

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\\_2003.pdf](https://www.cdc.gov/nchs/data/dvs/LEWK3_2003.pdf)

Table VIII. Life table for black males: United States, 2003

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	0.015565	100,000	1,557	98,616	6,877,837	68.8
1-2	0.000858	98,443	84	98,401	6,779,221	68.9
2-3	0.000543	98,359	53	98,332	6,680,819	67.9
3-4	0.000437	98,306	43	98,284	6,582,487	67.0
4-5	0.000290	98,263	28	98,248	6,484,203	66.0
5-6	0.000275	98,234	27	98,221	6,385,954	65.0
6-7	0.000239	98,207	23	98,196	6,287,734	64.0
7-8	0.000212	98,184	21	98,173	6,189,538	63.0
8-9	0.000189	98,163	19	98,154	6,091,365	62.1
9-10	0.000172	98,144	17	98,136	5,993,211	61.1
10-11	0.000169	98,128	17	98,119	5,895,075	60.1
11-12	0.000194	98,111	19	98,102	5,796,956	59.1
12-13	0.000262	98,092	26	98,079	5,698,854	58.1
13-14	0.000387	98,066	38	98,047	5,600,775	57.1
14-15	0.000563	98,028	55	98,001	5,502,727	56.1
15-16	0.000765	97,973	75	97,936	5,404,727	55.2
16-17	0.000977	97,898	96	97,850	5,306,791	54.2
17-18	0.001210	97,803	118	97,743	5,208,940	53.3
18-19	0.001450	97,684	142	97,613	5,111,197	52.3
19-20	0.001681	97,543	164	97,461	5,013,583	51.4
20-21	0.001922	97,379	187	97,285	4,916,123	50.5
21-22	0.002149	97,192	209	97,087	4,818,838	49.6
22-23	0.002318	96,983	225	96,870	4,721,751	48.7
23-24	0.002411	96,758	233	96,641	4,624,880	47.8
24-25	0.002446	96,525	236	96,407	4,528,239	46.9
25-26	0.002464	96,289	237	96,170	4,431,833	46.0
26-27	0.002489	96,051	239	95,932	4,335,663	45.1
27-28	0.002501	95,812	240	95,692	4,239,731	44.3
28-29	0.002506	95,573	240	95,453	4,144,038	43.4
29-30	0.002510	95,333	239	95,213	4,048,586	42.5
30-31	0.002512	95,094	239	94,974	3,953,372	41.6
31-32	0.002526	94,855	240	94,735	3,858,398	40.7
32-33	0.002648	94,615	250	94,490	3,763,663	39.8
33-34	0.002675	94,365	252	94,239	3,669,173	38.9
34-35	0.002819	94,112	265	93,980	3,574,934	38.0
35-36	0.002990	93,847	281	93,707	3,480,954	37.1
36-37	0.003180	93,567	298	93,418	3,387,247	36.2
37-38	0.003406	93,269	318	93,110	3,293,830	35.3
38-39	0.003667	92,951	341	92,781	3,200,719	34.4

Table VIII. Life table for black males: United States, 2003

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	0.003958	92,610	367	92,427	3,107,939	33.6
40-41	0.004261	92,244	393	92,047	3,015,511	32.7
41-42	0.004592	91,851	422	91,640	2,923,464	31.8
42-43	0.004986	91,429	456	91,201	2,831,824	31.0
43-44	0.005465	90,973	497	90,725	2,740,623	30.1
44-45	0.006026	90,476	545	90,203	2,649,898	29.3
45-46	0.006629	89,931	596	89,633	2,559,695	28.5
46-47	0.007261	89,335	649	89,010	2,470,062	27.6
47-48	0.007957	88,686	706	88,333	2,381,052	26.8
48-49	0.008723	87,980	767	87,597	2,292,718	26.1
49-50	0.009552	87,213	833	86,796	2,205,122	25.3
50-51	0.010481	86,380	905	85,927	2,118,325	24.5
51-52	0.011460	85,475	980	84,985	2,032,398	23.8
52-53	0.012387	84,495	1,047	83,972	1,947,413	23.0
53-54	0.013205	83,448	1,102	82,897	1,863,442	22.3
54-55	0.013957	82,346	1,149	81,772	1,780,544	21.6
55-56	0.014735	81,197	1,196	80,599	1,698,773	20.9
56-57	0.015648	80,001	1,252	79,375	1,618,174	20.2
57-58	0.016720	78,749	1,317	78,091	1,538,799	19.5
58-59	0.017997	77,432	1,394	76,735	1,460,708	18.9
59-60	0.019453	76,039	1,479	75,299	1,383,973	18.2
60-61	0.021074	74,559	1,571	73,774	1,308,674	17.6
61-62	0.022799	72,988	1,664	72,156	1,234,900	16.9
62-63	0.024523	71,324	1,749	70,450	1,162,744	16.3
63-64	0.026136	69,575	1,818	68,666	1,092,294	15.7
64-65	0.027656	67,757	1,874	66,820	1,023,629	15.1
65-66	0.029122	65,883	1,919	64,923	956,809	14.5
66-67	0.030803	63,964	1,970	62,979	891,885	13.9
67-68	0.032879	61,994	2,038	60,975	828,906	13.4
68-69	0.035450	59,956	2,125	58,893	767,932	12.8
69-70	0.038425	57,830	2,222	56,719	709,039	12.3
70-71	0.041613	55,608	2,314	54,451	652,320	11.7
71-72	0.044946	53,294	2,395	52,096	597,869	11.2
72-73	0.048505	50,899	2,469	49,664	545,772	10.7
73-74	0.052288	48,430	2,532	47,164	496,108	10.2
74-75	0.056310	45,897	2,584	44,605	448,945	9.8
75-76	0.060604	43,313	2,625	42,001	404,339	9.3
76-77	0.065041	40,688	2,646	39,365	362,339	8.9
77-78	0.069779	38,042	2,654	36,714	322,974	8.5

