.0
50–51	0.004048	94,308	382	94,117	2,934,365	31.1
51–52	0.004393	93,926	413	93,720	2,840,248	30.2
52–53	0.004748	93,514	444	93,292	2,746,528	29.4
53–54	0.005106	93,070	475	92,832	2,653,236	28.5
54–55	0.005472	92,594	507	92,341	2,560,404	27.7
55–56	0.005860	92,088	540	91,818	2,468,063	26.8
56–57	0.006288	91,548	576	91,260	2,376,245	26.0
57–58	0.006770	90,972	616	90,665	2,284,985	25.1
58–59	0.007322	90,357	662	90,026	2,194,320	24.3
59–60	0.007945	89,695	713	89,339	2,104,295	23.5
60–61	0.008644	88,982	769	88,598	2,014,956	22.6
61–62	0.009403	88,213	830	87,798	1,926,358	21.8
62–63	0.010213	87,384	892	86,937	1,838,560	21.0
63–64	0.011075	86,491	958	86,012	1,751,622	20.3
64–65	0.012020	85,533	1,028	85,019	1,665,610	19.5

Table 4. Life table for the white population: United States, 2007—Con.

Spreadsheet version available from:ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table04.xls.

Age	Probability of dying between ages x to $x + 1$	Number surviving to age x	Number dying between ages x to $x + 1$	Person-years lived between ages x to $x + 1$	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
65–66	0.013127	84,505	1,109	83,951	1,580,591	18.7
66–67	0.014266	83,396	1,190	82,801	1,496,640	17.9
67–68	0.015515	82,206	1,275	81,568	1,413,839	17.2
68–69	0.016846	80,931	1,363	80,249	1,332,271	16.5
69–70	0.018308	79,567	1,457	78,839	1,252,022	15.7
70–71	0.019972	78,111	1,560	77,331	1,173,183	15.0
71–72	0.021935	76,551	1,679	75,711	1,095,852	14.3
72–73	0.024232	74,872	1,814	73,964	1,020,141	13.6
73–74	0.026874	73,057	1,963	72,076	946,177	13.0
74–75	0.029848	71,094	2,122	70,033	874,101	12.3
75–76	0.033177	68,972	2,288	67,828	804,068	11.7
76–77	0.036777	66,684	2,452	65,457	736,240	11.0
77–78	0.040751	64,231	2,617	62,922	670,783	10.4
78–79	0.045134	61,614	2,781	60,223	607,861	9.9
79–80	0.049965	58,833	2,940	57,363	547,637	9.3
80–81	0.055282	55,893	3,090	54,348	490,274	8.8
81–82	0.061129	52,803	3,228	51,190	435,926	8.3
82–83	0.067550	49,576	3,349	47,901	384,736	7.8
83–84	0.074592	46,227	3,448	44,503	336,835	7.3
84–85	0.082303	42,779	3,521	41,018	292,332	6.8
85–86	0.090733	39,258	3,562	37,477	251,314	6.4
86–87	0.099933	35,696	3,567	33,912	213,837	6.0
87–88	0.109953	32,129	3,533	30,362	179,925	5.6
88–89	0.120842	28,596	3,456	26,868	149,563	5.2
89–90	0.132649	25,140	3,335	23,473	122,694	4.9
90–91	0.145419	21,806	3,171	20,220	99,221	4.6
91–92	0.159193	18,635	2,967	17,151	79,001	4.2
92–93	0.174006	15,668	2,726	14,305	61,850	3.9
93–94	0.189885	12,942	2,457	11,713	47,545	3.7
94–95	0.206851	10,484	2,169	9,400	35,832	3.4
95–96	0.224912	8,316	1,870	7,380	26,432	3.2
96–97	0.244065	6,445	1,573	5,659	19,051	3.0
97–98	0.264293	4,872	1,288	4,228	13,393	2.7
98–99	0.285564	3,585	1,024	3,073	9,164	2.6
99–100	0.307830	2,561	788	2,167	6,092	2.4
100 and over	1.000000	1,773	1,773	3,925	3,925	2.2

