U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics (2010): **United States Life Tables, 2005.** 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_2005.pdf

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Table 8. Life table for black males: United States, 2005

Age	Probability of dying between ages x to $x+1$	Number surviving to age x	Number dying between ages x to $x+1$	Person-years lived between ages x to $x+1$	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	0.015197	100,000	1,520	98,667	6,930,938	69.3
1–2	0.000721	98,480	71	98,445	6,832,270	69.4
2–3	0.000449	98,409	44	98,387	6,733,826	68.4
3–4	0.000445	98,365	44	98,343	6,635,438	67.5
4–5	0.000254	98,321	25	98,309	6,537,095	66.5
5–6	0.000272	98,296	27	98,283	6,438,786	65.5
6–7	0.000252	98,270	25	98,257	6,340,503	64.5
7–8	0.000233	98,245	23	98,234	6,242,246	63.5
8–9	0.000205	98,222	20	98,212	6,144,012	62.6
9–10	0.000173	98,202	17	98,193	6,045,800	61.6
10–11	0.000152	98,185	15	98,178	5,947,607	60.6
11–12	0.000165	98,170	16	98,162	5,849,429	59.6
12–13	0.000238	98,154	23	98,142	5,751,267	58.6
13–14	0.000387	98,131	38	98,112	5,653,125	57.6
14–15	0.000597	98,093	59	98,063	5,555,013	56.6
15–16	0.000830	98,034	81	97,993	5,456,950	55.7
16–17	0.001059	97,953	104	97,901	5,358,957	54.7
17–18	0.001288	97,849	126	97,786	5,261,056	53.8
18–19	0.001503	97,723	147	97,650	5,163,270	52.8
19–20	0.001703	97,576	166	97,493	5,065,620	51.9
20–21	0.001916	97,410	187	97,317	4,968,127	51.0
21–22	0.002124	97,223	207	97,120	4,870,811	50.1
22–23	0.002277	97,017	221	96,906	4,773,691	49.2
23–24	0.002352	96,796	228	96,682	4,676,784	48.3
24–25	0.002366	96,568	228	96,454	4,580,102	47.4
25–26	0.002355	96,340	227	96,226	4,483,648	46.5
26–27	0.002352	96,113	226	96,000	4,387,422	45.6
27–28	0.002363	95,887	227	95,774	4,291,422	44.8
28–29	0.002406	95,660	230	95,545	4,195,649	43.9
29–30	0.002475	95,430	236	95,312	4,100,103	43.0
30–31	0.002557	95,194	243	95,072	4,004,791	42.1
31–32	0.002637	94,950	250	94,825	3,909,719	41.2
32–33	0.002772	94,700	263	94,569	3,814,894	40.3
33–34	0.002776	94,438	262	94,306	3,720,325	39.4
34–35	0.002840	94,175	267	94,042	3,626,019	38.5
35–36	0.002921	93,908	274	93,771	3,531,977	37.6
36–37	0.003034	93,634	284	93,492	3,438,206	36.7
37–38	0.003186	93,350	297	93,201	3,344,715	35.8
38–39	0.003386	93,052	315	92,895	3,251,514	34.9
39–40	0.003627	92,737	336	92,569	3,158,619	34.1
40–41	0.003879	92,401	358	92,222	3,066,050	33.2
41–42	0.004159	92,042	383	91,851	2,973,829	32.3
42–43	0.004524	91,660	415	91,452	2,881,978	31.4
43–44	0.005001	91,245	456	91,017	2,790,526	30.6
44–45	0.005573	90,789	506	90,536	2,699,509	29.7
45–46	0.006191	90,283	559	90,003	2,608,974	28.9
46–47	0.006828	89,724	613	89,417	2,518,970	28.1
47–48	0.007513	89,111	669	88,776	2,429,553	27.3
48–49	0.008257	88,442	730	88,076	2,340,777	26.5
49–50	0.009067	87,711	795	87,314	2,252,700	25.7
50–51	0.009971	86,916	867	86,483	2,165,387	24.9
51–52	0.010942	86,049	942	85,579	2,078,904	24.2
52–53	0.011913	85,108	1,014	84,601	1,993,325	23.4
53–54	0.012826	84,094	1,079	83,555	1,908,724	22.7
54–55	0.013688	83,015	1,136	82,447	1,825,170	22.0
55–56	0.014575	81,879	1,193	81,282	1,742,722	21.3
56–57	0.015539	80,686	1,254	80,059	1,661,440	20.6
57–58	0.016567	79,432	1,316	78,774	1,581,381	19.9
58–59	0.017709	78,116	1,383	77,424	1,502,607	19.2
59–60	0.019001	76,733	1,458	76,004	1,425,183	18.6
60–61	0.020505	75,275	1,544	74,503	1,349,180	17.9
61–62	0.022185	73,731	1,636	72,913	1,274,677	17.3
62–63	0.023898	72,095	1,723	71,234	1,201,763	16.7
63–64	0.025444	70,372	1,791	69,477	1,130,530	16.1
64–65	0.026791	68,582	1,837	67,663	1,061,052	15.5
65–66	0.028037	66,745	1,871	65,809	993,389	14.9
66–67	0.029410	64,873	1,908	63,919	927,580	14.3

