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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 16. Life table for the non-Hispanic black population: United States, 2007

Spreadsheet version available from:ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table16.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	0.013341	100,000	1,334	98,826	7,322,637	73.2
1–2	0.000711	98,666	70	98,631	7,223,811	73.2
2–3	0.000461	98,596	45	98,573	7,125,180	72.3
3–4	0.000340	98,550	34	98,534	7,026,607	71.3
4–5	0.000269	98,517	26	98,504	6,928,073	70.3
5–6	0.000237	98,490	23	98,479	6,829,570	69.3
6–7	0.000210	98,467	21	98,457	6,731,091	68.4
7–8	0.000189	98,446	19	98,437	6,632,634	67.4
8–9	0.000167	98,428	16	98,420	6,534,197	66.4
9–10	0.000145	98,411	14	98,404	6,435,778	65.4
10–11	0.000133	98,397	13	98,391	6,337,374	64.4
11–12	0.000145	98,384	14	98,377	6,238,983	63.4
12–13	0.000202	98,370	20	98,360	6,140,606	62.4
13–14	0.000310	98,350	30	98,335	6,042,246	61.4
14–15	0.000450	98,319	44	98,297	5,943,912	60.5
15–16	0.000599	98,275	59	98,246	5,845,615	59.5
16–17	0.000737	98,216	72	98,180	5,747,369	58.5
17–18	0.000866	98,144	85	98,101	5,649,189	57.6
18–19	0.000986	98,059	97	98,011	5,551,087	56.6
19–20	0.001101	97,962	108	97,908	5,453,077	55.7
20–21	0.001228	97,854	120	97,794	5,355,168	54.7
21–22	0.001358	97,734	133	97,668	5,257,374	53.8
22–23	0.001462	97,602	143	97,530	5,159,706	52.9
23–24	0.001523	97,459	148	97,385	5,062,176	51.9
24–25	0.001549	97,311	151	97,235	4,964,791	51.0
25–26	0.001566	97,160	152	97,084	4,867,556	50.1
26–27	0.001589	97,008	154	96,931	4,770,472	49.2
27–28	0.001616	96,854	157	96,775	4,673,541	48.3
28–29	0.001654	96,697	160	96,617	4,576,766	47.3
29–30	0.001705	96,537	165	96,455	4,480,149	46.4
30–31	0.001766	96,372	170	96,287	4,383,695	45.5
31–32	0.001836	96,202	177	96,114	4,287,407	44.6
32–33	0.001940	96,026	186	95,932	4,191,293	43.6
33–34	0.002019	95,839	194	95,743	4,095,361	42.7
34–35	0.002127	95,646	203	95,544	3,999,618	41.8
35–36	0.002245	95,442	214	95,335	3,904,074	40.9
36–37	0.002378	95,228	226	95,115	3,808,739	40.0
37–38	0.002528	95,002	240	94,882	3,713,624	39.1
38–39	0.002700	94,761	256	94,633	3,618,743	38.2
39–40	0.002897	94,506	274	94,369	3,524,109	37.3
40–41	0.003110	94,232	293	94,085	3,429,740	36.4
41–42	0.003346	93,939	314	93,781	3,335,655	35.5
42–43	0.003627	93,624	340	93,454	3,241,874	34.6
43–44	0.003959	93,285	369	93,100	3,148,419	33.8
44–45	0.004333	92,915	403	92,714	3,055,319	32.9
45–46	0.004719	92,513	437	92,295	2,962,605	32.0
46–47	0.005122	92,076	472	91,840	2,870,311	31.2
47–48	0.005584	91,605	512	91,349	2,778,470	30.3
48–49	0.006129	91,093	558	90,814	2,687,121	29.5
49–50	0.006752	90,535	611	90,229	2,596,307	28.7
50–51	0.007438	89,923	669	89,589	2,506,078	27.9
51–52	0.008154	89,255	728	88,891	2,416,489	27.1
52–53	0.008881	88,527	786	88,134	2,327,599	26.3
53–54	0.009588	87,741	841	87,320	2,239,465	25.5
54–55	0.010279	86,899	893	86,453	2,152,145	24.8
55–56	0.011009	86,006	947	85,533	2,065,692	24.0
56–57	0.011792	85,059	1,003	84,558	1,980,159	23.3
57–58	0.012587	84,056	1,058	83,527	1,895,602	22.6
58–59	0.013405	82,998	1,113	82,442	1,812,074	21.8
59–60	0.014283	81,886	1,170	81,301	1,729,632	21.1
60–61	0.015278	80,716	1,233	80,100	1,648,331	20.4
61–62	0.016408	79,483	1,304	78,831	1,568,232	19.7
62–63	0.017623	78,179	1,378	77,490	1,489,401	19.1
63–64	0.018851	76,801	1,448	76,077	1,411,911	18.4
64–65	0.020066	75,353	1,512	74,597	1,335,834	17.7

Table 16. Life table for the non-Hispanic black population: United States, 2007—Con.

