

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics (2010): **Revised United States life tables, 2000–2004**. National Vital Statistics Report Volume 58, Number 10. 131pp. Downloaded from: [www.cdc.gov](http://www.cdc.gov) (20.12.2023).

*Note:* These tables are updated using revised intercensal population estimates and a new methodology implemented with the final 2008 life tables: [https://www.cdc.gov/nchs/data/dvs/LEWK3\\_2002.pdf](https://www.cdc.gov/nchs/data/dvs/LEWK3_2002.pdf)

Table VIII. Life table for black males: United States, 2002

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	person-years	at age x
	ages x to x+1				lived above	
	$q^x$	$l^x$	$d^x$	$L^x$	age x	$e^x$
					$T^x$	
0-1	0.015395	100,000	1,539	98,650	6,860,079	68.6
1-2	0.000855	98,461	84	98,418	6,761,429	68.7
2-3	0.000516	98,376	51	98,351	6,663,011	67.7
3-4	0.000406	98,326	40	98,306	6,564,660	66.8
4-5	0.000362	98,286	36	98,268	6,466,354	65.8
5-6	0.000293	98,250	29	98,236	6,368,086	64.8
6-7	0.000261	98,221	26	98,208	6,269,851	63.8
7-8	0.000238	98,196	23	98,184	6,171,642	62.9
8-9	0.000216	98,172	21	98,162	6,073,458	61.9
9-10	0.000198	98,151	19	98,141	5,975,296	60.9
10-11	0.000193	98,132	19	98,122	5,877,155	59.9
11-12	0.000215	98,113	21	98,102	5,779,033	58.9
12-13	0.000282	98,092	28	98,078	5,680,931	57.9
13-14	0.000406	98,064	40	98,044	5,582,853	56.9
14-15	0.000581	98,024	57	97,996	5,484,809	56.0
15-16	0.000780	97,967	76	97,929	5,386,813	55.0
16-17	0.000988	97,891	97	97,842	5,288,884	54.0
17-18	0.001217	97,794	119	97,735	5,191,042	53.1
18-19	0.001455	97,675	142	97,604	5,093,307	52.1
19-20	0.001689	97,533	165	97,451	4,995,703	51.2
20-21	0.001937	97,368	189	97,274	4,898,253	50.3
21-22	0.002174	97,180	211	97,074	4,800,979	49.4
22-23	0.002352	96,968	228	96,854	4,703,904	48.5
23-24	0.002452	96,740	237	96,622	4,607,050	47.6
24-25	0.002491	96,503	240	96,383	4,510,428	46.7
25-26	0.002514	96,263	242	96,142	4,414,045	45.9
26-27	0.002545	96,021	244	95,899	4,317,904	45.0
27-28	0.002563	95,777	245	95,654	4,222,005	44.1
28-29	0.002572	95,531	246	95,408	4,126,351	43.2
29-30	0.002581	95,285	246	95,162	4,030,943	42.3
30-31	0.002581	95,039	245	94,917	3,935,780	41.4
31-32	0.002595	94,794	246	94,671	3,840,864	40.5
32-33	0.002727	94,548	258	94,419	3,746,193	39.6
33-34	0.002795	94,290	264	94,158	3,651,773	38.7
34-35	0.002986	94,027	281	93,886	3,557,615	37.8
35-36	0.003208	93,746	301	93,596	3,463,729	36.9
36-37	0.003437	93,445	321	93,285	3,370,133	36.1
37-38	0.003665	93,124	341	92,953	3,276,848	35.2
38-39	0.003880	92,783	360	92,603	3,183,895	34.3

