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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 16. Life table for the non-Hispanic black population: United States, 2008Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table16.xls.

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
0-1	0.012660	100,000	1,266	98,896	7,370,365	73.7
1-2	0.000716	98,734	71	98,699	7,271,469	73.6
2-3	0.000446	98,663	44	98,641	7,172,770	72.7
3-4	0.000363	98,619	36	98,601	7,074,129	71.7
4-5	0.000276	98,584	27	98,570	6,975,528	70.8
5-6	0.000245	98,556	24	98,544	6,876,958	69.8
6-7	0.000218	98,532	21	98,521	6,778,413	68.8
7-8	0.000195	98,511	19	98,501	6,679,892	67.8
8-9	0.000169	98,492	17	98,483	6,581,391	66.8
9-10	0.000141	98,475	14	98,468	6,482,907	65.8
10-11	0.000121	98,461	12	98,455	6,384,439	64.8
11-12	0.000128	98,449	13	98,443	6,285,984	63.9
12-13	0.000181	98,437	18	98,428	6,187,542	62.9
13-14	0.000288	98,419	28	98,405	6,089,114	61.9
14-15	0.000427	98,391	42	98,370	5,990,709	60.9
15-16	0.000572	98,348	56	98,320	5,892,340	59.9
16-17	0.000703	98,292	69	98,258	5,794,019	58.9
17-18	0.000827	98,223	81	98,182	5,695,762	58.0
18-19	0.000946	98,142	93	98,095	5,597,579	57.0
19-20	0.001064	98,049	104	97,997	5,499,484	56.1
20-21	0.001196	97,945	117	97,886	5,401,487	55.1
21-22	0.001330	97,828	130	97,762	5,303,601	54.2
22-23	0.001432	97,697	140	97,627	5,205,838	53.3
23-24	0.001481	97,558	145	97,485	5,108,211	52.4
24-25	0.001490	97,413	145	97,340	5,010,726	51.4
25-26	0.001485	97,268	144	97,196	4,913,385	50.5
26-27	0.001490	97,123	145	97,051	4,816,189	49.6
27-28	0.001506	96,979	146	96,906	4,719,138	48.7
28-29	0.001543	96,833	149	96,758	4,622,233	47.7
29-30	0.001601	96,683	155	96,606	4,525,475	46.8
30-31	0.001674	96,528	162	96,448	4,428,869	45.9
31-32	0.001754	96,367	169	96,282	4,332,422	45.0
32-33	0.001851	96,198	178	96,109	4,236,139	44.0
33-34	0.001913	96,020	184	95,928	4,140,030	43.1
34-35	0.001986	95,836	190	95,741	4,044,103	42.2
35-36	0.002067	95,646	198	95,547	3,948,362	41.3
36-37	0.002170	95,448	207	95,344	3,852,815	40.4
37-38	0.002303	95,241	219	95,131	3,757,470	39.5
38-39	0.002476	95,022	235	94,904	3,662,339	38.5
39-40	0.002689	94,786	255	94,659	3,567,435	37.6
40-41	0.002927	94,531	277	94,393	3,472,776	36.7
41-42	0.003185	94,255	300	94,105	3,378,383	35.8
42-43	0.003475	93,954	327	93,791	3,284,278	35.0
43-44	0.003794	93,628	355	93,450	3,190,487	34.1
44-45	0.004136	93,273	386	93,080	3,097,037	33.2
45-46	0.004482	92,887	416	92,679	3,003,957	32.3
46-47	0.004849	92,471	448	92,247	2,911,278	31.5
47-48	0.005282	92,022	486	91,779	2,819,032	30.6
48-49	0.005806	91,536	531	91,271	2,727,252	29.8
49-50	0.006415	91,005	584	90,713	2,635,982	29.0
50-51	0.007077	90,421	640	90,101	2,545,269	28.1
51-52	0.007761	89,781	697	89,433	2,455,168	27.3
52-53	0.008469	89,084	754	88,707	2,365,735	26.6
53-54	0.009188	88,330	812	87,924	2,277,028	25.8
54-55	0.009922	87,518	868	87,084	2,189,104	25.0
55-56	0.010719	86,650	929	86,186	2,102,020	24.3
56-57	0.011571	85,721	992	85,225	2,015,834	23.5
57-58	0.012413	84,729	1,052	84,203	1,930,609	22.8
58-59	0.013226	83,678	1,107	83,124	1,846,406	22.1
59-60	0.014043	82,571	1,160	81,991	1,763,281	21.4
60-61	0.014929	81,411	1,215	80,804	1,681,290	20.7
61-62	0.015938	80,196	1,278	79,557	1,600,487	20.0
62-63	0.017058	78,918	1,346	78,245	1,520,930	19.3

See footnote at end of table.

