

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics: United States Life Tables, 2013. NVSR Volume 66, Number 3. 65 pp. (PHS) 2017-1120; downloaded from: [www.cdc.gov](http://www.cdc.gov) (19.12.2018).

**Table 17. Life table for non-Hispanic black males: United States, 2013**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/66\\_03/Table17.xlsx](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_03/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	0.011970	100,000	1,197	98,951	7,194,806	71.9
1-2	0.000682	98,803	67	98,769	7,095,855	71.8
2-3	0.000417	98,736	41	98,715	6,997,085	70.9
3-4	0.000277	98,694	27	98,681	6,898,370	69.9
4-5	0.000249	98,667	25	98,655	6,799,689	68.9
5-6	0.000236	98,642	23	98,631	6,701,035	67.9
6-7	0.000216	98,619	21	98,609	6,602,404	66.9
7-8	0.000192	98,598	19	98,588	6,503,795	66.0
8-9	0.000159	98,579	16	98,571	6,405,207	65.0
9-10	0.000119	98,563	12	98,557	6,306,636	64.0
10-11	0.000087	98,552	9	98,547	6,208,078	63.0
11-12	0.000086	98,543	8	98,539	6,109,531	62.0
12-13	0.000140	98,535	14	98,528	6,010,992	61.0
13-14	0.000265	98,521	26	98,508	5,912,465	60.0
14-15	0.000442	98,495	44	98,473	5,813,957	59.0
15-16	0.000627	98,451	62	98,420	5,715,484	58.1
16-17	0.000808	98,389	80	98,350	5,617,064	57.1
17-18	0.001007	98,310	99	98,260	5,518,714	56.1
18-19	0.001217	98,211	119	98,151	5,420,454	55.2
19-20	0.001419	98,091	139	98,022	5,322,303	54.3
20-21	0.001621	97,952	159	97,873	5,224,281	53.3
21-22	0.001800	97,793	176	97,705	5,126,409	52.4
22-23	0.001928	97,617	188	97,523	5,028,703	51.5
23-24	0.002002	97,429	195	97,332	4,931,180	50.6
24-25	0.002036	97,234	198	97,135	4,833,849	49.7
25-26	0.002058	97,036	200	96,936	4,736,714	48.8
26-27	0.002090	96,836	202	96,735	4,639,778	47.9
27-28	0.002127	96,634	206	96,531	4,543,042	47.0
28-29	0.002179	96,428	210	96,323	4,446,511	46.1
29-30	0.002239	96,218	215	96,111	4,350,188	45.2
30-31	0.002297	96,003	221	95,893	4,254,077	44.3
31-32	0.002354	95,782	225	95,670	4,158,185	43.4
32-33	0.002416	95,557	231	95,441	4,062,515	42.5
33-34	0.002489	95,326	237	95,207	3,967,074	41.6
34-35	0.002576	95,089	245	94,966	3,871,866	40.7
35-36	0.002687	94,844	255	94,716	3,776,900	39.8
36-37	0.002814	94,589	266	94,456	3,682,183	38.9
37-38	0.002940	94,323	277	94,184	3,587,727	38.0
38-39	0.003050	94,046	287	93,902	3,493,543	37.1
39-40	0.003155	93,759	296	93,611	3,399,641	36.3
40-41	0.003270	93,463	306	93,310	3,306,030	35.4
41-42	0.003422	93,157	319	92,998	3,212,720	34.5
42-43	0.003626	92,838	337	92,670	3,119,723	33.6
43-44	0.003901	92,502	361	92,321	3,027,052	32.7
44-45	0.004243	92,141	391	91,945	2,934,731	31.9
45-46	0.004629	91,750	425	91,538	2,842,786	31.0
46-47	0.005049	91,325	461	91,095	2,751,248	30.1
47-48	0.005513	90,864	501	90,614	2,660,153	29.3
48-49	0.006014	90,363	543	90,092	2,569,539	28.4
49-50	0.006547	89,820	588	89,526	2,479,448	27.6
50-51	0.007077	89,232	632	88,916	2,389,922	26.8
51-52	0.007649	88,600	678	88,261	2,301,006	26.0
52-53	0.008351	87,923	734	87,555	2,212,745	25.2
53-54	0.009239	87,188	806	86,786	2,125,189	24.4
54-55	0.010290	86,383	889	85,938	2,038,404	23.6
55-56	0.011434	85,494	978	85,005	1,952,465	22.8
56-57	0.012597	84,516	1,065	83,984	1,867,460	22.1
57-58	0.013794	83,452	1,151	82,876	1,783,476	21.4
58-59	0.015004	82,301	1,235	81,683	1,700,600	20.7
59-60	0.016242	81,066	1,317	80,407	1,618,917	20.0
60-61	0.017626	79,749	1,406	79,046	1,538,510	19.3

