

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\\_2001.pdf](https://www.cdc.gov/nchs/data/dvs/LEWK3_2001.pdf)

Table VIII. Life table for black males: United States, 2001

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	0.015432	100,000	1,543	98,653	6,843,103	68.4
1-2	0.000889	98,457	87	98,413	6,744,450	68.5
2-3	0.000504	98,369	50	98,345	6,646,037	67.6
3-4	0.000390	98,320	38	98,301	6,547,692	66.6
4-5	0.000312	98,281	31	98,266	6,449,391	65.6
5-6	0.000284	98,251	28	98,237	6,351,125	64.6
6-7	0.000262	98,223	26	98,210	6,252,888	63.7
7-8	0.000243	98,197	24	98,185	6,154,678	62.7
8-9	0.000217	98,173	21	98,163	6,056,493	61.7
9-10	0.000188	98,152	18	98,143	5,958,331	60.7
10-11	0.000168	98,134	16	98,125	5,860,188	59.7
11-12	0.000179	98,117	18	98,108	5,762,063	58.7
12-13	0.000248	98,100	24	98,087	5,663,954	57.7
13-14	0.000393	98,075	39	98,056	5,565,867	56.8
14-15	0.000600	98,037	59	98,007	5,467,811	55.8
15-16	0.000834	97,978	82	97,937	5,369,804	54.8
16-17	0.001071	97,896	105	97,844	5,271,867	53.9
17-18	0.001316	97,791	129	97,727	5,174,023	52.9
18-19	0.001559	97,662	152	97,586	5,076,296	52.0
19-20	0.001791	97,510	175	97,423	4,978,710	51.1
20-21	0.002042	97,336	199	97,236	4,881,287	50.1
21-22	0.002286	97,137	222	97,026	4,784,051	49.3
22-23	0.002458	96,915	238	96,796	4,687,025	48.4
23-24	0.002530	96,677	245	96,554	4,590,230	47.5
24-25	0.002523	96,432	243	96,310	4,493,675	46.6
25-26	0.002486	96,189	239	96,069	4,397,365	45.7
26-27	0.002461	95,950	236	95,831	4,301,296	44.8
27-28	0.002445	95,713	234	95,596	4,205,464	43.9
28-29	0.002455	95,479	234	95,362	4,109,868	43.0
29-30	0.002491	95,245	237	95,126	4,014,506	42.1
30-31	0.002529	95,008	240	94,888	3,919,379	41.3
31-32	0.002575	94,767	244	94,645	3,824,492	40.4
32-33	0.002710	94,523	256	94,395	3,729,846	39.5
33-34	0.002793	94,267	263	94,136	3,635,451	38.6
34-35	0.002967	94,004	279	93,865	3,541,315	37.7
35-36	0.003163	93,725	296	93,577	3,447,451	36.8
36-37	0.003372	93,429	315	93,271	3,353,874	35.9
37-38	0.003607	93,114	336	92,946	3,260,603	35.0
38-39	0.003869	92,778	359	92,598	3,167,657	34.1

Table VIII. Life table for black males: United States, 2001

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	0.004159	92,419	384	92,227	3,075,059	33.3
40-41	0.004464	92,034	411	91,829	2,982,832	32.4
41-42	0.004796	91,624	439	91,404	2,891,003	31.6
42-43	0.005195	91,184	474	90,947	2,799,599	30.7
43-44	0.005689	90,711	516	90,453	2,708,652	29.9
44-45	0.006273	90,194	566	89,912	2,618,199	29.0
45-46	0.006928	89,629	621	89,318	2,528,288	28.2
46-47	0.007622	89,008	678	88,668	2,438,969	27.4
47-48	0.008335	88,329	736	87,961	2,350,301	26.6
48-49	0.009031	87,593	791	87,198	2,262,340	25.8
49-50	0.009712	86,802	843	86,381	2,175,142	25.1
50-51	0.010435	85,959	897	85,511	2,088,762	24.3
51-52	0.011213	85,062	954	84,585	2,003,251	23.6
52-53	0.012006	84,108	1,010	83,603	1,918,666	22.8
53-54	0.012830	83,098	1,066	82,565	1,835,063	22.1
54-55	0.013726	82,032	1,126	81,469	1,752,497	21.4
55-56	0.014756	80,906	1,194	80,309	1,671,028	20.7
56-57	0.015935	79,712	1,270	79,077	1,590,719	20.0
57-58	0.017206	78,442	1,350	77,767	1,511,641	19.3
58-59	0.018477	77,093	1,424	76,380	1,433,874	18.6
59-60	0.019719	75,668	1,492	74,922	1,357,493	17.9
60-61	0.020964	74,176	1,555	73,398	1,282,571	17.3
61-62	0.022331	72,621	1,622	71,810	1,209,173	16.7
62-63	0.023875	70,999	1,695	70,152	1,137,363	16.0
63-64	0.025679	69,304	1,780	68,414	1,067,211	15.4
64-65	0.027724	67,524	1,872	66,588	998,797	14.8
65-66	0.029877	65,652	1,961	64,672	932,208	14.2
66-67	0.032192	63,691	2,050	62,666	867,536	13.6
67-68	0.034687	61,641	2,138	60,572	804,871	13.1
68-69	0.037413	59,503	2,226	58,389	744,299	12.5
69-70	0.040387	57,276	2,313	56,120	685,910	12.0
70-71	0.043561	54,963	2,394	53,766	629,790	11.5
71-72	0.046953	52,569	2,468	51,335	576,024	11.0
72-73	0.050618	50,101	2,536	48,833	524,689	10.5
73-74	0.054545	47,565	2,594	46,267	475,856	10.0
74-75	0.058714	44,970	2,640	43,650	429,589	9.6
75-76	0.063137	42,330	2,673	40,994	385,939	9.1
76-77	0.067691	39,657	2,684	38,315	344,945	8.7
77-78	0.072549	36,973	2,682	35,632	306,630	8.3