Table 16. Life table for the non-Hispanic black population: United States, 2008—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table16.xls.

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
63–64	0.018281	77,572	1,418	76,863	1,442,685	18.6
64–65	0.019584	76,154	1,491	75,408	1,365,822	17.9
65–66	0.020996	74,662	1,568	73,878	1,290,415	17.3
66–67	0.022486	73,095	1,644	72,273	1,216,536	16.6
67–68	0.023993	71,451	1,714	70,594	1,144,264	16.0
68–69	0.025516	69,737	1,779	68,847	1,073,670	15.4
69–70	0.027096	67,957	1,841	67,037	1,004,823	14.8
70–71	0.028646	66,116	1,894	65,169	937,786	14.2
71–72	0.030303	64,222	1,946	63,249	872,617	13.6
72–73	0.032431	62,276	2,020	61,266	809,369	13.0
73–74	0.034950	60,256	2,106	59,203	748,103	12.4
74–75	0.037923	58,150	2,205	57,048	688,900	11.8
75–76	0.041286	55,945	2,310	54,790	631,852	11.3
76–77	0.044627	53,635	2,394	52,438	577,062	10.8
77–78	0.048448	51,242	2,483	50,000	524,624	10.2
78–79	0.052727	48,759	2,571	47,474	474,623	9.7
79–80	0.056780	46,188	2,623	44,877	427,150	9.2
80–81	0.061319	43,566	2,671	42,230	382,273	8.8
81–82	0.066085	40,894	2,702	39,543	340,043	8.3
82–83	0.071444	38,192	2,729	36,827	300,500	7.9
83–84	0.078403	35,463	2,780	34,073	263,673	7.4
84–85	0.085139	32,683	2,783	31,291	229,600	7.0
85–86	0.092631	29,900	2,770	28,515	198,308	6.6
86–87	0.100667	27,130	2,731	25,765	169,793	6.3
87–88	0.109268	24,399	2,666	23,066	144,028	5.9
88–89	0.118450	21,733	2,574	20,446	120,962	5.6
89–90	0.128226	19,159	2,457	17,931	100,516	5.2
90–91	0.138605	16,702	2,315	15,545	82,585	4.9
91–92	0.149591	14,387	2,152	13,311	67,040	4.7
92–93	0.161181	12,235	1,972	11,249	53,729	4.4
93–94	0.173369	10,263	1,779	9,373	42,480	4.1
94–95	0.186138	8,484	1,579	7,694	33,107	3.9
95–96	0.199468	6,905	1,377	6,216	25,412	3.7
96–97	0.213329	5,527	1,179	4,938	19,196	3.5
97–98	0.227684	4,348	990	3,853	14,259	3.3
98–99	0.242488	3,358	814	2,951	10,405	3.1
99–100	0.257689	2,544	656	2,216	7,454	2.9
100 and over	1.000000	1,888	1,888	5,238	5,238	2.8

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 17. Life table for non-Hispanic black males: United States, 2008Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table17.xls.

