

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics: United States Life Tables, 2014. NVSR Volume 66, Number 4. 64pp. (PHS) 2017-1120; downloaded from: www.cdc.gov (19.12.2018).

Table 8. Life table for black males: United States, 2014Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_04/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	0.012019	100,000	1,202	98,938	7,251,126	72.5
1-2	0.000611	98,798	60	98,768	7,152,188	72.4
2-3	0.000418	98,738	41	98,717	7,053,420	71.4
3-4	0.000356	98,696	35	98,679	6,954,703	70.5
4-5	0.000297	98,661	29	98,647	6,856,024	69.5
5-6	0.000238	98,632	23	98,620	6,757,377	68.5
6-7	0.000204	98,609	20	98,599	6,658,757	67.5
7-8	0.000176	98,589	17	98,580	6,560,158	66.5
8-9	0.000151	98,571	15	98,564	6,461,579	65.6
9-10	0.000131	98,556	13	98,550	6,363,015	64.6
10-11	0.000122	98,543	12	98,537	6,264,465	63.6
11-12	0.000138	98,531	14	98,525	6,165,927	62.6
12-13	0.000195	98,518	19	98,508	6,067,403	61.6
13-14	0.000300	98,499	30	98,484	5,968,895	60.6
14-15	0.000444	98,469	44	98,447	5,870,411	59.6
15-16	0.000593	98,425	58	98,396	5,771,964	58.6
16-17	0.000747	98,367	73	98,330	5,673,568	57.7
17-18	0.000923	98,293	91	98,248	5,575,238	56.7
18-19	0.001114	98,203	109	98,148	5,476,989	55.8
19-20	0.001302	98,093	128	98,029	5,378,841	54.8
20-21	0.001485	97,966	146	97,893	5,280,812	53.9
21-22	0.001645	97,820	161	97,740	5,182,919	53.0
22-23	0.001764	97,659	172	97,573	5,085,179	52.1
23-24	0.001837	97,487	179	97,397	4,987,606	51.2
24-25	0.001881	97,308	183	97,216	4,890,209	50.3
25-26	0.001918	97,125	186	97,032	4,792,993	49.3
26-27	0.001961	96,939	190	96,843	4,695,961	48.4
27-28	0.002004	96,748	194	96,651	4,599,118	47.5
28-29	0.002049	96,555	198	96,456	4,502,466	46.6
29-30	0.002095	96,357	202	96,256	4,406,010	45.7
30-31	0.002137	96,155	206	96,052	4,309,755	44.8
31-32	0.002182	95,949	209	95,845	4,213,703	43.9
32-33	0.002236	95,740	214	95,633	4,117,858	43.0
33-34	0.002307	95,526	220	95,416	4,022,225	42.1
34-35	0.002393	95,306	228	95,191	3,926,809	41.2
35-36	0.002502	95,077	238	94,959	3,831,618	40.3
36-37	0.002621	94,840	249	94,715	3,736,659	39.4
37-38	0.002736	94,591	259	94,462	3,641,944	38.5
38-39	0.002836	94,332	268	94,198	3,547,482	37.6
39-40	0.002932	94,065	276	93,927	3,453,284	36.7
40-41	0.003042	93,789	285	93,646	3,359,357	35.8
41-42	0.003188	93,503	298	93,354	3,265,711	34.9
42-43	0.003381	93,205	315	93,048	3,172,357	34.0
43-44	0.003634	92,890	338	92,721	3,079,309	33.1
44-45	0.003947	92,553	365	92,370	2,986,587	32.3
45-46	0.004303	92,187	397	91,989	2,894,217	31.4
46-47	0.004699	91,791	431	91,575	2,802,228	30.5
47-48	0.005151	91,359	471	91,124	2,710,653	29.7
48-49	0.005653	90,889	514	90,632	2,619,529	28.8
49-50	0.006194	90,375	560	90,095	2,528,898	28.0
50-51	0.006732	89,815	605	89,513	2,438,802	27.2
51-52	0.007306	89,211	652	88,885	2,349,290	26.3
52-53	0.007997	88,559	708	88,205	2,260,405	25.5
53-54	0.008856	87,851	778	87,462	2,172,200	24.7
54-55	0.009863	87,073	859	86,643	2,084,739	23.9
55-56	0.010946	86,214	944	85,742	1,998,096	23.2
56-57	0.012045	85,270	1,027	84,756	1,912,354	22.4
57-58	0.013191	84,243	1,111	83,687	1,827,597	21.7
58-59	0.014385	83,132	1,196	82,534	1,743,910	21.0
59-60	0.015639	81,936	1,281	81,295	1,661,376	20.3
60-61	0.017052	80,654	1,375	79,967	1,580,081	19.6

See footnote at end of table.