Table VIII. Life table for black males: United States, 2001

Age	Probablity	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	0.077726	34,290	2,665	32,958	270,999	7.9
79-80	0.083239	31,625	2,632	30,309	238,041	7.5
80-81	0.089106	28,993	2,583	27,701	207,732	7.2
81-82	0.095343	26,409	2,518	25,150	180,031	6.8
82-83	0.101968	23,891	2,436	22,673	154,881	6.5
83-84	0.108997	21,455	2,339	20,286	132,207	6.2
84-85	0.116449	19,117	2,226	18,004	111,921	5.9
85-86	0.124338	16,891	2,100	15,840	93,918	5.6
86-87	0.132682	14,790	1,962	13,809	78,077	5.3
87-88	0.141496	12,828	1,815	11,920	64,268	5.0
88-89	0.150793	11,013	1,661	10,183	52,348	4.8
89-90	0.160586	9,352	1,502	8,601	42,165	4.5
90-91	0.170888	7,850	1,342	7,180	33,564	4.3
91-92	0.181708	6,509	1,183	5,917	26,384	4.1
92-93	0.193053	5,326	1,028	4,812	20,467	3.8
93-94	0.204929	4,298	881	3,858	15,655	3.6
94-95	0.217339	3,417	743	3,046	11,797	3.5
95-96	0.230282	2,674	616	2,367	8,751	3.3
96-97	0.243757	2,059	502	1,808	6,385	3.1
97-98	0.257756	1,557	401	1,356	4,577	2.9
98-99	0.272269	1,156	315	998	3,221	2.8
99-100	0.287283	841	242	720	2,223	2.6
100 and over	1.000000	599	599	1,503	1,503	2.5

Table IX. Life table for black females: United States, 2001

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	0.012472	100,000	1,247	98,926	7,524,603	75.2
1-2	0.000732	98,753	72	98,717	7,425,676	75.2
2-3	0.000376	98,681	37	98,662	7,326,960	74.2
3-4	0.000314	98,643	31	98,628	7,228,298	73.3
4-5	0.000223	98,612	22	98,601	7,129,670	72.3
5-6	0.000212	98,590	21	98,580	7,031,069	71.3
6-7	0.000186	98,569	18	98,560	6,932,489	70.3
7-8	0.000168	98,551	17	98,543	6,833,928	69.3
8-9	0.000158	98,535	16	98,527	6,735,385	68.4
9-10	0.000155	98,519	15	98,512	6,636,859	67.4
10-11	0.000159	98,504	16	98,496	6,538,347	66.4
11-12	0.000170	98,488	17	98,480	6,439,851	65.4
12-13	0.000190	98,472	19	98,462	6,341,371	64.4
13-14	0.000219	98,453	22	98,442	6,242,909	63.4
14-15	0.000257	98,431	25	98,419	6,144,467	62.4
15-16	0.000302	98,406	30	98,391	6,046,048	61.4
16-17	0.000352	98,376	35	98,359	5,947,657	60.5
17-18	0.000408	98,342	40	98,322	5,849,298	59.5
18-19	0.000465	98,302	46	98,279	5,750,976	58.5
19-20	0.000521	98,256	51	98,230	5,652,697	57.5
20-21	0.000582	98,205	57	98,176	5,554,467	56.6
21-22	0.000645	98,148	63	98,116	5,456,291	55.6
22-23	0.000702	98,084	69	98,050	5,358,175	54.6
23-24	0.000751	98,016	74	97,979	5,260,125	53.7
24-25	0.000797	97,942	78	97,903	5,162,146	52.7
25-26	0.000851	97,864	83	97,822	5,064,243	51.7
26-27	0.000913	97,781	89	97,736	4,966,421	50.8
27-28	0.000976	97,691	95	97,644	4,868,685	49.8
28-29	0.001037	97,596	101	97,545	4,771,041	48.9
29-30	0.001099	97,495	107	97,441	4,673,496	47.9
30-31	0.001164	97,388	113	97,331	4,576,054	47.0
31-32	0.001242	97,274	121	97,214	4,478,723	46.0
32-33	0.001357	97,154	132	97,088	4,381,509	45.1
33-34	0.001471	97,022	143	96,950	4,284,422	44.2
34-35	0.001623	96,879	157	96,800	4,187,471	43.2
35-36	0.001778	96,722	172	96,636	4,090,671	42.3
36-37	0.001939	96,550	187	96,456	3,994,035	41.4
37-38	0.002129	96,363	205	96,260	3,897,579	40.4
38-39	0.002354	96,158	226	96,044	3,801,318	39.5