Table 8. Life table for black males: United States, 2005—Con.

Age	Probability of dying between ages x to x+1	Number surviving to age x	Number dying between ages x to x+1	Person-years lived between ages x to 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
67–68	0.031173	62,965	1,963	61,984	863,661	13.7
68–69	0.033439	61,002	2,040	59,983	801,677	13.1
69–70	0.036130	58,963	2,130	57,897	741,695	12.6
70–71	0.039048	56,832	2,219	55,723	683,797	12.0
71–72	0.042151	54,613	2,302	53,462	628,074	11.5
72–73	0.045564	52,311	2,384	51,119	574,612	11.0
73–74	0.049294	49,928	2,461	48,697	523,493	10.5
74–75	0.053324	47,466	2,531	46,201	474,796	10.0
75–76	0.057646	44,935	2,590	43,640	428,595	9.5
76–77	0.062036	42,345	2,627	41,032	384,955	9.1
77–78	0.066736	39,718	2,651	38,393	343,923	8.7
78–79	0.071766	37,068	2,660	35,737	305,530	8.2
79–80	0.077143	34,407	2,654	33,080	269,793	7.8
80–81	0.082888	31,753	2,632	30,437	236,713	7.5
81–82	0.089018	29,121	2,592	27,825	206,276	7.1
82–83	0.095555	26,529	2,535	25,261	178,451	6.7
83–84	0.102518	23,994	2,460	22,764	153,189	6.4
84–85	0.109927	21,534	2,367	20,350	130,426	6.1
85–86	0.117801	19,167	2,258	18,038	110,075	5.7
86–87	0.126159	16,909	2,133	15,842	92,037	5.4
87–88	0.135019	14,776	1,995	13,778	76,195	5.2
88–89	0.144398	12,781	1,846	11,858	62,416	4.9
89–90	0.154313	10,935	1,687	10,092	50,558	4.6
90–91	0.164778	9,248	1,524	8,486	40,467	4.4
91–92	0.175804	7,724	1,358	7,045	31,981	4.1
92–93	0.187403	6,366	1,193	5,770	24,936	3.9
93–94	0.199582	5,173	1,032	4,657	19,167	3.7
94–95	0.212346	4,141	879	3,701	14,510	3.5
95–96	0.225696	3,261	736	2,893	10,809	3.3
96–97	0.239629	2,525	605	2,223	7,915	3.1
97–98	0.254141	1,920	488	1,676	5,693	3.0
98–99	0.269220	1,432	386	1,239	4,017	2.8
99–100	0.284852	1,047	298	898	2,777	2.7
100 and over	1.000000	748	748	1,880	1,880	2.5

