

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics: United States Life Tables, 2015. NVSR Volume 67, Number 7. 64pp. (PHS) 2019-1120; downloaded from: [www.cdc.gov](http://www.cdc.gov) (19.12.2018).

**Table 8. Life table for black males: United States, 2015**Spreadsheet version available from: [https://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/67\\_07/Table08.xlsx](https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/67_07/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	0.012403	100,000	1,240	98,920	7,224,187	72.2
1-2	0.000775	98,760	77	98,721	7,125,267	72.1
2-3	0.000437	98,683	43	98,662	7,026,546	71.2
3-4	0.000346	98,640	34	98,623	6,927,884	70.2
4-5	0.000261	98,606	26	98,593	6,829,261	69.3
5-6	0.000244	98,580	24	98,568	6,730,668	68.3
6-7	0.000214	98,556	21	98,546	6,632,100	67.3
7-8	0.000187	98,535	18	98,526	6,533,555	66.3
8-9	0.000158	98,517	16	98,509	6,435,029	65.3
9-10	0.000128	98,501	13	98,495	6,336,520	64.3
10-11	0.000109	98,488	11	98,483	6,238,025	63.3
11-12	0.000119	98,478	12	98,472	6,139,542	62.3
12-13	0.000178	98,466	18	98,457	6,041,070	61.4
13-14	0.000298	98,448	29	98,434	5,942,613	60.4
14-15	0.000465	98,419	46	98,396	5,844,179	59.4
15-16	0.000639	98,373	63	98,342	5,745,783	58.4
16-17	0.000814	98,310	80	98,270	5,647,441	57.4
17-18	0.001014	98,230	100	98,181	5,549,171	56.5
18-19	0.001233	98,131	121	98,070	5,450,990	55.5
19-20	0.001449	98,010	142	97,939	5,352,920	54.6
20-21	0.001664	97,868	163	97,786	5,254,981	53.7
21-22	0.001852	97,705	181	97,614	5,157,195	52.8
22-23	0.001987	97,524	194	97,427	5,059,580	51.9
23-24	0.002061	97,330	201	97,230	4,962,153	51.0
24-25	0.002092	97,130	203	97,028	4,864,924	50.1
25-26	0.002110	96,926	204	96,824	4,767,896	49.2
26-27	0.002134	96,722	206	96,619	4,671,072	48.3
27-28	0.002162	96,515	209	96,411	4,574,453	47.4
28-29	0.002201	96,307	212	96,201	4,478,042	46.5
29-30	0.002251	96,095	216	95,987	4,381,841	45.6
30-31	0.002300	95,878	221	95,768	4,285,855	44.7
31-32	0.002350	95,658	225	95,545	4,190,087	43.8
32-33	0.002412	95,433	230	95,318	4,094,541	42.9
33-34	0.002491	95,203	237	95,084	3,999,223	42.0
34-35	0.002584	94,966	245	94,843	3,904,139	41.1
35-36	0.002694	94,720	255	94,593	3,809,296	40.2
36-37	0.002811	94,465	266	94,332	3,714,703	39.3
37-38	0.002923	94,200	275	94,062	3,620,371	38.4
38-39	0.003023	93,924	284	93,782	3,526,309	37.5
39-40	0.003123	93,640	292	93,494	3,432,527	36.7
40-41	0.003246	93,348	303	93,196	3,339,033	35.8
41-42	0.003405	93,045	317	92,886	3,245,837	34.9
42-43	0.003586	92,728	333	92,562	3,152,950	34.0
43-44	0.003793	92,395	350	92,220	3,060,388	33.1
44-45	0.004034	92,045	371	91,859	2,968,168	32.2
45-46	0.004298	91,674	394	91,477	2,876,309	31.4
46-47	0.004616	91,280	421	91,069	2,784,832	30.5
47-48	0.005034	90,858	457	90,630	2,693,763	29.6
48-49	0.005569	90,401	503	90,149	2,603,134	28.8
49-50	0.006192	89,897	557	89,619	2,512,985	28.0
50-51	0.006838	89,341	611	89,035	2,423,365	27.1
51-52	0.007501	88,730	666	88,397	2,334,330	26.3
52-53	0.008234	88,064	725	87,702	2,245,933	25.5
53-54	0.009061	87,339	791	86,944	2,158,231	24.7
54-55	0.009974	86,548	863	86,116	2,071,288	23.9
55-56	0.010924	85,685	936	85,217	1,985,171	23.2
56-57	0.011901	84,749	1,009	84,244	1,899,955	22.4
57-58	0.012971	83,740	1,086	83,197	1,815,711	21.7
58-59	0.014175	82,654	1,172	82,068	1,732,514	21.0
59-60	0.015518	81,482	1,264	80,850	1,650,445	20.3
60-61	0.017050	80,218	1,368	79,534	1,569,595	19.6

