

Table 1. Life table for the total population: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table01.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.006372	100,000	637	99,444	7,846,926	78.5
1-2	0.000407	99,363	40	99,343	7,747,481	78.0
2-3	0.000274	99,322	27	99,309	7,648,139	77.0
3-4	0.000209	99,295	21	99,285	7,548,830	76.0
4-5	0.000160	99,274	16	99,266	7,449,545	75.0
5-6	0.000150	99,259	15	99,251	7,350,279	74.1
6-7	0.000135	99,244	13	99,237	7,251,028	73.1
7-8	0.000122	99,230	12	99,224	7,151,791	72.1
8-9	0.000109	99,218	11	99,213	7,052,566	71.1
9-10	0.000095	99,207	9	99,203	6,953,354	70.1
10-11	0.000087	99,198	9	99,194	6,854,151	69.1
11-12	0.000093	99,189	9	99,185	6,754,957	68.1
12-13	0.000127	99,180	13	99,174	6,655,773	67.1
13-14	0.000193	99,167	19	99,158	6,556,599	66.1
14-15	0.000279	99,148	28	99,134	6,457,441	65.1
15-16	0.000370	99,121	37	99,102	6,358,307	64.1
16-17	0.000454	99,084	45	99,061	6,259,205	63.2
17-18	0.000537	99,039	53	99,012	6,160,143	62.2
18-19	0.000615	98,986	61	98,955	6,061,131	61.2
19-20	0.000691	98,925	68	98,891	5,962,175	60.3
20-21	0.000771	98,857	76	98,818	5,863,285	59.3
21-22	0.000848	98,780	84	98,739	5,764,466	58.4
22-23	0.000903	98,697	89	98,652	5,665,728	57.4
23-24	0.000929	98,608	92	98,562	5,567,076	56.5
24-25	0.000934	98,516	92	98,470	5,468,514	55.5
25-26	0.000932	98,424	92	98,378	5,370,044	54.6
26-27	0.000935	98,332	92	98,286	5,271,666	53.6
27-28	0.000943	98,240	93	98,194	5,173,380	52.7
28-29	0.000959	98,148	94	98,100	5,075,186	51.7
29-30	0.000985	98,053	97	98,005	4,977,086	50.8
30-31	0.001017	97,957	100	97,907	4,879,081	49.8
31-32	0.001053	97,857	103	97,806	4,781,173	48.9
32-33	0.001095	97,754	107	97,701	4,683,368	47.9
33-34	0.001143	97,647	112	97,591	4,585,667	47.0
34-35	0.001195	97,536	117	97,477	4,488,076	46.0
35-36	0.001257	97,419	122	97,358	4,390,598	45.1
36-37	0.001332	97,297	130	97,232	4,293,241	44.1
37-38	0.001420	97,167	138	97,098	4,196,009	43.2
38-39	0.001522	97,029	148	96,955	4,098,911	42.2
39-40	0.001643	96,881	159	96,802	4,001,956	41.3
40-41	0.001777	96,722	172	96,636	3,905,154	40.4
41-42	0.001932	96,550	186	96,457	3,808,518	39.4
42-43	0.002116	96,364	204	96,262	3,712,061	38.5
43-44	0.002330	96,160	224	96,048	3,615,799	37.6
44-45	0.002563	95,936	246	95,813	3,519,751	36.7
45-46	0.002795	95,690	267	95,556	3,423,938	35.8
46-47	0.003033	95,422	289	95,278	3,328,382	34.9
47-48	0.003299	95,133	314	94,976	3,233,105	34.0
48-49	0.003608	94,819	342	94,648	3,138,128	33.1
49-50	0.003956	94,477	374	94,290	3,043,480	32.2
50-51	0.004337	94,103	408	93,899	2,949,190	31.3
51-52	0.004728	93,695	443	93,474	2,855,291	30.5
52-53	0.005118	93,252	477	93,014	2,761,817	29.6
53-54	0.005496	92,775	510	92,520	2,668,804	28.8
54-55	0.005874	92,265	542	91,994	2,576,284	27.9
55-56	0.006277	91,723	576	91,435	2,484,290	27.1
56-57	0.006724	91,147	613	90,841	2,392,854	26.3
57-58	0.007216	90,534	653	90,208	2,302,013	25.4
58-59	0.007759	89,881	697	89,532	2,211,806	24.6
59-60	0.008349	89,184	745	88,812	2,122,273	23.8
60-61	0.008986	88,439	795	88,042	2,033,462	23.0
61-62	0.009671	87,645	848	87,221	1,945,420	22.2

See footnote at end of table.

Table 1. Life table for the total population: United States, 2009—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table01.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.010415	86,797	904	86,345	1,858,199	21.4
63-64	0.011237	85,893	965	85,410	1,771,854	20.6
64-65	0.012164	84,928	1,033	84,411	1,686,444	19.9
65-66	0.013241	83,895	1,111	83,339	1,602,032	19.1
66-67	0.014457	82,784	1,197	82,185	1,518,693	18.3
67-68	0.015750	81,587	1,285	80,945	1,436,508	17.6
68-69	0.017081	80,302	1,372	79,616	1,355,563	16.9
69-70	0.018452	78,930	1,456	78,202	1,275,947	16.2
70-71	0.019976	77,474	1,548	76,700	1,197,745	15.5
71-72	0.021736	75,926	1,650	75,101	1,121,045	14.8
72-73	0.023687	74,276	1,759	73,396	1,045,943	14.1
73-74	0.025963	72,517	1,883	71,575	972,547	13.4
74-75	0.028500	70,634	2,013	69,627	900,971	12.8
75-76	0.031120	68,621	2,135	67,553	831,344	12.1
76-77	0.034014	66,485	2,261	65,355	763,791	11.5
77-78	0.037380	64,224	2,401	63,024	698,436	10.9
78-79	0.041272	61,823	2,552	60,548	635,412	10.3
79-80	0.045547	59,272	2,700	57,922	574,865	9.7
80-81	0.050131	56,572	2,836	55,154	516,943	9.1
81-82	0.055106	53,736	2,961	52,256	461,789	8.6
82-83	0.061029	50,775	3,099	49,226	409,533	8.1
83-84	0.067705	47,676	3,228	46,062	360,308	7.6
84-85	0.075068	44,448	3,337	42,780	314,246	7.1
85-86	0.084240	41,112	3,463	39,380	271,466	6.6
86-87	0.093716	37,648	3,528	35,884	232,086	6.2
87-88	0.104067	34,120	3,551	32,345	196,201	5.8
88-89	0.115332	30,569	3,526	28,807	163,857	5.4
89-90	0.127539	27,044	3,449	25,319	135,050	5.0
90-91	0.140709	23,595	3,320	21,935	109,731	4.7
91-92	0.154848	20,275	3,139	18,705	87,796	4.3
92-93	0.169949	17,135	2,912	15,679	69,091	4.0
93-94	0.185987	14,223	2,645	12,900	53,412	3.8
94-95	0.202921	11,578	2,349	10,403	40,512	3.5
95-96	0.220689	9,228	2,037	8,210	30,109	3.3
96-97	0.239209	7,192	1,720	6,332	21,899	3.0
97-98	0.258384	5,471	1,414	4,765	15,567	2.8
98-99	0.278095	4,058	1,128	3,493	10,802	2.7
99-100	0.298212	2,929	874	2,493	7,309	2.5
100 and over	1.000000	2,056	2,056	4,816	4,816	2.3

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 2. Life table for males: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table02.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.006989	100,000	699	99,391	7,596,099	76.0
1-2	0.000442	99,301	44	99,279	7,496,709	75.5
2-3	0.000303	99,257	30	99,242	7,397,429	74.5
3-4	0.000233	99,227	23	99,216	7,298,187	73.6
4-5	0.000174	99,204	17	99,195	7,198,972	72.6
5-6	0.000164	99,187	16	99,179	7,099,776	71.6
6-7	0.000149	99,171	15	99,163	7,000,598	70.6
7-8	0.000135	99,156	13	99,149	6,901,435	69.6
8-9	0.000117	99,142	12	99,137	6,802,286	68.6
9-10	0.000097	99,131	10	99,126	6,703,149	67.6
10-11	0.000082	99,121	8	99,117	6,604,023	66.6
11-12	0.000089	99,113	9	99,109	6,504,906	65.6
12-13	0.000136	99,104	14	99,097	6,405,797	64.6
13-14	0.000232	99,091	23	99,079	6,306,700	63.6
14-15	0.000359	99,068	36	99,050	6,207,621	62.7
15-16	0.000490	99,032	49	99,008	6,108,571	61.7
16-17	0.000613	98,984	61	98,953	6,009,563	60.7
17-18	0.000737	98,923	73	98,886	5,910,610	59.7
18-19	0.000861	98,850	85	98,807	5,811,724	58.8
19-20	0.000984	98,765	97	98,716	5,712,916	57.8
20-21	0.001116	98,668	110	98,613	5,614,200	56.9
21-22	0.001238	98,557	122	98,496	5,515,588	56.0
22-23	0.001322	98,435	130	98,370	5,417,091	55.0
23-24	0.001351	98,305	133	98,239	5,318,721	54.1
24-25	0.001341	98,172	132	98,107	5,220,482	53.2
25-26	0.001317	98,041	129	97,976	5,122,375	52.2
26-27	0.001302	97,912	128	97,848	5,024,399	51.3
27-28	0.001296	97,784	127	97,721	4,926,551	50.4
28-29	0.001306	97,657	128	97,594	4,828,830	49.4
29-30	0.001331	97,530	130	97,465	4,731,236	48.5
30-31	0.001363	97,400	133	97,334	4,633,771	47.6
31-32	0.001399	97,267	136	97,199	4,536,438	46.6
32-33	0.001441	97,131	140	97,061	4,439,238	45.7
33-34	0.001489	96,991	144	96,919	4,342,177	44.8
34-35	0.001544	96,847	150	96,772	4,245,258	43.8
35-36	0.001612	96,698	156	96,620	4,148,485	42.9
36-37	0.001696	96,542	164	96,460	4,051,866	42.0
37-38	0.001794	96,378	173	96,291	3,955,406	41.0
38-39	0.001910	96,205	184	96,113	3,859,114	40.1
39-40	0.002047	96,021	197	95,923	3,763,001	39.2
40-41	0.002203	95,825	211	95,719	3,667,078	38.3
41-42	0.002384	95,614	228	95,500	3,571,359	37.4
42-43	0.002602	95,386	248	95,262	3,475,859	36.4
43-44	0.002855	95,137	272	95,002	3,380,598	35.5
44-45	0.003133	94,866	297	94,717	3,285,596	34.6
45-46	0.003412	94,569	323	94,407	3,190,879	33.7
46-47	0.003702	94,246	349	94,072	3,096,471	32.9
47-48	0.004036	93,897	379	93,708	3,002,400	32.0
48-49	0.004434	93,518	415	93,311	2,908,692	31.1
49-50	0.004891	93,103	455	92,876	2,815,381	30.2
50-51	0.005388	92,648	499	92,399	2,722,506	29.4
51-52	0.005898	92,149	543	91,877	2,630,107	28.5
52-53	0.006413	91,605	588	91,312	2,538,230	27.7
53-54	0.006924	91,018	630	90,703	2,446,918	26.9
54-55	0.007440	90,388	672	90,051	2,356,216	26.1
55-56	0.007994	89,715	717	89,357	2,266,164	25.3
56-57	0.008599	88,998	765	88,615	2,176,807	24.5
57-58	0.009234	88,233	815	87,825	2,088,192	23.7
58-59	0.009893	87,418	865	86,986	2,000,366	22.9
59-60	0.010579	86,553	916	86,095	1,913,381	22.1
60-61	0.011303	85,638	968	85,154	1,827,285	21.3
61-62	0.012087	84,670	1,023	84,158	1,742,132	20.6

See footnote at end of table.

