

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics: United States Life Tables, 2012. NVSR Volume 65, Number 8. 65 pp. (PHS) 2017-1120; downloaded from: [www.cdc.gov](http://www.cdc.gov) (19.12.2018).

**Table 8. Life table for black males: United States, 2012**Spreadsheet version available from: [ftp://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/65\\_08/Table08.xlsx](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/65_08/Table08.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	0.012334	100,000	1,233	98,912	7,228,803	72.3
1-2	0.000605	98,767	60	98,737	7,129,891	72.2
2-3	0.000457	98,707	45	98,684	7,031,154	71.2
3-4	0.000309	98,662	30	98,647	6,932,470	70.3
4-5	0.000299	98,631	29	98,617	6,833,823	69.3
5-6	0.000246	98,602	24	98,590	6,735,207	68.3
6-7	0.000216	98,578	21	98,567	6,636,617	67.3
7-8	0.000190	98,556	19	98,547	6,538,050	66.3
8-9	0.000162	98,537	16	98,530	6,439,503	65.4
9-10	0.000133	98,522	13	98,515	6,340,974	64.4
10-11	0.000115	98,508	11	98,503	6,242,459	63.4
11-12	0.000124	98,497	12	98,491	6,143,956	62.4
12-13	0.000182	98,485	18	98,476	6,045,465	61.4
13-14	0.000298	98,467	29	98,452	5,946,989	60.4
14-15	0.000456	98,438	45	98,415	5,848,536	59.4
15-16	0.000619	98,393	61	98,362	5,750,121	58.4
16-17	0.000780	98,332	77	98,294	5,651,759	57.5
17-18	0.000956	98,255	94	98,208	5,553,465	56.5
18-19	0.001147	98,161	113	98,105	5,455,257	55.6
19-20	0.001338	98,049	131	97,983	5,357,152	54.6
20-21	0.001537	97,918	151	97,842	5,259,168	53.7
21-22	0.001717	97,767	168	97,683	5,161,326	52.8
22-23	0.001847	97,599	180	97,509	5,063,643	51.9
23-24	0.001916	97,419	187	97,326	4,966,134	51.0
24-25	0.001941	97,232	189	97,138	4,868,808	50.1
25-26	0.001949	97,044	189	96,949	4,771,670	49.2
26-27	0.001966	96,854	190	96,759	4,674,721	48.3
27-28	0.001992	96,664	193	96,568	4,577,962	47.4
28-29	0.002036	96,471	196	96,373	4,481,395	46.5
29-30	0.002094	96,275	202	96,174	4,385,022	45.5
30-31	0.002152	96,073	207	95,970	4,288,847	44.6
31-32	0.002206	95,867	211	95,761	4,192,877	43.7
32-33	0.002257	95,655	216	95,547	4,097,116	42.8
33-34	0.002308	95,439	220	95,329	4,001,569	41.9
34-35	0.002364	95,219	225	95,106	3,906,240	41.0
35-36	0.002438	94,994	232	94,878	3,811,134	40.1
36-37	0.002531	94,762	240	94,642	3,716,256	39.2
37-38	0.002636	94,522	249	94,398	3,621,613	38.3
38-39	0.002748	94,273	259	94,144	3,527,216	37.4
39-40	0.002870	94,014	270	93,879	3,433,072	36.5
40-41	0.003012	93,744	282	93,603	3,339,193	35.6
41-42	0.003185	93,462	298	93,313	3,245,590	34.7
42-43	0.003398	93,164	317	93,006	3,152,277	33.8
43-44	0.003662	92,848	340	92,678	3,059,271	32.9
44-45	0.003980	92,508	368	92,324	2,966,593	32.1
45-46	0.004321	92,140	398	91,940	2,874,269	31.2
46-47	0.004704	91,741	432	91,526	2,782,329	30.3
47-48	0.005178	91,310	473	91,073	2,690,803	29.5
48-49	0.005757	90,837	523	90,576	2,599,730	28.6
49-50	0.006417	90,314	580	90,024	2,509,155	27.8
50-51	0.007101	89,735	637	89,416	2,419,130	27.0
51-52	0.007801	89,097	695	88,750	2,329,714	26.1
52-53	0.008563	88,402	757	88,024	2,240,965	25.3
53-54	0.009414	87,645	825	87,233	2,152,941	24.6
54-55	0.010358	86,820	899	86,371	2,065,708	23.8
55-56	0.011383	85,921	978	85,432	1,979,338	23.0
56-57	0.012455	84,943	1,058	84,414	1,893,906	22.3
57-58	0.013560	83,885	1,138	83,316	1,809,492	21.6
58-59	0.014671	82,747	1,214	82,140	1,726,176	20.9
59-60	0.015792	81,533	1,288	80,890	1,644,035	20.2
60-61	0.017014	80,246	1,365	79,563	1,563,146	19.5