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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	0.018673	78,850	1,472	78,114	1,490,061	18.9
62–63	0.020196	77,378	1,563	76,596	1,411,947	18.2
63–64	0.021452	75,815	1,626	75,002	1,335,351	17.6
64–65	0.022478	74,189	1,668	73,355	1,260,349	17.0
65–66	0.023464	72,521	1,702	71,670	1,186,994	16.4
66–67	0.024623	70,820	1,744	69,948	1,115,324	15.7
67–68	0.025942	69,076	1,792	68,180	1,045,376	15.1
68–69	0.027520	67,284	1,852	66,358	977,196	14.5
69–70	0.029441	65,432	1,926	64,469	910,838	13.9
70–71	0.031797	63,506	2,019	62,496	846,369	13.3
71–72	0.034416	61,486	2,116	60,428	783,873	12.7
72–73	0.037097	59,370	2,202	58,269	723,445	12.2
73–74	0.039968	57,168	2,285	56,025	665,176	11.6
74–75	0.043072	54,883	2,364	53,701	609,150	11.1
75–76	0.046420	52,519	2,438	51,300	555,449	10.6
76–77	0.049814	50,081	2,495	48,834	504,149	10.1
77–78	0.053481	47,586	2,545	46,314	455,316	9.6
78–79	0.058054	45,041	2,615	43,734	409,002	9.1
79–80	0.062943	42,427	2,670	41,091	365,268	8.6
80–81	0.068451	39,756	2,721	38,395	324,176	8.2
81–82	0.074066	37,035	2,743	35,663	285,781	7.7
82–83	0.079750	34,292	2,735	32,924	250,118	7.3
83–84	0.085560	31,557	2,700	30,207	217,193	6.9
84–85	0.093624	28,857	2,702	27,506	186,986	6.5
85–86	0.101609	26,155	2,658	24,826	159,480	6.1
86–87	0.110981	23,498	2,608	22,194	134,654	5.7
87–88	0.121033	20,890	2,528	19,626	112,460	5.4
88–89	0.131780	18,362	2,420	17,152	92,834	5.1
89–90	0.143230	15,942	2,283	14,800	75,683	4.7
90–91	0.155386	13,658	2,122	12,597	60,882	4.5
91–92	0.168242	11,536	1,941	10,566	48,285	4.2
92–93	0.181784	9,595	1,744	8,723	37,719	3.9
93–94	0.195987	7,851	1,539	7,082	28,996	3.7
94–95	0.210817	6,312	1,331	5,647	21,915	3.5
95–96	0.226231	4,982	1,127	4,418	16,268	3.3
96–97	0.242172	3,855	933	3,388	11,850	3.1
97–98	0.258577	2,921	755	2,543	8,462	2.9
98–99	0.275373	2,166	596	1,868	5,918	2.7
99–100	0.292477	1,569	459	1,340	4,051	2.6
100 and over	1.000000	1,110	1,110	2,711	2,711	2.4

SOURCE: NCHS, National Vital Statistics System, Mortality.