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Table 9. Life table for black females: United States, 2005

Age	Probability of dying between ages x to $x+1$	Number surviving to age x	Number dying between ages x to $x+1$	Person-years lived between ages x to $x+1$	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	0.012323	100,000	1,232	98,916	7,609,762	76.1
1–2	0.000598	98,768	59	98,738	7,510,846	76.0
2–3	0.000316	98,709	31	98,693	7,412,108	75.1
3–4	0.000260	98,677	26	98,665	7,313,415	74.1
4–5	0.000298	98,652	29	98,637	7,214,750	73.1
5–6	0.000230	98,622	23	98,611	7,116,113	72.2
6–7	0.000209	98,600	21	98,589	7,017,502	71.2
7–8	0.000193	98,579	19	98,570	6,918,913	70.2
8–9	0.000179	98,560	18	98,551	6,820,343	69.2
9–10	0.000169	98,542	17	98,534	6,721,792	68.2
10–11	0.000164	98,526	16	98,518	6,623,258	67.2
11–12	0.000167	98,510	16	98,501	6,524,741	66.2
12–13	0.000181	98,493	18	98,484	6,426,239	65.2
13–14	0.000208	98,475	20	98,465	6,327,755	64.3
14–15	0.000247	98,455	24	98,443	6,229,290	63.3
15–16	0.000292	98,431	29	98,416	6,130,847	62.3
16–17	0.000340	98,402	33	98,385	6,032,431	61.3
17–18	0.000389	98,368	38	98,349	5,934,045	60.3
18–19	0.000438	98,330	43	98,309	5,835,696	59.3
19–20	0.000487	98,287	48	98,263	5,737,387	58.4
20–21	0.000542	98,239	53	98,213	5,639,124	57.4
21–22	0.000601	98,186	59	98,157	5,540,911	56.4
22–23	0.000654	98,127	64	98,095	5,442,755	55.5
23–24	0.000698	98,063	68	98,029	5,344,660	54.5
24–25	0.000737	97,994	72	97,958	5,246,631	53.5
25–26	0.000777	97,922	76	97,884	5,148,673	52.6
26–27	0.000825	97,846	81	97,806	5,050,789	51.6
27–28	0.000881	97,765	86	97,722	4,952,983	50.7
28–29	0.000949	97,679	93	97,633	4,855,260	49.7
29–30	0.001027	97,587	100	97,537	4,757,627	48.8
30–31	0.001118	97,487	109	97,432	4,660,091	47.8
31–32	0.001216	97,378	118	97,318	4,562,659	46.9
32–33	0.001325	97,259	129	97,195	4,465,340	45.9
33–34	0.001404	97,130	136	97,062	4,368,146	45.0
34–35	0.001498	96,994	145	96,921	4,271,083	44.0
35–36	0.001596	96,849	155	96,771	4,174,162	43.1
36–37	0.001716	96,694	166	96,611	4,077,391	42.2
37–38	0.001871	96,528	181	96,438	3,980,780	41.2
38–39	0.002068	96,347	199	96,248	3,884,342	40.3
39–40	0.002294	96,148	221	96,038	3,788,094	39.4
40–41	0.002523	95,928	242	95,807	3,692,056	38.5
41–42	0.002756	95,686	264	95,554	3,596,250	37.6
42–43	0.003011	95,422	287	95,278	3,500,696	36.7
43–44	0.003300	95,135	314	94,978	3,405,417	35.8
44–45	0.003620	94,821	343	94,649	3,310,440	34.9
45–46	0.003957	94,477	374	94,291	3,215,791	34.0
46–47	0.004304	94,104	405	93,901	3,121,500	33.2
47–48	0.004672	93,699	438	93,480	3,027,599	32.3
48–49	0.005066	93,261	472	93,025	2,934,119	31.5
49–50	0.005489	92,788	509	92,534	2,841,095	30.6
50–51	0.005960	92,279	550	92,004	2,748,561	29.8
51–52	0.006458	91,729	592	91,433	2,656,557	29.0
52–53	0.006930	91,137	632	90,821	2,565,124	28.1
53–54	0.007341	90,505	664	90,173	2,474,303	27.3
54–55	0.007711	89,841	693	89,494	2,384,130	26.5
55–56	0.008079	89,148	720	88,788	2,294,635	25.7
56–57	0.008506	88,428	752	88,052	2,205,847	24.9
57–58	0.009028	87,676	792	87,280	2,117,796	24.2
58–59	0.009702	86,884	843	86,463	2,030,516	23.4
59–60	0.010538	86,041	907	85,588	1,944,053	22.6
60–61	0.011536	85,134	982	84,643	1,858,466	21.8
61–62	0.012643	84,152	1,064	83,620	1,773,822	21.1
62–63	0.013789	83,088	1,146	82,516	1,690,202	20.3
63–64	0.014857	81,943	1,217	81,334	1,607,686	19.6
64–65	0.015835	80,725	1,278	80,086	1,526,352	18.9
65–66	0.016822	79,447	1,336	78,779	1,446,266	18.2
66–67	0.017818	78,111	1,392	77,415	1,367,488	17.5