Table VIII. Life table for black males: United States, 2002

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	person-years	of life
	ages x to x+1				lived above	at age x
	$q^x$	$l^x$	$d^x$	$L^x$	age x	$e^x$
					$T^x$	
39-40	0.004096	92,423	379	92,233	3,091,292	33.4
40-41	0.004313	92,044	397	91,846	2,999,059	32.6
41-42	0.004571	91,647	419	91,438	2,907,213	31.7
42-43	0.004915	91,228	448	91,004	2,815,776	30.9
43-44	0.005383	90,780	489	90,535	2,724,772	30.0
44-45	0.005963	90,291	538	90,022	2,634,236	29.2
45-46	0.006610	89,753	593	89,456	2,544,214	28.3
46-47	0.007287	89,159	650	88,835	2,454,758	27.5
47-48	0.008009	88,510	709	88,155	2,365,924	26.7
48-49	0.008754	87,801	769	87,417	2,277,768	25.9
49-50	0.009517	87,032	828	86,618	2,190,352	25.2
50-51	0.010349	86,204	892	85,758	2,103,734	24.4
51-52	0.011235	85,312	959	84,833	2,017,976	23.7
52-53	0.012108	84,353	1,021	83,843	1,933,143	22.9
53-54	0.012956	83,332	1,080	82,792	1,849,300	22.2
54-55	0.013823	82,252	1,137	81,684	1,766,508	21.5
55-56	0.014783	81,115	1,199	80,516	1,684,824	20.8
56-57	0.015892	79,916	1,270	79,281	1,604,308	20.1
57-58	0.017135	78,646	1,348	77,973	1,525,027	19.4
58-59	0.018476	77,299	1,428	76,585	1,447,054	18.7
59-60	0.019871	75,871	1,508	75,117	1,370,470	18.1
60-61	0.021349	74,363	1,588	73,569	1,295,353	17.4
61-62	0.022922	72,775	1,668	71,941	1,221,784	16.8
62-63	0.024511	71,107	1,743	70,236	1,149,843	16.2
63-64	0.026085	69,364	1,809	68,460	1,079,607	15.6
64-65	0.027666	67,555	1,869	66,620	1,011,147	15.0
65-66	0.029222	65,686	1,919	64,726	944,527	14.4
66-67	0.030914	63,766	1,971	62,781	879,801	13.8
67-68	0.033007	61,795	2,040	60,775	817,020	13.2
68-69	0.035597	59,756	2,127	58,692	756,244	12.7
69-70	0.038603	57,628	2,225	56,516	697,552	12.1
70-71	0.041846	55,404	2,318	54,245	641,036	11.6
71-72	0.045262	53,085	2,403	51,884	586,792	11.1
72-73	0.048918	50,683	2,479	49,443	534,908	10.6
73-74	0.052804	48,203	2,545	46,931	485,465	10.1
74-75	0.056944	45,658	2,600	44,358	438,534	9.6
75-76	0.061393	43,058	2,643	41,736	394,176	9.2
76-77	0.066047	40,415	2,669	39,080	352,439	8.7
77-78	0.071027	37,745	2,681	36,405	313,359	8.3

Table VIII. Life table for black males: United States, 2002

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	person-years	at age x
	ages x to x+1				lived above	
	$q^x$	$l^x$	$d^x$	$L^x$	age x	$e^x$
					$T^x$	
78-79	0.076351	35,064	2,677	33,726	276,955	7.9
79-80	0.082040	32,387	2,657	31,059	243,229	7.5
80-81	0.088112	29,730	2,620	28,420	212,170	7.1
81-82	0.094587	27,111	2,564	25,828	183,750	6.8
82-83	0.101485	24,546	2,491	23,301	157,921	6.4
83-84	0.108826	22,055	2,400	20,855	134,620	6.1
84-85	0.116628	19,655	2,292	18,509	113,765	5.8
85-86	0.124912	17,363	2,169	16,278	95,256	5.5
86-87	0.133695	15,194	2,031	14,178	78,978	5.2
87-88	0.142994	13,163	1,882	12,221	64,800	4.9
88-89	0.152827	11,280	1,724	10,418	52,578	4.7
89-90	0.163206	9,556	1,560	8,777	42,160	4.4
90-91	0.174146	7,997	1,393	7,300	33,383	4.2
91-92	0.185657	6,604	1,226	5,991	26,083	3.9
92-93	0.197745	5,378	1,063	4,846	20,092	3.7
93-94	0.210418	4,315	908	3,861	15,245	3.5
94-95	0.223677	3,407	762	3,026	11,385	3.3
95-96	0.237519	2,645	628	2,331	8,359	3.2
96-97	0.251940	2,017	508	1,763	6,028	3.0
97-98	0.266931	1,508	403	1,307	4,266	2.8
98-99	0.282476	1,106	312	950	2,959	2.7
99-100	0.298558	793	237	675	2,009	2.5
100 and over	1.000000	557	557	1,334	1,334	2.4