Table 2. Life table for males: United States, 2009—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table02.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.012952	83,646	1,083	83,105	1,657,974	19.8
63-64	0.013937	82,563	1,151	81,988	1,574,870	19.1
64-65	0.015068	81,412	1,227	80,799	1,492,882	18.3
65-66	0.016389	80,185	1,314	79,528	1,412,083	17.6
66-67	0.017866	78,871	1,409	78,167	1,332,555	16.9
67-68	0.019423	77,462	1,505	76,710	1,254,388	16.2
68-69	0.021006	75,958	1,596	75,160	1,177,678	15.5
69-70	0.022610	74,362	1,681	73,521	1,102,518	14.8
70-71	0.024369	72,681	1,771	71,795	1,028,997	14.2
71-72	0.026382	70,910	1,871	69,974	957,202	13.5
72-73	0.028664	69,039	1,979	68,049	887,227	12.9
73-74	0.031394	67,060	2,105	66,007	819,178	12.2
74-75	0.034398	64,955	2,234	63,838	753,171	11.6
75-76	0.037521	62,720	2,353	61,544	689,333	11.0
76-77	0.041012	60,367	2,476	59,129	627,789	10.4
77-78	0.045093	57,891	2,610	56,586	568,660	9.8
78-79	0.049743	55,281	2,750	53,906	512,074	9.3
79-80	0.054791	52,531	2,878	51,092	458,168	8.7
80-81	0.060380	49,653	2,998	48,154	407,076	8.2
81-82	0.066415	46,655	3,099	45,105	358,923	7.7
82-83	0.073358	43,556	3,195	41,959	313,817	7.2
83-84	0.081063	40,361	3,272	38,725	271,859	6.7
84-85	0.089641	37,089	3,325	35,427	233,134	6.3
85-86	0.101322	33,764	3,421	32,054	197,707	5.9
86-87	0.112341	30,343	3,409	28,639	165,653	5.5
87-88	0.124296	26,935	3,348	25,261	137,014	5.1
88-89	0.137207	23,587	3,236	21,969	111,753	4.7
89-90	0.151086	20,350	3,075	18,813	89,785	4.4
90-91	0.165929	17,276	2,867	15,843	70,972	4.1
91-92	0.181716	14,409	2,618	13,100	55,129	3.8
92-93	0.198410	11,791	2,339	10,621	42,029	3.6
93-94	0.215955	9,451	2,041	8,431	31,408	3.3
94-95	0.234275	7,410	1,736	6,542	22,977	3.1
95-96	0.253276	5,674	1,437	4,956	16,435	2.9
96-97	0.272845	4,237	1,156	3,659	11,479	2.7
97-98	0.292856	3,081	902	2,630	7,820	2.5
98-99	0.313166	2,179	682	1,838	5,190	2.4
99-100	0.333629	1,496	499	1,247	3,352	2.2
100 and over	1.000000	997	997	2,106	2,106	2.1

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 3. Life table for females: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table03.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.005726	100,000	573	99,500	8,088,922	80.9
1-2	0.000369	99,427	37	99,409	7,989,422	80.4
2-3	0.000243	99,391	24	99,379	7,890,013	79.4
3-4	0.000185	99,367	18	99,357	7,790,634	78.4
4-5	0.000147	99,348	15	99,341	7,691,277	77.4
5-6	0.000134	99,334	13	99,327	7,591,936	76.4
6-7	0.000120	99,320	12	99,314	7,492,609	75.4
7-8	0.000109	99,308	11	99,303	7,393,295	74.4
8-9	0.000101	99,298	10	99,293	7,293,992	73.5
9-10	0.000094	99,288	9	99,283	7,194,699	72.5
10-11	0.000092	99,278	9	99,274	7,095,416	71.5
11-12	0.000098	99,269	10	99,264	6,996,143	70.5
12-13	0.000117	99,259	12	99,254	6,896,878	69.5
13-14	0.000151	99,248	15	99,240	6,797,625	68.5
14-15	0.000195	99,233	19	99,223	6,698,385	67.5
15-16	0.000242	99,213	24	99,201	6,599,162	66.5
16-17	0.000287	99,189	28	99,175	6,499,960	65.5
17-18	0.000326	99,161	32	99,145	6,400,785	64.5
18-19	0.000356	99,129	35	99,111	6,301,640	63.6
19-20	0.000380	99,093	38	99,074	6,202,529	62.6
20-21	0.000405	99,056	40	99,036	6,103,455	61.6
21-22	0.000432	99,015	43	98,994	6,004,419	60.6
22-23	0.000458	98,973	45	98,950	5,905,425	59.7
23-24	0.000481	98,927	48	98,904	5,806,475	58.7
24-25	0.000502	98,880	50	98,855	5,707,572	57.7
25-26	0.000524	98,830	52	98,804	5,608,717	56.8
26-27	0.000548	98,778	54	98,751	5,509,912	55.8
27-28	0.000571	98,724	56	98,696	5,411,161	54.8
28-29	0.000595	98,668	59	98,639	5,312,465	53.8
29-30	0.000622	98,609	61	98,578	5,213,826	52.9
30-31	0.000655	98,548	65	98,515	5,115,248	51.9
31-32	0.000695	98,483	68	98,449	5,016,733	50.9
32-33	0.000738	98,415	73	98,378	4,918,284	50.0
33-34	0.000786	98,342	77	98,303	4,819,905	49.0
34-35	0.000837	98,265	82	98,224	4,721,602	48.0
35-36	0.000894	98,182	88	98,139	4,623,378	47.1
36-37	0.000962	98,095	94	98,047	4,525,240	46.1
37-38	0.001039	98,000	102	97,949	4,427,192	45.2
38-39	0.001129	97,898	111	97,843	4,329,243	44.2
39-40	0.001234	97,788	121	97,728	4,231,400	43.3
40-41	0.001348	97,667	132	97,601	4,133,672	42.3
41-42	0.001476	97,536	144	97,464	4,036,071	41.4
42-43	0.001629	97,392	159	97,312	3,938,607	40.4
43-44	0.001806	97,233	176	97,145	3,841,294	39.5
44-45	0.001996	97,057	194	96,961	3,744,149	38.6
45-46	0.002186	96,864	212	96,758	3,647,189	37.7
46-47	0.002375	96,652	230	96,537	3,550,431	36.7
47-48	0.002577	96,422	249	96,298	3,453,894	35.8
48-49	0.002801	96,174	269	96,039	3,357,595	34.9
49-50	0.003046	95,905	292	95,758	3,261,556	34.0
50-51	0.003317	95,612	317	95,454	3,165,798	33.1
51-52	0.003596	95,295	343	95,124	3,070,344	32.2
52-53	0.003868	94,953	367	94,769	2,975,220	31.3
53-54	0.004124	94,585	390	94,390	2,880,451	30.5
54-55	0.004376	94,195	412	93,989	2,786,061	29.6
55-56	0.004641	93,783	435	93,565	2,692,072	28.7
56-57	0.004947	93,348	462	93,117	2,598,506	27.8
57-58	0.005313	92,886	493	92,639	2,505,389	27.0
58-59	0.005753	92,392	532	92,127	2,412,750	26.1
59-60	0.006262	91,861	575	91,573	2,320,623	25.3
60-61	0.006826	91,286	623	90,974	2,229,050	24.4
61-62	0.007429	90,663	674	90,326	2,138,076	23.6

See footnote at end of table.

Table 3. Life table for females: United States, 2009—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table03.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.008073	89,989	726	89,626	2,047,750	22.8
63-64	0.008763	89,263	782	88,872	1,958,124	21.9
64-65	0.009524	88,480	843	88,059	1,869,253	21.1
65-66	0.010410	87,638	912	87,182	1,781,194	20.3
66-67	0.011422	86,725	991	86,230	1,694,012	19.5
67-68	0.012511	85,735	1,073	85,199	1,607,782	18.8
68-69	0.013652	84,662	1,156	84,084	1,522,583	18.0
69-70	0.014847	83,506	1,240	82,887	1,438,499	17.2
70-71	0.016200	82,267	1,333	81,600	1,355,612	16.5
71-72	0.017783	80,934	1,439	80,214	1,274,012	15.7
72-73	0.019504	79,495	1,550	78,719	1,193,798	15.0
73-74	0.021466	77,944	1,673	77,108	1,115,078	14.3
74-75	0.023697	76,271	1,807	75,367	1,037,971	13.6
75-76	0.025997	74,464	1,936	73,496	962,603	12.9
76-77	0.028517	72,528	2,068	71,494	889,107	12.3
77-78	0.031445	70,460	2,216	69,352	817,614	11.6
78-79	0.034904	68,244	2,382	67,053	748,262	11.0
79-80	0.038790	65,862	2,555	64,585	681,209	10.3
80-81	0.042869	63,307	2,714	61,950	616,624	9.7
81-82	0.047338	60,593	2,868	59,159	554,674	9.2
82-83	0.052844	57,725	3,050	56,200	495,515	8.6
83-84	0.059186	54,675	3,236	53,057	439,315	8.0
84-85	0.066164	51,439	3,403	49,737	386,258	7.5
85-86	0.074211	48,035	3,565	46,253	336,522	7.0
86-87	0.083667	44,470	3,721	42,610	290,269	6.5
87-88	0.093608	40,750	3,815	38,843	247,659	6.1
88-89	0.104520	36,935	3,860	35,005	208,816	5.7
89-90	0.116444	33,075	3,851	31,149	173,811	5.3
90-91	0.129416	29,223	3,782	27,332	142,662	4.9
91-92	0.143456	25,441	3,650	23,617	115,329	4.5
92-93	0.158570	21,792	3,456	20,064	91,713	4.2
93-94	0.174744	18,336	3,204	16,734	71,649	3.9
94-95	0.191945	15,132	2,905	13,680	54,915	3.6
95-96	0.210116	12,228	2,569	10,943	41,235	3.4
96-97	0.229176	9,658	2,213	8,552	30,292	3.1
97-98	0.249023	7,445	1,854	6,518	21,740	2.9
98-99	0.269529	5,591	1,507	4,837	15,222	2.7
99-100	0.290550	4,084	1,187	3,491	10,385	2.5
100 and over	1.000000	2,897	2,897	6,894	6,894	2.4