Table 5. Life table for white males: United States, 2007

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Age	Probability of dying between ages x to $x+1$	Number surviving to age x	Number dying between ages x to $x+1$	Person-years lived between ages x to $x+1$	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	0.006176	100,000	618	99,458	7,589,184	75.9
1–2	0.000442	99,382	44	99,360	7,489,726	75.4
2–3	0.000286	99,338	28	99,324	7,390,366	74.4
3–4	0.000222	99,310	22	99,299	7,291,041	73.4
4–5	0.000181	99,288	18	99,279	7,191,742	72.4
5–6	0.000169	99,270	17	99,262	7,092,463	71.4
6–7	0.000159	99,253	16	99,245	6,993,201	70.5
7–8	0.000147	99,238	15	99,230	6,893,956	69.5
8–9	0.000127	99,223	13	99,217	6,794,725	68.5
9–10	0.000101	99,210	10	99,205	6,695,509	67.5
10–11	0.000080	99,200	8	99,196	6,596,303	66.5
11–12	0.000084	99,192	8	99,188	6,497,107	65.5
12–13	0.000132	99,184	13	99,178	6,397,918	64.5
13–14	0.000235	99,171	23	99,160	6,298,741	63.5
14–15	0.000376	99,148	37	99,129	6,199,581	62.5
15–16	0.000524	99,111	52	99,085	6,100,452	61.6
16–17	0.000662	99,059	66	99,026	6,001,367	60.6
17–18	0.000800	98,993	79	98,954	5,902,341	59.6
18–19	0.000937	98,914	93	98,868	5,803,388	58.7
19–20	0.001068	98,821	106	98,769	5,704,520	57.7
20–21	0.001209	98,716	119	98,656	5,605,752	56.8
21–22	0.001338	98,596	132	98,530	5,507,096	55.9
22–23	0.001419	98,464	140	98,395	5,408,565	54.9
23–24	0.001435	98,325	141	98,254	5,310,171	54.0
24–25	0.001402	98,184	138	98,115	5,211,916	53.1
25–26	0.001353	98,046	133	97,980	5,113,802	52.2
26–27	0.001314	97,913	129	97,849	5,015,822	51.2
27–28	0.001286	97,785	126	97,722	4,917,973	50.3
28–29	0.001280	97,659	125	97,597	4,820,251	49.4
29–30	0.001293	97,534	126	97,471	4,722,654	48.4
30–31	0.001314	97,408	128	97,344	4,625,183	47.5
31–32	0.001338	97,280	130	97,215	4,527,839	46.5
32–33	0.001372	97,150	133	97,083	4,430,625	45.6
33–34	0.001412	97,016	137	96,948	4,333,541	44.7
34–35	0.001462	96,879	142	96,809	4,236,594	43.7
35–36	0.001522	96,738	147	96,664	4,139,785	42.8
36–37	0.001600	96,590	155	96,513	4,043,121	41.9
37–38	0.001701	96,436	164	96,354	3,946,608	40.9
38–39	0.001830	96,272	176	96,184	3,850,254	40.0
39–40	0.001989	96,096	191	96,000	3,754,070	39.1
40–41	0.002165	95,905	208	95,801	3,658,070	38.1
41–42	0.002357	95,697	226	95,584	3,562,269	37.2
42–43	0.002578	95,471	246	95,348	3,466,684	36.3
43–44	0.002826	95,225	269	95,091	3,371,336	35.4
44–45	0.003092	94,956	294	94,809	3,276,245	34.5
45–46	0.003366	94,663	319	94,503	3,181,436	33.6
46–47	0.003649	94,344	344	94,172	3,086,933	32.7
47–48	0.003960	94,000	372	93,814	2,992,761	31.8
48–49	0.004311	93,627	404	93,426	2,898,947	31.0
49–50	0.004704	93,224	439	93,005	2,805,522	30.1
50–51	0.005136	92,785	476	92,547	2,712,517	29.2
51–52	0.005589	92,309	516	92,051	2,619,970	28.4
52–53	0.006051	91,793	555	91,515	2,527,919	27.5
53–54	0.006509	91,237	594	90,941	2,436,404	26.7
54–55	0.006970	90,644	632	90,328	2,345,463	25.9
55–56	0.007456	90,012	671	89,676	2,255,136	25.1
56–57	0.007989	89,341	714	88,984	2,165,460	24.2
57–58	0.008575	88,627	760	88,247	2,076,476	23.4
58–59	0.009233	87,867	811	87,461	1,988,229	22.6
59–60	0.009965	87,056	867	86,622	1,900,767	21.8
60–61	0.010779	86,188	929	85,724	1,814,146	21.0
61–62	0.011664	85,259	994	84,762	1,728,422	20.3
62–63	0.012617	84,265	1,063	83,733	1,643,660	19.5
63–64	0.013648	83,202	1,136	82,634	1,559,927	18.7
64–65	0.014789	82,066	1,214	81,459	1,477,293	18.0

