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Table 11. Life table for non-Hispanic black males: United States, 2018

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	0.011995	100,000	1,199	98,950	7,128,997	71.3
1-2	0.000702	98,801	69	98,766	7,030,047	71.2
2-3	0.000525	98,731	52	98,705	6,931,281	70.2
3-4	0.000358	98,679	35	98,662	6,832,576	69.2
4-5	0.000296	98,644	29	98,629	6,733,914	68.3
5-6	0.000286	98,615	28	98,601	6,635,285	67.3
6-7	0.000261	98,587	26	98,574	6,536,684	66.3
7-8	0.000233	98,561	23	98,549	6,438,110	65.3
8-9	0.000191	98,538	19	98,529	6,339,561	64.3
9-10	0.000141	98,519	14	98,512	6,241,032	63.3
10-11	0.000101	98,505	10	98,500	6,142,520	62.4
11-12	0.000098	98,495	10	98,490	6,044,020	61.4
12-13	0.000166	98,486	16	98,477	5,945,529	60.4
13-14	0.000324	98,469	32	98,453	5,847,052	59.4
14-15	0.000549	98,437	54	98,410	5,748,598	58.4
15-16	0.000796	98,383	78	98,344	5,650,188	57.4
16-17	0.001036	98,305	102	98,254	5,551,844	56.5
17-18	0.001274	98,203	125	98,141	5,453,590	55.5
18-19	0.001499	98,078	147	98,004	5,355,449	54.6
19-20	0.001706	97,931	167	97,847	5,257,445	53.7
20-21	0.001915	97,764	187	97,670	5,159,597	52.8
21-22	0.002114	97,577	206	97,474	5,061,927	51.9
22-23	0.002259	97,370	220	97,260	4,964,453	51.0
23-24	0.002334	97,150	227	97,037	4,867,193	50.1
24-25	0.002359	96,924	229	96,809	4,770,156	49.2
25-26	0.002365	96,695	229	96,581	4,673,347	48.3
26-27	0.002378	96,466	229	96,352	4,576,766	47.4
27-28	0.002404	96,237	231	96,121	4,480,414	46.6
28-29	0.002455	96,006	236	95,888	4,384,293	45.7
29-30	0.002531	95,770	242	95,649	4,288,405	44.8
30-31	0.002621	95,528	250	95,402	4,192,756	43.9
31-32	0.002717	95,277	259	95,148	4,097,354	43.0
32-33	0.002831	95,018	269	94,884	4,002,206	42.1
33-34	0.002956	94,749	280	94,609	3,907,322	41.2
34-35	0.003084	94,469	291	94,324	3,812,713	40.4
35-36	0.003224	94,178	304	94,026	3,718,390	39.5
36-37	0.003375	93,874	317	93,716	3,624,363	38.6
37-38	0.003525	93,557	330	93,393	3,530,648	37.7
38-39	0.003678	93,228	343	93,056	3,437,255	36.9
39-40	0.003843	92,885	357	92,706	3,344,199	36.0
40-41	0.004040	92,528	374	92,341	3,251,492	35.1
41-42	0.004270	92,154	393	91,957	3,159,152	34.3
42-43	0.004513	91,761	414	91,553	3,067,194	33.4
43-44	0.004755	91,346	434	91,129	2,975,641	32.6
44-45	0.005000	90,912	455	90,685	2,884,512	31.7
45-46	0.005262	90,457	476	90,220	2,793,827	30.9
46-47	0.005566	89,982	501	89,731	2,703,607	30.0
47-48	0.005927	89,481	530	89,216	2,613,876	29.2
48-49	0.006367	88,950	566	88,667	2,524,661	28.4