**Table 9. Life table for black females: United States, 2015**Spreadsheet version available from: [https://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/67\\_07/Table09.xlsx](https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/67_07/Table09.xlsx).

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	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
0-1	0.010339	100,000	1,034	99,099	7,845,468	78.5
1-2	0.000528	98,966	52	98,940	7,746,368	78.3
2-3	0.000322	98,914	32	98,898	7,647,428	77.3
3-4	0.000243	98,882	24	98,870	7,548,530	76.3
4-5	0.000185	98,858	18	98,849	7,449,660	75.4
5-6	0.000181	98,840	18	98,831	7,350,812	74.4
6-7	0.000158	98,822	16	98,814	7,251,981	73.4
7-8	0.000141	98,806	14	98,799	7,153,167	72.4
8-9	0.000129	98,792	13	98,786	7,054,368	71.4
9-10	0.000124	98,780	12	98,773	6,955,582	70.4
10-11	0.000124	98,767	12	98,761	6,856,808	69.4
11-12	0.000132	98,755	13	98,749	6,758,047	68.4
12-13	0.000147	98,742	15	98,735	6,659,298	67.4
13-14	0.000170	98,727	17	98,719	6,560,564	66.5
14-15	0.000200	98,711	20	98,701	6,461,845	65.5
15-16	0.000232	98,691	23	98,680	6,363,144	64.5
16-17	0.000268	98,668	26	98,655	6,264,464	63.5
17-18	0.000314	98,642	31	98,626	6,165,809	62.5
18-19	0.000368	98,611	36	98,593	6,067,183	61.5
19-20	0.000427	98,574	42	98,553	5,968,590	60.5
20-21	0.000487	98,532	48	98,508	5,870,037	59.6
21-22	0.000544	98,484	54	98,458	5,771,529	58.6
22-23	0.000589	98,431	58	98,402	5,673,071	57.6
23-24	0.000623	98,373	61	98,342	5,574,669	56.7
24-25	0.000651	98,311	64	98,279	5,476,327	55.7
25-26	0.000679	98,247	67	98,214	5,378,048	54.7
26-27	0.000713	98,181	70	98,146	5,279,834	53.8
27-28	0.000756	98,111	74	98,074	5,181,688	52.8
28-29	0.000812	98,036	80	97,997	5,083,615	51.9
29-30	0.000878	97,957	86	97,914	4,985,618	50.9
30-31	0.000954	97,871	93	97,824	4,887,704	49.9
31-32	0.001034	97,778	101	97,727	4,789,880	49.0
32-33	0.001113	97,676	109	97,622	4,692,153	48.0
33-34	0.001187	97,568	116	97,510	4,594,531	47.1
34-35	0.001259	97,452	123	97,391	4,497,021	46.1
35-36	0.001337	97,329	130	97,264	4,399,631	45.2
36-37	0.001428	97,199	139	97,130	4,302,366	44.3
37-38	0.001532	97,060	149	96,986	4,205,237	43.3
38-39	0.001651	96,912	160	96,832	4,108,251	42.4
39-40	0.001788	96,752	173	96,665	4,011,419	41.5
40-41	0.001943	96,579	188	96,485	3,914,754	40.5
41-42	0.002114	96,391	204	96,289	3,818,269	39.6
42-43	0.002293	96,187	221	96,077	3,721,980	38.7
43-44	0.002476	95,967	238	95,848	3,625,903	37.8
44-45	0.002671	95,729	256	95,601	3,530,056	36.9
45-46	0.002880	95,473	275	95,336	3,434,455	36.0
46-47	0.003121	95,198	297	95,050	3,339,119	35.1
47-48	0.003410	94,901	324	94,739	3,244,069	34.2
48-49	0.003753	94,578	355	94,400	3,149,330	33.3
49-50	0.004136	94,223	390	94,028	3,054,930	32.4
50-51	0.004520	93,833	424	93,621	2,960,902	31.6
51-52	0.004911	93,409	459	93,179	2,867,281	30.7
52-53	0.005352	92,950	497	92,701	2,774,102	29.8
53-54	0.005860	92,452	542	92,182	2,681,401	29.0
54-55	0.006423	91,911	590	91,616	2,589,219	28.2
55-56	0.007021	91,320	641	91,000	2,497,604	27.3
56-57	0.007620	90,679	691	90,334	2,406,604	26.5
57-58	0.008217	89,988	739	89,619	2,316,270	25.7
58-59	0.008810	89,249	786	88,856	2,226,652	24.9
59-60	0.009413	88,463	833	88,046	2,137,796	24.2
60-61	0.010072	87,630	883	87,189	2,049,750	23.4