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 4. Life table for the white population: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table04.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.005279	100,000	528	99,540	7,883,419	78.8
1-2	0.000373	99,472	37	99,454	7,783,879	78.3
2-3	0.000252	99,435	25	99,422	7,684,426	77.3
3-4	0.000195	99,410	19	99,400	7,585,003	76.3
4-5	0.000148	99,391	15	99,383	7,485,603	75.3
5-6	0.000136	99,376	14	99,369	7,386,220	74.3
6-7	0.000122	99,362	12	99,356	7,286,851	73.3
7-8	0.000110	99,350	11	99,345	7,187,495	72.3
8-9	0.000098	99,339	10	99,334	7,088,150	71.4
9-10	0.000085	99,330	8	99,325	6,988,816	70.4
10-11	0.000078	99,321	8	99,317	6,889,490	69.4
11-12	0.000084	99,313	8	99,309	6,790,173	68.4
12-13	0.000116	99,305	12	99,299	6,690,864	67.4
13-14	0.000179	99,293	18	99,285	6,591,565	66.4
14-15	0.000261	99,276	26	99,263	6,492,280	65.4
15-16	0.000348	99,250	35	99,232	6,393,018	64.4
16-17	0.000429	99,215	43	99,194	6,293,785	63.4
17-18	0.000507	99,173	50	99,147	6,194,591	62.5
18-19	0.000581	99,122	58	99,093	6,095,444	61.5
19-20	0.000651	99,065	64	99,032	5,996,350	60.5
20-21	0.000724	99,000	72	98,964	5,897,318	59.6
21-22	0.000794	98,929	79	98,889	5,798,354	58.6
22-23	0.000845	98,850	84	98,808	5,699,464	57.7
23-24	0.000870	98,766	86	98,723	5,600,656	56.7
24-25	0.000877	98,681	87	98,637	5,501,933	55.8
25-26	0.000878	98,594	87	98,551	5,403,296	54.8
26-27	0.000883	98,507	87	98,464	5,304,745	53.9
27-28	0.000892	98,421	88	98,377	5,206,281	52.9
28-29	0.000909	98,333	89	98,288	5,107,904	51.9
29-30	0.000934	98,243	92	98,198	5,009,616	51.0
30-31	0.000966	98,152	95	98,104	4,911,418	50.0
31-32	0.001003	98,057	98	98,008	4,813,314	49.1
32-33	0.001043	97,959	102	97,907	4,715,306	48.1
33-34	0.001087	97,856	106	97,803	4,617,399	47.2
34-35	0.001134	97,750	111	97,695	4,519,596	46.2
35-36	0.001191	97,639	116	97,581	4,421,901	45.3
36-37	0.001261	97,523	123	97,461	4,324,320	44.3
37-38	0.001343	97,400	131	97,334	4,226,859	43.4
38-39	0.001441	97,269	140	97,199	4,129,525	42.5
39-40	0.001556	97,129	151	97,053	4,032,326	41.5
40-41	0.001684	96,978	163	96,896	3,935,272	40.6
41-42	0.001830	96,814	177	96,726	3,838,376	39.6
42-43	0.002008	96,637	194	96,540	3,741,650	38.7
43-44	0.002216	96,443	214	96,336	3,645,110	37.8
44-45	0.002443	96,229	235	96,112	3,548,774	36.9
45-46	0.002670	95,994	256	95,866	3,452,662	36.0
46-47	0.002900	95,738	278	95,599	3,356,796	35.1
47-48	0.003153	95,460	301	95,310	3,261,197	34.2
48-49	0.003441	95,159	327	94,996	3,165,887	33.3
49-50	0.003763	94,832	357	94,654	3,070,891	32.4
50-51	0.004116	94,475	389	94,281	2,976,237	31.5
51-52	0.004480	94,086	421	93,876	2,881,957	30.6
52-53	0.004840	93,665	453	93,438	2,788,081	29.8
53-54	0.005188	93,211	484	92,970	2,694,643	28.9
54-55	0.005537	92,728	513	92,471	2,601,673	28.1
55-56	0.005907	92,214	545	91,942	2,509,202	27.2
56-57	0.006324	91,670	580	91,380	2,417,260	26.4
57-58	0.006796	91,090	619	90,780	2,325,880	25.5
58-59	0.007334	90,471	663	90,139	2,235,100	24.7
59-60	0.007928	89,807	712	89,451	2,144,960	23.9
60-61	0.008573	89,095	764	88,714	2,055,509	23.1
61-62	0.009260	88,332	818	87,923	1,966,795	22.3

See footnote at end of table.

Table 4. Life table for the white population: United States, 2009—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table04.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.010002	87,514	875	87,076	1,878,873	21.5
63-64	0.010816	86,638	937	86,170	1,791,797	20.7
64-65	0.011731	85,701	1,005	85,199	1,705,627	19.9
65-66	0.012801	84,696	1,084	84,154	1,620,428	19.1
66-67	0.014012	83,612	1,172	83,026	1,536,274	18.4
67-68	0.015305	82,440	1,262	81,809	1,453,248	17.6
68-69	0.016642	81,178	1,351	80,503	1,371,439	16.9
69-70	0.018028	79,828	1,439	79,108	1,290,936	16.2
70-71	0.019590	78,388	1,536	77,621	1,211,828	15.5
71-72	0.021390	76,853	1,644	76,031	1,134,207	14.8
72-73	0.023393	75,209	1,759	74,329	1,058,176	14.1
73-74	0.025713	73,450	1,889	72,505	983,847	13.4
74-75	0.028278	71,561	2,024	70,549	911,342	12.7
75-76	0.030898	69,537	2,149	68,463	840,793	12.1
76-77	0.033816	67,389	2,279	66,249	772,330	11.5
77-78	0.037278	65,110	2,427	63,896	706,080	10.8
78-79	0.041233	62,683	2,585	61,391	642,184	10.2
79-80	0.045514	60,098	2,735	58,731	580,793	9.7
80-81	0.050183	57,363	2,879	55,924	522,063	9.1
81-82	0.055227	54,484	3,009	52,980	466,139	8.6
82-83	0.061137	51,475	3,147	49,902	413,159	8.0
83-84	0.067865	48,328	3,280	46,688	363,258	7.5
84-85	0.075368	45,048	3,395	43,351	316,569	7.0
85-86	0.084360	41,653	3,514	39,896	273,219	6.6
86-87	0.094035	38,139	3,586	36,346	233,322	6.1
87-88	0.104620	34,553	3,615	32,745	196,976	5.7
88-89	0.116155	30,938	3,594	29,141	164,231	5.3
89-90	0.128670	27,344	3,518	25,585	135,090	4.9
90-91	0.142186	23,826	3,388	22,132	109,504	4.6
91-92	0.156707	20,438	3,203	18,837	87,372	4.3
92-93	0.172225	17,235	2,968	15,751	68,535	4.0
93-94	0.188711	14,267	2,692	12,921	52,784	3.7
94-95	0.206117	11,575	2,386	10,382	39,863	3.4
95-96	0.224375	9,189	2,062	8,158	29,481	3.2
96-97	0.243396	7,127	1,735	6,260	21,323	3.0
97-98	0.263070	5,392	1,419	4,683	15,064	2.8
98-99	0.283270	3,974	1,126	3,411	10,380	2.6
99-100	0.303853	2,848	865	2,415	6,969	2.4
100 and over	1.000000	1,983	1,983	4,554	4,554	2.3

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 5. Life table for white males: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table05.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.005773	100,000	577	99,498	7,641,039	76.4
1-2	0.000412	99,423	41	99,402	7,541,541	75.9
2-3	0.000275	99,382	27	99,368	7,442,139	74.9
3-4	0.000218	99,354	22	99,344	7,342,771	73.9
4-5	0.000167	99,333	17	99,325	7,243,427	72.9
5-6	0.000152	99,316	15	99,309	7,144,103	71.9
6-7	0.000136	99,301	14	99,294	7,044,794	70.9
7-8	0.000123	99,288	12	99,282	6,945,500	70.0
8-9	0.000106	99,275	11	99,270	6,846,218	69.0
9-10	0.000088	99,265	9	99,261	6,746,948	68.0
10-11	0.000075	99,256	7	99,252	6,647,688	67.0
11-12	0.000082	99,249	8	99,245	6,548,435	66.0
12-13	0.000126	99,241	12	99,234	6,449,191	65.0
13-14	0.000213	99,228	21	99,218	6,349,956	64.0
14-15	0.000330	99,207	33	99,191	6,250,739	63.0
15-16	0.000450	99,174	45	99,152	6,151,548	62.0
16-17	0.000564	99,130	56	99,102	6,052,396	61.1
17-18	0.000680	99,074	67	99,040	5,953,295	60.1
18-19	0.000799	99,006	79	98,967	5,854,255	59.1
19-20	0.000917	98,927	91	98,882	5,755,288	58.2
20-21	0.001042	98,836	103	98,785	5,656,406	57.2
21-22	0.001157	98,734	114	98,676	5,557,621	56.3
22-23	0.001237	98,619	122	98,558	5,458,945	55.4
23-24	0.001266	98,497	125	98,435	5,360,387	54.4
24-25	0.001258	98,373	124	98,311	5,261,952	53.5
25-26	0.001239	98,249	122	98,188	5,163,641	52.6
26-27	0.001228	98,127	120	98,067	5,065,453	51.6
27-28	0.001223	98,007	120	97,947	4,967,386	50.7
28-29	0.001234	97,887	121	97,826	4,869,439	49.7
29-30	0.001258	97,766	123	97,705	4,771,613	48.8
30-31	0.001289	97,643	126	97,580	4,673,909	47.9
31-32	0.001323	97,517	129	97,453	4,576,328	46.9
32-33	0.001362	97,388	133	97,322	4,478,876	46.0
33-34	0.001408	97,256	137	97,187	4,381,554	45.1
34-35	0.001458	97,119	142	97,048	4,284,367	44.1
35-36	0.001522	96,977	148	96,903	4,187,319	43.2
36-37	0.001603	96,829	155	96,752	4,090,416	42.2
37-38	0.001697	96,674	164	96,592	3,993,664	41.3
38-39	0.001808	96,510	174	96,423	3,897,072	40.4
39-40	0.001940	96,336	187	96,242	3,800,649	39.5
40-41	0.002089	96,149	201	96,048	3,704,407	38.5
41-42	0.002263	95,948	217	95,839	3,608,358	37.6
42-43	0.002475	95,731	237	95,612	3,512,519	36.7
43-44	0.002727	95,494	260	95,364	3,416,907	35.8
44-45	0.003003	95,233	286	95,090	3,321,543	34.9
45-46	0.003281	94,947	312	94,792	3,226,453	34.0
46-47	0.003566	94,636	338	94,467	3,131,661	33.1
47-48	0.003887	94,298	367	94,115	3,037,194	32.2
48-49	0.004259	93,932	400	93,732	2,943,079	31.3
49-50	0.004680	93,532	438	93,313	2,849,347	30.5
50-51	0.005139	93,094	478	92,855	2,756,034	29.6
51-52	0.005610	92,616	520	92,356	2,663,179	28.8
52-53	0.006083	92,096	560	91,816	2,570,824	27.9
53-54	0.006547	91,536	599	91,236	2,479,008	27.1
54-55	0.007015	90,937	638	90,618	2,387,772	26.3
55-56	0.007514	90,299	679	89,959	2,297,154	25.4
56-57	0.008066	89,620	723	89,259	2,207,195	24.6
57-58	0.008664	88,897	770	88,512	2,117,936	23.8
58-59	0.009307	88,127	820	87,717	2,029,424	23.0
59-60	0.009993	87,307	872	86,871	1,941,707	22.2
60-61	0.010723	86,434	927	85,971	1,854,836	21.5
61-62	0.011507	85,508	984	85,016	1,768,865	20.7

See footnote at end of table.