Table 11. Life table for non-Hispanic black males: United States, 2018

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 $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
49-50	0.006889	88,384	609	88,080	2,435,993	27.6
50-51	0.007450	87,775	654	87,448	2,347,914	26.7
51-52	0.008062	87,121	702	86,770	2,260,466	25.9
52-53	0.008786	86,419	759	86,039	2,173,696	25.2
53-54	0.009630	85,660	825	85,247	2,087,656	24.4
54-55	0.010559	84,835	896	84,387	2,002,409	23.6
55-56	0.011504	83,939	966	83,456	1,918,022	22.9
56-57	0.012466	82,973	1,034	82,456	1,834,566	22.1
57-58	0.013520	81,939	1,108	81,385	1,752,110	21.4
58-59	0.014710	80,831	1,189	80,237	1,670,725	20.7
59-60	0.016039	79,642	1,277	79,003	1,590,488	20.0
60-61	0.017471	78,365	1,369	77,680	1,511,485	19.3
61-62	0.018951	76,996	1,459	76,266	1,433,805	18.6
62-63	0.020484	75,537	1,547	74,763	1,357,539	18.0
63-64	0.022056	73,989	1,632	73,173	1,282,776	17.3
64-65	0.023682	72,357	1,714	71,501	1,209,603	16.7
65-66	0.025507	70,644	1,802	69,743	1,138,102	16.1
66-67	0.027435	68,842	1,889	67,898	1,068,359	15.5
67-68	0.029266	66,953	1,959	65,973	1,000,462	14.9
68-69	0.030803	64,994	2,002	63,993	934,488	14.4
69-70	0.032082	62,992	2,021	61,981	870,496	13.8
70-71	0.033425	60,971	2,038	59,952	808,514	13.3
71-72	0.035003	58,933	2,063	57,901	748,562	12.7
72-73	0.037203	56,870	2,116	55,812	690,661	12.1
73-74	0.040182	54,754	2,200	53,654	634,849	11.6
74-75	0.042821	52,554	2,250	51,429	581,194	11.1
75-76	0.046725	50,304	2,350	49,129	529,765	10.5
76-77	0.050461	47,953	2,420	46,743	480,637	10.0
77-78	0.054404	45,534	2,477	44,295	433,893	9.5
78-79	0.058845	43,056	2,534	41,790	389,598	9.0
79-80	0.063064	40,523	2,556	39,245	347,809	8.6
80-81	0.068031	37,967	2,583	36,676	308,564	8.1
81-82	0.073965	35,384	2,617	34,076	271,888	7.7
82-83	0.080399	32,767	2,634	31,450	237,813	7.3
83-84	0.088236	30,133	2,659	28,803	206,363	6.8
84-85	0.094411	27,474	2,594	26,177	177,560	6.5
85-86	0.102986	24,880	2,562	23,599	151,383	6.1
86-87	0.112188	22,318	2,504	21,066	127,784	5.7
87-88	0.122034	19,814	2,418	18,605	106,718	5.4
88-89	0.132537	17,396	2,306	16,243	88,113	5.1
89-90	0.143706	15,090	2,169	14,006	71,870	4.8
90-91	0.155542	12,922	2,010	11,917	57,864	4.5
91-92	0.168040	10,912	1,834	9,995	45,947	4.2
92-93	0.181185	9,078	1,645	8,256	35,952	4.0
93-94	0.194957	7,433	1,449	6,709	27,696	3.7
94-95	0.209325	5,984	1,253	5,358	20,987	3.5
95-96	0.224248	4,732	1,061	4,201	15,629	3.3
96-97	0.239677	3,671	880	3,231	11,428	3.1
97-98	0.255555	2,791	713	2,434	8,198	2.9

Table 11. Life table for non-Hispanic black males: United States, 2018

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 $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
98–99	0.271815	2,078	565	1,795	5,764	2.8
99–100	0.288384	1,513	436	1,295	3,968	2.6
100 and over	1.000000	1,077	1,077	2,674	2,674	2.5

NOTES: 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 12. Life table for non-Hispanic black females: United States, 2018

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	0.009422	100,000	942	99,178	7,798,658	78.0
1-2	0.000580	99,058	57	99,029	7,699,480	77.7
2-3	0.000390	99,000	39	98,981	7,600,450	76.8
3-4	0.000244	98,962	24	98,950	7,501,469	75.8
4-5	0.000210	98,938	21	98,927	7,402,520	74.8
5-6	0.000221	98,917	22	98,906	7,303,593	73.8
6-7	0.000201	98,895	20	98,885	7,204,687	72.9
7-8	0.000186	98,875	18	98,866	7,105,802	71.9
8-9	0.000177	98,857	18	98,848	7,006,936	70.9
9-10	0.000174	98,839	17	98,831	6,908,088	69.9
10-11	0.000176	98,822	17	98,813	6,809,257	68.9
11-12	0.000185	98,805	18	98,795	6,710,444	67.9
12-13	0.000201	98,786	20	98,776	6,611,649	66.9
13-14	0.000225	98,766	22	98,755	6,512,872	65.9
14-15	0.000256	98,744	25	98,732	6,414,117	65.0
15-16	0.000292	98,719	29	98,705	6,315,385	64.0
16-17	0.000333	98,690	33	98,674	6,216,681	63.0
17-18	0.000381	98,657	38	98,639	6,118,007	62.0
18-19	0.000436	98,620	43	98,598	6,019,368	61.0
19-20	0.000496	98,577	49	98,552	5,920,770	60.1
20-21	0.000560	98,528	55	98,500	5,822,218	59.1
21-22	0.000624	98,473	61	98,442	5,723,717	58.1
22-23	0.000686	98,411	68	98,378	5,625,275	57.2
23-24	0.000743	98,344	73	98,307	5,526,898	56.2
24-25	0.000795	98,271	78	98,232	5,428,590	55.2
25-26	0.000845	98,193	83	98,151	5,330,359	54.3
26-27	0.000896	98,110	88	98,066	5,232,208	53.3
27-28	0.000947	98,022	93	97,975	5,134,142	52.4
28-29	0.001004	97,929	98	97,880	5,036,167	51.4
29-30	0.001071	97,831	105	97,778	4,938,287	50.5
30-31	0.001150	97,726	112	97,670	4,840,509	49.5
31-32	0.001238	97,613	121	97,553	4,742,839	48.6
32-33	0.001336	97,493	130	97,427	4,645,286	47.6
33-34	0.001436	97,362	140	97,292	4,547,859	46.7
34-35	0.001536	97,223	149	97,148	4,450,566	45.8
35-36	0.001641	97,073	159	96,994	4,353,418	44.8
36-37	0.001754	96,914	170	96,829	4,256,425	43.9
37-38	0.001865	96,744	180	96,654	4,159,596	43.0
38-39	0.001979	96,564	191	96,468	4,062,942	42.1
39-40	0.002102	96,372	203	96,271	3,966,474	41.2
40-41	0.002245	96,170	216	96,062	3,870,203	40.2
41-42	0.002409	95,954	231	95,838	3,774,141	39.3
42-43	0.002588	95,723	248	95,599	3,678,303	38.4
43-44	0.002773	95,475	265	95,343	3,582,704	37.5
44-45	0.002963	95,210	282	95,069	3,487,361	36.6
45-46	0.003165	94,928	300	94,778	3,392,292	35.7
46-47	0.003389	94,628	321	94,467	3,297,514	34.8
47-48	0.003641	94,307	343	94,135	3,203,046	34.0
48-49	0.003933	93,964	370	93,779	3,108,911	33.1