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
0-1	0.013942	100,000	1,394	98,783	7,017,692	70.2
1-2	0.000812	98,606	80	98,566	6,918,909	70.2
2-3	0.000493	98,526	49	98,501	6,820,343	69.2
3-4	0.000368	98,477	36	98,459	6,721,842	68.3
4-5	0.000321	98,441	32	98,425	6,623,383	67.3
5-6	0.000280	98,409	28	98,396	6,524,957	66.3
6-7	0.000261	98,382	26	98,369	6,426,562	65.3
7-8	0.000238	98,356	23	98,344	6,328,193	64.3
8-9	0.000198	98,333	19	98,323	6,229,849	63.4
9-10	0.000145	98,313	14	98,306	6,131,526	62.4
10-11	0.000098	98,299	10	98,294	6,033,219	61.4
11-12	0.000094	98,289	9	98,285	5,934,925	60.4
12-13	0.000173	98,280	17	98,272	5,836,640	59.4
13-14	0.000350	98,263	34	98,246	5,738,369	58.4
14-15	0.000587	98,229	58	98,200	5,640,123	57.4
15-16	0.000831	98,171	82	98,130	5,541,923	56.5
16-17	0.001049	98,090	103	98,038	5,443,793	55.5
17-18	0.001252	97,987	123	97,925	5,345,754	54.6
18-19	0.001440	97,864	141	97,793	5,247,829	53.6
19-20	0.001621	97,723	158	97,644	5,150,036	52.7
20-21	0.001822	97,565	178	97,476	5,052,392	51.8
21-22	0.002025	97,387	197	97,288	4,954,916	50.9
22-23	0.002173	97,190	211	97,084	4,857,628	50.0
23-24	0.002235	96,978	217	96,870	4,760,544	49.1
24-25	0.002228	96,762	216	96,654	4,663,674	48.2
25-26	0.002196	96,546	212	96,440	4,567,020	47.3
26-27	0.002177	96,334	210	96,229	4,470,580	46.4
27-28	0.002175	96,124	209	96,020	4,374,351	45.5
28-29	0.002209	95,915	212	95,809	4,278,331	44.6
29-30	0.002276	95,703	218	95,595	4,182,522	43.7
30-31	0.002361	95,486	225	95,373	4,086,927	42.8
31-32	0.002447	95,260	233	95,144	3,991,554	41.9
32-33	0.002563	95,027	244	94,905	3,896,410	41.0
33-34	0.002599	94,784	246	94,660	3,801,505	40.1
34-35	0.002659	94,537	251	94,412	3,706,845	39.2
35-36	0.002729	94,286	257	94,157	3,612,433	38.3
36-37	0.002827	94,029	266	93,896	3,518,276	37.4
37-38	0.002957	93,763	277	93,624	3,424,380	36.5
38-39	0.003131	93,485	293	93,339	3,330,756	35.6
39-40	0.003350	93,193	312	93,037	3,237,417	34.7
40-41	0.003603	92,881	335	92,713	3,144,381	33.9
41-42	0.003887	92,546	360	92,366	3,051,667	33.0
42-43	0.004214	92,186	389	91,992	2,959,301	32.1
43-44	0.004585	91,798	421	91,587	2,867,309	31.2
44-45	0.004995	91,377	456	91,149	2,775,722	30.4
45-46	0.005413	90,920	492	90,674	2,684,574	29.5
46-47	0.005868	90,428	531	90,163	2,593,899	28.7
47-48	0.006431	89,898	578	89,608	2,503,737	27.9
48-49	0.007143	89,319	638	89,000	2,414,128	27.0
49-50	0.007990	88,681	709	88,327	2,325,128	26.2
50-51	0.008914	87,973	784	87,581	2,236,800	25.4
51-52	0.009869	87,189	860	86,758	2,149,220	24.7
52-53	0.010877	86,328	939	85,859	2,062,461	23.9
53-54	0.011924	85,389	1,018	84,880	1,976,603	23.1
54-55	0.013010	84,371	1,098	83,822	1,891,722	22.4
55-56	0.014210	83,273	1,183	82,682	1,807,900	21.7
56-57	0.015482	82,090	1,271	81,455	1,725,219	21.0
57-58	0.016687	80,819	1,349	80,145	1,643,764	20.3
58-59	0.017757	79,470	1,411	78,765	1,563,619	19.7
59-60	0.018744	78,059	1,463	77,328	1,484,854	19.0
60-61	0.019763	76,596	1,514	75,839	1,407,527	18.4
61-62	0.020938	75,082	1,572	74,296	1,331,687	17.7
62-63	0.022288	73,510	1,638	72,691	1,257,391	17.1

See footnote at end of table.

Table 17. Life table for non-Hispanic black males: United States, 2008—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table17.xls.