See footnote at end of table.

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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	0.018321	78,881	1,445	78,158	1,483,583	18.8
62–63	0.019592	77,435	1,517	76,677	1,405,425	18.1
63–64	0.020776	75,918	1,577	75,130	1,328,748	17.5
64–65	0.021923	74,341	1,630	73,526	1,253,618	16.9
65–66	0.023146	72,711	1,683	71,870	1,180,092	16.2
66–67	0.024581	71,028	1,746	70,155	1,108,223	15.6
67–68	0.026260	69,282	1,819	68,373	1,038,067	15.0
68–69	0.028094	67,463	1,895	66,515	969,695	14.4
69–70	0.030051	65,568	1,970	64,582	903,179	13.8
70–71	0.032364	63,597	2,058	62,568	838,597	13.2
71–72	0.034767	61,539	2,140	60,469	776,029	12.6
72–73	0.037197	59,399	2,209	58,295	715,560	12.0
73–74	0.040041	57,190	2,290	56,045	657,265	11.5
74–75	0.043065	54,900	2,364	53,718	601,220	11.0
75–76	0.046484	52,536	2,442	51,315	547,502	10.4
76–77	0.050468	50,094	2,528	48,830	496,187	9.9
77–78	0.054683	47,566	2,601	46,265	447,358	9.4
78–79	0.059636	44,964	2,681	43,624	401,093	8.9
79–80	0.064576	42,283	2,730	40,918	357,469	8.5
80–81	0.070126	39,553	2,774	38,166	316,551	8.0
81–82	0.076983	36,779	2,831	35,363	278,386	7.6
82–83	0.083475	33,948	2,834	32,531	243,022	7.2
83–84	0.090299	31,114	2,810	29,709	210,492	6.8
84–85	0.098099	28,304	2,777	26,916	180,783	6.4
85–86	0.106448	25,528	2,717	24,169	153,867	6.0
86–87	0.115364	22,810	2,631	21,495	129,698	5.7
87–88	0.124859	20,179	2,520	18,919	108,203	5.4
88–89	0.134945	17,659	2,383	16,468	89,284	5.1
89–90	0.145627	15,276	2,225	14,164	72,817	4.8
90–91	0.156905	13,052	2,048	12,028	58,653	4.5
91–92	0.168773	11,004	1,857	10,075	46,625	4.2
92–93	0.181220	9,147	1,658	8,318	36,550	4.0
93–94	0.194226	7,489	1,455	6,762	28,232	3.8
94–95	0.207767	6,034	1,254	5,408	21,470	3.6
95–96	0.221809	4,781	1,060	4,251	16,063	3.4
96–97	0.236310	3,720	879	3,281	11,812	3.2
97–98	0.251225	2,841	714	2,484	8,531	3.0
98–99	0.266498	2,127	567	1,844	6,047	2.8
99–100	0.282068	1,560	440	1,340	4,203	2.7
100 and over	1.000000	1,120	1,120	2,863	2,863	2.6

SOURCE: NCHS, National Vital Statistics System, Mortality.

