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## United States Life Tables, 2007

by Elizabeth Arias, Ph.D., Division of Vital Statistics

### 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 incom-

pleteness (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

**Table 7. Life table for the black population: United States, 2007**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/59\\_09/Table07.xls](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table07.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	0.013261	100,000	1,326	98,830	7,356,870	73.6
1-2	0.000663	98,674	65	98,641	7,258,040	73.6
2-3	0.000435	98,608	43	98,587	7,159,399	72.6
3-4	0.000323	98,566	32	98,550	7,060,812	71.6
4-5	0.000260	98,534	26	98,521	6,962,262	70.7
5-6	0.000226	98,508	22	98,497	6,863,741	69.7
6-7	0.000201	98,486	20	98,476	6,765,244	68.7
7-8	0.000180	98,466	18	98,457	6,666,768	67.7
8-9	0.000158	98,448	16	98,441	6,568,311	66.7
9-10	0.000136	98,433	13	98,426	6,469,870	65.7
10-11	0.000122	98,419	12	98,413	6,371,444	64.7
11-12	0.000134	98,407	13	98,401	6,273,031	63.7
12-13	0.000188	98,394	18	98,385	6,174,630	62.8
13-14	0.000293	98,376	29	98,361	6,076,245	61.8
14-15	0.000432	98,347	42	98,326	5,977,884	60.8
15-16	0.000579	98,304	57	98,276	5,879,558	59.8
16-17	0.000716	98,247	70	98,212	5,781,282	58.8
17-18	0.000843	98,177	83	98,136	5,683,070	57.9
18-19	0.000961	98,094	94	98,047	5,584,934	56.9
19-20	0.001073	98,000	105	97,948	5,486,887	56.0
20-21	0.001196	97,895	117	97,837	5,388,939	55.0
21-22	0.001322	97,778	129	97,713	5,291,103	54.1
22-23	0.001421	97,649	139	97,579	5,193,389	53.2
23-24	0.001476	97,510	144	97,438	5,095,810	52.3
24-25	0.001496	97,366	146	97,293	4,998,372	51.3
25-26	0.001505	97,221	146	97,147	4,901,079	50.4
26-27	0.001521	97,074	148	97,000	4,803,931	49.5
27-28	0.001543	96,927	150	96,852	4,706,931	48.6
28-29	0.001577	96,777	153	96,701	4,610,079	47.6
29-30	0.001626	96,624	157	96,546	4,513,379	46.7
30-31	0.001684	96,467	162	96,386	4,416,833	45.8
31-32	0.001752	96,305	169	96,220	4,320,447	44.9
32-33	0.001848	96,136	178	96,047	4,224,226	43.9
33-34	0.001925	95,958	185	95,866	4,128,179	43.0
34-35	0.002027	95,774	194	95,677	4,032,313	42.1
35-36	0.002140	95,580	204	95,477	3,936,636	41.2
36-37	0.002268	95,375	216	95,267	3,841,159	40.3
37-38	0.002412	95,159	230	95,044	3,745,892	39.4
38-39	0.002578	94,929	245	94,807	3,650,848	38.5
39-40	0.002769	94,685	262	94,553	3,556,041	37.6
40-41	0.002976	94,422	281	94,282	3,461,488	36.7
41-42	0.003205	94,141	302	93,991	3,367,206	35.8
42-43	0.003480	93,840	327	93,676	3,273,215	34.9
43-44	0.003808	93,513	356	93,335	3,179,539	34.0
44-45	0.004180	93,157	389	92,962	3,086,204	33.1
45-46	0.004564	92,768	423	92,556	2,993,242	32.3
46-47	0.004964	92,344	458	92,115	2,900,686	31.4
47-48	0.005421	91,886	498	91,637	2,808,571	30.6
48-49	0.005958	91,388	544	91,115	2,716,934	29.7
49-50	0.006569	90,843	597	90,545	2,625,818	28.9
50-51	0.007242	90,247	654	89,920	2,535,274	28.1
51-52	0.007943	89,593	712	89,237	2,445,354	27.3
52-53	0.008646	88,881	768	88,497	2,356,117	26.5
53-54	0.009319	88,113	821	87,702	2,267,620	25.7
54-55	0.009967	87,292	870	86,857	2,179,917	25.0
55-56	0.010650	86,422	920	85,961	2,093,061	24.2
56-57	0.011385	85,501	973	85,015	2,007,099	23.5
57-58	0.012136	84,528	1,026	84,015	1,922,085	22.7
58-59	0.012920	83,502	1,079	82,963	1,838,070	22.0
59-60	0.013768	82,423	1,135	81,856	1,755,107	21.3
60-61	0.014730	81,288	1,197	80,690	1,673,251	20.6
61-62	0.015822	80,091	1,267	79,457	1,592,561	19.9
62-63	0.017011	78,824	1,341	78,153	1,513,104	19.2
63-64	0.018233	77,483	1,413	76,777	1,434,951	18.5
64-65	0.019460	76,070	1,480	75,330	1,358,174	17.9

**Table 7. Life table for the black population: United States, 2007—Con.**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/59\\_09/Table07.xls](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table07.xls).

