

National Center for Health Statistics (NCHS): United States life tables, 2011. In: National Vital Statistics Reports; Vol. 64, No. 11, 2015, p. 41-44, downloaded from: www.cdc.gov (22.11.2016).

Table 17. Life table for non-Hispanic black males: United States, 2011Spreadsheet version available from: http://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table17.xlsx.

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	0.012502	100,000	1,250	98,927	7,173,820	71.7
1-2	0.000674	98,750	67	98,716	7,074,893	71.6
2-3	0.000494	98,683	49	98,659	6,976,177	70.7
3-4	0.000356	98,634	35	98,617	6,877,518	69.7
4-5	0.000316	98,599	31	98,584	6,778,901	68.8
5-6	0.000258	98,568	25	98,555	6,680,317	67.8
6-7	0.000224	98,543	22	98,532	6,581,762	66.8
7-8	0.000193	98,521	19	98,511	6,483,230	65.8
8-9	0.000161	98,502	16	98,494	6,384,719	64.8
9-10	0.000128	98,486	13	98,480	6,286,225	63.8
10-11	0.000107	98,473	11	98,468	6,187,746	62.8
11-12	0.000118	98,463	12	98,457	6,089,278	61.8
12-13	0.000183	98,451	18	98,442	5,990,821	60.9
13-14	0.000310	98,433	31	98,418	5,892,379	59.9
14-15	0.000481	98,402	47	98,379	5,793,961	58.9
15-16	0.000655	98,355	64	98,323	5,695,583	57.9
16-17	0.000822	98,291	81	98,250	5,597,260	56.9
17-18	0.001004	98,210	99	98,160	5,499,010	56.0
18-19	0.001206	98,111	118	98,052	5,400,849	55.0
19-20	0.001421	97,993	139	97,923	5,302,797	54.1
20-21	0.001654	97,854	162	97,773	5,204,874	53.2
21-22	0.001874	97,692	183	97,600	5,107,101	52.3
22-23	0.002041	97,509	199	97,409	5,009,501	51.4
23-24	0.002134	97,310	208	97,206	4,912,092	50.5
24-25	0.002168	97,102	211	96,997	4,814,886	49.6
25-26	0.002186	96,891	212	96,786	4,717,890	48.7
26-27	0.002212	96,680	214	96,573	4,621,104	47.8
27-28	0.002230	96,466	215	96,358	4,524,531	46.9
28-29	0.002245	96,251	216	96,143	4,428,173	46.0
29-30	0.002259	96,035	217	95,926	4,332,030	45.1
30-31	0.002267	95,818	217	95,709	4,236,104	44.2
31-32	0.002276	95,600	218	95,492	4,140,395	43.3
32-33	0.002300	95,383	219	95,273	4,044,904	42.4
33-34	0.002350	95,163	224	95,052	3,949,631	41.5
34-35	0.002426	94,940	230	94,825	3,854,579	40.6
35-36	0.002527	94,709	239	94,590	3,759,755	39.7
36-37	0.002646	94,470	250	94,345	3,665,165	38.8
37-38	0.002772	94,220	261	94,089	3,570,820	37.9
38-39	0.002896	93,959	272	93,823	3,476,730	37.0
39-40	0.003027	93,687	284	93,545	3,382,908	36.1
40-41	0.003179	93,403	297	93,255	3,289,363	35.2
41-42	0.003369	93,106	314	92,949	3,196,108	34.3
42-43	0.003607	92,793	335	92,625	3,103,159	33.4
43-44	0.003902	92,458	361	92,277	3,010,533	32.6
44-45	0.004251	92,097	392	91,901	2,918,256	31.7
45-46	0.004616	91,706	423	91,494	2,826,355	30.8
46-47	0.005016	91,282	458	91,053	2,734,861	30.0
47-48	0.005513	90,824	501	90,574	2,643,807	29.1
48-49	0.006129	90,324	554	90,047	2,553,233	28.3
49-50	0.006838	89,770	614	89,463	2,463,186	27.4
50-51	0.007586	89,156	676	88,818	2,373,723	26.6
51-52	0.008344	88,480	738	88,111	2,284,905	25.8
52-53	0.009145	87,742	802	87,340	2,196,794	25.0
53-54	0.010011	86,939	870	86,504	2,109,454	24.3
54-55	0.010959	86,069	943	85,597	2,022,950	23.5
55-56	0.011995	85,126	1,021	84,615	1,937,352	22.8
56-57	0.013107	84,105	1,102	83,553	1,852,737	22.0
57-58	0.014274	83,002	1,185	82,410	1,769,184	21.3
58-59	0.015455	81,817	1,264	81,185	1,686,774	20.6
59-60	0.016630	80,553	1,340	79,883	1,605,589	19.9
60-61	0.017888	79,213	1,417	78,505	1,525,705	19.3

