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Table MA-2. Life table for males: Massachusetts, 2019

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 over age x	Expectation of life at age x
	q_x	l_x	d_x	L_x	T_x	e_x
0-1	0.003999	100,000	400	99,648	7,792,865	77.9
1-2	0.000274	99,600	27	99,586	7,693,217	77.2
2-3	0.000055	99,573	5	99,570	7,593,630	76.3
3-4	0.000138	99,567	14	99,560	7,494,060	75.3
4-5	0.000136	99,554	14	99,547	7,394,500	74.3
5-6	0.000100	99,540	10	99,535	7,294,953	73.3
6-7	0.000092	99,530	9	99,525	7,195,418	72.3
7-8	0.000084	99,521	8	99,517	7,095,893	71.3
8-9	0.000077	99,512	8	99,509	6,996,376	70.3
9-10	0.000072	99,505	7	99,501	6,896,867	69.3
10-11	0.000072	99,498	7	99,494	6,797,366	68.3
11-12	0.000079	99,490	8	99,486	6,697,872	67.3
12-13	0.000096	99,483	10	99,478	6,598,386	66.3
13-14	0.000124	99,473	12	99,467	6,498,908	65.3
14-15	0.000161	99,461	16	99,453	6,399,441	64.3
15-16	0.000203	99,445	20	99,434	6,299,989	63.4
16-17	0.000253	99,424	25	99,412	6,200,554	62.4
17-18	0.000319	99,399	32	99,383	6,101,142	61.4
18-19	0.000406	99,367	40	99,347	6,001,759	60.4
19-20	0.000510	99,327	51	99,302	5,902,412	59.4
20-21	0.000616	99,277	61	99,246	5,803,110	58.5
21-22	0.000725	99,215	72	99,179	5,703,864	57.5
22-23	0.000851	99,143	84	99,101	5,604,685	56.5
23-24	0.000995	99,059	99	99,010	5,505,583	55.6
24-25	0.001145	98,960	113	98,904	5,406,574	54.6
25-26	0.001299	98,847	128	98,783	5,307,670	53.7
26-27	0.001440	98,719	142	98,648	5,208,887	52.8
27-28	0.001555	98,577	153	98,500	5,110,239	51.8
28-29	0.001639	98,423	161	98,343	5,011,739	50.9
29-30	0.001700	98,262	167	98,178	4,913,397	50.0
30-31	0.001757	98,095	172	98,009	4,815,218	49.1
31-32	0.001817	97,923	178	97,834	4,717,209	48.2
32-33	0.001850	97,745	181	97,654	4,619,376	47.3
33-34	0.001902	97,564	186	97,471	4,521,721	46.3
34-35	0.001931	97,378	188	97,284	4,424,250	45.4
35-36	0.001954	97,190	190	97,095	4,326,966	44.5
36-37	0.001984	97,000	192	96,904	4,229,871	43.6
37-38	0.002037	96,808	197	96,709	4,132,967	42.7
38-39	0.002124	96,611	205	96,508	4,036,258	41.8
39-40	0.002241	96,405	216	96,297	3,939,750	40.9
40-41	0.002398	96,189	231	96,074	3,843,452	40.0
41-42	0.002564	95,959	246	95,836	3,747,378	39.1
42-43	0.002689	95,713	257	95,584	3,651,542	38.2
43-44	0.002744	95,455	262	95,324	3,555,958	37.3
44-45	0.002761	95,193	263	95,062	3,460,634	36.4
45-46	0.002762	94,930	262	94,799	3,365,572	35.5
46-47	0.002822	94,668	267	94,535	3,270,773	34.5
47-48	0.003009	94,401	284	94,259	3,176,238	33.6
48-49	0.003362	94,117	316	93,959	3,081,979	32.7
49-50	0.003829	93,801	359	93,621	2,988,020	31.9
50-51	0.004346	93,442	406	93,239	2,894,399	31.0
51-52	0.004836	93,035	450	92,811	2,801,160	30.1
52-53	0.005265	92,586	488	92,342	2,708,350	29.3