Table 9. Life table for black females: United States, 2005—Con.

Age	Probability of dying between ages x to x+1	Number surviving to age x	Number dying between ages x to x+1	Person-years lived between ages x to 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
67–68	0.019002	76,719	1,458	75,990	1,290,073	16.8
68–69	0.020432	75,261	1,538	74,492	1,214,083	16.1
69–70	0.022109	73,723	1,630	72,908	1,139,591	15.5
70–71	0.023968	72,093	1,728	71,229	1,066,683	14.8
71–72	0.026046	70,365	1,833	69,449	995,454	14.1
72–73	0.028435	68,533	1,949	67,558	926,005	13.5
73–74	0.031136	66,584	2,073	65,547	858,447	12.9
74–75	0.034118	64,511	2,201	63,410	792,900	12.3
75–76	0.037379	62,310	2,329	61,145	729,489	11.7
76–77	0.040791	59,981	2,447	58,757	668,344	11.1
77–78	0.044499	57,534	2,560	56,254	609,587	10.6
78–79	0.048528	54,974	2,668	53,640	553,333	10.1
79–80	0.052901	52,306	2,767	50,922	499,693	9.6
80–81	0.057645	49,539	2,856	48,111	448,771	9.1
81–82	0.062786	46,683	2,931	45,218	400,660	8.6
82–83	0.068352	43,752	2,991	42,257	355,442	8.1
83–84	0.074372	40,762	3,032	39,246	313,185	7.7
84–85	0.080876	37,730	3,051	36,204	273,939	7.3
85–86	0.087895	34,679	3,048	33,155	237,735	6.9
86–87	0.095460	31,631	3,019	30,121	204,580	6.5
87–88	0.103602	28,611	2,964	27,129	174,459	6.1
88–89	0.112353	25,647	2,882	24,206	147,330	5.7
89–90	0.121742	22,765	2,772	21,380	123,124	5.4
90–91	0.131799	19,994	2,635	18,676	101,745	5.1
91–92	0.142553	17,359	2,475	16,121	83,068	4.8
92–93	0.154028	14,884	2,293	13,738	66,947	4.5
93–94	0.166247	12,592	2,093	11,545	53,209	4.2
94–95	0.179231	10,498	1,882	9,558	41,664	4.0
95–96	0.192994	8,617	1,663	7,785	32,106	3.7
96–97	0.207546	6,954	1,443	6,232	24,321	3.5
97–98	0.222893	5,511	1,228	4,896	18,089	3.3
98–99	0.239032	4,282	1,024	3,770	13,193	3.1
99–100	0.255955	3,259	834	2,842	9,422	2.9
100 and over	1.000000	2,425	2,425	6,580	6,580	2.7