Spreadsheet version available from:ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table16.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	0.021318	73,841	1,574	73,054	1,261,237	17.1
66–67	0.022528	72,267	1,628	71,453	1,188,183	16.4
67–68	0.023902	70,639	1,688	69,795	1,116,730	15.8
68–69	0.025475	68,951	1,757	68,072	1,046,935	15.2
69–70	0.027254	67,194	1,831	66,279	978,862	14.6
70–71	0.029206	65,363	1,909	64,408	912,584	14.0
71–72	0.031392	63,454	1,992	62,458	848,175	13.4
72–73	0.033912	61,462	2,084	60,420	785,718	12.8
73–74	0.036789	59,378	2,184	58,285	725,298	12.2
74–75	0.039988	57,193	2,287	56,050	667,012	11.7
75–76	0.043473	54,906	2,387	53,713	610,963	11.1
76–77	0.047053	52,519	2,471	51,284	557,250	10.6
77–78	0.050912	50,048	2,548	48,774	505,966	10.1
78–79	0.055069	47,500	2,616	46,192	457,192	9.6
79–80	0.059545	44,884	2,673	43,548	411,000	9.2
80–81	0.064359	42,212	2,717	40,853	367,452	8.7
81–82	0.069534	39,495	2,746	38,122	326,599	8.3
82–83	0.075091	36,749	2,760	35,369	288,477	7.9
83–84	0.081055	33,989	2,755	32,612	253,109	7.4
84–85	0.087446	31,234	2,731	29,869	220,497	7.1
85–86	0.094290	28,503	2,688	27,159	190,628	6.7
86–87	0.101611	25,815	2,623	24,504	163,469	6.3
87–88	0.109430	23,192	2,538	21,923	138,966	6.0
88–89	0.117773	20,654	2,433	19,438	117,042	5.7
89–90	0.126661	18,222	2,308	17,068	97,604	5.4
90–91	0.136117	15,914	2,166	14,831	80,536	5.1
91–92	0.146160	13,748	2,009	12,743	65,706	4.8
92–93	0.156810	11,738	1,841	10,818	52,963	4.5
93–94	0.168083	9,898	1,664	9,066	42,145	4.3
94–95	0.179994	8,234	1,482	7,493	33,079	4.0
95–96	0.192553	6,752	1,300	6,102	25,586	3.8
96–97	0.205768	5,452	1,122	4,891	19,484	3.6
97–98	0.219644	4,330	951	3,854	14,593	3.4
98–99	0.234180	3,379	791	2,983	10,739	3.2
99–100	0.249370	2,588	645	2,265	7,756	3.0
100 and over	1.00000	1,942	1,942	5,491	5,491	2.8