Table 5. Life table for white males: United States, 2009—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table05.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.012365	84,524	1,045	84,001	1,683,849	19.9
63-64	0.013333	83,479	1,113	82,922	1,599,848	19.2
64-65	0.014442	82,366	1,190	81,771	1,516,926	18.4
65-66	0.015741	81,176	1,278	80,537	1,435,155	17.7
66-67	0.017204	79,898	1,375	79,211	1,354,618	17.0
67-68	0.018761	78,524	1,473	77,787	1,275,407	16.2
68-69	0.020355	77,051	1,568	76,266	1,197,620	15.5
69-70	0.021987	75,482	1,660	74,652	1,121,353	14.9
70-71	0.023814	73,823	1,758	72,944	1,046,701	14.2
71-72	0.025894	72,065	1,866	71,132	973,757	13.5
72-73	0.028246	70,199	1,983	69,207	902,626	12.9
73-74	0.031028	68,216	2,117	67,157	833,419	12.2
74-75	0.034068	66,099	2,252	64,973	766,261	11.6
75-76	0.037198	63,847	2,375	62,660	701,288	11.0
76-77	0.040676	61,472	2,500	60,222	638,628	10.4
77-78	0.044832	58,972	2,644	57,650	578,406	9.8
78-79	0.049554	56,328	2,791	54,932	520,756	9.2
79-80	0.054616	53,537	2,924	52,075	465,824	8.7
80-81	0.060338	50,613	3,054	49,086	413,749	8.2
81-82	0.066513	47,559	3,163	45,977	364,664	7.7
82-83	0.073450	44,396	3,261	42,765	318,686	7.2
83-84	0.081179	41,135	3,339	39,465	275,921	6.7
84-85	0.089905	37,795	3,398	36,096	236,456	6.3
85-86	0.100809	34,397	3,468	32,664	200,360	5.8
86-87	0.112144	30,930	3,469	29,196	167,696	5.4
87-88	0.124473	27,461	3,418	25,752	138,501	5.0
88-89	0.137821	24,043	3,314	22,386	112,749	4.7
89-90	0.152198	20,729	3,155	19,152	90,362	4.4
90-91	0.167600	17,574	2,945	16,102	71,211	4.1
91-92	0.184003	14,629	2,692	13,283	55,109	3.8
92-93	0.201364	11,937	2,404	10,735	41,826	3.5
93-94	0.219617	9,533	2,094	8,487	31,091	3.3
94-95	0.238676	7,440	1,776	6,552	22,604	3.0
95-96	0.258433	5,664	1,464	4,932	16,052	2.8
96-97	0.278760	4,200	1,171	3,615	11,120	2.6
97-98	0.299513	3,029	907	2,576	7,505	2.5
98-99	0.320535	2,122	680	1,782	4,929	2.3
99-100	0.341658	1,442	493	1,196	3,147	2.2
100 and over	1.000000	949	949	1,952	1,952	2.1

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 6. Life table for white females: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table06.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.004761	100,000	476	99,584	8,120,055	81.2
1-2	0.000332	99,524	33	99,507	8,020,471	80.6
2-3	0.000228	99,491	23	99,479	7,920,963	79.6
3-4	0.000170	99,468	17	99,460	7,821,484	78.6
4-5	0.000128	99,451	13	99,445	7,722,024	77.6
5-6	0.000120	99,438	12	99,432	7,622,579	76.7
6-7	0.000106	99,427	11	99,421	7,523,147	75.7
7-8	0.000097	99,416	10	99,411	7,423,726	74.7
8-9	0.000089	99,406	9	99,402	7,324,315	73.7
9-10	0.000083	99,397	8	99,393	7,224,913	72.7
10-11	0.000081	99,389	8	99,385	7,125,519	71.7
11-12	0.000087	99,381	9	99,377	7,026,134	70.7
12-13	0.000107	99,373	11	99,367	6,926,757	69.7
13-14	0.000143	99,362	14	99,355	6,827,390	68.7
14-15	0.000189	99,348	19	99,338	6,728,035	67.7
15-16	0.000239	99,329	24	99,317	6,628,697	66.7
16-17	0.000286	99,305	28	99,291	6,529,380	65.8
17-18	0.000324	99,277	32	99,261	6,430,089	64.8
18-19	0.000350	99,245	35	99,227	6,330,828	63.8
19-20	0.000368	99,210	37	99,192	6,231,601	62.8
20-21	0.000385	99,173	38	99,154	6,132,409	61.8
21-22	0.000405	99,135	40	99,115	6,033,255	60.9
22-23	0.000425	99,095	42	99,074	5,934,140	59.9
23-24	0.000446	99,053	44	99,031	5,835,066	58.9
24-25	0.000467	99,009	46	98,986	5,736,035	57.9
25-26	0.000490	98,963	48	98,938	5,637,049	57.0
26-27	0.000513	98,914	51	98,889	5,538,111	56.0
27-28	0.000537	98,863	53	98,837	5,439,222	55.0
28-29	0.000561	98,810	55	98,783	5,340,385	54.0
29-30	0.000588	98,755	58	98,726	5,241,603	53.1
30-31	0.000622	98,697	61	98,666	5,142,877	52.1
31-32	0.000662	98,635	65	98,603	5,044,211	51.1
32-33	0.000704	98,570	69	98,535	4,945,608	50.2
33-34	0.000748	98,501	74	98,464	4,847,073	49.2
34-35	0.000792	98,427	78	98,388	4,748,609	48.2
35-36	0.000843	98,349	83	98,308	4,650,221	47.3
36-37	0.000904	98,266	89	98,222	4,551,913	46.3
37-38	0.000975	98,178	96	98,130	4,453,691	45.4
38-39	0.001058	98,082	104	98,030	4,355,561	44.4
39-40	0.001157	97,978	113	97,921	4,257,531	43.5
40-41	0.001263	97,865	124	97,803	4,159,610	42.5
41-42	0.001383	97,741	135	97,673	4,061,807	41.6
42-43	0.001527	97,606	149	97,531	3,964,133	40.6
43-44	0.001694	97,457	165	97,374	3,866,602	39.7
44-45	0.001873	97,292	182	97,201	3,769,228	38.7
45-46	0.002052	97,109	199	97,010	3,672,027	37.8
46-47	0.002230	96,910	216	96,802	3,575,017	36.9
47-48	0.002418	96,694	234	96,577	3,478,215	36.0
48-49	0.002624	96,460	253	96,334	3,381,638	35.1
49-50	0.002850	96,207	274	96,070	3,285,305	34.1
50-51	0.003100	95,933	297	95,784	3,189,234	33.2
51-52	0.003360	95,636	321	95,475	3,093,450	32.3
52-53	0.003613	95,314	344	95,142	2,997,975	31.5
53-54	0.003852	94,970	366	94,787	2,902,833	30.6
54-55	0.004090	94,604	387	94,410	2,808,046	29.7
55-56	0.004340	94,217	409	94,013	2,713,636	28.8
56-57	0.004633	93,808	435	93,591	2,619,623	27.9
57-58	0.004992	93,374	466	93,141	2,526,033	27.1
58-59	0.005435	92,907	505	92,655	2,432,892	26.2
59-60	0.005950	92,403	550	92,128	2,340,237	25.3
60-61	0.006521	91,853	599	91,553	2,248,109	24.5
61-62	0.007128	91,254	650	90,929	2,156,556	23.6

See footnote at end of table.

Table 6. Life table for white females: United States, 2009—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table06.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.007771	90,603	704	90,251	2,065,627	22.8
63-64	0.008457	89,899	760	89,519	1,975,376	22.0
64-65	0.009214	89,139	821	88,728	1,885,857	21.2
65-66	0.010099	88,318	892	87,872	1,797,129	20.3
66-67	0.011112	87,426	971	86,940	1,709,257	19.6
67-68	0.012198	86,454	1,055	85,927	1,622,317	18.8
68-69	0.013336	85,400	1,139	84,830	1,536,390	18.0
69-70	0.014535	84,261	1,225	83,648	1,451,559	17.2
70-71	0.015898	83,036	1,320	82,376	1,367,911	16.5
71-72	0.017498	81,716	1,430	81,001	1,285,535	15.7
72-73	0.019253	80,286	1,546	79,513	1,204,534	15.0
73-74	0.021246	78,740	1,673	77,904	1,125,021	14.3
74-75	0.023491	77,067	1,810	76,162	1,047,117	13.6
75-76	0.025776	75,257	1,940	74,287	970,954	12.9
76-77	0.028340	73,317	2,078	72,278	896,667	12.2
77-78	0.031370	71,240	2,235	70,122	824,389	11.6
78-79	0.034871	69,005	2,406	67,802	754,267	10.9
79-80	0.038751	66,598	2,581	65,308	686,465	10.3
80-81	0.042871	64,018	2,745	62,645	621,157	9.7
81-82	0.047353	61,273	2,901	59,822	558,512	9.1
82-83	0.052842	58,372	3,084	56,829	498,689	8.5
83-84	0.059264	55,287	3,277	53,649	441,860	8.0
84-85	0.066393	52,011	3,453	50,284	388,211	7.5
85-86	0.074600	48,557	3,622	46,746	337,927	7.0
86-87	0.083962	44,935	3,773	43,049	291,181	6.5
87-88	0.094104	41,162	3,874	39,225	248,132	6.0
88-89	0.105249	37,289	3,925	35,326	208,907	5.6
89-90	0.117443	33,364	3,918	31,405	173,580	5.2
90-91	0.130721	29,446	3,849	27,521	142,175	4.8
91-92	0.145104	25,597	3,714	23,739	114,654	4.5
92-93	0.160596	21,882	3,514	20,125	90,915	4.2
93-94	0.177179	18,368	3,254	16,741	70,789	3.9
94-95	0.194815	15,114	2,944	13,642	54,048	3.6
95-96	0.213442	12,169	2,597	10,871	40,407	3.3
96-97	0.232970	9,572	2,230	8,457	29,536	3.1
97-98	0.253286	7,342	1,860	6,412	21,079	2.9
98-99	0.274254	5,482	1,504	4,731	14,667	2.7
99-100	0.295715	3,979	1,177	3,390	9,937	2.5
100 and over	1.000000	2,802	2,802	6,546	6,546	2.3

