

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 (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_2004.pdf

Table VIII. Life table for black males: United States, 2004

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	0.015251	100,000	1,525	98,662	6,926,814	69.3
1-2	0.000764	98,475	75	98,437	6,828,152	69.3
2-3	0.000469	98,400	46	98,377	6,729,714	68.4
3-4	0.000395	98,354	39	98,334	6,631,338	67.4
4-5	0.000306	98,315	30	98,300	6,533,004	66.4
5-6	0.000282	98,285	28	98,271	6,434,704	65.5
6-7	0.000260	98,257	26	98,244	6,336,433	64.5
7-8	0.000238	98,231	23	98,220	6,238,189	63.5
8-9	0.000207	98,208	20	98,198	6,139,969	62.5
9-10	0.000173	98,188	17	98,179	6,041,772	61.5
10-11	0.000149	98,171	15	98,163	5,943,592	60.5
11-12	0.000157	98,156	15	98,148	5,845,429	59.6
12-13	0.000220	98,141	22	98,130	5,747,281	58.6
13-14	0.000354	98,119	35	98,102	5,649,151	57.6
14-15	0.000549	98,084	54	98,057	5,551,049	56.6
15-16	0.000774	98,030	76	97,993	5,452,992	55.6
16-17	0.001002	97,955	98	97,905	5,354,999	54.7
17-18	0.001232	97,856	121	97,796	5,257,094	53.7
18-19	0.001443	97,736	141	97,665	5,159,298	52.8
19-20	0.001628	97,595	159	97,515	5,061,633	51.9
20-21	0.001816	97,436	177	97,347	4,964,117	50.9
21-22	0.002001	97,259	195	97,162	4,866,770	50.0
22-23	0.002148	97,064	208	96,960	4,769,608	49.1
23-24	0.002247	96,856	218	96,747	4,672,648	48.2
24-25	0.002310	96,638	223	96,527	4,575,901	47.4
25-26	0.002365	96,415	228	96,301	4,479,375	46.5
26-27	0.002422	96,187	233	96,070	4,383,074	45.6
27-28	0.002463	95,954	236	95,836	4,287,003	44.7
28-29	0.002486	95,718	238	95,599	4,191,167	43.8
29-30	0.002499	95,480	239	95,360	4,095,568	42.9
30-31	0.002508	95,241	239	95,122	4,000,208	42.0
31-32	0.002528	95,002	240	94,882	3,905,086	41.1
32-33	0.002637	94,762	250	94,637	3,810,204	40.2
33-34	0.002638	94,512	249	94,388	3,715,567	39.3
34-35	0.002739	94,263	258	94,134	3,621,179	38.4
35-36	0.002864	94,005	269	93,870	3,527,045	37.5
36-37	0.003013	93,736	282	93,594	3,433,175	36.6
37-38	0.003196	93,453	299	93,304	3,339,581	35.7
38-39	0.003411	93,154	318	92,996	3,246,277	34.8

Table VIII. Life table for black males: United States, 2004

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	0.003657	92,837	339	92,667	3,153,281	34.0
40-41	0.003908	92,497	361	92,316	3,060,614	33.1
41-42	0.004190	92,136	386	91,943	2,968,298	32.2
42-43	0.004557	91,750	418	91,541	2,876,355	31.4
43-44	0.005040	91,332	460	91,101	2,784,815	30.5
44-45	0.005627	90,871	511	90,616	2,693,713	29.6
45-46	0.006270	90,360	567	90,077	2,603,098	28.8
46-47	0.006934	89,793	623	89,482	2,513,021	28.0
47-48	0.007644	89,171	682	88,830	2,423,539	27.2
48-49	0.008393	88,489	743	88,118	2,334,709	26.4
49-50	0.009187	87,747	806	87,343	2,246,591	25.6
50-51	0.010064	86,940	875	86,503	2,159,247	24.8
51-52	0.011005	86,065	947	85,592	2,072,744	24.1
52-53	0.011933	85,118	1,016	84,610	1,987,152	23.3
53-54	0.012806	84,103	1,077	83,564	1,902,542	22.6
54-55	0.013648	83,026	1,133	82,459	1,818,978	21.9
55-56	0.014537	81,892	1,190	81,297	1,736,519	21.2
56-57	0.015530	80,702	1,253	80,075	1,655,222	20.5
57-58	0.016606	79,449	1,319	78,789	1,575,147	19.8
58-59	0.017783	78,129	1,389	77,435	1,496,358	19.2
59-60	0.019070	76,740	1,463	76,008	1,418,923	18.5
60-61	0.020497	75,276	1,543	74,505	1,342,915	17.8
61-62	0.022059	73,734	1,626	72,920	1,268,410	17.2
62-63	0.023685	72,107	1,708	71,253	1,195,490	16.6
63-64	0.025285	70,399	1,780	69,509	1,124,237	16.0
64-65	0.026839	68,619	1,842	67,698	1,054,728	15.4
65-66	0.028379	66,778	1,895	65,830	987,029	14.8
66-67	0.030014	64,883	1,947	63,909	921,199	14.2
67-68	0.031934	62,935	2,010	61,930	857,290	13.6
68-69	0.034224	60,925	2,085	59,883	795,360	13.1
69-70	0.036862	58,840	2,169	57,756	735,477	12.5
70-71	0.039716	56,671	2,251	55,546	677,721	12.0
71-72	0.042803	54,421	2,329	53,256	622,176	11.4
72-73	0.046248	52,091	2,409	50,887	568,920	10.9
73-74	0.050036	49,682	2,486	48,439	518,033	10.4
74-75	0.054097	47,196	2,553	45,920	469,594	9.9
75-76	0.058389	44,643	2,607	43,340	423,674	9.5
76-77	0.062786	42,036	2,639	40,717	380,335	9.0
77-78	0.067490	39,397	2,659	38,068	339,618	8.6