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	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
65-66	0.020737	74,590	1,547	73,816	1,282,844	17.2
66-67	0.021982	73,043	1,606	72,240	1,209,027	16.6
67-68	0.023371	71,437	1,670	70,603	1,136,787	15.9
68-69	0.024936	69,768	1,740	68,898	1,066,184	15.3
69-70	0.026691	68,028	1,816	67,120	997,286	14.7
70-71	0.028620	66,212	1,895	65,265	930,166	14.0
71-72	0.030788	64,317	1,980	63,327	864,901	13.4
72-73	0.033295	62,337	2,076	61,299	801,574	12.9
73-74	0.036164	60,262	2,179	59,172	740,274	12.3
74-75	0.039361	58,082	2,286	56,939	681,102	11.7
75-76	0.042850	55,796	2,391	54,601	624,163	11.2
76-77	0.046413	53,405	2,479	52,166	569,562	10.7
77-78	0.050257	50,927	2,559	49,647	517,396	10.2
78-79	0.054400	48,367	2,631	47,052	467,749	9.7
79-80	0.058865	45,736	2,692	44,390	420,697	9.2
80-81	0.063670	43,044	2,741	41,674	376,308	8.7
81-82	0.068840	40,303	2,774	38,916	334,634	8.3
82-83	0.074396	37,529	2,792	36,133	295,718	7.9
83-84	0.080361	34,737	2,791	33,341	259,585	7.5
84-85	0.086760	31,945	2,772	30,560	226,244	7.1
85-86	0.093617	29,174	2,731	27,808	195,685	6.7
86-87	0.100955	26,443	2,670	25,108	167,877	6.3
87-88	0.108800	23,773	2,587	22,480	142,769	6.0
88-89	0.117175	21,187	2,483	19,945	120,289	5.7
89-90	0.126103	18,704	2,359	17,525	100,344	5.4
90-91	0.135608	16,345	2,217	15,237	82,819	5.1
91-92	0.145709	14,129	2,059	13,099	67,582	4.8
92-93	0.156426	12,070	1,888	11,126	54,482	4.5
93-94	0.167777	10,182	1,708	9,328	43,356	4.3
94-95	0.179776	8,474	1,523	7,712	34,028	4.0
95-96	0.192435	6,950	1,337	6,282	26,316	3.8
96-97	0.205761	5,613	1,155	5,035	20,035	3.6
97-98	0.219759	4,458	980	3,968	14,999	3.4
98-99	0.234429	3,478	815	3,071	11,031	3.2
99-100	0.249764	2,663	665	2,330	7,961	3.0
100 and over	1.000000	1,998	1,998	5,630	5,630	2.8

**Table 8. Life table for black males: United States, 2007**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/59\\_09/Table08.xls](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table08.xls).