**Table 9. Life table for black females: United States, 2012**Spreadsheet version available from: [http://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/65\\_08/Table09.xlsx](http://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/65_08/Table09.xlsx).

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	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
0-1	0.010015	100,000	1,001	99,129	7,840,201	78.4
1-2	0.000536	98,999	53	98,972	7,741,073	78.2
2-3	0.000305	98,945	30	98,930	7,642,101	77.2
3-4	0.000277	98,915	27	98,902	7,543,170	76.3
4-5	0.000206	98,888	20	98,878	7,444,269	75.3
5-6	0.000181	98,867	18	98,858	7,345,391	74.3
6-7	0.000153	98,850	15	98,842	7,246,533	73.3
7-8	0.000132	98,834	13	98,828	7,147,691	72.3
8-9	0.000119	98,821	12	98,815	7,048,863	71.3
9-10	0.000111	98,810	11	98,804	6,950,048	70.3
10-11	0.000111	98,799	11	98,793	6,851,243	69.3
11-12	0.000118	98,788	12	98,782	6,752,450	68.4
12-13	0.000133	98,776	13	98,769	6,653,669	67.4
13-14	0.000156	98,763	15	98,755	6,554,899	66.4
14-15	0.000186	98,747	18	98,738	6,456,144	65.4
15-16	0.000218	98,729	22	98,718	6,357,406	64.4
16-17	0.000254	98,707	25	98,695	6,258,688	63.4
17-18	0.000298	98,682	29	98,668	6,159,993	62.4
18-19	0.000350	98,653	35	98,636	6,061,326	61.4
19-20	0.000406	98,618	40	98,598	5,962,690	60.5
20-21	0.000465	98,578	46	98,555	5,864,092	59.5
21-22	0.000520	98,532	51	98,507	5,765,536	58.5
22-23	0.000566	98,481	56	98,453	5,667,029	57.5
23-24	0.000603	98,425	59	98,396	5,568,576	56.6
24-25	0.000636	98,366	63	98,335	5,470,180	55.6
25-26	0.000672	98,304	66	98,271	5,371,845	54.6
26-27	0.000715	98,238	70	98,202	5,273,575	53.7
27-28	0.000761	98,167	75	98,130	5,175,372	52.7
28-29	0.000808	98,093	79	98,053	5,077,243	51.8
29-30	0.000854	98,013	84	97,972	4,979,190	50.8
30-31	0.000902	97,930	88	97,886	4,881,218	49.8
31-32	0.000955	97,841	93	97,795	4,783,333	48.9
32-33	0.001019	97,748	100	97,698	4,685,538	47.9
33-34	0.001099	97,648	107	97,595	4,587,840	47.0
34-35	0.001196	97,541	117	97,483	4,490,245	46.0
35-36	0.001313	97,424	128	97,360	4,392,763	45.1
36-37	0.001442	97,296	140	97,226	4,295,402	44.1
37-38	0.001572	97,156	153	97,080	4,198,176	43.2
38-39	0.001691	97,003	164	96,921	4,101,096	42.3
39-40	0.001804	96,839	175	96,752	4,004,175	41.3
40-41	0.001921	96,665	186	96,572	3,907,423	40.4
41-42	0.002060	96,479	199	96,380	3,810,851	39.5
42-43	0.002232	96,280	215	96,173	3,714,472	38.6
43-44	0.002447	96,065	235	95,948	3,618,299	37.7
44-45	0.002703	95,830	259	95,701	3,522,351	36.8
45-46	0.002972	95,571	284	95,429	3,426,651	35.9
46-47	0.003256	95,287	310	95,132	3,331,222	35.0
47-48	0.003578	94,977	340	94,807	3,236,090	34.1
48-49	0.003942	94,637	373	94,451	3,141,283	33.2
49-50	0.004335	94,264	409	94,060	3,046,832	32.3
50-51	0.004739	93,855	445	93,633	2,952,772	31.5
51-52	0.005149	93,411	481	93,170	2,859,139	30.6
52-53	0.005577	92,930	518	92,671	2,765,969	29.8
53-54	0.006032	92,411	557	92,133	2,673,299	28.9
54-55	0.006520	91,854	599	91,555	2,581,166	28.1
55-56	0.007043	91,255	643	90,934	2,489,612	27.3
56-57	0.007590	90,612	688	90,268	2,398,678	26.5
57-58	0.008146	89,925	732	89,558	2,308,409	25.7
58-59	0.008699	89,192	776	88,804	2,218,851	24.9
59-60	0.009258	88,416	819	88,007	2,130,047	24.1
60-61	0.009861	87,598	864	87,166	2,042,040	23.3