See footnotes at end of table.

**Table 17. Life table for non-Hispanic black males: United States, 2013—Con.**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/66\\_03/Table17.xlsx](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_03/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	0.019116	78,343	1,498	77,595	1,459,463	18.6
62–63	0.020515	76,846	1,577	76,057	1,381,869	18.0
63–64	0.021711	75,269	1,634	74,452	1,305,811	17.3
64–65	0.022752	73,635	1,675	72,797	1,231,359	16.7
65–66	0.023781	71,960	1,711	71,104	1,158,562	16.1
66–67	0.024980	70,249	1,755	69,371	1,087,458	15.5
67–68	0.026459	68,494	1,812	67,588	1,018,087	14.9
68–69	0.028343	66,681	1,890	65,736	950,499	14.3
69–70	0.030543	64,791	1,979	63,802	884,763	13.7
70–71	0.032969	62,813	2,071	61,777	820,961	13.1
71–72	0.035613	60,742	2,163	59,660	759,183	12.5
72–73	0.038414	58,579	2,250	57,453	699,523	11.9
73–74	0.041345	56,328	2,329	55,164	642,070	11.4
74–75	0.044290	53,999	2,392	52,804	586,906	10.9
75–76	0.047463	51,608	2,449	50,383	534,102	10.3
76–77	0.051698	49,158	2,541	47,888	483,719	9.8
77–78	0.055793	46,617	2,601	45,317	435,831	9.3
78–79	0.060010	44,016	2,641	42,695	390,515	8.9
79–80	0.065180	41,375	2,697	40,026	347,819	8.4
80–81	0.070315	38,678	2,720	37,318	307,793	8.0
81–82	0.075707	35,958	2,722	34,597	270,475	7.5
82–83	0.082185	33,236	2,731	31,870	235,878	7.1
83–84	0.090487	30,504	2,760	29,124	204,008	6.7
84–85	0.098605	27,744	2,736	26,376	174,883	6.3
85–86	0.107316	25,009	2,684	23,667	148,507	5.9
86–87	0.116638	22,325	2,604	21,023	124,840	5.6
87–88	0.126587	19,721	2,496	18,473	103,818	5.3
88–89	0.137173	17,224	2,363	16,043	85,345	5.0
89–90	0.148401	14,862	2,205	13,759	69,302	4.7
90–91	0.160270	12,656	2,028	11,642	55,543	4.4
91–92	0.172772	10,628	1,836	9,710	43,901	4.1
92–93	0.185890	8,792	1,634	7,974	34,191	3.9
93–94	0.199603	7,157	1,429	6,443	26,217	3.7
94–95	0.213877	5,729	1,225	5,116	19,774	3.5
95–96	0.228671	4,503	1,030	3,989	14,658	3.3
96–97	0.243938	3,474	847	3,050	10,669	3.1
97–98	0.259620	2,626	682	2,285	7,619	2.9
98–99	0.275653	1,944	536	1,676	5,334	2.7
99–100	0.291966	1,408	411	1,203	3,658	2.6
100 and over	1.000000	997	997	2,455	2,455	2.5

NOTE: This life table is based on death rates that have been adjusted for race and ethnicity misclassification on death certificates. Updated classification ratios were applied; see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Mortality.