Table VIII. Life table for black males: United States, 2004

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	0.072519	36,738	2,664	35,406	301,550	8.2
79-80	0.077892	34,074	2,654	32,747	266,144	7.8
80-81	0.083627	31,420	2,628	30,106	233,397	7.4
81-82	0.089743	28,792	2,584	27,500	203,291	7.1
82-83	0.096260	26,208	2,523	24,947	175,791	6.7
83-84	0.103196	23,686	2,444	22,463	150,844	6.4
84-85	0.110571	21,241	2,349	20,067	128,380	6.0
85-86	0.118403	18,893	2,237	17,774	108,313	5.7
86-87	0.126711	16,656	2,110	15,600	90,539	5.4
87-88	0.135512	14,545	1,971	13,560	74,939	5.2
88-89	0.144824	12,574	1,821	11,664	61,379	4.9
89-90	0.154660	10,753	1,663	9,922	49,715	4.6
90-91	0.165036	9,090	1,500	8,340	39,794	4.4
91-92	0.175963	7,590	1,336	6,922	31,454	4.1
92-93	0.187451	6,254	1,172	5,668	24,531	3.9
93-94	0.199507	5,082	1,014	4,575	18,863	3.7
94-95	0.212137	4,068	863	3,637	14,288	3.5
95-96	0.225341	3,205	722	2,844	10,652	3.3
96-97	0.239117	2,483	594	2,186	7,808	3.1
97-98	0.253460	1,889	479	1,650	5,622	3.0
98-99	0.268359	1,410	378	1,221	3,972	2.8
99-100	0.283802	1,032	293	885	2,751	2.7
100 and over	1.000000	739	739	1,865	1,865	2.5

Table IX. Life table for black females: United States, 2004

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	0.012367	100,000	1,237	98,912	7,597,716	76.0
1-2	0.000664	98,763	66	98,731	7,498,805	75.9
2-3	0.000413	98,698	41	98,677	7,400,074	75.0
3-4	0.000300	98,657	30	98,642	7,301,397	74.0
4-5	0.000251	98,627	25	98,615	7,202,754	73.0
5-6	0.000239	98,603	24	98,591	7,104,140	72.0
6-7	0.000212	98,579	21	98,569	7,005,549	71.1
7-8	0.000194	98,558	19	98,549	6,906,980	70.1
8-9	0.000183	98,539	18	98,530	6,808,432	69.1
9-10	0.000180	98,521	18	98,512	6,709,902	68.1
10-11	0.000183	98,503	18	98,494	6,611,390	67.1
11-12	0.000193	98,485	19	98,476	6,512,895	66.1
12-13	0.000211	98,466	21	98,456	6,414,420	65.1
13-14	0.000236	98,445	23	98,434	6,315,964	64.2
14-15	0.000270	98,422	27	98,409	6,217,530	63.2
15-16	0.000311	98,396	31	98,380	6,119,121	62.2
16-17	0.000357	98,365	35	98,347	6,020,741	61.2
17-18	0.000407	98,330	40	98,310	5,922,393	60.2
18-19	0.000458	98,290	45	98,267	5,824,083	59.3
19-20	0.000510	98,245	50	98,220	5,725,816	58.3
20-21	0.000564	98,195	55	98,167	5,627,596	57.3
21-22	0.000622	98,139	61	98,109	5,529,429	56.3
22-23	0.000675	98,078	66	98,045	5,431,320	55.4
23-24	0.000725	98,012	71	97,977	5,333,275	54.4
24-25	0.000773	97,941	76	97,903	5,235,298	53.5
25-26	0.000827	97,865	81	97,825	5,137,395	52.5
26-27	0.000888	97,784	87	97,741	5,039,570	51.5
27-28	0.000950	97,698	93	97,651	4,941,829	50.6
28-29	0.001008	97,605	98	97,556	4,844,178	49.6
29-30	0.001066	97,506	104	97,454	4,746,622	48.7
30-31	0.001131	97,402	110	97,347	4,649,167	47.7
31-32	0.001206	97,292	117	97,234	4,551,820	46.8
32-33	0.001304	97,175	127	97,112	4,454,586	45.8
33-34	0.001373	97,048	133	96,982	4,357,475	44.9
34-35	0.001472	96,915	143	96,844	4,260,493	44.0
35-36	0.001576	96,772	153	96,696	4,163,649	43.0
36-37	0.001701	96,620	164	96,538	4,066,953	42.1
37-38	0.001873	96,456	181	96,365	3,970,415	41.2
38-39	0.002097	96,275	202	96,174	3,874,050	40.2