Table 5. Life table for white males: United States, 2007—Con.

Spreadsheet version available from:ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table05.xls.

Age	Probability of dying between ages x to $x + 1$	Number surviving to age x	Number dying between ages x to $x + 1$	Person-years lived between ages x to $x + 1$	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
65–66	0.016124	80,852	1,304	80,201	1,395,833	17.3
66–67	0.017519	79,549	1,394	78,852	1,315,633	16.5
67–68	0.019057	78,155	1,489	77,410	1,236,781	15.8
68–69	0.020699	76,666	1,587	75,872	1,159,370	15.1
69–70	0.022496	75,079	1,689	74,234	1,083,498	14.4
70–71	0.024522	73,390	1,800	72,490	1,009,264	13.8
71–72	0.026901	71,590	1,926	70,627	936,774	13.1
72–73	0.029683	69,664	2,068	68,630	866,147	12.4
73–74	0.032880	67,596	2,223	66,485	797,516	11.8
74–75	0.036455	65,374	2,383	64,182	731,031	11.2
75–76	0.040419	62,991	2,546	61,718	666,849	10.6
76–77	0.044669	60,445	2,700	59,095	605,131	10.0
77–78	0.049343	57,745	2,849	56,320	546,036	9.5
78–79	0.054479	54,895	2,991	53,400	489,716	8.9
79–80	0.060115	51,905	3,120	50,345	436,316	8.4
80–81	0.066293	48,785	3,234	47,168	385,971	7.9
81–82	0.073057	45,550	3,328	43,887	338,804	7.4
82–83	0.080451	42,223	3,397	40,524	294,917	7.0
83–84	0.088523	38,826	3,437	37,107	254,393	6.6
84–85	0.097319	35,389	3,444	33,667	217,286	6.1
85–86	0.106886	31,945	3,414	30,238	183,619	5.7
86–87	0.117271	28,530	3,346	26,858	153,381	5.4
87–88	0.128520	25,185	3,237	23,566	126,524	5.0
88–89	0.140677	21,948	3,088	20,404	102,958	4.7
89–90	0.153780	18,860	2,900	17,410	82,553	4.4
90–91	0.167866	15,960	2,679	14,620	65,143	4.1
91–92	0.182962	13,281	2,430	12,066	50,523	3.8
92–93	0.199092	10,851	2,160	9,771	38,457	3.5
93–94	0.216267	8,691	1,879	7,751	28,686	3.3
94–95	0.234490	6,811	1,597	6,013	20,935	3.1
95–96	0.253751	5,214	1,323	4,552	14,923	2.9
96–97	0.274028	3,891	1,066	3,358	10,370	2.7
97–98	0.295285	2,825	834	2,408	7,013	2.5
98–99	0.317469	1,991	632	1,675	4,605	2.3
99–100	0.340514	1,359	463	1,127	2,930	2.2
100 and over	1.000000	896	896	1,803	1,803	2.0

Table 6. Life table for white females: United States, 2007

Spreadsheet version available from:ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table06.xls.