Table MA-2. Life table for males: Massachusetts, 2019

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 over age x	Expectation of life at age x
	q_x	l_x	d_x	L_x	T_x	e_x
53-54	0.005604	92,098	516	91,840	2,616,008	28.4
54-55	0.005887	91,582	539	91,312	2,524,168	27.6
55-56	0.006148	91,043	560	90,763	2,432,856	26.7
56-57	0.006461	90,483	585	90,191	2,342,093	25.9
57-58	0.006884	89,899	619	89,589	2,251,902	25.0
58-59	0.007467	89,280	667	88,946	2,162,313	24.2
59-60	0.008186	88,613	725	88,250	2,073,366	23.4
60-61	0.008992	87,888	790	87,493	1,985,116	22.6
61-62	0.009810	87,097	854	86,670	1,897,623	21.8
62-63	0.010624	86,243	916	85,785	1,810,953	21.0
63-64	0.011402	85,327	973	84,840	1,725,168	20.2
64-65	0.012176	84,354	1,027	83,840	1,640,328	19.4
65-66	0.013024	83,327	1,085	82,784	1,556,488	18.7
66-67	0.014269	82,241	1,174	81,655	1,473,704	17.9
67-68	0.015418	81,068	1,250	80,443	1,392,049	17.2
68-69	0.016536	79,818	1,320	79,158	1,311,606	16.4
69-70	0.017689	78,498	1,389	77,804	1,232,448	15.7
70-71	0.018950	77,110	1,461	76,379	1,154,644	15.0
71-72	0.020418	75,648	1,545	74,876	1,078,265	14.3
72-73	0.022177	74,104	1,643	73,282	1,003,389	13.5
73-74	0.024292	72,461	1,760	71,580	930,107	12.8
74-75	0.026811	70,700	1,896	69,753	858,526	12.1
75-76	0.029773	68,805	2,049	67,780	788,774	11.5
76-77	0.033244	66,756	2,219	65,647	720,993	10.8
77-78	0.037342	64,537	2,410	63,332	655,347	10.2
78-79	0.042063	62,127	2,613	60,820	592,015	9.5
79-80	0.047452	59,514	2,824	58,102	531,194	8.9
80-81	0.053557	56,690	3,036	55,172	473,092	8.3
81-82	0.059951	53,654	3,217	52,045	417,921	7.8
82-83	0.067900	50,437	3,425	48,725	365,875	7.3
83-84	0.076769	47,012	3,609	45,208	317,151	6.7
84-85	0.086629	43,403	3,760	41,523	271,943	6.3
85-86	0.097547	39,643	3,867	37,710	230,420	5.8
86-87	0.109580	35,776	3,920	33,816	192,710	5.4
87-88	0.122778	31,856	3,911	29,900	158,894	5.0
88-89	0.137173	27,945	3,833	26,028	128,994	4.6
89-90	0.152782	24,111	3,684	22,269	102,966	4.3
90-91	0.169599	20,428	3,464	18,695	80,696	4.0
91-92	0.187591	16,963	3,182	15,372	62,001	3.7
92-93	0.206698	13,781	2,848	12,357	46,629	3.4
93-94	0.226829	10,932	2,480	9,693	34,272	3.1
94-95	0.247865	8,453	2,095	7,405	24,579	2.9
95-96	0.269655	6,358	1,714	5,500	17,174	2.7
96-97	0.292026	4,643	1,356	3,965	11,674	2.5
97-98	0.314780	3,287	1,035	2,770	7,709	2.3
98-99	0.337710	2,253	761	1,872	4,939	2.2
99-100	0.360598	1,492	538	1,223	3,067	2.1
100 and over	1.000000	954	954	1,844	1,844	1.9