Table IX. Life table for black females: United States, 2004

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	0.002354	96,073	226	95,960	3,777,876	39.3
40-41	0.002618	95,847	251	95,721	3,681,916	38.4
41-42	0.002878	95,596	275	95,458	3,586,195	37.5
42-43	0.003141	95,321	299	95,171	3,490,737	36.6
43-44	0.003415	95,021	325	94,859	3,395,566	35.7
44-45	0.003707	94,697	351	94,521	3,300,706	34.9
45-46	0.004016	94,346	379	94,156	3,206,185	34.0
46-47	0.004342	93,967	408	93,763	3,112,029	33.1
47-48	0.004688	93,559	439	93,340	3,018,266	32.3
48-49	0.005056	93,120	471	92,885	2,924,926	31.4
49-50	0.005446	92,649	505	92,397	2,832,041	30.6
50-51	0.005872	92,145	541	91,874	2,739,644	29.7
51-52	0.006326	91,604	579	91,314	2,647,770	28.9
52-53	0.006784	91,024	618	90,716	2,556,456	28.1
53-54	0.007237	90,407	654	90,080	2,465,740	27.3
54-55	0.007699	89,753	691	89,407	2,375,661	26.5
55-56	0.008203	89,062	731	88,696	2,286,253	25.7
56-57	0.008771	88,331	775	87,944	2,197,557	24.9
57-58	0.009404	87,556	823	87,145	2,109,614	24.1
58-59	0.010108	86,733	877	86,294	2,022,469	23.3
59-60	0.010888	85,856	935	85,389	1,936,175	22.6
60-61	0.011765	84,921	999	84,422	1,850,786	21.8
61-62	0.012737	83,922	1,069	83,388	1,766,364	21.0
62-63	0.013760	82,853	1,140	82,283	1,682,977	20.3
63-64	0.014792	81,713	1,209	81,109	1,600,693	19.6
64-65	0.015832	80,505	1,275	79,867	1,519,584	18.9
65-66	0.016911	79,230	1,340	78,560	1,439,717	18.2
66-67	0.017999	77,890	1,402	77,189	1,361,157	17.5
67-68	0.019271	76,488	1,474	75,751	1,283,968	16.8
68-69	0.020772	75,014	1,558	74,235	1,208,216	16.1
69-70	0.022498	73,456	1,653	72,630	1,133,981	15.4
70-71	0.024394	71,803	1,752	70,928	1,061,351	14.8
71-72	0.026496	70,052	1,856	69,124	990,424	14.1
72-73	0.028884	68,196	1,970	67,211	921,300	13.5
73-74	0.031558	66,226	2,090	65,181	854,089	12.9
74-75	0.034494	64,136	2,212	63,030	788,908	12.3
75-76	0.037694	61,924	2,334	60,757	725,878	11.7
76-77	0.041082	59,590	2,448	58,366	665,121	11.2
77-78	0.044759	57,142	2,558	55,863	606,756	10.6

Table IX. Life table for black females: United States, 2004

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	
78-79	0.048749	54,584	2,661	53,254	550,893	10.1
79-80	0.053075	51,923	2,756	50,545	497,639	9.6
80-81	0.057762	49,167	2,840	47,747	447,094	9.1
81-82	0.062834	46,327	2,911	44,872	399,347	8.6
82-83	0.068320	43,416	2,966	41,933	354,475	8.2
83-84	0.074247	40,450	3,003	38,948	312,542	7.7
84-85	0.080644	37,447	3,020	35,937	273,594	7.3
85-86	0.087540	34,427	3,014	32,920	237,657	6.9
86-87	0.094964	31,413	2,983	29,922	204,737	6.5
87-88	0.102948	28,430	2,927	26,967	174,815	6.1
88-89	0.111519	25,503	2,844	24,081	147,848	5.8
89-90	0.120708	22,659	2,735	21,292	123,767	5.5
90-91	0.130543	19,924	2,601	18,624	102,476	5.1
91-92	0.141051	17,323	2,443	16,101	83,852	4.8
92-93	0.152257	14,880	2,266	13,747	67,751	4.6
93-94	0.164183	12,614	2,071	11,579	54,004	4.3
94-95	0.176848	10,543	1,865	9,611	42,425	4.0
95-96	0.190267	8,679	1,651	7,853	32,814	3.8
96-97	0.204452	7,027	1,437	6,309	24,962	3.6
97-98	0.219408	5,591	1,227	4,977	18,653	3.3
98-99	0.235134	4,364	1,026	3,851	13,675	3.1
99-100	0.251624	3,338	840	2,918	9,824	2.9
100 and over	1.000000	2,498	2,498	6,907	6,907	2.8