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	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
0-1	0.014513	100,000	1,451	98,723	7,002,966	70.0
1-2	0.000702	98,549	69	98,514	6,904,243	70.1
2-3	0.000464	98,480	46	98,457	6,805,729	69.1
3-4	0.000359	98,434	35	98,416	6,707,272	68.1
4-5	0.000280	98,398	28	98,385	6,608,856	67.2
5-6	0.000250	98,371	25	98,359	6,510,471	66.2
6-7	0.000232	98,346	23	98,335	6,412,113	65.2
7-8	0.000214	98,323	21	98,313	6,313,778	64.2
8-9	0.000182	98,302	18	98,294	6,215,465	63.2
9-10	0.000141	98,285	14	98,278	6,117,171	62.2
10-11	0.000109	98,271	11	98,265	6,018,894	61.2
11-12	0.000117	98,260	11	98,254	5,920,628	60.3
12-13	0.000200	98,249	20	98,239	5,822,374	59.3
13-14	0.000376	98,229	37	98,210	5,724,135	58.3
14-15	0.000612	98,192	60	98,162	5,625,925	57.3
15-16	0.000862	98,132	85	98,090	5,527,763	56.3
16-17	0.001090	98,047	107	97,994	5,429,673	55.4
17-18	0.001301	97,940	127	97,877	5,331,680	54.4
18-19	0.001490	97,813	146	97,740	5,233,803	53.5
19-20	0.001666	97,667	163	97,586	5,136,063	52.6
20-21	0.001857	97,505	181	97,414	5,038,477	51.7
21-22	0.002050	97,324	200	97,224	4,941,063	50.8
22-23	0.002194	97,124	213	97,017	4,843,839	49.9
23-24	0.002261	96,911	219	96,801	4,746,822	49.0
24-25	0.002267	96,692	219	96,582	4,650,020	48.1
25-26	0.002250	96,473	217	96,364	4,553,438	47.2
26-27	0.002243	96,255	216	96,148	4,457,074	46.3
27-28	0.002247	96,040	216	95,932	4,360,926	45.4
28-29	0.002277	95,824	218	95,715	4,264,995	44.5
29-30	0.002333	95,606	223	95,494	4,169,280	43.6
30-31	0.002401	95,383	229	95,268	4,073,786	42.7
31-32	0.002473	95,154	235	95,036	3,978,518	41.8
32-33	0.002591	94,918	246	94,795	3,883,482	40.9
33-34	0.002637	94,672	250	94,548	3,788,686	40.0
34-35	0.002724	94,423	257	94,294	3,694,139	39.1
35-36	0.002823	94,166	266	94,033	3,599,845	38.2
36-37	0.002945	93,900	277	93,762	3,505,812	37.3
37-38	0.003095	93,623	290	93,478	3,412,051	36.4
38-39	0.003282	93,334	306	93,180	3,318,572	35.6
39-40	0.003508	93,027	326	92,864	3,225,392	34.7
40-41	0.003760	92,701	349	92,527	3,132,528	33.8
41-42	0.004041	92,352	373	92,166	3,040,001	32.9
42-43	0.004368	91,979	402	91,778	2,947,835	32.0
43-44	0.004748	91,577	435	91,360	2,856,057	31.2
44-45	0.005174	91,143	472	90,907	2,764,697	30.3
45-46	0.005613	90,671	509	90,417	2,673,790	29.5
46-47	0.006085	90,162	549	89,888	2,583,374	28.7
47-48	0.006658	89,613	597	89,315	2,493,486	27.8
48-49	0.007371	89,017	656	88,689	2,404,171	27.0
49-50	0.008214	88,361	726	87,998	2,315,482	26.2
50-51	0.009152	87,635	802	87,234	2,227,484	25.4
51-52	0.010128	86,833	879	86,393	2,140,250	24.6
52-53	0.011119	85,953	956	85,476	2,053,857	23.9
53-54	0.012078	84,998	1,027	84,484	1,968,381	23.2
54-55	0.013010	83,971	1,092	83,425	1,883,897	22.4
55-56	0.014000	82,879	1,160	82,299	1,800,472	21.7
56-57	0.015061	81,718	1,231	81,103	1,718,174	21.0
57-58	0.016121	80,488	1,298	79,839	1,637,070	20.3
58-59	0.017184	79,190	1,361	78,510	1,557,232	19.7
59-60	0.018296	77,829	1,424	77,117	1,478,722	19.0
60-61	0.019540	76,405	1,493	75,659	1,401,605	18.3
61-62	0.020953	74,912	1,570	74,128	1,325,946	17.7
62-63	0.022478	73,343	1,649	72,519	1,251,818	17.1
63-64	0.024035	71,694	1,723	70,833	1,179,300	16.4
64-65	0.025584	69,971	1,790	69,076	1,108,467	15.8