Table 17. Life table for non-Hispanic black males: United States, 2007

Spreadsheet version available from:ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table17.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	0.014504	100,000	1,450	98,727	6,963,840	69.6
1–2	0.000744	98,550	73	98,513	6,865,113	69.7
2–3	0.000488	98,476	48	98,452	6,766,600	68.7
3–4	0.000371	98,428	37	98,410	6,668,148	67.7
4–5	0.000295	98,392	29	98,377	6,569,738	66.8
5–6	0.000260	98,363	26	98,350	6,471,361	65.8
6–7	0.000240	98,337	24	98,325	6,373,011	64.8
7–8	0.000221	98,313	22	98,303	6,274,686	63.8
8–9	0.000189	98,292	19	98,283	6,176,383	62.8
9–10	0.000147	98,273	14	98,266	6,078,100	61.8
10–11	0.000114	98,259	11	98,253	5,979,834	60.9
11–12	0.000123	98,248	12	98,242	5,881,581	59.9
12–13	0.000210	98,235	21	98,225	5,783,340	58.9
13–14	0.000391	98,215	38	98,196	5,685,115	57.9
14–15	0.000632	98,177	62	98,146	5,586,919	56.9
15–16	0.000886	98,114	87	98,071	5,488,773	55.9
16–17	0.001117	98,028	109	97,973	5,390,702	55.0
17–18	0.001332	97,918	130	97,853	5,292,729	54.1
18–19	0.001526	97,788	149	97,713	5,194,877	53.1
19–20	0.001709	97,638	167	97,555	5,097,163	52.2
20–21	0.001909	97,472	186	97,379	4,999,608	51.3
21–22	0.002110	97,286	205	97,183	4,902,230	50.4
22–23	0.002262	97,080	220	96,970	4,805,047	49.5
23–24	0.002337	96,861	226	96,748	4,708,076	48.6
24–25	0.002351	96,634	227	96,521	4,611,329	47.7
25–26	0.002342	96,407	226	96,294	4,514,808	46.8
26–27	0.002342	96,181	225	96,069	4,418,514	45.9
27–28	0.002352	95,956	226	95,843	4,322,445	45.0
28–29	0.002386	95,731	228	95,616	4,226,602	44.2
29–30	0.002444	95,502	233	95,385	4,130,985	43.3
30–31	0.002514	95,269	239	95,149	4,035,600	42.4
31–32	0.002589	95,029	246	94,906	3,940,451	41.5
32–33	0.002717	94,783	257	94,654	3,845,545	40.6
33–34	0.002762	94,526	261	94,395	3,750,890	39.7
34–35	0.002855	94,265	269	94,130	3,656,495	38.8
35–36	0.002962	93,996	278	93,856	3,562,365	37.9
36–37	0.003091	93,717	290	93,572	3,468,508	37.0
37–38	0.003248	93,427	303	93,276	3,374,936	36.1
38–39	0.003441	93,124	320	92,964	3,281,660	35.2
39–40	0.003672	92,804	341	92,633	3,188,697	34.4
40–41	0.003931	92,463	363	92,281	3,096,064	33.5
41–42	0.004219	92,099	389	91,905	3,003,783	32.6
42–43	0.004557	91,711	418	91,502	2,911,877	31.8
43–44	0.004950	91,293	452	91,067	2,820,376	30.9
44–45	0.005393	90,841	490	90,596	2,729,309	30.0
45–46	0.005847	90,351	528	90,087	2,638,713	29.2
46–47	0.006335	89,823	569	89,538	2,548,626	28.4
47–48	0.006928	89,254	618	88,945	2,459,088	27.6
48–49	0.007670	88,635	680	88,296	2,370,143	26.7
49–50	0.008548	87,956	752	87,580	2,281,848	25.9
50–51	0.009526	87,204	831	86,788	2,194,268	25.2
51–52	0.010544	86,373	911	85,918	2,107,480	24.4
52–53	0.011578	85,462	989	84,968	2,021,562	23.7
53–54	0.012579	84,473	1,063	83,942	1,936,594	22.9
54–55	0.013551	83,410	1,130	82,845	1,852,653	22.2
55–56	0.014579	82,280	1,200	81,680	1,769,808	21.5
56–57	0.015680	81,081	1,271	80,445	1,688,127	20.8
57–58	0.016782	79,809	1,339	79,139	1,607,682	20.1
58–59	0.017892	78,470	1,404	77,768	1,528,543	19.5
59–60	0.019055	77,066	1,469	76,332	1,450,775	18.8
60–61	0.020364	75,597	1,539	74,828	1,374,444	18.2
61–62	0.021840	74,058	1,617	73,249	1,299,616	17.5
62–63	0.023398	72,440	1,695	71,593	1,226,367	16.9
63–64	0.024930	70,745	1,764	69,864	1,154,774	16.3
64–65	0.026403	68,982	1,821	68,071	1,084,910	15.7

Table 17. Life table for non-Hispanic black males: United States, 2007—Con.