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
63–64	0.023855	71,872	1,715	71,015	1,184,700	16.5
64–65	0.025601	70,157	1,796	69,259	1,113,685	15.9
65–66	0.027522	68,361	1,881	67,421	1,044,426	15.3
66–67	0.029498	66,480	1,961	65,499	977,005	14.7
67–68	0.031428	64,519	2,028	63,505	911,506	14.1
68–69	0.033261	62,491	2,079	61,452	848,001	13.6
69–70	0.035043	60,413	2,117	59,354	786,549	13.0
70–71	0.036686	58,296	2,139	57,226	727,195	12.5
71–72	0.038524	56,157	2,163	55,075	669,969	11.9
72–73	0.041047	53,994	2,216	52,885	614,894	11.4
73–74	0.044085	51,777	2,283	50,636	562,008	10.9
74–75	0.047923	49,495	2,372	48,309	511,372	10.3
75–76	0.052445	47,123	2,471	45,887	463,064	9.8
76–77	0.056951	44,651	2,543	43,380	417,177	9.3
77–78	0.061966	42,108	2,609	40,804	373,797	8.9
78–79	0.067329	39,499	2,659	38,169	332,993	8.4
79–80	0.072797	36,840	2,682	35,499	294,824	8.0
80–81	0.078550	34,158	2,683	32,816	259,325	7.6
81–82	0.084271	31,475	2,652	30,149	226,508	7.2
82–83	0.091240	28,822	2,630	27,507	196,360	6.8
83–84	0.098688	26,193	2,585	24,900	168,852	6.4
84–85	0.106631	23,608	2,517	22,349	143,952	6.1
85–86	0.115085	21,090	2,427	19,877	121,603	5.8
86–87	0.124060	18,663	2,315	17,506	101,726	5.5
87–88	0.133565	16,348	2,184	15,256	84,221	5.2
88–89	0.143606	14,164	2,034	13,147	68,965	4.9
89–90	0.154183	12,130	1,870	11,195	55,818	4.6
90–91	0.165294	10,260	1,696	9,412	44,622	4.3
91–92	0.176928	8,564	1,515	7,806	35,210	4.1
92–93	0.189073	7,049	1,333	6,382	27,404	3.9
93–94	0.201708	5,716	1,153	5,140	21,021	3.7
94–95	0.214807	4,563	980	4,073	15,882	3.5
95–96	0.228340	3,583	818	3,174	11,809	3.3
96–97	0.242267	2,765	670	2,430	8,635	3.1
97–98	0.256547	2,095	537	1,826	6,205	3.0
98–99	0.271132	1,558	422	1,346	4,379	2.8
99–100	0.285967	1,135	325	973	3,032	2.7
100 and over	1.000000	811	811	2,060	2,060	2.5

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 18. Life table for non-Hispanic black females: United States, 2008Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table18.xls.

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
0-1	0.011335	100,000	1,134	99,012	7,692,943	76.9
1-2	0.000588	98,866	58	98,837	7,593,932	76.8
2-3	0.000380	98,808	38	98,790	7,495,094	75.9
3-4	0.000343	98,771	34	98,754	7,396,305	74.9
4-5	0.000218	98,737	22	98,726	7,297,551	73.9
5-6	0.000200	98,715	20	98,706	7,198,824	72.9
6-7	0.000166	98,696	16	98,687	7,100,119	71.9
7-8	0.000144	98,679	14	98,672	7,001,431	71.0
8-9	0.000132	98,665	13	98,659	6,902,759	70.0
9-10	0.000129	98,652	13	98,646	6,804,101	69.0
10-11	0.000135	98,639	13	98,633	6,705,455	68.0
11-12	0.000151	98,626	15	98,619	6,606,822	67.0
12-13	0.000178	98,611	18	98,602	6,508,204	66.0
13-14	0.000214	98,594	21	98,583	6,409,601	65.0
14-15	0.000257	98,573	25	98,560	6,311,018	64.0
15-16	0.000301	98,547	30	98,532	6,212,458	63.0
16-17	0.000346	98,518	34	98,500	6,113,926	62.1
17-18	0.000392	98,483	39	98,464	6,015,425	61.1
18-19	0.000439	98,445	43	98,423	5,916,961	60.1
19-20	0.000491	98,402	48	98,377	5,818,538	59.1
20-21	0.000551	98,353	54	98,326	5,720,161	58.2
21-22	0.000614	98,299	60	98,269	5,621,835	57.2
22-23	0.000671	98,239	66	98,206	5,523,566	56.2
23-24	0.000714	98,173	70	98,138	5,425,360	55.3
24-25	0.000745	98,103	73	98,066	5,327,222	54.3
25-26	0.000776	98,030	76	97,992	5,229,156	53.3
26-27	0.000812	97,954	80	97,914	5,131,165	52.4
27-28	0.000853	97,874	83	97,832	5,033,251	51.4
28-29	0.000901	97,790	88	97,746	4,935,419	50.5
29-30	0.000959	97,702	94	97,656	4,837,672	49.5
30-31	0.001032	97,609	101	97,558	4,740,017	48.6
31-32	0.001116	97,508	109	97,454	4,642,458	47.6
32-33	0.001211	97,399	118	97,340	4,545,005	46.7
33-34	0.001294	97,281	126	97,218	4,447,665	45.7
34-35	0.001382	97,155	134	97,088	4,350,447	44.8
35-36	0.001473	97,021	143	96,950	4,253,359	43.8
36-37	0.001582	96,878	153	96,801	4,156,409	42.9
37-38	0.001718	96,725	166	96,642	4,059,607	42.0
38-39	0.001892	96,559	183	96,467	3,962,966	41.0
39-40	0.002101	96,376	203	96,275	3,866,498	40.1
40-41	0.002328	96,174	224	96,062	3,770,223	39.2
41-42	0.002564	95,950	246	95,827	3,674,162	38.3
42-43	0.002822	95,704	270	95,569	3,578,335	37.4
43-44	0.003098	95,433	296	95,286	3,482,767	36.5
44-45	0.003384	95,138	322	94,977	3,387,481	35.6
45-46	0.003671	94,816	348	94,642	3,292,504	34.7
46-47	0.003966	94,468	375	94,281	3,197,862	33.9
47-48	0.004290	94,093	404	93,891	3,103,582	33.0
48-49	0.004658	93,690	436	93,471	3,009,690	32.1
49-50	0.005069	93,253	473	93,017	2,916,219	31.3
50-51	0.005515	92,780	512	92,525	2,823,202	30.4
51-52	0.005976	92,269	551	91,993	2,730,678	29.6
52-53	0.006440	91,717	591	91,422	2,638,685	28.8
53-54	0.006894	91,127	628	90,813	2,547,263	28.0
54-55	0.007346	90,498	665	90,166	2,456,450	27.1
55-56	0.007826	89,834	703	89,482	2,366,284	26.3
56-57	0.008352	89,131	744	88,758	2,276,802	25.5
57-58	0.008921	88,386	788	87,992	2,188,044	24.8
58-59	0.009549	87,598	836	87,179	2,100,052	24.0
59-60	0.010253	86,761	890	86,316	2,012,872	23.2
60-61	0.011060	85,872	950	85,397	1,926,556	22.4
61-62	0.011967	84,922	1,016	84,414	1,841,159	21.7
62-63	0.012942	83,906	1,086	83,363	1,756,746	20.9