Table 8. Life table for black males: United States, 2014—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_04/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
61–62	0.018569	79,279	1,472	78,543	1,500,114	18.9
62–63	0.020002	77,807	1,556	77,029	1,421,571	18.3
63–64	0.021217	76,251	1,618	75,442	1,344,543	17.6
64–65	0.022255	74,633	1,661	73,802	1,269,101	17.0
65–66	0.023267	72,972	1,698	72,123	1,195,298	16.4
66–67	0.024458	71,274	1,743	70,402	1,123,176	15.8
67–68	0.025827	69,531	1,796	68,633	1,052,773	15.1
68–69	0.027554	67,735	1,866	66,802	984,140	14.5
69–70	0.029641	65,869	1,952	64,892	917,338	13.9
70–71	0.031894	63,916	2,039	62,897	852,446	13.3
71–72	0.034430	61,878	2,130	60,813	789,549	12.8
72–73	0.037118	59,747	2,218	58,638	728,736	12.2
73–74	0.040084	57,530	2,306	56,377	670,098	11.6
74–75	0.043241	55,224	2,388	54,030	613,721	11.1
75–76	0.046159	52,836	2,439	51,616	559,691	10.6
76–77	0.049450	50,397	2,492	49,151	508,075	10.1
77–78	0.053262	47,905	2,551	46,629	458,924	9.6
78–79	0.057158	45,353	2,592	44,057	412,295	9.1
79–80	0.062357	42,761	2,666	41,428	368,238	8.6
80–81	0.067967	40,095	2,725	38,732	326,810	8.2
81–82	0.073483	37,369	2,746	35,996	288,078	7.7
82–83	0.079987	34,623	2,769	33,239	252,082	7.3
83–84	0.087334	31,854	2,782	30,463	218,843	6.9
84–85	0.094221	29,072	2,739	27,702	188,380	6.5
85–86	0.103044	26,333	2,713	24,976	160,678	6.1
86–87	0.112130	23,619	2,648	22,295	135,702	5.7
87–88	0.121844	20,971	2,555	19,693	113,406	5.4
88–89	0.132199	18,416	2,435	17,199	93,713	5.1
89–90	0.143202	15,981	2,289	14,837	76,514	4.8
90–91	0.154857	13,693	2,120	12,632	61,678	4.5
91–92	0.167156	11,572	1,934	10,605	49,045	4.2
92–93	0.180089	9,638	1,736	8,770	38,440	4.0
93–94	0.193635	7,902	1,530	7,137	29,670	3.8
94–95	0.207765	6,372	1,324	5,710	22,533	3.5
95–96	0.222440	5,048	1,123	4,487	16,823	3.3
96–97	0.237616	3,925	933	3,459	12,336	3.1
97–98	0.253237	2,993	758	2,614	8,877	3.0
98–99	0.269240	2,235	602	1,934	6,263	2.8
99–100	0.285556	1,633	466	1,400	4,329	2.7
100 and over	1.000000	1,167	1,167	2,930	2,930	2.5

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 9. Life table for black females: United States, 2014Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_04/Table09.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	0.010072	100,000	1,007	99,115	7,849,879	78.5
1-2	0.000496	98,993	49	98,968	7,750,764	78.3
2-3	0.000371	98,944	37	98,925	7,651,796	77.3
3-4	0.000232	98,907	23	98,895	7,552,871	76.4
4-5	0.000177	98,884	18	98,875	7,453,975	75.4
5-6	0.000171	98,867	17	98,858	7,355,100	74.4
6-7	0.000141	98,850	14	98,843	7,256,242	73.4
7-8	0.000122	98,836	12	98,830	7,157,400	72.4
8-9	0.000112	98,824	11	98,818	7,058,570	71.4
9-10	0.000113	98,813	11	98,807	6,959,752	70.4
10-11	0.000122	98,801	12	98,795	6,860,945	69.4
11-12	0.000136	98,789	13	98,783	6,762,150	68.5
12-13	0.000153	98,776	15	98,768	6,663,367	67.5
13-14	0.000171	98,761	17	98,752	6,564,599	66.5
14-15	0.000190	98,744	19	98,735	6,465,846	65.5
15-16	0.000209	98,725	21	98,715	6,367,112	64.5
16-17	0.000236	98,704	23	98,693	6,268,397	63.5
17-18	0.000276	98,681	27	98,668	6,169,704	62.5
18-19	0.000330	98,654	33	98,638	6,071,037	61.5
19-20	0.000392	98,621	39	98,602	5,972,399	60.6
20-21	0.000456	98,583	45	98,560	5,873,797	59.6
21-22	0.000513	98,538	51	98,513	5,775,237	58.6
22-23	0.000557	98,487	55	98,460	5,676,724	57.6
23-24	0.000588	98,432	58	98,403	5,578,265	56.7
24-25	0.000611	98,375	60	98,344	5,479,861	55.7
25-26	0.000634	98,314	62	98,283	5,381,517	54.7
26-27	0.000666	98,252	65	98,219	5,283,233	53.8
27-28	0.000709	98,187	70	98,152	5,185,014	52.8
28-29	0.000765	98,117	75	98,080	5,086,862	51.8
29-30	0.000831	98,042	82	98,001	4,988,783	50.9
30-31	0.000904	97,960	89	97,916	4,890,782	49.9
31-32	0.000980	97,872	96	97,824	4,792,865	49.0
32-33	0.001059	97,776	104	97,724	4,695,041	48.0
33-34	0.001141	97,672	111	97,617	4,597,317	47.1
34-35	0.001230	97,561	120	97,501	4,499,701	46.1
35-36	0.001331	97,441	130	97,376	4,402,200	45.2
36-37	0.001445	97,311	141	97,241	4,304,824	44.2
37-38	0.001566	97,171	152	97,095	4,207,583	43.3
38-39	0.001691	97,018	164	96,936	4,110,488	42.4
39-40	0.001820	96,854	176	96,766	4,013,552	41.4
40-41	0.001962	96,678	190	96,583	3,916,786	40.5
41-42	0.002120	96,488	205	96,386	3,820,202	39.6
42-43	0.002288	96,284	220	96,174	3,723,816	38.7
43-44	0.002468	96,064	237	95,945	3,627,642	37.8
44-45	0.002671	95,827	256	95,699	3,531,697	36.9
45-46	0.002886	95,571	276	95,433	3,435,999	36.0
46-47	0.003132	95,295	298	95,146	3,340,566	35.1
47-48	0.003440	94,996	327	94,833	3,245,421	34.2
48-49	0.003814	94,670	361	94,489	3,150,588	33.3
49-50	0.004231	94,308	399	94,109	3,056,099	32.4
50-51	0.004653	93,909	437	93,691	2,961,990	31.5
51-52	0.005074	93,472	474	93,235	2,868,299	30.7
52-53	0.005517	92,998	513	92,742	2,775,064	29.8
53-54	0.005994	92,485	554	92,208	2,682,322	29.0
54-55	0.006510	91,931	598	91,632	2,590,114	28.2
55-56	0.007054	91,332	644	91,010	2,498,483	27.4
56-57	0.007614	90,688	691	90,343	2,407,472	26.5
57-58	0.008198	89,998	738	89,629	2,317,130	25.7
58-59	0.008808	89,260	786	88,867	2,227,501	25.0
59-60	0.009448	88,474	836	88,056	2,138,634	24.2
60-61	0.010153	87,638	890	87,193	2,050,579	23.4