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 7. Life table for the black population: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table07.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.012610	100,000	1,261	98,897	7,450,324	74.5
1-2	0.000615	98,739	61	98,709	7,351,427	74.5
2-3	0.000415	98,678	41	98,658	7,252,719	73.5
3-4	0.000294	98,637	29	98,623	7,154,061	72.5
4-5	0.000237	98,608	23	98,597	7,055,438	71.6
5-6	0.000223	98,585	22	98,574	6,956,841	70.6
6-7	0.000200	98,563	20	98,553	6,858,267	69.6
7-8	0.000181	98,543	18	98,534	6,759,714	68.6
8-9	0.000161	98,526	16	98,518	6,661,180	67.6
9-10	0.000141	98,510	14	98,503	6,562,662	66.6
10-11	0.000129	98,496	13	98,490	6,464,159	65.6
11-12	0.000138	98,483	14	98,476	6,365,669	64.6
12-13	0.000183	98,470	18	98,461	6,267,193	63.6
13-14	0.000270	98,452	27	98,438	6,168,732	62.7
14-15	0.000383	98,425	38	98,406	6,070,294	61.7
15-16	0.000497	98,387	49	98,363	5,971,888	60.7
16-17	0.000603	98,338	59	98,309	5,873,525	59.7
17-18	0.000709	98,279	70	98,244	5,775,216	58.8
18-19	0.000818	98,210	80	98,169	5,676,972	57.8
19-20	0.000932	98,129	91	98,084	5,578,802	56.9
20-21	0.001059	98,038	104	97,986	5,480,719	55.9
21-22	0.001185	97,934	116	97,876	5,382,733	55.0
22-23	0.001282	97,818	125	97,755	5,284,857	54.0
23-24	0.001333	97,693	130	97,627	5,187,102	53.1
24-25	0.001348	97,562	132	97,496	5,089,474	52.2
25-26	0.001353	97,431	132	97,365	4,991,978	51.2
26-27	0.001366	97,299	133	97,232	4,894,613	50.3
27-28	0.001388	97,166	135	97,099	4,797,381	49.4
28-29	0.001427	97,031	138	96,962	4,700,282	48.4
29-30	0.001483	96,893	144	96,821	4,603,320	47.5
30-31	0.001550	96,749	150	96,674	4,506,499	46.6
31-32	0.001623	96,599	157	96,521	4,409,825	45.7
32-33	0.001716	96,442	166	96,359	4,313,305	44.7
33-34	0.001777	96,277	171	96,191	4,216,945	43.8
34-35	0.001854	96,106	178	96,017	4,120,754	42.9
35-36	0.001943	95,927	186	95,834	4,024,737	42.0
36-37	0.002050	95,741	196	95,643	3,928,903	41.0
37-38	0.002178	95,545	208	95,441	3,833,260	40.1
38-39	0.002333	95,337	222	95,226	3,737,819	39.2
39-40	0.002519	95,114	240	94,995	3,642,593	38.3
40-41	0.002730	94,875	259	94,745	3,547,599	37.4
41-42	0.002966	94,616	281	94,475	3,452,854	36.5
42-43	0.003235	94,335	305	94,182	3,358,378	35.6
43-44	0.003530	94,030	332	93,864	3,264,196	34.7
44-45	0.003847	93,698	360	93,518	3,170,332	33.8
45-46	0.004162	93,337	388	93,143	3,076,814	33.0
46-47	0.004497	92,949	418	92,740	2,983,671	32.1
47-48	0.004906	92,531	454	92,304	2,890,931	31.2
48-49	0.005421	92,077	499	91,827	2,798,627	30.4
49-50	0.006030	91,578	552	91,302	2,706,800	29.6
50-51	0.006694	91,026	609	90,721	2,615,498	28.7
51-52	0.007372	90,416	667	90,083	2,524,777	27.9
52-53	0.008067	89,750	724	89,388	2,434,694	27.1
53-54	0.008763	89,026	780	88,636	2,345,306	26.3
54-55	0.009467	88,246	835	87,828	2,256,670	25.6
55-56	0.010231	87,410	894	86,963	2,168,842	24.8
56-57	0.011053	86,516	956	86,038	2,081,879	24.1
57-58	0.011872	85,560	1,016	85,052	1,995,841	23.3
58-59	0.012666	84,544	1,071	84,009	1,910,789	22.6
59-60	0.013456	83,473	1,123	82,912	1,826,781	21.9
60-61	0.014296	82,350	1,177	81,761	1,743,869	21.2
61-62	0.015230	81,173	1,236	80,555	1,662,108	20.5

See footnote at end of table.

Table 7. Life table for the black population: United States, 2009—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table07.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.016251	79,936	1,299	79,287	1,581,553	19.8
63-64	0.017373	78,637	1,366	77,954	1,502,266	19.1
64-65	0.018599	77,271	1,437	76,553	1,424,312	18.4
65-66	0.019963	75,834	1,514	75,077	1,347,759	17.8
66-67	0.021439	74,320	1,593	73,524	1,272,682	17.1
67-68	0.022944	72,727	1,669	71,893	1,199,158	16.5
68-69	0.024426	71,058	1,736	70,190	1,127,266	15.9
69-70	0.025873	69,323	1,794	68,426	1,057,075	15.2
70-71	0.027353	67,529	1,847	66,605	988,650	14.6
71-72	0.029013	65,682	1,906	64,729	922,044	14.0
72-73	0.030739	63,776	1,960	62,796	857,315	13.4
73-74	0.032851	61,816	2,031	60,801	794,519	12.9
74-75	0.035383	59,785	2,115	58,727	733,719	12.3
75-76	0.038173	57,670	2,201	56,569	674,991	11.7
76-77	0.041086	55,468	2,279	54,329	618,422	11.1
77-78	0.044059	53,189	2,343	52,018	564,093	10.6
78-79	0.047912	50,846	2,436	49,628	512,076	10.1
79-80	0.052559	48,410	2,544	47,138	462,448	9.6
80-81	0.056855	45,865	2,608	44,562	415,310	9.1
81-82	0.061612	43,258	2,665	41,925	370,749	8.6
82-83	0.068094	40,593	2,764	39,210	328,824	8.1
83-84	0.074458	37,828	2,817	36,420	289,613	7.7
84-85	0.081795	35,012	2,864	33,580	253,193	7.2
85-86	0.088983	32,148	2,861	30,718	219,613	6.8
86-87	0.096698	29,287	2,832	27,871	188,895	6.4
87-88	0.104960	26,455	2,777	25,067	161,024	6.1
88-89	0.113788	23,679	2,694	22,331	135,957	5.7
89-90	0.123195	20,984	2,585	19,692	113,626	5.4
90-91	0.133192	18,399	2,451	17,174	93,934	5.1
91-92	0.143787	15,948	2,293	14,802	76,760	4.8
92-93	0.154979	13,655	2,116	12,597	61,958	4.5
93-94	0.166764	11,539	1,924	10,577	49,361	4.3
94-95	0.179132	9,615	1,722	8,754	38,784	4.0
95-96	0.192064	7,892	1,516	7,135	30,031	3.8
96-97	0.205537	6,377	1,311	5,721	22,896	3.6
97-98	0.219517	5,066	1,112	4,510	17,175	3.4
98-99	0.233967	3,954	925	3,491	12,665	3.2
99-100	0.248837	3,029	754	2,652	9,174	3.0
100 and over	1.000000	2,275	2,275	6,522	6,522	2.9

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 8. Life table for black males: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table08.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.014052	100,000	1,405	98,766	7,106,323	71.1
1-2	0.000624	98,595	62	98,564	7,007,557	71.1
2-3	0.000478	98,533	47	98,510	6,908,993	70.1
3-4	0.000304	98,486	30	98,471	6,810,483	69.2
4-5	0.000234	98,456	23	98,445	6,712,012	68.2
5-6	0.000245	98,433	24	98,421	6,613,567	67.2
6-7	0.000227	98,409	22	98,398	6,515,146	66.2
7-8	0.000208	98,387	20	98,377	6,416,748	65.2
8-9	0.000180	98,366	18	98,358	6,318,371	64.2
9-10	0.000144	98,349	14	98,342	6,220,013	63.2
10-11	0.000116	98,335	11	98,329	6,121,672	62.3
11-12	0.000122	98,323	12	98,317	6,023,343	61.3
12-13	0.000190	98,311	19	98,302	5,925,026	60.3
13-14	0.000334	98,292	33	98,276	5,826,724	59.3
14-15	0.000523	98,260	51	98,234	5,728,448	58.3
15-16	0.000714	98,208	70	98,173	5,630,214	57.3
16-17	0.000887	98,138	87	98,095	5,532,041	56.4
17-18	0.001057	98,051	104	97,999	5,433,946	55.4
18-19	0.001228	97,947	120	97,887	5,335,947	54.5
19-20	0.001401	97,827	137	97,759	5,238,060	53.5
20-21	0.001594	97,690	156	97,612	5,140,301	52.6
21-22	0.001783	97,534	174	97,447	5,042,689	51.7
22-23	0.001921	97,360	187	97,267	4,945,242	50.8
23-24	0.001979	97,173	192	97,077	4,847,975	49.9
24-25	0.001976	96,981	192	96,885	4,750,898	49.0
25-26	0.001950	96,789	189	96,695	4,654,012	48.1
26-27	0.001938	96,601	187	96,507	4,557,317	47.2
27-28	0.001944	96,413	187	96,320	4,460,810	46.3
28-29	0.001985	96,226	191	96,131	4,364,490	45.4
29-30	0.002058	96,035	198	95,936	4,268,360	44.4
30-31	0.002148	95,837	206	95,734	4,172,424	43.5
31-32	0.002238	95,632	214	95,525	4,076,689	42.6
32-33	0.002357	95,417	225	95,305	3,981,165	41.7
33-34	0.002407	95,193	229	95,078	3,885,860	40.8
34-35	0.002480	94,963	235	94,846	3,790,782	39.9
35-36	0.002562	94,728	243	94,607	3,695,936	39.0
36-37	0.002669	94,485	252	94,359	3,601,329	38.1
37-38	0.002803	94,233	264	94,101	3,506,970	37.2
38-39	0.002973	93,969	279	93,829	3,412,869	36.3
39-40	0.003181	93,690	298	93,541	3,319,040	35.4
40-41	0.003424	93,392	320	93,232	3,225,500	34.5
41-42	0.003697	93,072	344	92,900	3,132,268	33.7
42-43	0.003999	92,728	371	92,542	3,039,368	32.8
43-44	0.004320	92,357	399	92,157	2,946,826	31.9
44-45	0.004663	91,958	429	91,744	2,854,669	31.0
45-46	0.005003	91,529	458	91,300	2,762,925	30.2
46-47	0.005386	91,071	491	90,826	2,671,625	29.3
47-48	0.005889	90,581	533	90,314	2,580,799	28.5
48-49	0.006562	90,047	591	89,752	2,490,485	27.7
49-50	0.007385	89,456	661	89,126	2,400,733	26.8
50-51	0.008285	88,796	736	88,428	2,311,607	26.0
51-52	0.009206	88,060	811	87,655	2,223,180	25.2
52-53	0.010178	87,249	888	86,805	2,135,525	24.5
53-54	0.011190	86,361	966	85,878	2,048,720	23.7
54-55	0.012246	85,395	1,046	84,872	1,962,842	23.0
55-56	0.013415	84,349	1,132	83,783	1,877,970	22.3
56-57	0.014662	83,217	1,220	82,607	1,794,187	21.6
57-58	0.015863	81,997	1,301	81,347	1,711,579	20.9
58-59	0.016945	80,697	1,367	80,013	1,630,232	20.2
59-60	0.017946	79,329	1,424	78,617	1,550,219	19.5
60-61	0.018972	77,906	1,478	77,167	1,471,602	18.9
61-62	0.020124	76,428	1,538	75,658	1,394,435	18.2

See footnote at end of table.