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	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
61–62	0.010786	86,747	936	86,279	1,962,561	22.6
62–63	0.011505	85,812	987	85,318	1,876,282	21.9
63–64	0.012202	84,824	1,035	84,307	1,790,964	21.1
64–65	0.012892	83,789	1,080	83,249	1,706,657	20.4
65–66	0.013615	82,709	1,126	82,146	1,623,408	19.6
66–67	0.014430	81,583	1,177	80,994	1,541,262	18.9
67–68	0.015381	80,406	1,237	79,787	1,460,268	18.2
68–69	0.016575	79,169	1,312	78,513	1,380,480	17.4
69–70	0.017996	77,857	1,401	77,156	1,301,967	16.7
70–71	0.019679	76,456	1,505	75,703	1,224,811	16.0
71–72	0.021507	74,951	1,612	74,145	1,149,108	15.3
72–73	0.023437	73,339	1,719	72,480	1,074,963	14.7
73–74	0.025497	71,620	1,826	70,707	1,002,483	14.0
74–75	0.027753	69,794	1,937	68,826	931,776	13.4
75–76	0.030003	67,857	2,036	66,839	862,950	12.7
76–77	0.032510	65,821	2,140	64,751	796,111	12.1
77–78	0.035527	63,681	2,262	62,550	731,360	11.5
78–79	0.038905	61,419	2,390	60,224	668,810	10.9
79–80	0.042624	59,029	2,516	57,771	608,585	10.3
80–81	0.046742	56,513	2,642	55,193	550,814	9.7
81–82	0.051714	53,872	2,786	52,479	495,621	9.2
82–83	0.057091	51,086	2,917	49,628	443,142	8.7
83–84	0.062763	48,169	3,023	46,658	393,515	8.2
84–85	0.069363	45,146	3,131	43,580	346,857	7.7
85–86	0.076850	42,015	3,229	40,400	303,277	7.2
86–87	0.084751	38,786	3,287	37,142	262,876	6.8
87–88	0.093335	35,499	3,313	33,842	225,734	6.4
88–89	0.102635	32,185	3,303	30,534	191,892	6.0
89–90	0.112679	28,882	3,254	27,255	161,358	5.6
90–91	0.123492	25,628	3,165	24,045	134,103	5.2
91–92	0.135089	22,463	3,034	20,946	110,058	4.9
92–93	0.147479	19,428	2,865	17,996	89,113	4.6
93–94	0.160663	16,563	2,661	15,233	71,117	4.3
94–95	0.174628	13,902	2,428	12,688	55,884	4.0
95–96	0.189353	11,474	2,173	10,388	43,196	3.8
96–97	0.204803	9,302	1,905	8,349	32,808	3.5
97–98	0.220930	7,397	1,634	6,580	24,459	3.3
98–99	0.237674	5,762	1,370	5,078	17,879	3.1
99–100	0.254960	4,393	1,120	3,833	12,802	2.9
100 and over	1.000000	3,273	3,273	8,969	8,969	2.7

SOURCE: NCHS, National Vital Statistics System, Mortality.