See footnote at end of table.

Table 9. Life table for black females: United States, 2014—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_04/Table09.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	0.010907	86,748	946	86,275	1,963,386	22.6
62–63	0.011654	85,802	1,000	85,302	1,877,111	21.9
63–64	0.012367	84,802	1,049	84,277	1,791,810	21.1
64–65	0.013067	83,753	1,094	83,206	1,707,532	20.4
65–66	0.013818	82,659	1,142	82,087	1,624,327	19.7
66–67	0.014694	81,516	1,198	80,917	1,542,239	18.9
67–68	0.015672	80,319	1,259	79,689	1,461,322	18.2
68–69	0.016789	79,060	1,327	78,396	1,381,633	17.5
69–70	0.018145	77,732	1,410	77,027	1,303,236	16.8
70–71	0.019720	76,322	1,505	75,569	1,226,209	16.1
71–72	0.021460	74,817	1,606	74,014	1,150,640	15.4
72–73	0.023263	73,211	1,703	72,360	1,076,626	14.7
73–74	0.025364	71,508	1,814	70,601	1,004,266	14.0
74–75	0.027414	69,695	1,911	68,739	933,664	13.4
75–76	0.029779	67,784	2,019	66,775	864,925	12.8
76–77	0.032914	65,765	2,165	64,683	798,150	12.1
77–78	0.036043	63,601	2,292	62,455	733,467	11.5
78–79	0.039528	61,309	2,423	60,097	671,012	10.9
79–80	0.043174	58,885	2,542	57,614	610,916	10.4
80–81	0.047330	56,343	2,667	55,009	553,302	9.8
81–82	0.052269	53,676	2,806	52,273	498,292	9.3
82–83	0.056704	50,870	2,885	49,428	446,019	8.8
83–84	0.063338	47,986	3,039	46,466	396,591	8.3
84–85	0.069700	44,947	3,133	43,380	350,125	7.8
85–86	0.076621	41,814	3,204	40,212	306,744	7.3
86–87	0.084131	38,610	3,248	36,986	266,532	6.9
87–88	0.092263	35,362	3,263	33,730	229,547	6.5
88–89	0.101045	32,099	3,243	30,477	195,816	6.1
89–90	0.110501	28,856	3,189	27,261	165,339	5.7
90–91	0.120654	25,667	3,097	24,119	138,078	5.4
91–92	0.131519	22,570	2,968	21,086	113,959	5.0
92–93	0.143105	19,602	2,805	18,199	92,873	4.7
93–94	0.155417	16,797	2,610	15,491	74,674	4.4
94–95	0.168446	14,186	2,390	12,991	59,182	4.2
95–96	0.182179	11,797	2,149	10,722	46,191	3.9
96–97	0.196589	9,648	1,897	8,699	35,469	3.7
97–98	0.211641	7,751	1,640	6,931	26,769	3.5
98–99	0.227289	6,111	1,389	5,416	19,839	3.2
99–100	0.243475	4,722	1,150	4,147	14,423	3.1
100 and over	1.000000	3,572	3,572	10,276	10,276	2.9

SOURCE: NCHS, National Vital Statistics System, Mortality.