Table 8. Life table for black males: United States, 2009—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table08.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.021411	74,889	1,603	74,088	1,318,777	17.6
63-64	0.022884	73,286	1,677	72,447	1,244,689	17.0
64-65	0.024543	71,609	1,757	70,730	1,172,242	16.4
65-66	0.026407	69,851	1,845	68,929	1,101,511	15.8
66-67	0.028381	68,007	1,930	67,042	1,032,582	15.2
67-68	0.030276	66,077	2,001	65,077	965,540	14.6
68-69	0.032061	64,076	2,054	63,049	900,464	14.1
69-70	0.033752	62,022	2,093	60,975	837,415	13.5
70-71	0.035243	59,929	2,112	58,872	776,440	13.0
71-72	0.036906	57,816	2,134	56,750	717,567	12.4
72-73	0.038865	55,683	2,164	54,601	660,818	11.9
73-74	0.041476	53,519	2,220	52,409	606,217	11.3
74-75	0.044510	51,299	2,283	50,157	553,808	10.8
75-76	0.047901	49,016	2,348	47,842	503,651	10.3
76-77	0.051942	46,668	2,424	45,456	455,809	9.8
77-78	0.055729	44,244	2,466	43,011	410,354	9.3
78-79	0.060349	41,778	2,521	40,517	367,343	8.8
79-80	0.066008	39,257	2,591	37,961	326,826	8.3
80-81	0.070883	36,665	2,599	35,366	288,865	7.9
81-82	0.076436	34,066	2,604	32,765	253,499	7.4
82-83	0.084314	31,463	2,653	30,136	220,734	7.0
83-84	0.092714	28,810	2,671	27,474	190,598	6.6
84-85	0.100815	26,139	2,635	24,821	163,124	6.2
85-86	0.109489	23,504	2,573	22,217	138,302	5.9
86-87	0.118753	20,930	2,486	19,687	116,085	5.5
87-88	0.128620	18,445	2,372	17,259	96,398	5.2
88-89	0.139098	16,072	2,236	14,955	79,139	4.9
89-90	0.150192	13,837	2,078	12,798	64,185	4.6
90-91	0.161899	11,759	1,904	10,807	51,387	4.4
91-92	0.174211	9,855	1,717	8,996	40,581	4.1
92-93	0.187111	8,138	1,523	7,377	31,584	3.9
93-94	0.200579	6,615	1,327	5,952	24,207	3.7
94-95	0.214581	5,288	1,135	4,721	18,256	3.5
95-96	0.229081	4,154	952	3,678	13,535	3.3
96-97	0.244032	3,202	781	2,811	9,857	3.1
97-98	0.259380	2,421	628	2,107	7,045	2.9
98-99	0.275065	1,793	493	1,546	4,938	2.8
99-100	0.291021	1,300	378	1,111	3,392	2.6
100 and over	1.000000	921	921	2,282	2,282	2.5

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 9. Life table for black females: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table09.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.011121	100,000	1,112	99,030	7,761,433	77.6
1-2	0.000605	98,888	60	98,858	7,662,403	77.5
2-3	0.000350	98,828	35	98,811	7,563,545	76.5
3-4	0.000284	98,794	28	98,780	7,464,734	75.6
4-5	0.000239	98,766	24	98,754	7,365,955	74.6
5-6	0.000201	98,742	20	98,732	7,267,201	73.6
6-7	0.000172	98,722	17	98,714	7,168,469	72.6
7-8	0.000152	98,705	15	98,698	7,069,756	71.6
8-9	0.000141	98,690	14	98,683	6,971,058	70.6
9-10	0.000137	98,676	14	98,669	6,872,375	69.6
10-11	0.000141	98,663	14	98,656	6,773,705	68.7
11-12	0.000154	98,649	15	98,641	6,675,050	67.7
12-13	0.000176	98,633	17	98,625	6,576,409	66.7
13-14	0.000205	98,616	20	98,606	6,477,784	65.7
14-15	0.000238	98,596	23	98,584	6,379,178	64.7
15-16	0.000273	98,572	27	98,559	6,280,594	63.7
16-17	0.000310	98,546	31	98,530	6,182,035	62.7
17-18	0.000350	98,515	34	98,498	6,083,504	61.8
18-19	0.000396	98,481	39	98,461	5,985,007	60.8
19-20	0.000448	98,442	44	98,420	5,886,545	59.8
20-21	0.000507	98,398	50	98,373	5,788,126	58.8
21-22	0.000569	98,348	56	98,320	5,689,753	57.9
22-23	0.000625	98,292	61	98,261	5,591,434	56.9
23-24	0.000671	98,230	66	98,197	5,493,172	55.9
24-25	0.000708	98,164	69	98,130	5,394,975	55.0
25-26	0.000746	98,095	73	98,058	5,296,845	54.0
26-27	0.000788	98,022	77	97,983	5,198,787	53.0
27-28	0.000831	97,944	81	97,904	5,100,804	52.1
28-29	0.000876	97,863	86	97,820	5,002,900	51.1
29-30	0.000924	97,777	90	97,732	4,905,080	50.2
30-31	0.000982	97,687	96	97,639	4,807,348	49.2
31-32	0.001049	97,591	102	97,540	4,709,709	48.3
32-33	0.001130	97,489	110	97,434	4,612,169	47.3
33-34	0.001203	97,379	117	97,320	4,514,735	46.4
34-35	0.001288	97,261	125	97,199	4,417,415	45.4
35-36	0.001383	97,136	134	97,069	4,320,217	44.5
36-37	0.001493	97,002	145	96,929	4,223,148	43.5
37-38	0.001617	96,857	157	96,779	4,126,218	42.6
38-39	0.001762	96,700	170	96,615	4,029,440	41.7
39-40	0.001930	96,530	186	96,437	3,932,824	40.7
40-41	0.002113	96,344	204	96,242	3,836,388	39.8
41-42	0.002316	96,140	223	96,029	3,740,146	38.9
42-43	0.002557	95,917	245	95,795	3,644,117	38.0
43-44	0.002833	95,672	271	95,537	3,548,322	37.1
44-45	0.003130	95,401	299	95,252	3,452,785	36.2
45-46	0.003425	95,103	326	94,940	3,357,533	35.3
46-47	0.003724	94,777	353	94,600	3,262,594	34.4
47-48	0.004054	94,424	383	94,232	3,167,993	33.6
48-49	0.004434	94,041	417	93,833	3,073,761	32.7
49-50	0.004862	93,624	455	93,396	2,979,928	31.8
50-51	0.005327	93,169	496	92,921	2,886,532	31.0
51-52	0.005802	92,673	538	92,404	2,793,611	30.1
52-53	0.006267	92,135	577	91,846	2,701,207	29.3
53-54	0.006704	91,558	614	91,251	2,609,361	28.5
54-55	0.007129	90,944	648	90,620	2,518,111	27.7
55-56	0.007575	90,295	684	89,953	2,427,491	26.9
56-57	0.008068	89,611	723	89,250	2,337,538	26.1
57-58	0.008599	88,888	764	88,506	2,248,288	25.3
58-59	0.009181	88,124	809	87,720	2,159,782	24.5
59-60	0.009823	87,315	858	86,886	2,072,062	23.7
60-61	0.010538	86,457	911	86,002	1,985,176	23.0
61-62	0.011327	85,546	969	85,062	1,899,174	22.2

See footnote at end of table.

Table 9. Life table for black females: United States, 2009—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table09.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.012174	84,577	1,030	84,062	1,814,112	21.4
63-64	0.013067	83,548	1,092	83,002	1,730,050	20.7
64-65	0.014017	82,456	1,156	81,878	1,647,048	20.0
65-66	0.015069	81,300	1,225	80,688	1,565,170	19.3
66-67	0.016236	80,075	1,300	79,425	1,484,482	18.5
67-68	0.017515	78,775	1,380	78,085	1,405,057	17.8
68-69	0.018823	77,395	1,457	76,667	1,326,972	17.1
69-70	0.020120	75,938	1,528	75,174	1,250,305	16.5
70-71	0.021622	74,411	1,609	73,606	1,175,131	15.8
71-72	0.023318	72,802	1,698	71,953	1,101,525	15.1
72-73	0.024937	71,104	1,773	70,217	1,029,572	14.5
73-74	0.026793	69,331	1,858	68,402	959,354	13.8
74-75	0.029093	67,473	1,963	66,492	890,952	13.2
75-76	0.031623	65,510	2,072	64,474	824,461	12.6
76-77	0.033938	63,439	2,153	62,362	759,986	12.0
77-78	0.036595	61,286	2,243	60,164	697,624	11.4
78-79	0.040217	59,043	2,375	57,856	637,460	10.8
79-80	0.044497	56,668	2,522	55,408	579,604	10.2
80-81	0.048781	54,147	2,641	52,826	524,196	9.7
81-82	0.053418	51,505	2,751	50,130	471,370	9.2
82-83	0.059455	48,754	2,899	47,305	421,240	8.6
83-84	0.065396	45,855	2,999	44,356	373,936	8.2
84-85	0.071252	42,857	3,054	41,330	329,580	7.7
85-86	0.078477	39,803	3,124	38,241	288,250	7.2
86-87	0.086078	36,679	3,157	35,101	250,008	6.8
87-88	0.094296	33,522	3,161	31,942	214,908	6.4
88-89	0.103159	30,361	3,132	28,795	182,966	6.0
89-90	0.112691	27,229	3,068	25,695	154,171	5.7
90-91	0.122912	24,161	2,970	22,676	128,476	5.3
91-92	0.133837	21,191	2,836	19,773	105,800	5.0
92-93	0.145472	18,355	2,670	17,020	86,027	4.7
93-94	0.157819	15,685	2,475	14,447	69,007	4.4
94-95	0.170871	13,209	2,257	12,081	54,560	4.1
95-96	0.184610	10,952	2,022	9,941	42,479	3.9
96-97	0.199011	8,930	1,777	8,042	32,538	3.6
97-98	0.214036	7,153	1,531	6,388	24,496	3.4
98-99	0.229639	5,622	1,291	4,977	18,109	3.2
99-100	0.245762	4,331	1,064	3,799	13,132	3.0
100 and over	1.000000	3,267	3,267	9,333	9,333	2.9