See footnote at end of table.

Table 18. Life table for non-Hispanic black females: United States, 2008—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/61_03/Table18.xls.

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
63–64	0.013939	82,820	1,154	82,242	1,673,383	20.2
64–65	0.014949	81,665	1,221	81,055	1,591,140	19.5
65–66	0.016032	80,444	1,290	79,800	1,510,086	18.8
66–67	0.017212	79,155	1,362	78,474	1,430,286	18.1
67–68	0.018462	77,792	1,436	77,074	1,351,812	17.4
68–69	0.019808	76,356	1,512	75,600	1,274,738	16.7
69–70	0.021287	74,844	1,593	74,047	1,199,138	16.0
70–71	0.022813	73,250	1,671	72,415	1,125,091	15.4
71–72	0.024396	71,579	1,746	70,706	1,052,676	14.7
72–73	0.026328	69,833	1,839	68,914	981,970	14.1
73–74	0.028596	67,995	1,944	67,022	913,056	13.4
74–75	0.031138	66,050	2,057	65,022	846,034	12.8
75–76	0.033910	63,994	2,170	62,909	781,012	12.2
76–77	0.036717	61,823	2,270	60,688	718,103	11.6
77–78	0.040036	59,553	2,384	58,361	657,415	11.0
78–79	0.043888	57,169	2,509	55,915	599,054	10.5
79–80	0.047390	54,660	2,590	53,365	543,139	9.9
80–81	0.051552	52,070	2,684	50,728	489,774	9.4
81–82	0.056299	49,386	2,780	47,995	439,046	8.9
82–83	0.061373	46,605	2,860	45,175	391,051	8.4
83–84	0.068340	43,745	2,990	42,250	345,876	7.9
84–85	0.075295	40,755	3,069	39,221	303,626	7.4
85–86	0.082708	37,687	3,117	36,128	264,405	7.0
86–87	0.090584	34,570	3,131	33,004	228,276	6.6
87–88	0.099083	31,438	3,115	29,881	195,272	6.2
88–89	0.108229	28,323	3,065	26,791	165,392	5.8
89–90	0.118043	25,258	2,982	23,767	138,601	5.5
90–91	0.128543	22,276	2,863	20,845	114,834	5.2
91–92	0.139739	19,413	2,713	18,057	93,989	4.8
92–93	0.151635	16,700	2,532	15,434	75,933	4.5
93–94	0.164228	14,168	2,327	13,004	60,499	4.3
94–95	0.177507	11,841	2,102	10,790	47,494	4.0
95–96	0.191450	9,739	1,865	8,807	36,704	3.8
96–97	0.206028	7,875	1,622	7,063	27,897	3.5
97–98	0.221198	6,252	1,383	5,561	20,834	3.3
98–99	0.236911	4,869	1,154	4,292	15,273	3.1
99–100	0.253106	3,716	940	3,245	10,981	3.0
100 and over	1.000000	2,775	2,775	7,735	7,735	2.8

SOURCE: CDC/NCHS, National Vital Statistics System.