Table IX. Life table for black females: United States, 2001

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	0.002608	95,931	250	95,806	3,705,274	38.6
40-41	0.002880	95,681	276	95,543	3,609,468	37.7
41-42	0.003154	95,405	301	95,255	3,513,925	36.8
42-43	0.003419	95,105	325	94,942	3,418,670	35.9
43-44	0.003670	94,779	348	94,605	3,323,728	35.1
44-45	0.003920	94,432	370	94,246	3,229,122	34.2
45-46	0.004182	94,061	393	93,865	3,134,876	33.3
46-47	0.004473	93,668	419	93,459	3,041,011	32.5
47-48	0.004802	93,249	448	93,025	2,947,553	31.6
48-49	0.005172	92,801	480	92,561	2,854,528	30.8
49-50	0.005579	92,321	515	92,064	2,761,966	29.9
50-51	0.006024	91,806	553	91,530	2,669,903	29.1
51-52	0.006493	91,253	593	90,957	2,578,373	28.3
52-53	0.006973	90,661	632	90,345	2,487,416	27.4
53-54	0.007465	90,028	672	89,692	2,397,071	26.6
54-55	0.007996	89,356	715	88,999	2,307,379	25.8
55-56	0.008612	88,642	763	88,260	2,218,380	25.0
56-57	0.009329	87,879	820	87,469	2,130,120	24.2
57-58	0.010114	87,059	880	86,618	2,042,651	23.5
58-59	0.010921	86,178	941	85,708	1,956,033	22.7
59-60	0.011735	85,237	1,000	84,737	1,870,325	21.9
60-61	0.012573	84,237	1,059	83,707	1,785,588	21.2
61-62	0.013500	83,178	1,123	82,616	1,701,881	20.5
62-63	0.014547	82,055	1,194	81,458	1,619,265	19.7
63-64	0.015757	80,861	1,274	80,224	1,537,807	19.0
64-65	0.017113	79,587	1,362	78,906	1,457,583	18.3
65-66	0.018561	78,225	1,452	77,499	1,378,676	17.6
66-67	0.019926	76,773	1,530	76,008	1,301,177	16.9
67-68	0.021371	75,243	1,608	74,439	1,225,169	16.3
68-69	0.022930	73,635	1,688	72,791	1,150,730	15.6
69-70	0.024655	71,947	1,774	71,060	1,077,938	15.0
70-71	0.026545	70,173	1,863	69,242	1,006,878	14.3
71-72	0.028689	68,310	1,960	67,330	937,637	13.7
72-73	0.031171	66,351	2,068	65,316	870,306	13.1
73-74	0.033983	64,282	2,185	63,190	804,990	12.5
74-75	0.037066	62,098	2,302	60,947	741,799	11.9
75-76	0.040398	59,796	2,416	58,588	680,852	11.4
76-77	0.043920	57,381	2,520	56,120	622,264	10.8
77-78	0.047735	54,860	2,619	53,551	566,144	10.3

Table IX. Life table for black females: United States, 2001

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	0.051863	52,242	2,709	50,887	512,593	9.8
79-80	0.056327	49,532	2,790	48,137	461,706	9.3
80-81	0.061150	46,742	2,858	45,313	413,569	8.8
81-82	0.066357	43,884	2,912	42,428	368,256	8.4
82-83	0.071974	40,972	2,949	39,497	325,828	8.0
83-84	0.078026	38,023	2,967	36,540	286,330	7.5
84-85	0.084541	35,056	2,964	33,574	249,791	7.1
85-86	0.091546	32,093	2,938	30,624	216,216	6.7
86-87	0.099068	29,155	2,888	27,710	185,593	6.4
87-88	0.107136	26,266	2,814	24,859	157,882	6.0
88-89	0.115776	23,452	2,715	22,095	133,023	5.7
89-90	0.125015	20,737	2,592	19,441	110,928	5.3
90-91	0.134880	18,145	2,447	16,921	91,488	5.0
91-92	0.145393	15,697	2,282	14,556	74,567	4.8
92-93	0.156578	13,415	2,100	12,365	60,010	4.5
93-94	0.168453	11,314	1,906	10,362	47,646	4.2
94-95	0.181035	9,409	1,703	8,557	37,284	4.0
95-96	0.194338	7,705	1,497	6,957	28,727	3.7
96-97	0.208370	6,208	1,294	5,561	21,771	3.5
97-98	0.223134	4,914	1,097	4,366	16,210	3.3
98-99	0.238629	3,818	911	3,362	11,844	3.1
99-100	0.254847	2,907	741	2,536	8,481	2.9
100 and over	1.000000	2,166	2,166	5,945	5,945	2.7