Age	Probability of dying between ages x to $x+1$	Number surviving to age x	Number dying between ages x to $x+1$	Person-years lived between ages x to $x+1$	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	0.005083	100,000	508	99,554	8,076,609	80.8
1–2	0.000399	99,492	40	99,472	7,977,055	80.2
2–3	0.000225	99,452	22	99,441	7,877,583	79.2
3–4	0.000175	99,430	17	99,421	7,778,142	78.2
4–5	0.000125	99,412	12	99,406	7,678,721	77.2
5–6	0.000135	99,400	13	99,393	7,579,315	76.3
6–7	0.000127	99,387	13	99,380	7,479,922	75.3
7–8	0.000120	99,374	12	99,368	7,380,542	74.3
8–9	0.000110	99,362	11	99,357	7,281,174	73.3
9–10	0.000099	99,351	10	99,346	7,181,817	72.3
10–11	0.000090	99,341	9	99,337	7,082,471	71.3
11–12	0.000090	99,332	9	99,328	6,983,134	70.3
12–13	0.000109	99,323	11	99,318	6,883,806	69.3
13–14	0.000152	99,313	15	99,305	6,784,488	68.3
14–15	0.000209	99,298	21	99,287	6,685,183	67.3
15–16	0.000272	99,277	27	99,263	6,585,896	66.3
16–17	0.000329	99,250	33	99,234	6,486,633	65.4
17–18	0.000374	99,217	37	99,199	6,387,399	64.4
18–19	0.000403	99,180	40	99,160	6,288,200	63.4
19–20	0.000420	99,140	42	99,119	6,189,040	62.4
20–21	0.000435	99,099	43	99,077	6,089,921	61.5
21–22	0.000453	99,056	45	99,033	5,990,844	60.5
22–23	0.000469	99,011	46	98,987	5,891,811	59.5
23–24	0.000481	98,964	48	98,940	5,792,823	58.5
24–25	0.000491	98,917	49	98,892	5,693,883	57.6
25–26	0.000501	98,868	50	98,843	5,594,990	56.6
26–27	0.000513	98,819	51	98,793	5,496,147	55.6
27–28	0.000526	98,768	52	98,742	5,397,354	54.6
28–29	0.000542	98,716	53	98,689	5,298,612	53.7
29–30	0.000561	98,662	55	98,635	5,199,923	52.7
30–31	0.000588	98,607	58	98,578	5,101,288	51.7
31–32	0.000622	98,549	61	98,519	5,002,710	50.8
32–33	0.000662	98,488	65	98,455	4,904,191	49.8
33–34	0.000708	98,423	70	98,388	4,805,736	48.8
34–35	0.000759	98,353	75	98,316	4,707,348	47.9
35–36	0.000814	98,278	80	98,238	4,609,032	46.9
36–37	0.000878	98,198	86	98,155	4,510,794	45.9
37–38	0.000952	98,112	93	98,065	4,412,639	45.0
38–39	0.001042	98,019	102	97,968	4,314,573	44.0
39–40	0.001146	97,917	112	97,861	4,216,606	43.1
40–41	0.001257	97,804	123	97,743	4,118,745	42.1
41–42	0.001378	97,681	135	97,614	4,021,002	41.2
42–43	0.001515	97,547	148	97,473	3,923,388	40.2
43–44	0.001670	97,399	163	97,318	3,825,915	39.3
44–45	0.001835	97,236	178	97,147	3,728,597	38.3
45–46	0.002006	97,058	195	96,961	3,631,450	37.4
46–47	0.002180	96,863	211	96,758	3,534,489	36.5
47–48	0.002359	96,652	228	96,538	3,437,731	35.6
48–49	0.002547	96,424	246	96,301	3,341,193	34.7
49–50	0.002749	96,179	264	96,046	3,244,892	33.7
50–51	0.002972	95,914	285	95,772	3,148,846	32.8
51–52	0.003214	95,629	307	95,475	3,053,074	31.9
52–53	0.003468	95,322	331	95,157	2,957,598	31.0
53–54	0.003731	94,991	354	94,814	2,862,442	30.1
54–55	0.004010	94,637	379	94,447	2,767,628	29.2
55–56	0.004306	94,257	406	94,054	2,673,181	28.4
56–57	0.004638	93,851	435	93,634	2,579,127	27.5
57–58	0.005026	93,416	469	93,181	2,485,493	26.6
58–59	0.005484	92,947	510	92,692	2,392,311	25.7
59–60	0.006013	92,437	556	92,159	2,299,619	24.9
60–61	0.006614	91,881	608	91,577	2,207,460	24.0
61–62	0.007267	91,273	663	90,942	2,115,883	23.2
62–63	0.007957	90,610	721	90,250	2,024,941	22.3
63–64	0.008679	89,889	780	89,499	1,934,692	21.5
64–65	0.009461	89,109	843	88,687	1,845,193	20.7