Spreadsheet version available from:ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table17.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	0.027886	67,161	1,873	66,224	1,016,839	15.1
66–67	0.029413	65,288	1,920	64,327	950,615	14.6
67–68	0.031172	63,367	1,975	62,380	886,288	14.0
68–69	0.033210	61,392	2,039	60,373	823,908	13.4
69–70	0.035514	59,353	2,108	58,299	763,535	12.9
70–71	0.038004	57,245	2,176	56,158	705,236	12.3
71–72	0.040756	55,070	2,244	53,948	649,078	11.8
72–73	0.043918	52,825	2,320	51,665	595,131	11.3
73–74	0.047509	50,505	2,399	49,306	543,465	10.8
74–75	0.051445	48,106	2,475	46,869	494,160	10.3
75–76	0.055632	45,631	2,539	44,362	447,291	9.8
76–77	0.059821	43,093	2,578	41,804	402,929	9.4
77–78	0.064304	40,515	2,605	39,212	361,126	8.9
78–79	0.069099	37,910	2,619	36,600	321,913	8.5
79–80	0.074222	35,290	2,619	33,980	285,314	8.1
80–81	0.079693	32,671	2,604	31,369	251,333	7.7
81–82	0.085530	30,067	2,572	28,781	219,964	7.3
82–83	0.091752	27,495	2,523	26,234	191,183	7.0
83–84	0.098378	24,973	2,457	23,744	164,949	6.6
84–85	0.105427	22,516	2,374	21,329	141,205	6.3
85–86	0.112917	20,142	2,274	19,005	119,876	6.0
86–87	0.120868	17,868	2,160	16,788	100,871	5.6
87–88	0.129297	15,708	2,031	14,693	84,083	5.4
88–89	0.138221	13,677	1,890	12,732	69,390	5.1
89–90	0.147657	11,787	1,740	10,916	56,658	4.8
90–91	0.157620	10,046	1,583	9,255	45,742	4.6
91–92	0.168122	8,463	1,423	7,751	36,488	4.3
92–93	0.179174	7,040	1,261	6,409	28,736	4.1
93–94	0.190787	5,779	1,102	5,227	22,327	3.9
94–95	0.202967	4,676	949	4,202	17,099	3.7
95–96	0.215716	3,727	804	3,325	12,898	3.5
96–97	0.229036	2,923	669	2,588	9,573	3.3
97–98	0.242925	2,254	547	1,980	6,985	3.1
98–99	0.257374	1,706	439	1,487	5,005	2.9
99–100	0.272373	1,267	345	1,094	3,518	2.8
100 and over	1.00000	922	922	2,424	2,424	2.6

Table 18. Life table for non-Hispanic black females: United States, 2007

Spreadsheet version available from:ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table18.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	0.012138	100,000	1,214	98,929	7,654,925	76.5
1–2	0.000648	98,786	64	98,754	7,555,995	76.5
2–3	0.000414	98,722	41	98,702	7,457,241	75.5
3–4	0.000294	98,681	29	98,667	7,358,539	74.6
4–5	0.000231	98,652	23	98,641	7,259,873	73.6
5–6	0.000204	98,629	20	98,619	7,161,232	72.6
6–7	0.000171	98,609	17	98,601	7,062,613	71.6
7–8	0.000150	98,592	15	98,585	6,964,012	70.6
8–9	0.000138	98,578	14	98,571	6,865,427	69.6
9–10	0.000135	98,564	13	98,557	6,766,856	68.7
10–11	0.000141	98,551	14	98,544	6,668,299	67.7
11–12	0.000157	98,537	15	98,529	6,569,755	66.7
12–13	0.000182	98,521	18	98,512	6,471,226	65.7
13–14	0.000216	98,503	21	98,493	6,372,713	64.7
14–15	0.000256	98,482	25	98,470	6,274,220	63.7
15–16	0.000300	98,457	30	98,442	6,175,751	62.7
16–17	0.000345	98,427	34	98,410	6,077,309	61.7
17–18	0.000389	98,393	38	98,374	5,978,898	60.8
18–19	0.000432	98,355	42	98,334	5,880,524	59.8
19–20	0.000476	98,313	47	98,289	5,782,190	58.8
20–21	0.000525	98,266	52	98,240	5,683,901	57.8
21–22	0.000580	98,214	57	98,186	5,585,661	56.9
22–23	0.000636	98,157	62	98,126	5,487,475	55.9
23–24	0.000691	98,095	68	98,061	5,389,349	54.9
24–25	0.000743	98,027	73	97,991	5,291,288	54.0
25–26	0.000799	97,954	78	97,915	5,193,298	53.0
26–27	0.000858	97,876	84	97,834	5,095,383	52.1
27–28	0.000912	97,792	89	97,747	4,997,549	51.1
28–29	0.000963	97,703	94	97,656	4,899,801	50.2
29–30	0.001015	97,609	99	97,559	4,802,146	49.2
30–31	0.001075	97,510	105	97,457	4,704,586	48.2
31–32	0.001150	97,405	112	97,349	4,607,129	47.3
32–33	0.001247	97,293	121	97,232	4,509,780	46.4
33–34	0.001352	97,171	131	97,106	4,412,548	45.4
34–35	0.001473	97,040	143	96,969	4,315,443	44.5
35–36	0.001603	96,897	155	96,819	4,218,474	43.5
36–37	0.001741	96,742	168	96,658	4,121,654	42.6
37–38	0.001886	96,573	182	96,482	4,024,997	41.7
38–39	0.002040	96,391	197	96,293	3,928,515	40.8
39–40	0.002209	96,195	213	96,088	3,832,222	39.8
40–41	0.002384	95,982	229	95,868	3,736,134	38.9
41–42	0.002575	95,753	247	95,630	3,640,266	38.0
42–43	0.002808	95,507	268	95,373	3,544,636	37.1
43–44	0.003089	95,238	294	95,091	3,449,264	36.2
44–45	0.003407	94,944	323	94,783	3,354,172	35.3
45–46	0.003737	94,621	354	94,444	3,259,390	34.4
46–47	0.004070	94,267	384	94,075	3,164,946	33.6
47–48	0.004423	93,884	415	93,676	3,070,870	32.7
48–49	0.004804	93,468	449	93,244	2,977,194	31.9
49–50	0.005217	93,019	485	92,777	2,883,950	31.0
50–51	0.005666	92,534	524	92,272	2,791,174	30.2
51–52	0.006138	92,010	565	91,727	2,698,902	29.3
52–53	0.006618	91,445	605	91,142	2,607,175	28.5
53–54	0.007089	90,840	644	90,518	2,516,032	27.7
54–55	0.007556	90,196	682	89,855	2,425,514	26.9
55–56	0.008051	89,514	721	89,154	2,335,659	26.1
56–57	0.008586	88,794	762	88,412	2,246,505	25.3
57–58	0.009147	88,031	805	87,629	2,158,093	24.5
58–59	0.009753	87,226	851	86,801	2,070,464	23.7
59–60	0.010429	86,375	901	85,925	1,983,664	23.0
60–61	0.011210	85,474	958	84,995	1,897,739	22.2
61–62	0.012106	84,516	1,023	84,005	1,812,743	21.4
62–63	0.013099	83,493	1,094	82,946	1,728,739	20.7
63–64	0.014140	82,399	1,165	81,817	1,645,792	20.0
64–65	0.015206	81,234	1,235	80,617	1,563,975	19.3