See footnotes at end of table.

Table 17. Life table for non-Hispanic black males: United States, 2011—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table17.xlsx.

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
61–62	0.019207	77,796	1,494	77,049	1,447,201	18.6
62–63	0.020451	76,302	1,560	75,522	1,370,151	18.0
63–64	0.021595	74,742	1,614	73,935	1,294,629	17.3
64–65	0.022717	73,128	1,661	72,297	1,220,695	16.7
65–66	0.023933	71,466	1,710	70,611	1,148,398	16.1
66–67	0.025369	69,756	1,770	68,871	1,077,787	15.5
67–68	0.027104	67,986	1,843	67,065	1,008,915	14.8
68–69	0.029089	66,144	1,924	65,182	941,851	14.2
69–70	0.031191	64,220	2,003	63,218	876,669	13.7
70–71	0.033429	62,216	2,080	61,177	813,451	13.1
71–72	0.035780	60,137	2,152	59,061	752,274	12.5
72–73	0.038397	57,985	2,226	56,872	693,214	12.0
73–74	0.041254	55,759	2,300	54,608	636,342	11.4
74–75	0.044174	53,458	2,361	52,278	581,733	10.9
75–76	0.047704	51,097	2,438	49,878	529,456	10.4
76–77	0.051047	48,659	2,484	47,417	479,578	9.9
77–78	0.054624	46,175	2,522	44,914	432,161	9.4
78–79	0.059628	43,653	2,603	42,352	387,246	8.9
79–80	0.064976	41,050	2,667	39,716	344,895	8.4
80–81	0.070676	38,383	2,713	37,026	305,178	8.0
81–82	0.076651	35,670	2,734	34,303	268,152	7.5
82–83	0.085516	32,936	2,817	31,528	233,849	7.1
83–84	0.092664	30,119	2,791	28,724	202,321	6.7
84–85	0.100307	27,328	2,741	25,958	173,597	6.4
85–86	0.108460	24,587	2,667	23,254	147,639	6.0
86–87	0.117140	21,920	2,568	20,637	124,386	5.7
87–88	0.126357	19,353	2,445	18,130	103,749	5.4
88–89	0.136120	16,907	2,301	15,757	85,619	5.1
89–90	0.146432	14,606	2,139	13,537	69,862	4.8
90–91	0.157294	12,467	1,961	11,487	56,326	4.5
91–92	0.168701	10,506	1,772	9,620	44,839	4.3
92–93	0.180641	8,734	1,578	7,945	35,219	4.0
93–94	0.193099	7,156	1,382	6,465	27,274	3.8
94–95	0.206052	5,774	1,190	5,179	20,809	3.6
95–96	0.219470	4,584	1,006	4,081	15,630	3.4
96–97	0.233321	3,578	835	3,161	11,548	3.2
97–98	0.247561	2,743	679	2,404	8,388	3.1
98–99	0.262144	2,064	541	1,794	5,984	2.9
99–100	0.277019	1,523	422	1,312	4,190	2.8
100 and over	1.000000	1,101	1,101	2,878	2,878	2.6

NOTE: This life table is based on death rates that have been adjusted for race and ethnicity misclassification on death certificates.
SOURCE: CDC/NCHS, National Vital Statistics System.