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	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
65-66	0.027173	68,181	1,853	67,255	1,039,391	15.2
66-67	0.028813	66,328	1,911	65,373	972,136	14.7
67-68	0.030640	64,417	1,974	63,430	906,764	14.1
68-69	0.032690	62,443	2,041	61,423	843,334	13.5
69-70	0.034968	60,402	2,112	59,346	781,911	12.9
70-71	0.037427	58,290	2,182	57,199	722,565	12.4
71-72	0.040151	56,108	2,253	54,982	665,366	11.9
72-73	0.043278	53,856	2,331	52,690	610,384	11.3
73-74	0.046835	51,525	2,413	50,318	557,694	10.8
74-75	0.050750	49,112	2,492	47,865	507,375	10.3
75-76	0.054941	46,619	2,561	45,339	459,510	9.9
76-77	0.059114	44,058	2,604	42,756	414,171	9.4
77-78	0.063582	41,453	2,636	40,136	371,416	9.0
78-79	0.068363	38,818	2,654	37,491	331,280	8.5
79-80	0.073476	36,164	2,657	34,835	293,789	8.1
80-81	0.078938	33,507	2,645	32,184	258,954	7.7
81-82	0.084770	30,862	2,616	29,554	226,769	7.3
82-83	0.090990	28,246	2,570	26,961	197,215	7.0
83-84	0.097617	25,676	2,506	24,422	170,255	6.6
84-85	0.104672	23,169	2,425	21,957	145,832	6.3
85-86	0.112173	20,744	2,327	19,581	123,876	6.0
86-87	0.120139	18,417	2,213	17,311	104,295	5.7
87-88	0.128590	16,205	2,084	15,163	86,984	5.4
88-89	0.137541	14,121	1,942	13,150	71,821	5.1
89-90	0.147011	12,179	1,790	11,283	58,672	4.8
90-91	0.157014	10,388	1,631	9,573	47,388	4.6
91-92	0.167564	8,757	1,467	8,023	37,815	4.3
92-93	0.178673	7,290	1,302	6,639	29,792	4.1
93-94	0.190350	5,987	1,140	5,417	23,153	3.9
94-95	0.202601	4,848	982	4,357	17,736	3.7
95-96	0.215432	3,865	833	3,449	13,380	3.5
96-97	0.228841	3,033	694	2,686	9,930	3.3
97-98	0.242827	2,339	568	2,055	7,245	3.1
98-99	0.257383	1,771	456	1,543	5,190	2.9
99-100	0.272497	1,315	358	1,136	3,647	2.8
100 and over	1.000000	957	957	2,511	2,511	2.6

**Table 9. Life table for black females: United States, 2007**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/59\\_09/Table09.xls](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table09.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	0.011966	100,000	1,197	98,942	7,682,875	76.8
1-2	0.00623	98,803	62	98,773	7,583,933	76.8
2-3	0.000405	98,742	40	98,722	7,485,161	75.8
3-4	0.000285	98,702	28	98,688	7,386,439	74.8
4-5	0.000239	98,674	24	98,662	7,287,751	73.9
5-6	0.000202	98,650	20	98,640	7,189,089	72.9
6-7	0.000168	98,630	17	98,622	7,090,449	71.9
7-8	0.000146	98,614	14	98,606	6,991,827	70.9
8-9	0.000134	98,599	13	98,593	6,893,221	69.9
9-10	0.000131	98,586	13	98,580	6,794,628	68.9
10-11	0.000136	98,573	13	98,566	6,696,049	67.9
11-12	0.000151	98,560	15	98,552	6,597,482	66.9
12-13	0.000175	98,545	17	98,536	6,498,930	65.9
13-14	0.000207	98,528	20	98,517	6,400,394	65.0
14-15	0.000246	98,507	24	98,495	6,301,877	64.0
15-16	0.000288	98,483	28	98,469	6,203,382	63.0
16-17	0.000331	98,455	33	98,438	6,104,913	62.0
17-18	0.000374	98,422	37	98,404	6,006,475	61.0
18-19	0.000417	98,385	41	98,365	5,908,071	60.1
19-20	0.000461	98,344	45	98,321	5,809,707	59.1
20-21	0.000511	98,299	50	98,274	5,711,385	58.1
21-22	0.000566	98,248	56	98,221	5,613,112	57.1
22-23	0.000621	98,193	61	98,162	5,514,891	56.2
23-24	0.000672	98,132	66	98,099	5,416,729	55.2
24-25	0.000718	98,066	70	98,031	5,318,630	54.2
25-26	0.000766	97,996	75	97,958	5,220,599	53.3
26-27	0.000818	97,920	80	97,880	5,122,641	52.3
27-28	0.000866	97,840	85	97,798	5,024,761	51.4
28-29	0.000913	97,756	89	97,711	4,926,963	50.4
29-30	0.000963	97,666	94	97,619	4,829,252	49.4
30-31	0.001020	97,572	100	97,523	4,731,632	48.5
31-32	0.001091	97,473	106	97,420	4,634,110	47.5
32-33	0.001183	97,366	115	97,309	4,536,690	46.6
33-34	0.001285	97,251	125	97,189	4,439,381	45.6
34-35	0.001401	97,126	136	97,058	4,342,192	44.7
35-36	0.001527	96,990	148	96,916	4,245,134	43.8
36-37	0.001661	96,842	161	96,762	4,148,218	42.8
37-38	0.001801	96,681	174	96,594	4,051,456	41.9
38-39	0.001950	96,507	188	96,413	3,954,862	41.0
39-40	0.002112	96,319	203	96,217	3,858,449	40.1
40-41	0.002280	96,116	219	96,006	3,762,232	39.1
41-42	0.002466	95,896	236	95,778	3,666,226	38.2
42-43	0.002697	95,660	258	95,531	3,570,447	37.3
43-44	0.002981	95,402	284	95,260	3,474,916	36.4
44-45	0.003307	95,118	315	94,960	3,379,657	35.5
45-46	0.003644	94,803	345	94,630	3,284,696	34.6
46-47	0.003984	94,458	376	94,269	3,190,066	33.8
47-48	0.004344	94,081	409	93,877	3,095,797	32.9
48-49	0.004731	93,673	443	93,451	3,001,920	32.0
49-50	0.005147	93,229	480	92,989	2,908,469	31.2
50-51	0.005601	92,750	520	92,490	2,815,479	30.4
51-52	0.006076	92,230	560	91,950	2,722,990	29.5
52-53	0.006546	91,670	600	91,370	2,631,040	28.7
53-54	0.006988	91,070	636	90,751	2,539,670	27.9
54-55	0.007412	90,433	670	90,098	2,448,919	27.1
55-56	0.007854	89,763	705	89,410	2,358,821	26.3
56-57	0.008337	89,058	742	88,687	2,269,411	25.5
57-58	0.008856	88,315	782	87,924	2,180,724	24.7
58-59	0.009435	87,533	826	87,120	2,092,799	23.9
59-60	0.010097	86,707	875	86,270	2,005,679	23.1
60-61	0.010865	85,832	933	85,366	1,919,409	22.4
61-62	0.011741	84,899	997	84,401	1,834,044	21.6
62-63	0.012711	83,903	1,066	83,369	1,749,643	20.9
63-64	0.013723	82,836	1,137	82,268	1,666,273	20.1
64-65	0.014757	81,699	1,206	81,097	1,584,006	19.4