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 10. Life table for the Hispanic population: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table10.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.005261	100,000	526	99,541	8,121,408	81.2
1-2	0.000359	99,474	36	99,456	8,021,867	80.6
2-3	0.000254	99,438	25	99,426	7,922,411	79.7
3-4	0.000178	99,413	18	99,404	7,822,986	78.7
4-5	0.000129	99,395	13	99,389	7,723,582	77.7
5-6	0.000136	99,382	13	99,376	7,624,193	76.7
6-7	0.000124	99,369	12	99,363	7,524,817	75.7
7-8	0.000114	99,357	11	99,351	7,425,454	74.7
8-9	0.000105	99,345	10	99,340	7,326,103	73.7
9-10	0.000095	99,335	9	99,330	7,226,763	72.8
10-11	0.000090	99,325	9	99,321	7,127,433	71.8
11-12	0.000097	99,316	10	99,312	7,028,112	70.8
12-13	0.000128	99,307	13	99,300	6,928,800	69.8
13-14	0.000188	99,294	19	99,285	6,829,500	68.8
14-15	0.000267	99,276	26	99,262	6,730,215	67.8
15-16	0.000352	99,249	35	99,232	6,630,953	66.8
16-17	0.000433	99,214	43	99,193	6,531,721	65.8
17-18	0.000507	99,171	50	99,146	6,432,529	64.9
18-19	0.000574	99,121	57	99,092	6,333,383	63.9
19-20	0.000633	99,064	63	99,033	6,234,290	62.9
20-21	0.000695	99,001	69	98,967	6,135,258	62.0
21-22	0.000754	98,932	75	98,895	6,036,291	61.0
22-23	0.000794	98,858	79	98,819	5,937,396	60.1
23-24	0.000807	98,779	80	98,739	5,838,577	59.1
24-25	0.000799	98,700	79	98,660	5,739,838	58.2
25-26	0.000786	98,621	78	98,582	5,641,178	57.2
26-27	0.000776	98,543	77	98,505	5,542,596	56.2
27-28	0.000769	98,467	76	98,429	5,444,091	55.3
28-29	0.000767	98,391	75	98,353	5,345,662	54.3
29-30	0.000770	98,315	76	98,278	5,247,309	53.4
30-31	0.000774	98,240	76	98,202	5,149,031	52.4
31-32	0.000781	98,164	77	98,125	5,050,830	51.5
32-33	0.000793	98,087	78	98,048	4,952,704	50.5
33-34	0.000834	98,009	82	97,968	4,854,656	49.5
34-35	0.000881	97,928	86	97,884	4,756,688	48.6
35-36	0.000936	97,841	92	97,795	4,658,803	47.6
36-37	0.000999	97,750	98	97,701	4,561,008	46.7
37-38	0.001069	97,652	104	97,600	4,463,307	45.7
38-39	0.001149	97,548	112	97,492	4,365,707	44.8
39-40	0.001240	97,436	121	97,375	4,268,216	43.8
40-41	0.001340	97,315	130	97,250	4,170,840	42.9
41-42	0.001455	97,184	141	97,114	4,073,591	41.9
42-43	0.001588	97,043	154	96,966	3,976,477	41.0
43-44	0.001741	96,889	169	96,805	3,879,511	40.0
44-45	0.001909	96,720	185	96,628	3,782,707	39.1
45-46	0.002088	96,536	202	96,435	3,686,079	38.2
46-47	0.002277	96,334	219	96,224	3,589,644	37.3
47-48	0.002484	96,115	239	95,995	3,493,420	36.3
48-49	0.002715	95,876	260	95,746	3,397,425	35.4
49-50	0.002974	95,615	284	95,473	3,301,679	34.5
50-51	0.003265	95,331	311	95,175	3,206,206	33.6
51-52	0.003578	95,020	340	94,850	3,111,030	32.7
52-53	0.003893	94,680	369	94,496	3,016,181	31.9
53-54	0.004193	94,311	395	94,114	2,921,685	31.0
54-55	0.004485	93,916	421	93,705	2,827,571	30.1
55-56	0.004794	93,495	448	93,270	2,733,866	29.2
56-57	0.005141	93,046	478	92,807	2,640,596	28.4
57-58	0.005519	92,568	511	92,313	2,547,789	27.5
58-59	0.005933	92,057	546	91,784	2,455,476	26.7
59-60	0.006386	91,511	584	91,219	2,363,692	25.8
60-61	0.006874	90,927	625	90,614	2,272,473	25.0
61-62	0.007408	90,302	669	89,967	2,181,859	24.2

See footnote at end of table.

Table 10. Life table for the Hispanic population: United States, 2009—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table10.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.008010	89,633	718	89,274	2,091,892	23.3
63-64	0.008706	88,915	774	88,528	2,002,619	22.5
64-65	0.009510	88,141	838	87,721	1,914,091	21.7
65-66	0.010439	87,302	911	86,847	1,826,370	20.9
66-67	0.011478	86,391	992	85,895	1,739,523	20.1
67-68	0.012587	85,399	1,075	84,862	1,653,628	19.4
68-69	0.013705	84,324	1,156	83,747	1,568,766	18.6
69-70	0.014822	83,169	1,233	82,552	1,485,019	17.9
70-71	0.015967	81,936	1,308	81,282	1,402,467	17.1
71-72	0.017225	80,628	1,389	79,933	1,321,185	16.4
72-73	0.018657	79,239	1,478	78,500	1,241,252	15.7
73-74	0.020348	77,760	1,582	76,969	1,162,752	15.0
74-75	0.022306	76,178	1,699	75,329	1,085,783	14.3
75-76	0.024382	74,479	1,816	73,571	1,010,454	13.6
76-77	0.026628	72,663	1,935	71,696	936,883	12.9
77-78	0.029273	70,728	2,070	69,693	865,188	12.2
78-79	0.032405	68,658	2,225	67,545	795,495	11.6
79-80	0.035926	66,433	2,387	65,240	727,949	11.0
80-81	0.039802	64,046	2,549	62,772	662,710	10.3
81-82	0.044056	61,497	2,709	60,142	599,938	9.8
82-83	0.048800	58,788	2,869	57,353	539,796	9.2
83-84	0.054229	55,919	3,032	54,403	482,442	8.6
84-85	0.060307	52,887	3,189	51,292	428,040	8.1
85-86	0.067606	49,697	3,360	48,017	376,748	7.6
86-87	0.075467	46,337	3,497	44,589	328,731	7.1
87-88	0.084100	42,840	3,603	41,039	284,142	6.6
88-89	0.093548	39,237	3,671	37,402	243,103	6.2
89-90	0.103847	35,567	3,694	33,720	205,701	5.8
90-91	0.115027	31,873	3,666	30,040	171,980	5.4
91-92	0.127109	28,207	3,585	26,414	141,940	5.0
92-93	0.140100	24,622	3,449	22,897	115,526	4.7
93-94	0.153994	21,172	3,260	19,542	92,629	4.4
94-95	0.168771	17,912	3,023	16,400	73,087	4.1
95-96	0.184391	14,889	2,745	13,516	56,687	3.8
96-97	0.200798	12,143	2,438	10,924	43,170	3.6
97-98	0.217915	9,705	2,115	8,648	32,246	3.3
98-99	0.235650	7,590	1,789	6,696	23,599	3.1
99-100	0.253890	5,802	1,473	5,065	16,903	2.9
100 and over	1.000000	4,329	4,329	11,838	11,838	2.7

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 11. Life table for Hispanic males: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table11.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.005652	100,000	565	99,506	7,870,375	78.7
1-2	0.000366	99,435	36	99,417	7,770,869	78.2
2-3	0.000275	99,398	27	99,385	7,671,453	77.2
3-4	0.000184	99,371	18	99,362	7,572,068	76.2
4-5	0.000143	99,353	14	99,346	7,472,706	75.2
5-6	0.000141	99,339	14	99,332	7,373,360	74.2
6-7	0.000129	99,325	13	99,318	7,274,029	73.2
7-8	0.000118	99,312	12	99,306	7,174,711	72.2
8-9	0.000105	99,300	10	99,295	7,075,405	71.3
9-10	0.000090	99,290	9	99,285	6,976,110	70.3
10-11	0.000080	99,281	8	99,277	6,876,825	69.3
11-12	0.000088	99,273	9	99,268	6,777,548	68.3
12-13	0.000134	99,264	13	99,257	6,678,280	67.3
13-14	0.000227	99,251	23	99,239	6,579,023	66.3
14-15	0.000352	99,228	35	99,211	6,479,783	65.3
15-16	0.000484	99,193	48	99,169	6,380,573	64.3
16-17	0.000609	99,145	60	99,115	6,281,404	63.4
17-18	0.000727	99,085	72	99,049	6,182,289	62.4
18-19	0.000838	99,013	83	98,971	6,083,240	61.4
19-20	0.000940	98,930	93	98,883	5,984,269	60.5
20-21	0.001048	98,837	104	98,785	5,885,385	59.5
21-22	0.001147	98,733	113	98,677	5,786,600	58.6
22-23	0.001206	98,620	119	98,561	5,687,924	57.7
23-24	0.001213	98,501	119	98,441	5,589,363	56.7
24-25	0.001181	98,382	116	98,323	5,490,922	55.8
25-26	0.001139	98,265	112	98,209	5,392,598	54.9
26-27	0.001104	98,153	108	98,099	5,294,389	53.9
27-28	0.001078	98,045	106	97,992	5,196,290	53.0
28-29	0.001067	97,939	104	97,887	5,098,297	52.1
29-30	0.001067	97,835	104	97,783	5,000,410	51.1
30-31	0.001069	97,730	105	97,678	4,902,628	50.2
31-32	0.001073	97,626	105	97,574	4,804,949	49.2
32-33	0.001074	97,521	105	97,469	4,707,376	48.3
33-34	0.001120	97,416	109	97,362	4,609,907	47.3
34-35	0.001167	97,307	114	97,251	4,512,545	46.4
35-36	0.001224	97,194	119	97,134	4,415,295	45.4
36-37	0.001289	97,075	125	97,012	4,318,160	44.5
37-38	0.001369	96,950	133	96,883	4,221,148	43.5
38-39	0.001464	96,817	142	96,746	4,124,265	42.6
39-40	0.001574	96,675	152	96,599	4,027,518	41.7
40-41	0.001701	96,523	164	96,441	3,930,919	40.7
41-42	0.001843	96,359	178	96,270	3,834,478	39.8
42-43	0.001999	96,181	192	96,085	3,738,208	38.9
43-44	0.002165	95,989	208	95,885	3,642,123	37.9
44-45	0.002342	95,781	224	95,669	3,546,238	37.0
45-46	0.002528	95,557	242	95,436	3,450,568	36.1
46-47	0.002733	95,315	261	95,185	3,355,132	35.2
47-48	0.002978	95,055	283	94,913	3,259,947	34.3
48-49	0.003277	94,772	311	94,617	3,165,034	33.4
49-50	0.003633	94,461	343	94,290	3,070,417	32.5
50-51	0.004040	94,118	380	93,928	2,976,128	31.6
51-52	0.004475	93,738	419	93,528	2,882,200	30.7
52-53	0.004916	93,318	459	93,089	2,788,671	29.9
53-54	0.005337	92,860	496	92,612	2,695,582	29.0
54-55	0.005743	92,364	530	92,099	2,602,971	28.2
55-56	0.006177	91,834	567	91,550	2,510,872	27.3
56-57	0.006662	91,266	608	90,962	2,419,322	26.5
57-58	0.007174	90,658	650	90,333	2,328,359	25.7
58-59	0.007710	90,008	694	89,661	2,238,026	24.9
59-60	0.008274	89,314	739	88,945	2,148,365	24.1
60-61	0.008870	88,575	786	88,182	2,059,421	23.3
61-62	0.009517	87,789	836	87,372	1,971,238	22.5

See footnote at end of table.