Table VIII. Life table for black males: United States, 2003

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	0.074834	35,387	2,648	34,063	286,260	8.1
79-80	0.080224	32,739	2,626	31,426	252,197	7.7
80-81	0.085967	30,113	2,589	28,818	220,771	7.3
81-82	0.092079	27,524	2,534	26,257	191,953	7.0
82-83	0.098578	24,990	2,463	23,758	165,696	6.6
83-84	0.105484	22,526	2,376	21,338	141,938	6.3
84-85	0.112812	20,150	2,273	19,013	120,600	6.0
85-86	0.120581	17,877	2,156	16,799	101,587	5.7
86-87	0.128808	15,721	2,025	14,709	84,788	5.4
87-88	0.137508	13,696	1,883	12,755	70,079	5.1
88-89	0.146696	11,813	1,733	10,946	57,325	4.9
89-90	0.156387	10,080	1,576	9,292	46,378	4.6
90-91	0.166594	8,504	1,417	7,795	37,086	4.4
91-92	0.177326	7,087	1,257	6,459	29,291	4.1
92-93	0.188594	5,830	1,100	5,280	22,833	3.9
93-94	0.200403	4,731	948	4,257	17,552	3.7
94-95	0.212757	3,783	805	3,380	13,296	3.5
95-96	0.225658	2,978	672	2,642	9,915	3.3
96-97	0.239104	2,306	551	2,030	7,273	3.2
97-98	0.253090	1,755	444	1,533	5,243	3.0
98-99	0.267605	1,310	351	1,135	3,711	2.8
99-100	0.282638	960	271	824	2,576	2.7
100 and over	1.000000	689	689	1,751	1,751	2.5

Table IX. Life table for black females: United States, 2003

Age	Probability	Number surviving to age x $l^x$	Number	Person-years	Total	Expectation of life at age x $e^x$
	of dying between ages x to x+1 $q^x$		dying between ages x to x+1 $d^x$	lived between ages x to x+1 $L^x$	number of person-years lived above age x $T^x$	
0-1	0.012448	100,000	1,245	98,896	7,557,499	75.6
1-2	0.000608	98,755	60	98,725	7,458,603	75.5
2-3	0.000457	98,695	45	98,673	7,359,878	74.6
3-4	0.000321	98,650	32	98,634	7,261,205	73.6
4-5	0.000185	98,618	18	98,609	7,162,571	72.6
5-6	0.000223	98,600	22	98,589	7,063,962	71.6
6-7	0.000189	98,578	19	98,569	6,965,373	70.7
7-8	0.000167	98,560	16	98,551	6,866,804	69.7
8-9	0.000156	98,543	15	98,535	6,768,252	68.7
9-10	0.000155	98,528	15	98,520	6,669,717	67.7
10-11	0.000163	98,512	16	98,504	6,571,197	66.7
11-12	0.000176	98,496	17	98,488	6,472,693	65.7
12-13	0.000194	98,479	19	98,469	6,374,205	64.7
13-14	0.000216	98,460	21	98,449	6,275,735	63.7
14-15	0.000243	98,439	24	98,427	6,177,286	62.8
15-16	0.000275	98,415	27	98,401	6,078,859	61.8
16-17	0.000315	98,388	31	98,372	5,980,458	60.8
17-18	0.000367	98,357	36	98,339	5,882,086	59.8
18-19	0.000433	98,321	43	98,299	5,783,747	58.8
19-20	0.000506	98,278	50	98,253	5,685,448	57.9
20-21	0.000585	98,228	57	98,200	5,587,195	56.9
21-22	0.000662	98,171	65	98,138	5,488,995	55.9
22-23	0.000724	98,106	71	98,070	5,390,857	54.9
23-24	0.000767	98,035	75	97,997	5,292,787	54.0
24-25	0.000798	97,960	78	97,921	5,194,789	53.0
25-26	0.000832	97,882	81	97,841	5,096,869	52.1
26-27	0.000878	97,800	86	97,757	4,999,028	51.1
27-28	0.000930	97,714	91	97,669	4,901,271	50.2
28-29	0.000989	97,623	97	97,575	4,803,602	49.2
29-30	0.001052	97,527	103	97,475	4,706,027	48.3
30-31	0.001119	97,424	109	97,370	4,608,552	47.3
31-32	0.001196	97,315	116	97,257	4,511,182	46.4
32-33	0.001315	97,199	128	97,135	4,413,925	45.4
33-34	0.001422	97,071	138	97,002	4,316,790	44.5
34-35	0.001577	96,933	153	96,856	4,219,789	43.5
35-36	0.001745	96,780	169	96,696	4,122,932	42.6
36-37	0.001921	96,611	186	96,518	4,026,236	41.7
37-38	0.002114	96,426	204	96,324	3,929,718	40.8
38-39	0.002318	96,222	223	96,110	3,833,394	39.8