Table 18. Life table for non-Hispanic black females: United States, 2011Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table18.xlsx.

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	0.010333	100,000	1,033	99,090	7,785,713	77.9
1-2	0.000616	98,967	61	98,936	7,686,623	77.7
2-3	0.000382	98,906	38	98,887	7,587,687	76.7
3-4	0.000246	98,868	24	98,856	7,488,800	75.7
4-5	0.000197	98,844	19	98,834	7,389,944	74.8
5-6	0.000199	98,824	20	98,814	7,291,110	73.8
6-7	0.000173	98,804	17	98,796	7,192,296	72.8
7-8	0.000153	98,787	15	98,780	7,093,500	71.8
8-9	0.000137	98,772	14	98,766	6,994,720	70.8
9-10	0.000126	98,759	12	98,753	6,895,955	69.8
10-11	0.000121	98,746	12	98,740	6,797,202	68.8
11-12	0.000124	98,734	12	98,728	6,698,462	67.8
12-13	0.000139	98,722	14	98,715	6,599,734	66.9
13-14	0.000165	98,708	16	98,700	6,501,018	65.9
14-15	0.000201	98,692	20	98,682	6,402,318	64.9
15-16	0.000240	98,672	24	98,660	6,303,636	63.9
16-17	0.000280	98,649	28	98,635	6,204,976	62.9
17-18	0.000325	98,621	32	98,605	6,106,341	61.9
18-19	0.000375	98,589	37	98,570	6,007,736	60.9
19-20	0.000428	98,552	42	98,531	5,909,166	60.0
20-21	0.000487	98,510	48	98,486	5,810,635	59.0
21-22	0.000546	98,462	54	98,435	5,712,149	58.0
22-23	0.000597	98,408	59	98,379	5,613,714	57.0
23-24	0.000639	98,349	63	98,318	5,515,336	56.1
24-25	0.000676	98,286	66	98,253	5,417,018	55.1
25-26	0.000714	98,220	70	98,185	5,318,765	54.2
26-27	0.000761	98,150	75	98,112	5,220,580	53.2
27-28	0.000819	98,075	80	98,035	5,122,468	52.2
28-29	0.000891	97,995	87	97,951	5,024,433	51.3
29-30	0.000971	97,908	95	97,860	4,926,481	50.3
30-31	0.001059	97,812	104	97,761	4,828,622	49.4
31-32	0.001147	97,709	112	97,653	4,730,861	48.4
32-33	0.001229	97,597	120	97,537	4,633,208	47.5
33-34	0.001303	97,477	127	97,413	4,535,671	46.5
34-35	0.001376	97,350	134	97,283	4,438,258	45.6
35-36	0.001459	97,216	142	97,145	4,340,975	44.7
36-37	0.001559	97,074	151	96,998	4,243,830	43.7
37-38	0.001673	96,923	162	96,842	4,146,832	42.8
38-39	0.001800	96,760	174	96,673	4,049,990	41.9
39-40	0.001938	96,586	187	96,493	3,953,317	40.9
40-41	0.002084	96,399	201	96,299	3,856,824	40.0
41-42	0.002247	96,198	216	96,090	3,760,526	39.1
42-43	0.002440	95,982	234	95,865	3,664,435	38.2
43-44	0.002669	95,748	256	95,620	3,568,570	37.3
44-45	0.002929	95,492	280	95,353	3,472,950	36.4
45-46	0.003199	95,213	305	95,060	3,377,598	35.5
46-47	0.003480	94,908	330	94,743	3,282,537	34.6
47-48	0.003792	94,578	359	94,399	3,187,794	33.7
48-49	0.004139	94,219	390	94,024	3,093,396	32.8
49-50	0.004515	93,829	424	93,617	2,999,371	32.0
50-51	0.004905	93,406	458	93,176	2,905,754	31.1
51-52	0.005303	92,947	493	92,701	2,812,578	30.3
52-53	0.005726	92,455	529	92,190	2,719,877	29.4
53-54	0.006189	91,925	569	91,641	2,627,687	28.6
54-55	0.006697	91,356	612	91,050	2,536,046	27.8
55-56	0.007255	90,744	658	90,415	2,444,996	26.9
56-57	0.007847	90,086	707	89,733	2,354,581	26.1
57-58	0.008451	89,379	755	89,001	2,264,848	25.3
58-59	0.009041	88,624	801	88,223	2,175,847	24.6
59-60	0.009619	87,823	845	87,400	2,087,623	23.8
60-61	0.010223	86,978	889	86,533	2,000,223	23.0