Table IX. Life table for black females: United States, 2002

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	person-years	of life
	ages x to x+1				lived above	at age x
	$q^x$	$l^x$	$d^x$	$L^x$	age x	$e^x$
					$T^x$	
0-1	0.013220	100,000	1,322	98,837	7,535,685	75.4
1-2	0.000648	98,678	64	98,646	7,436,849	75.4
2-3	0.000389	98,614	38	98,595	7,338,203	74.4
3-4	0.000259	98,576	26	98,563	7,239,608	73.4
4-5	0.000260	98,550	26	98,537	7,141,045	72.5
5-6	0.000219	98,525	22	98,514	7,042,508	71.5
6-7	0.000193	98,503	19	98,494	6,943,994	70.5
7-8	0.000177	98,484	17	98,475	6,845,500	69.5
8-9	0.000168	98,467	17	98,458	6,747,025	68.5
9-10	0.000168	98,450	17	98,442	6,648,567	67.5
10-11	0.000174	98,434	17	98,425	6,550,125	66.5
11-12	0.000187	98,416	18	98,407	6,451,700	65.6
12-13	0.000206	98,398	20	98,388	6,353,293	64.6
13-14	0.000233	98,378	23	98,366	6,254,905	63.6
14-15	0.000267	98,355	26	98,342	6,156,539	62.6
15-16	0.000309	98,329	30	98,313	6,058,197	61.6
16-17	0.000357	98,298	35	98,281	5,959,884	60.6
17-18	0.000409	98,263	40	98,243	5,861,603	59.7
18-19	0.000464	98,223	46	98,200	5,763,360	58.7
19-20	0.000518	98,177	51	98,152	5,665,160	57.7
20-21	0.000575	98,127	56	98,098	5,567,008	56.7
21-22	0.000634	98,070	62	98,039	5,468,910	55.8
22-23	0.000687	98,008	67	97,974	5,370,871	54.8
23-24	0.000733	97,941	72	97,905	5,272,897	53.8
24-25	0.000778	97,869	76	97,831	5,174,992	52.9
25-26	0.000830	97,793	81	97,752	5,077,161	51.9
26-27	0.000891	97,712	87	97,668	4,979,409	51.0
27-28	0.000956	97,624	93	97,578	4,881,741	50.0
28-29	0.001022	97,531	100	97,481	4,784,163	49.1
29-30	0.001088	97,431	106	97,378	4,686,682	48.1
30-31	0.001158	97,325	113	97,269	4,589,304	47.2
31-32	0.001239	97,213	120	97,153	4,492,035	46.2
32-33	0.001354	97,092	131	97,027	4,394,882	45.3
33-34	0.001450	96,961	141	96,891	4,297,855	44.3
34-35	0.001586	96,820	154	96,743	4,200,965	43.4
35-36	0.001729	96,667	167	96,583	4,104,221	42.5
36-37	0.001882	96,500	182	96,409	4,007,638	41.5
37-38	0.002068	96,318	199	96,218	3,911,229	40.6
38-39	0.002290	96,119	220	96,009	3,815,011	39.7