39-40	0.002531	95,999	243	95,877	3,737,284	38.9
40-41	0.002747	95,756	263	95,624	3,641,407	38.0
41-42	0.002971	95,493	284	95,351	3,545,783	37.1
42-43	0.003218	95,209	306	95,056	3,450,432	36.2
43-44	0.003497	94,903	332	94,737	3,355,376	35.4
44-45	0.003811	94,571	360	94,391	3,260,639	34.5
45-46	0.004146	94,210	391	94,015	3,166,249	33.6
46-47	0.004495	93,820	422	93,609	3,072,234	32.7
47-48	0.004861	93,398	454	93,171	2,978,625	31.9
48-49	0.005243	92,944	487	92,700	2,885,454	31.0
49-50	0.005640	92,457	521	92,196	2,792,753	30.2
50-51	0.006076	91,935	559	91,656	2,700,557	29.4
51-52	0.006542	91,377	598	91,078	2,608,901	28.6
52-53	0.007002	90,779	636	90,461	2,517,824	27.7
53-54	0.007447	90,143	671	89,808	2,427,362	26.9
54-55	0.007900	89,472	707	89,119	2,337,555	26.1
55-56	0.008392	88,765	745	88,393	2,248,436	25.3
56-57	0.008967	88,020	789	87,626	2,160,043	24.5
57-58	0.009645	87,231	841	86,810	2,072,418	23.8
58-59	0.010441	86,390	902	85,939	1,985,607	23.0
59-60	0.011337	85,488	969	85,003	1,899,668	22.2
60-61	0.012337	84,519	1,043	83,997	1,814,665	21.5
61-62	0.013415	83,476	1,120	82,916	1,730,668	20.7
62-63	0.014508	82,356	1,195	81,759	1,647,752	20.0
63-64	0.015567	81,161	1,263	80,530	1,565,993	19.3
64-65	0.016608	79,898	1,327	79,234	1,485,464	18.6
65-66	0.017668	78,571	1,388	77,877	1,406,229	17.9
66-67	0.018727	77,183	1,445	76,460	1,328,352	17.2
67-68	0.020011	75,737	1,516	74,980	1,251,892	16.5
68-69	0.021567	74,222	1,601	73,421	1,176,913	15.9
69-70	0.023371	72,621	1,697	71,772	1,103,491	15.2
70-71	0.025345	70,924	1,798	70,025	1,031,719	14.5
71-72	0.027510	69,126	1,902	68,175	961,694	13.9
72-73	0.029949	67,225	2,013	66,218	893,518	13.3
73-74	0.032667	65,211	2,130	64,146	827,300	12.7
74-75	0.035658	63,081	2,249	61,956	763,154	12.1
75-76	0.038941	60,832	2,369	59,647	701,198	11.5
76-77	0.042420	58,463	2,480	57,223	641,551	11.0
77-78	0.046196	55,983	2,586	54,690	584,328	10.4
78-79	0.050291	53,397	2,685	52,054	529,638	9.9
79-80	0.054728	50,711	2,775	49,324	477,584	9.4
80-81	0.059531	47,936	2,854	46,509	428,260	8.9
81-82	0.064727	45,082	2,918	43,623	381,751	8.5
82-83	0.070343	42,164	2,966	40,681	338,128	8.0
83-84	0.076406	39,198	2,995	37,701	297,447	7.6
84-85	0.082945	36,203	3,003	34,702	259,746	7.2

85-86	0.089990	33,200	2,988	31,707	225,044	6.8
86-87	0.097568	30,213	2,948	28,739	193,338	6.4
87-88	0.105711	27,265	2,882	25,824	164,599	6.0
88-89	0.114448	24,383	2,791	22,987	138,775	5.7
89-90	0.123806	21,592	2,673	20,256	115,787	5.4
90-91	0.133815	18,919	2,532	17,653	95,532	5.0
91-92	0.144498	16,387	2,368	15,203	77,879	4.8
92-93	0.155882	14,019	2,185	12,927	62,675	4.5
93-94	0.167986	11,834	1,988	10,840	49,749	4.2
94-95	0.180828	9,846	1,780	8,956	38,909	4.0
95-96	0.194423	8,066	1,568	7,282	29,953	3.7
96-97	0.208779	6,497	1,357	5,819	22,671	3.5
97-98	0.223901	5,141	1,151	4,565	16,852	3.3
98-99	0.239786	3,990	957	3,512	12,287	3.1
99-100	0.256426	3,033	778	2,644	8,775	2.9
100 and over	1.000000	2,255	2,255	6,131	6,131	2.7

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