Table 12. Life table for non-Hispanic black females: United States, 2018

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 $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
49-50	0.004269	93,594	400	93,394	3,015,132	32.2
50-51	0.004628	93,195	431	92,979	2,921,737	31.4
51-52	0.005018	92,763	466	92,531	2,828,759	30.5
52-53	0.005474	92,298	505	92,045	2,736,228	29.6
53-54	0.005997	91,793	550	91,517	2,644,183	28.8
54-55	0.006565	91,242	599	90,943	2,552,665	28.0
55-56	0.007138	90,643	647	90,320	2,461,723	27.2
56-57	0.007718	89,996	695	89,649	2,371,403	26.4
57-58	0.008339	89,302	745	88,929	2,281,754	25.6
58-59	0.009023	88,557	799	88,157	2,192,825	24.8
59-60	0.009772	87,758	858	87,329	2,104,668	24.0
60-61	0.010579	86,900	919	86,441	2,017,339	23.2
61-62	0.011409	85,981	981	85,490	1,930,898	22.5
62-63	0.012240	85,000	1,040	84,480	1,845,407	21.7
63-64	0.013055	83,960	1,096	83,412	1,760,928	21.0
64-65	0.013873	82,864	1,150	82,289	1,677,516	20.2
65-66	0.014752	81,714	1,205	81,111	1,595,227	19.5
66-67	0.015721	80,509	1,266	79,876	1,514,116	18.8
67-68	0.016723	79,243	1,325	78,580	1,434,241	18.1
68-69	0.017771	77,918	1,385	77,225	1,355,660	17.4
69-70	0.018982	76,533	1,453	75,807	1,278,435	16.7
70-71	0.020418	75,080	1,533	74,314	1,202,628	16.0
71-72	0.021918	73,547	1,612	72,741	1,128,315	15.3
72-73	0.024027	71,935	1,728	71,071	1,055,573	14.7
73-74	0.025480	70,207	1,789	69,312	984,502	14.0
74-75	0.027795	68,418	1,902	67,467	915,190	13.4
75-76	0.030169	66,516	2,007	65,513	847,723	12.7
76-77	0.032943	64,510	2,125	63,447	782,210	12.1
77-78	0.035305	62,384	2,202	61,283	718,763	11.5
78-79	0.038829	60,182	2,337	59,014	657,479	10.9
79-80	0.042354	57,845	2,450	56,620	598,466	10.3
80-81	0.046095	55,395	2,553	54,119	541,845	9.8
81-82	0.051296	52,842	2,711	51,486	487,727	9.2
82-83	0.057979	50,131	2,907	48,678	436,240	8.7
83-84	0.062654	47,225	2,959	45,745	387,563	8.2
84-85	0.068704	44,266	3,041	42,745	341,817	7.7
85-86	0.074764	41,225	3,082	39,684	299,072	7.3
86-87	0.083635	38,142	3,190	36,547	259,389	6.8
87-88	0.092281	34,952	3,225	33,340	222,841	6.4
88-89	0.101665	31,727	3,226	30,114	189,501	6.0
89-90	0.111818	28,501	3,187	26,908	159,387	5.6
90-91	0.122764	25,314	3,108	23,761	132,479	5.2
91-92	0.134522	22,207	2,987	20,713	108,719	4.9
92-93	0.147101	19,219	2,827	17,806	88,006	4.6
93-94	0.160502	16,392	2,631	15,077	70,200	4.3
94-95	0.174713	13,761	2,404	12,559	55,123	4.0
95-96	0.189711	11,357	2,155	10,280	42,564	3.7
96-97	0.205459	9,202	1,891	8,257	32,284	3.5
97-98	0.221906	7,312	1,623	6,500	24,027	3.3

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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 $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
98–99	0.238987	5,689	1,360	5,009	17,527	3.1
99–100	0.256624	4,330	1,111	3,774	12,517	2.9
100 and over	1.000000	3,218	3,218	8,743	8,743	2.7

NOTES: 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.