**Table 9. Life table for black females: United States, 2007—Con.**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/59\\_09/Table09.xls](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/59_09/Table09.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	0.015857	80,494	1,276	79,856	1,502,909	18.7
66-67	0.016938	79,217	1,342	78,546	1,423,054	18.0
67-68	0.018133	77,876	1,412	77,170	1,344,507	17.3
68-69	0.019463	76,463	1,488	75,719	1,267,338	16.6
69-70	0.020958	74,975	1,571	74,190	1,191,618	15.9
70-71	0.022622	73,404	1,661	72,574	1,117,429	15.2
71-72	0.024515	71,743	1,759	70,864	1,044,855	14.6
72-73	0.026714	69,985	1,870	69,050	973,991	13.9
73-74	0.029242	68,115	1,992	67,119	904,941	13.3
74-75	0.032077	66,123	2,121	65,063	837,822	12.7
75-76	0.035204	64,002	2,253	62,876	772,759	12.1
76-77	0.038445	61,749	2,374	60,562	709,884	11.5
77-78	0.041971	59,375	2,492	58,129	649,322	10.9
78-79	0.045806	56,883	2,606	55,580	591,193	10.4
79-80	0.049972	54,278	2,712	52,921	535,612	9.9
80-81	0.054496	51,565	2,810	50,160	482,691	9.4
81-82	0.059404	48,755	2,896	47,307	432,531	8.9
82-83	0.064723	45,859	2,968	44,375	385,224	8.4
83-84	0.070483	42,891	3,023	41,379	340,849	7.9
84-85	0.076714	39,868	3,058	38,338	299,470	7.5
85-86	0.083446	36,809	3,072	35,273	261,131	7.1
86-87	0.090711	33,738	3,060	32,207	225,858	6.7
87-88	0.098541	30,677	3,023	29,166	193,650	6.3
88-89	0.106966	27,654	2,958	26,175	164,485	5.9
89-90	0.116019	24,696	2,865	23,264	138,309	5.6
90-91	0.125731	21,831	2,745	20,459	115,046	5.3
91-92	0.136131	19,086	2,598	17,787	94,587	5.0
92-93	0.147245	16,488	2,428	15,274	76,800	4.7
93-94	0.159100	14,060	2,237	12,942	61,526	4.4
94-95	0.171718	11,823	2,030	10,808	48,584	4.1
95-96	0.185115	9,793	1,813	8,887	37,776	3.9
96-97	0.199307	7,980	1,590	7,185	28,890	3.6
97-98	0.214300	6,390	1,369	5,705	21,705	3.4
98-99	0.230097	5,020	1,155	4,443	16,000	3.2
99-100	0.246693	3,865	954	3,388	11,557	3.0
100 and over	1.000000	2,912	2,912	8,169	8,169	2.8