See footnotes at end of table.

Table 18. Life table for non-Hispanic black females: United States, 2011—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table18.xlsx.

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
61–62	0.010881	86,089	937	85,620	1,913,690	22.2
62–63	0.011592	85,152	987	84,658	1,828,070	21.5
63–64	0.012396	84,165	1,043	83,643	1,743,411	20.7
64–65	0.013333	83,122	1,108	82,567	1,659,768	20.0
65–66	0.014454	82,013	1,185	81,421	1,577,201	19.2
66–67	0.015755	80,828	1,273	80,191	1,495,780	18.5
67–68	0.017120	79,554	1,362	78,873	1,415,589	17.8
68–69	0.018445	78,192	1,442	77,471	1,336,716	17.1
69–70	0.019852	76,750	1,524	75,988	1,259,245	16.4
70–71	0.021273	75,226	1,600	74,426	1,183,257	15.7
71–72	0.022737	73,626	1,674	72,789	1,108,830	15.1
72–73	0.024430	71,952	1,758	71,073	1,036,041	14.4
73–74	0.026433	70,194	1,855	69,267	964,968	13.7
74–75	0.028992	68,339	1,981	67,348	895,701	13.1
75–76	0.031542	66,358	2,093	65,311	828,353	12.5
76–77	0.034066	64,264	2,189	63,170	763,042	11.9
77–78	0.037452	62,075	2,325	60,913	699,872	11.3
78–79	0.041213	59,750	2,462	58,519	638,960	10.7
79–80	0.045256	57,288	2,593	55,992	580,440	10.1
80–81	0.049784	54,695	2,723	53,334	524,449	9.6
81–82	0.054510	51,972	2,833	50,556	471,115	9.1
82–83	0.060046	49,139	2,951	47,664	420,559	8.6
83–84	0.066566	46,189	3,075	44,651	372,895	8.1
84–85	0.073065	43,114	3,150	41,539	328,244	7.6
85–86	0.080114	39,964	3,202	38,363	286,705	7.2
86–87	0.087742	36,762	3,226	35,149	248,342	6.8
87–88	0.095977	33,537	3,219	31,927	213,192	6.4
88–89	0.104846	30,318	3,179	28,729	181,265	6.0
89–90	0.114369	27,139	3,104	25,587	152,537	5.6
90–91	0.124566	24,035	2,994	22,538	126,949	5.3
91–92	0.135450	21,041	2,850	19,616	104,411	5.0
92–93	0.147026	18,191	2,675	16,854	84,795	4.7
93–94	0.159295	15,517	2,472	14,281	67,941	4.4
94–95	0.172248	13,045	2,247	11,921	53,660	4.1
95–96	0.185869	10,798	2,007	9,794	41,738	3.9
96–97	0.200131	8,791	1,759	7,911	31,944	3.6
97–98	0.214998	7,032	1,512	6,276	24,032	3.4
98–99	0.230423	5,520	1,272	4,884	17,757	3.2
99–100	0.246352	4,248	1,046	3,725	12,873	3.0
100 and over	1.000000	3,201	3,201	9,148	9,148	2.9

NOTE: This life table is based on death rates that have been adjusted for race and ethnicity misclassification on death certificates.
SOURCE: CDC/NCHS, National Vital Statistics System.