Table 11. Life table for Hispanic males: United States, 2009—Con.

Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table11.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.010239	86,954	890	86,509	1,883,867	21.7
63-64	0.011068	86,064	953	85,587	1,797,358	20.9
64-65	0.012027	85,111	1,024	84,599	1,711,771	20.1
65-66	0.013120	84,087	1,103	83,536	1,627,172	19.4
66-67	0.014341	82,984	1,190	82,389	1,543,636	18.6
67-68	0.015682	81,794	1,283	81,153	1,461,247	17.9
68-69	0.017083	80,511	1,375	79,824	1,380,094	17.1
69-70	0.018513	79,136	1,465	78,403	1,300,270	16.4
70-71	0.019988	77,671	1,552	76,895	1,221,867	15.7
71-72	0.021559	76,118	1,641	75,298	1,144,972	15.0
72-73	0.023242	74,477	1,731	73,612	1,069,674	14.4
73-74	0.025102	72,746	1,826	71,833	996,062	13.7
74-75	0.027167	70,920	1,927	69,957	924,229	13.0
75-76	0.029305	68,994	2,022	67,983	854,272	12.4
76-77	0.031731	66,972	2,125	65,909	786,290	11.7
77-78	0.034765	64,847	2,254	63,719	720,380	11.1
78-79	0.038532	62,592	2,412	61,386	656,661	10.5
79-80	0.042879	60,180	2,580	58,890	595,275	9.9
80-81	0.047899	57,600	2,759	56,220	536,385	9.3
81-82	0.053532	54,841	2,936	53,373	480,164	8.8
82-83	0.059159	51,905	3,071	50,370	426,791	8.2
83-84	0.065459	48,834	3,197	47,236	376,421	7.7
84-85	0.072602	45,638	3,313	43,981	329,185	7.2
85-86	0.081605	42,324	3,454	40,597	285,204	6.7
86-87	0.090915	38,871	3,534	37,104	244,607	6.3
87-88	0.101085	35,337	3,572	33,551	207,503	5.9
88-89	0.112146	31,765	3,562	29,984	173,952	5.5
89-90	0.124124	28,202	3,501	26,452	143,969	5.1
90-91	0.137029	24,702	3,385	23,009	117,517	4.8
91-92	0.150859	21,317	3,216	19,709	94,507	4.4
92-93	0.165596	18,101	2,997	16,602	74,798	4.1
93-94	0.181205	15,104	2,737	13,735	58,196	3.9
94-95	0.197631	12,367	2,444	11,145	44,461	3.6
95-96	0.214801	9,923	2,131	8,857	33,316	3.4
96-97	0.232620	7,791	1,812	6,885	24,459	3.1
97-98	0.250978	5,979	1,501	5,229	17,574	2.9
98-99	0.269749	4,478	1,208	3,874	12,346	2.8
99-100	0.288794	3,270	944	2,798	8,471	2.6
100 and over	1.000000	2,326	2,326	5,673	5,673	2.4

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 12. Life table for Hispanic females: United States, 2009Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table12.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.004852	100,000	485	99,577	8,351,451	83.5
1-2	0.000352	99,515	35	99,497	8,251,874	82.9
2-3	0.000232	99,480	23	99,468	8,152,376	82.0
3-4	0.000171	99,457	17	99,448	8,052,908	81.0
4-5	0.000114	99,440	11	99,434	7,953,460	80.0
5-6	0.000130	99,428	13	99,422	7,854,026	79.0
6-7	0.000118	99,415	12	99,409	7,754,604	78.0
7-8	0.000110	99,404	11	99,398	7,655,195	77.0
8-9	0.000104	99,393	10	99,387	7,555,797	76.0
9-10	0.000101	99,382	10	99,377	7,456,409	75.0
10-11	0.000101	99,372	10	99,367	7,357,032	74.0
11-12	0.000107	99,362	11	99,357	7,257,665	73.0
12-13	0.000122	99,352	12	99,346	7,158,308	72.1
13-14	0.000146	99,339	15	99,332	7,058,963	71.1
14-15	0.000177	99,325	18	99,316	6,959,630	70.1
15-16	0.000211	99,307	21	99,297	6,860,314	69.1
16-17	0.000244	99,286	24	99,274	6,761,017	68.1
17-18	0.000271	99,262	27	99,249	6,661,743	67.1
18-19	0.000288	99,235	29	99,221	6,562,494	66.1
19-20	0.000298	99,207	30	99,192	6,463,273	65.1
20-21	0.000307	99,177	30	99,162	6,364,081	64.2
21-22	0.000318	99,147	32	99,131	6,264,919	63.2
22-23	0.000329	99,115	33	99,099	6,165,788	62.2
23-24	0.000342	99,083	34	99,066	6,066,689	61.2
24-25	0.000356	99,049	35	99,031	5,967,624	60.2
25-26	0.000371	99,013	37	98,995	5,868,593	59.3
26-27	0.000385	98,977	38	98,958	5,769,598	58.3
27-28	0.000396	98,939	39	98,919	5,670,640	57.3
28-29	0.000402	98,899	40	98,880	5,571,721	56.3
29-30	0.000407	98,860	40	98,840	5,472,841	55.4
30-31	0.000412	98,819	41	98,799	5,374,002	54.4
31-32	0.000422	98,779	42	98,758	5,275,203	53.4
32-33	0.000443	98,737	44	98,715	5,176,445	52.4
33-34	0.000483	98,693	48	98,670	5,077,730	51.4
34-35	0.000534	98,646	53	98,619	4,979,060	50.5
35-36	0.000594	98,593	59	98,564	4,880,441	49.5
36-37	0.000657	98,534	65	98,502	4,781,877	48.5
37-38	0.000721	98,470	71	98,434	4,683,375	47.6
38-39	0.000785	98,399	77	98,360	4,584,941	46.6
39-40	0.000853	98,321	84	98,279	4,486,581	45.6
40-41	0.000924	98,238	91	98,192	4,388,301	44.7
41-42	0.001008	98,147	99	98,097	4,290,109	43.7
42-43	0.001119	98,048	110	97,993	4,192,012	42.8
43-44	0.001263	97,938	124	97,876	4,094,019	41.8
44-45	0.001431	97,814	140	97,745	3,996,142	40.9
45-46	0.001613	97,675	158	97,596	3,898,398	39.9
46-47	0.001794	97,517	175	97,430	3,800,802	39.0
47-48	0.001968	97,342	192	97,246	3,703,373	38.0
48-49	0.002132	97,150	207	97,047	3,606,126	37.1
49-50	0.002292	96,943	222	96,832	3,509,079	36.2
50-51	0.002467	96,721	239	96,602	3,412,247	35.3
51-52	0.002659	96,483	257	96,354	3,315,645	34.4
52-53	0.002853	96,226	274	96,089	3,219,291	33.5
53-54	0.003042	95,951	292	95,806	3,123,202	32.5
54-55	0.003232	95,660	309	95,505	3,027,397	31.6
55-56	0.003433	95,350	327	95,187	2,931,892	30.7
56-57	0.003662	95,023	348	94,849	2,836,705	29.9
57-58	0.003927	94,675	372	94,489	2,741,856	29.0
58-59	0.004242	94,303	400	94,103	2,647,367	28.1
59-60	0.004608	93,903	433	93,687	2,553,264	27.2
60-61	0.005013	93,471	469	93,236	2,459,577	26.3
61-62	0.005461	93,002	508	92,748	2,366,341	25.4

See footnote at end of table.

Table 12. Life table for Hispanic females: United States, 2009—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/62_07/Table12.xls.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
62-63	0.005976	92,494	553	92,218	2,273,593	24.6
63-64	0.006578	91,941	605	91,639	2,181,375	23.7
64-65	0.007276	91,337	665	91,004	2,089,736	22.9
65-66	0.008098	90,672	734	90,305	1,998,731	22.0
66-67	0.009020	89,938	811	89,532	1,908,427	21.2
67-68	0.009973	89,127	889	88,682	1,818,894	20.4
68-69	0.010888	88,238	961	87,757	1,730,212	19.6
69-70	0.011779	87,277	1,028	86,763	1,642,455	18.8
70-71	0.012683	86,249	1,094	85,702	1,555,692	18.0
71-72	0.013719	85,155	1,168	84,571	1,469,990	17.3
72-73	0.014986	83,987	1,259	83,357	1,385,419	16.5
73-74	0.016594	82,728	1,373	82,042	1,302,061	15.7
74-75	0.018528	81,355	1,507	80,602	1,220,020	15.0
75-76	0.020615	79,848	1,646	79,025	1,139,418	14.3
76-77	0.022778	78,202	1,781	77,311	1,060,393	13.6
77-78	0.025213	76,421	1,927	75,457	983,082	12.9
78-79	0.027999	74,494	2,086	73,451	907,624	12.2
79-80	0.031098	72,408	2,252	71,282	834,173	11.5
80-81	0.034400	70,156	2,413	68,950	762,891	10.9
81-82	0.037997	67,743	2,574	66,456	693,941	10.2
82-83	0.042470	65,169	2,768	63,785	627,485	9.6
83-84	0.047738	62,401	2,979	60,912	563,700	9.0
84-85	0.053614	59,422	3,186	57,829	502,789	8.5
85-86	0.060397	56,236	3,397	54,538	444,959	7.9
86-87	0.068130	52,840	3,600	51,040	390,421	7.4
87-88	0.076565	49,240	3,770	47,355	339,381	6.9
88-89	0.085879	45,470	3,905	43,517	292,026	6.4
89-90	0.096126	41,565	3,995	39,567	248,509	6.0
90-91	0.107347	37,570	4,033	35,553	208,942	5.6
91-92	0.119577	33,537	4,010	31,531	173,389	5.2
92-93	0.132837	29,526	3,922	27,565	141,857	4.8
93-94	0.147132	25,604	3,767	23,721	114,292	4.5
94-95	0.162450	21,837	3,547	20,063	90,571	4.1
95-96	0.178756	18,290	3,269	16,655	70,508	3.9
96-97	0.195994	15,020	2,944	13,548	53,853	3.6
97-98	0.214084	12,076	2,585	10,784	40,305	3.3
98-99	0.232921	9,491	2,211	8,386	29,521	3.1
99-100	0.252380	7,280	1,837	6,362	21,136	2.9
100 and over	1.000000	5,443	5,443	14,774	14,774	2.7

SOURCE: CDC/NCHS, National Vital Statistics System.