**Table 18. Life table for non-Hispanic black females: United States, 2013**Spreadsheet version available from: [http://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/66\\_03/Table18.xlsx](http://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_03/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	0.010227	100,000	1,023	99,102	7,808,896	78.1
1-2	0.000591	98,977	59	98,948	7,709,794	77.9
2-3	0.000331	98,919	33	98,902	7,610,846	76.9
3-4	0.000256	98,886	25	98,873	7,511,944	76.0
4-5	0.000242	98,861	24	98,849	7,413,070	75.0
5-6	0.000208	98,837	21	98,827	7,314,221	74.0
6-7	0.000183	98,816	18	98,807	7,215,395	73.0
7-8	0.000163	98,798	16	98,790	7,116,587	72.0
8-9	0.000146	98,782	14	98,775	7,017,797	71.0
9-10	0.000134	98,768	13	98,761	6,919,022	70.1
10-11	0.000127	98,755	13	98,748	6,820,261	69.1
11-12	0.000128	98,742	13	98,736	6,721,513	68.1
12-13	0.000138	98,729	14	98,723	6,622,777	67.1
13-14	0.000158	98,716	16	98,708	6,524,055	66.1
14-15	0.000188	98,700	19	98,691	6,425,347	65.1
15-16	0.000221	98,682	22	98,671	6,326,656	64.1
16-17	0.000258	98,660	25	98,647	6,227,985	63.1
17-18	0.000304	98,634	30	98,619	6,129,338	62.1
18-19	0.000358	98,604	35	98,587	6,030,719	61.2
19-20	0.000416	98,569	41	98,548	5,932,133	60.2
20-21	0.000475	98,528	47	98,504	5,833,584	59.2
21-22	0.000530	98,481	52	98,455	5,735,080	58.2
22-23	0.000578	98,429	57	98,400	5,636,625	57.3
23-24	0.000620	98,372	61	98,342	5,538,224	56.3
24-25	0.000662	98,311	65	98,278	5,439,883	55.3
25-26	0.000709	98,246	70	98,211	5,341,604	54.4
26-27	0.000764	98,176	75	98,139	5,243,393	53.4
27-28	0.000823	98,101	81	98,061	5,145,254	52.4
28-29	0.000881	98,020	86	97,977	5,047,194	51.5
29-30	0.000936	97,934	92	97,888	4,949,216	50.5
30-31	0.000993	97,842	97	97,794	4,851,328	49.6
31-32	0.001055	97,745	103	97,694	4,753,534	48.6
32-33	0.001121	97,642	109	97,587	4,655,841	47.7
33-34	0.001192	97,533	116	97,475	4,558,253	46.7
34-35	0.001275	97,416	124	97,354	4,460,779	45.8
35-36	0.001372	97,292	134	97,225	4,363,424	44.8
36-37	0.001484	97,159	144	97,087	4,266,199	43.9
37-38	0.001606	97,014	156	96,937	4,169,112	43.0
38-39	0.001731	96,859	168	96,775	4,072,176	42.0
39-40	0.001860	96,691	180	96,601	3,975,401	41.1
40-41	0.001998	96,511	193	96,415	3,878,800	40.2
41-42	0.002153	96,318	207	96,215	3,782,385	39.3
42-43	0.002328	96,111	224	95,999	3,686,170	38.4
43-44	0.002531	95,887	243	95,766	3,590,171	37.4
44-45	0.002766	95,644	265	95,512	3,494,406	36.5
45-46	0.003017	95,380	288	95,236	3,398,893	35.6
46-47	0.003291	95,092	313	94,936	3,303,657	34.7
47-48	0.003615	94,779	343	94,608	3,208,722	33.9
48-49	0.003992	94,437	377	94,248	3,114,114	33.0
49-50	0.004404	94,060	414	93,852	3,019,866	32.1
50-51	0.004824	93,645	452	93,419	2,926,013	31.2
51-52	0.005247	93,194	489	92,949	2,832,594	30.4
52-53	0.005690	92,705	527	92,441	2,739,645	29.6
53-54	0.006165	92,177	568	91,893	2,647,204	28.7
54-55	0.006676	91,609	612	91,303	2,555,311	27.9
55-56	0.007217	90,997	657	90,669	2,464,008	27.1
56-57	0.007779	90,340	703	89,989	2,373,340	26.3
57-58	0.008369	89,638	750	89,263	2,283,351	25.5
58-59	0.008990	88,887	799	88,488	2,194,088	24.7
59-60	0.009645	88,088	850	87,664	2,105,600	23.9
60-61	0.010368	87,239	904	86,787	2,017,937	23.1