See footnote at end of table.

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	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
61–62	0.010515	86,734	912	86,278	1,954,874	22.5
62–63	0.011190	85,822	960	85,342	1,868,596	21.8
63–64	0.011890	84,861	1,009	84,357	1,783,254	21.0
64–65	0.012645	83,853	1,060	83,322	1,698,897	20.3
65–66	0.013493	82,792	1,117	82,234	1,615,575	19.5
66–67	0.014489	81,675	1,183	81,083	1,533,342	18.8
67–68	0.015694	80,492	1,263	79,860	1,452,258	18.0
68–69	0.017023	79,228	1,349	78,554	1,372,398	17.3
69–70	0.018544	77,880	1,444	77,158	1,293,844	16.6
70–71	0.020373	76,435	1,557	75,657	1,216,686	15.9
71–72	0.022261	74,878	1,667	74,045	1,141,030	15.2
72–73	0.024077	73,211	1,763	72,330	1,066,985	14.6
73–74	0.025952	71,449	1,854	70,522	994,655	13.9
74–75	0.028022	69,594	1,950	68,619	924,133	13.3
75–76	0.030211	67,644	2,044	66,622	855,514	12.6
76–77	0.032900	65,601	2,158	64,521	788,891	12.0
77–78	0.035697	63,442	2,265	62,310	724,370	11.4
78–79	0.039140	61,178	2,395	59,980	662,060	10.8
79–80	0.043686	58,783	2,568	57,499	602,080	10.2
80–81	0.047830	56,215	2,689	54,871	544,581	9.7
81–82	0.052167	53,526	2,792	52,130	489,710	9.1
82–83	0.057324	50,734	2,908	49,280	437,580	8.6
83–84	0.063255	47,826	3,025	46,313	388,300	8.1
84–85	0.071270	44,801	3,193	43,204	341,987	7.6
85–86	0.078471	41,608	3,265	39,975	298,782	7.2
86–87	0.086295	38,343	3,309	36,688	258,807	6.7
87–88	0.094774	35,034	3,320	33,374	222,119	6.3
88–89	0.103936	31,714	3,296	30,065	188,745	6.0
89–90	0.113808	28,417	3,234	26,800	158,680	5.6
90–91	0.124410	25,183	3,133	23,617	131,880	5.2
91–92	0.135758	22,050	2,993	20,553	108,263	4.9
92–93	0.147858	19,057	2,818	17,648	87,710	4.6
93–94	0.160710	16,239	2,610	14,934	70,062	4.3
94–95	0.174304	13,629	2,376	12,441	55,128	4.0
95–96	0.188619	11,254	2,123	10,192	42,686	3.8
96–97	0.203623	9,131	1,859	8,201	32,494	3.6
97–98	0.219274	7,272	1,594	6,474	24,292	3.3
98–99	0.235516	5,677	1,337	5,009	17,818	3.1
99–100	0.252282	4,340	1,095	3,793	12,809	3.0
100 and over	1.000000	3,245	3,245	9,017	9,017	2.8

SOURCE: NCHS, National Vital Statistics System, Mortality.