Table IX. Life table for black females: United States, 2002

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	person-years	at age x
	ages x to x+1				lived above	
	$q^x$	$l^x$	$d^x$	$L^x$	age x	$e^x$
					$T^x$	
39-40	0.002539	95,899	243	95,777	3,719,002	38.8
40-41	0.002799	95,655	268	95,521	3,623,225	37.9
41-42	0.003060	95,388	292	95,242	3,527,704	37.0
42-43	0.003327	95,096	316	94,937	3,432,462	36.1
43-44	0.003603	94,779	341	94,608	3,337,525	35.2
44-45	0.003894	94,438	368	94,254	3,242,916	34.3
45-46	0.004207	94,070	396	93,872	3,148,663	33.5
46-47	0.004542	93,674	425	93,461	3,054,790	32.6
47-48	0.004891	93,249	456	93,021	2,961,329	31.8
48-49	0.005249	92,793	487	92,549	2,868,308	30.9
49-50	0.005616	92,306	518	92,046	2,775,759	30.1
50-51	0.006006	91,787	551	91,512	2,683,713	29.2
51-52	0.006424	91,236	586	90,943	2,592,201	28.4
52-53	0.006867	90,650	622	90,339	2,501,258	27.6
53-54	0.007347	90,027	661	89,697	2,410,920	26.8
54-55	0.007884	89,366	705	89,014	2,321,223	26.0
55-56	0.008514	88,661	755	88,284	2,232,209	25.2
56-57	0.009233	87,907	812	87,501	2,143,925	24.4
57-58	0.009998	87,095	871	86,660	2,056,424	23.6
58-59	0.010753	86,224	927	85,761	1,969,765	22.8
59-60	0.011491	85,297	980	84,807	1,884,004	22.1
60-61	0.012253	84,317	1,033	83,800	1,799,197	21.3
61-62	0.013110	83,284	1,092	82,738	1,715,397	20.6
62-63	0.014079	82,192	1,157	81,613	1,632,659	19.9
63-64	0.015198	81,035	1,232	80,419	1,551,046	19.1
64-65	0.016457	79,803	1,313	79,147	1,470,627	18.4
65-66	0.017805	78,490	1,397	77,791	1,391,480	17.7
66-67	0.019133	77,092	1,475	76,355	1,313,689	17.0
67-68	0.020593	75,617	1,557	74,839	1,237,334	16.4
68-69	0.022215	74,060	1,645	73,238	1,162,496	15.7
69-70	0.024028	72,415	1,740	71,545	1,089,258	15.0
70-71	0.026011	70,675	1,838	69,756	1,017,713	14.4
71-72	0.028223	68,837	1,943	67,865	947,957	13.8
72-73	0.030738	66,894	2,056	65,866	880,092	13.2
73-74	0.033548	64,838	2,175	63,750	814,226	12.6
74-75	0.036614	62,663	2,294	61,515	750,476	12.0
75-76	0.039935	60,368	2,411	59,163	688,960	11.4
76-77	0.043459	57,957	2,519	56,698	629,798	10.9
77-78	0.047279	55,439	2,621	54,128	573,099	10.3

Table IX. Life table for black females: United States, 2002

Age	Probability	Number surviving to age x $l^x$	Number dying between ages x to x+1 $d^x$	Person-years lived between ages x to x+1 $L^x$	Total	Expectation of life at age x $e^x$
	of dying between ages x to x+1 $q^x$				number of person-years lived above age x $T^x$	
78-79	0.051416	52,818	2,716	51,460	518,971	9.8
79-80	0.055894	50,102	2,800	48,702	467,512	9.3
80-81	0.060737	47,302	2,873	45,865	418,810	8.9
81-82	0.065970	44,429	2,931	42,963	372,945	8.4
82-83	0.071620	41,498	2,972	40,012	329,982	8.0
83-84	0.077713	38,526	2,994	37,029	289,970	7.5
84-85	0.084278	35,532	2,995	34,034	252,941	7.1
85-86	0.091342	32,537	2,972	31,051	218,907	6.7
86-87	0.098934	29,565	2,925	28,103	187,856	6.4
87-88	0.107084	26,640	2,853	25,214	159,753	6.0
88-89	0.115818	23,787	2,755	22,410	134,539	5.7
89-90	0.125164	21,032	2,633	19,716	112,129	5.3
90-91	0.135150	18,400	2,487	17,157	92,413	5.0
91-92	0.145800	15,913	2,320	14,753	75,257	4.7
92-93	0.157136	13,593	2,136	12,525	60,504	4.5
93-94	0.169179	11,457	1,938	10,488	47,978	4.2
94-95	0.181946	9,519	1,732	8,653	37,491	3.9
95-96	0.195450	7,787	1,522	7,026	28,838	3.7
96-97	0.209699	6,265	1,314	5,608	21,812	3.5
97-98	0.224696	4,951	1,113	4,395	16,204	3.3
98-99	0.240440	3,839	923	3,377	11,809	3.1
99-100	0.256922	2,916	749	2,541	8,432	2.9
100 and over	1.000000	2,167	2,167	5,890	5,890	2.7