Table 6. Life table for white females: United States, 2007—Con.

Spreadsheet version available from:ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table06.xls.

Age	Probability of dying between ages x to $x + 1$	Number surviving to age x	Number dying between ages x to $x + 1$	Person-years lived between ages x to $x + 1$	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
65–66	0.010385	88,266	917	87,808	1,756,505	19.9
66–67	0.011333	87,349	990	86,854	1,668,698	19.1
67–68	0.012371	86,359	1,068	85,825	1,581,843	18.3
68–69	0.013479	85,291	1,150	84,716	1,496,018	17.5
69–70	0.014707	84,141	1,237	83,523	1,411,302	16.8
70–71	0.016126	82,904	1,337	82,236	1,327,779	16.0
71–72	0.017814	81,567	1,453	80,841	1,245,544	15.3
72–73	0.019795	80,114	1,586	79,321	1,164,703	14.5
73–74	0.022083	78,528	1,734	77,661	1,085,382	13.8
74–75	0.024685	76,794	1,896	75,846	1,007,721	13.1
75–76	0.027635	74,898	2,070	73,863	931,875	12.4
76–77	0.030846	72,829	2,246	71,705	858,011	11.8
77–78	0.034418	70,582	2,429	69,367	786,306	11.1
78–79	0.038388	68,153	2,616	66,845	716,938	10.5
79–80	0.042794	65,537	2,805	64,134	650,094	9.9
80–81	0.047681	62,732	2,991	61,236	585,959	9.3
81–82	0.053096	59,741	3,172	58,155	524,723	8.8
82–83	0.059087	56,569	3,342	54,898	466,568	8.2
83–84	0.065708	53,226	3,497	51,478	411,671	7.7
84–85	0.073012	49,729	3,631	47,914	360,193	7.2
85–86	0.081059	46,098	3,737	44,230	312,279	6.8
86–87	0.089906	42,361	3,809	40,457	268,050	6.3
87–88	0.099613	38,553	3,840	36,633	227,592	5.9
88–89	0.110243	34,713	3,827	32,799	190,960	5.5
89–90	0.121852	30,886	3,764	29,004	158,161	5.1
90–91	0.134500	27,122	3,648	25,298	129,157	4.8
91–92	0.148239	23,474	3,480	21,734	103,858	4.4
92–93	0.163117	19,995	3,261	18,364	82,124	4.1
93–94	0.179173	16,733	2,998	15,234	63,760	3.8
94–95	0.196440	13,735	2,698	12,386	48,526	3.5
95–96	0.214934	11,037	2,372	9,851	36,140	3.3
96–97	0.234662	8,665	2,033	7,648	26,289	3.0
97–98	0.255610	6,631	1,695	5,784	18,641	2.8
98–99	0.277750	4,936	1,371	4,251	12,857	2.6
99–100	0.301032	3,565	1,073	3,029	8,607	2.4
100 and over	1.000000	2,492	2,492	5,578	5,578	2.2