Table 18. Life table for non-Hispanic black females: United States, 2007—Con.

Spreadsheet version available from:ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table18.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	0.016336	79,999	1,307	79,346	1,483,359	18.5
66–67	0.017435	78,692	1,372	78,006	1,404,013	17.8
67–68	0.018651	77,320	1,442	76,599	1,326,007	17.1
68–69	0.020008	75,878	1,518	75,119	1,249,408	16.5
69–70	0.021529	74,360	1,601	73,560	1,174,289	15.8
70–71	0.023216	72,759	1,689	71,914	1,100,729	15.1
71–72	0.025124	71,070	1,786	70,177	1,028,815	14.5
72–73	0.027325	69,284	1,893	68,338	958,638	13.8
73–74	0.029845	67,391	2,011	66,386	890,300	13.2
74–75	0.032672	65,380	2,136	64,312	823,914	12.6
75–76	0.035797	63,244	2,264	62,112	759,602	12.0
76–77	0.039058	60,980	2,382	59,789	697,491	11.4
77–78	0.042603	58,598	2,496	57,350	637,702	10.9
78–79	0.046454	56,102	2,606	54,799	580,352	10.3
79–80	0.050634	53,496	2,709	52,141	525,553	9.8
80–81	0.055169	50,787	2,802	49,386	473,412	9.3
81–82	0.060085	47,985	2,883	46,543	424,026	8.8
82–83	0.065408	45,102	2,950	43,627	377,482	8.4
83–84	0.071167	42,152	3,000	40,652	333,856	7.9
84–85	0.077392	39,152	3,030	37,637	293,204	7.5
85–86	0.084111	36,122	3,038	34,603	255,567	7.1
86–87	0.091356	33,084	3,022	31,572	220,964	6.7
87–88	0.099158	30,061	2,981	28,571	189,391	6.3
88–89	0.107547	27,080	2,912	25,624	160,821	5.9
89–90	0.116553	24,168	2,817	22,760	135,196	5.6
90–91	0.126208	21,351	2,695	20,004	112,437	5.3
91–92	0.136538	18,657	2,547	17,383	92,433	5.0
92–93	0.147571	16,109	2,377	14,921	75,050	4.7
93–94	0.159332	13,732	2,188	12,638	60,129	4.4
94–95	0.171840	11,544	1,984	10,552	47,491	4.1
95–96	0.185115	9,560	1,770	8,675	36,939	3.9
96–97	0.199168	7,791	1,552	7,015	28,264	3.6
97–98	0.214008	6,239	1,335	5,571	21,249	3.4
98–99	0.229636	4,904	1,126	4,341	15,678	3.2
99–100	0.246049	3,778	929	3,313	11,337	3.0
100 and over	1.00000	2,848	2,848	8,024	8,024	2.8