See footnotes at end of table.

**Table 18. Life table for non-Hispanic black females: United States, 2013—Con.**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/66\\_03/Table18.xlsx](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_03/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	0.011141	86,334	962	85,853	1,931,150	22.4
62–63	0.011910	85,372	1,017	84,864	1,845,297	21.6
63–64	0.012651	84,356	1,067	83,822	1,760,433	20.9
64–65	0.013396	83,288	1,116	82,731	1,676,611	20.1
65–66	0.014206	82,173	1,167	81,589	1,593,880	19.4
66–67	0.015134	81,005	1,226	80,392	1,512,291	18.7
67–68	0.016241	79,779	1,296	79,132	1,431,899	17.9
68–69	0.017555	78,484	1,378	77,795	1,352,767	17.2
69–70	0.019021	77,106	1,467	76,373	1,274,972	16.5
70–71	0.020672	75,639	1,564	74,858	1,198,599	15.8
71–72	0.022431	74,076	1,662	73,245	1,123,742	15.2
72–73	0.024258	72,414	1,757	71,536	1,050,497	14.5
73–74	0.026249	70,658	1,855	69,730	978,961	13.9
74–75	0.028538	68,803	1,963	67,821	909,231	13.2
75–76	0.030721	66,839	2,053	65,813	841,409	12.6
76–77	0.033169	64,786	2,149	63,712	775,597	12.0
77–78	0.036307	62,637	2,274	61,500	711,885	11.4
78–79	0.039878	60,363	2,407	59,159	650,385	10.8
79–80	0.044226	57,956	2,563	56,674	591,225	10.2
80–81	0.049342	55,393	2,733	54,026	534,551	9.7
81–82	0.053719	52,660	2,829	51,245	480,525	9.1
82–83	0.058698	49,831	2,925	48,368	429,280	8.6
83–84	0.064718	46,906	3,036	45,388	380,911	8.1
84–85	0.072479	43,870	3,180	42,280	335,523	7.6
85–86	0.079492	40,690	3,235	39,073	293,243	7.2
86–87	0.087085	37,456	3,262	35,825	254,170	6.8
87–88	0.095284	34,194	3,258	32,565	218,345	6.4
88–89	0.104117	30,936	3,221	29,325	185,780	6.0
89–90	0.113606	27,715	3,149	26,141	156,455	5.6
90–91	0.123769	24,566	3,041	23,046	130,314	5.3
91–92	0.134621	21,526	2,898	20,077	107,268	5.0
92–93	0.146167	18,628	2,723	17,267	87,191	4.7
93–94	0.158409	15,905	2,520	14,645	69,924	4.4
94–95	0.171339	13,386	2,293	12,239	55,279	4.1
95–96	0.184941	11,092	2,051	10,066	43,040	3.9
96–97	0.199187	9,041	1,801	8,140	32,974	3.6
97–98	0.214044	7,240	1,550	6,465	24,833	3.4
98–99	0.229465	5,690	1,306	5,037	18,368	3.2
99–100	0.245394	4,385	1,076	3,847	13,331	3.0
100 and over	1.000000	3,309	3,309	9,484	9,484	2.9

NOTE: This life table is based on death rates that have been adjusted for race and ethnicity misclassification on death certificates. Updated classification ratios were applied; see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Mortality.