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

Table MA-3. Life table for females: Massachusetts, 2019

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 over age x	Expectation of life at age x
	q_x	l_x	d_x	L_x	T_x	e_x
0-1	0.003337	100,000	334	99,687	8,279,994	82.8
1-2	0.000173	99,666	17	99,658	8,180,307	82.1
2-3	0.000145	99,649	14	99,642	8,080,650	81.1
3-4	0.000029	99,635	3	99,633	7,981,008	80.1
4-5	0.000172	99,632	17	99,623	7,881,375	79.1
5-6	0.000103	99,615	10	99,610	7,781,751	78.1
6-7	0.000097	99,604	10	99,600	7,682,142	77.1
7-8	0.000090	99,595	9	99,590	7,582,542	76.1
8-9	0.000081	99,586	8	99,582	7,482,952	75.1
9-10	0.000072	99,578	7	99,574	7,383,370	74.1
10-11	0.000064	99,570	6	99,567	7,283,796	73.2
11-12	0.000060	99,564	6	99,561	7,184,229	72.2
12-13	0.000062	99,558	6	99,555	7,084,668	71.2
13-14	0.000072	99,552	7	99,548	6,985,113	70.2
14-15	0.000087	99,545	9	99,540	6,885,564	69.2
15-16	0.000106	99,536	11	99,531	6,786,024	68.2
16-17	0.000125	99,526	12	99,519	6,686,493	67.2
17-18	0.000145	99,513	14	99,506	6,586,974	66.2
18-19	0.000166	99,499	16	99,491	6,487,468	65.2
19-20	0.000188	99,482	19	99,473	6,387,977	64.2
20-21	0.000210	99,464	21	99,453	6,288,504	63.2
21-22	0.000235	99,443	23	99,431	6,189,051	62.2
22-23	0.000273	99,419	27	99,406	6,089,620	61.3
23-24	0.000325	99,392	32	99,376	5,990,214	60.3
24-25	0.000387	99,360	38	99,341	5,890,838	59.3
25-26	0.000455	99,321	45	99,299	5,791,497	58.3
26-27	0.000520	99,276	52	99,250	5,692,199	57.3
27-28	0.000576	99,225	57	99,196	5,592,948	56.4
28-29	0.000616	99,167	61	99,137	5,493,752	55.4
29-30	0.000646	99,106	64	99,074	5,394,615	54.4
30-31	0.000674	99,042	67	99,009	5,295,541	53.5
31-32	0.000706	98,976	70	98,941	5,196,532	52.5
32-33	0.000740	98,906	73	98,869	5,097,591	51.5
33-34	0.000787	98,832	78	98,794	4,998,722	50.6
34-35	0.000838	98,755	83	98,713	4,899,929	49.6
35-36	0.000898	98,672	89	98,628	4,801,215	48.7
36-37	0.000960	98,583	95	98,536	4,702,588	47.7
37-38	0.001016	98,489	100	98,439	4,604,052	46.7
38-39	0.001062	98,389	104	98,336	4,505,613	45.8
39-40	0.001103	98,284	108	98,230	4,407,277	44.8
40-41	0.001147	98,176	113	98,119	4,309,047	43.9
41-42	0.001205	98,063	118	98,004	4,210,928	42.9
42-43	0.001286	97,945	126	97,882	4,112,923	42.0
43-44	0.001392	97,819	136	97,751	4,015,042	41.0
44-45	0.001516	97,683	148	97,609	3,917,291	40.1
45-46	0.001658	97,535	162	97,454	3,819,682	39.2
46-47	0.001802	97,373	175	97,285	3,722,228	38.2
47-48	0.001925	97,198	187	97,104	3,624,943	37.3
48-49	0.002020	97,010	196	96,912	3,527,839	36.4
49-50	0.002105	96,815	204	96,713	3,430,927	35.4
50-51	0.002186	96,611	211	96,505	3,334,214	34.5
51-52	0.002302	96,399	222	96,289	3,237,709	33.6
52-53	0.002495	96,178	240	96,058	3,141,420	32.7

Table MA-3. Life table for females: Massachusetts, 2019

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 over age x	Expectation of life at age x
	q_x	l_x	d_x	L_x	T_x	e_x
53-54	0.002783	95,938	267	95,804	3,045,363	31.7
54-55	0.003137	95,671	300	95,521	2,949,559	30.8
55-56	0.003513	95,371	335	95,203	2,854,038	29.9
56-57	0.003879	95,036	369	94,851	2,758,835	29.0
57-58	0.004246	94,667	402	94,466	2,663,984	28.1
58-59	0.004614	94,265	435	94,047	2,569,518	27.3
59-60	0.004994	93,830	469	93,596	2,475,471	26.4
60-61	0.005415	93,361	506	93,109	2,381,875	25.5
61-62	0.005869	92,856	545	92,583	2,288,766	24.6
62-63	0.006326	92,311	584	92,019	2,196,183	23.8
63-64	0.006777	91,727	622	91,416	2,104,164	22.9
64-65	0.007248	91,105	660	90,775	2,012,748	22.1
65-66	0.007757	90,445	702	90,094	1,921,973	21.3
66-67	0.008487	89,743	762	89,363	1,831,879	20.4
67-68	0.009279	88,982	826	88,569	1,742,516	19.6
68-69	0.010190	88,156	898	87,707	1,653,947	18.8
69-70	0.011228	87,258	980	86,768	1,566,240	17.9
70-71	0.012385	86,278	1,069	85,744	1,479,473	17.1
71-72	0.013673	85,209	1,165	84,627	1,393,729	16.4
72-73	0.015128	84,044	1,271	83,409	1,309,102	15.6
73-74	0.016798	82,773	1,390	82,078	1,225,693	14.8
74-75	0.018750	81,383	1,526	80,620	1,143,616	14.1
75-76	0.020989	79,857	1,676	79,019	1,062,996	13.3
76-77	0.023553	78,181	1,841	77,260	983,978	12.6
77-78	0.026578	76,339	2,029	75,325	906,718	11.9
78-79	0.030133	74,310	2,239	73,191	831,393	11.2
79-80	0.034244	72,071	2,468	70,837	758,202	10.5
80-81	0.038781	69,603	2,699	68,253	687,365	9.9
81-82	0.043739	66,904	2,926	65,441	619,112	9.3
82-83	0.049297	63,977	3,154	62,400	553,671	8.7
83-84	0.055593	60,824	3,381	59,133	491,271	8.1
84-85	0.063142	57,442	3,627	55,629	432,138	7.5
85-86	0.071596	53,815	3,853	51,889	376,510	7.0
86-87	0.081031	49,962	4,048	47,938	324,621	6.5
87-88	0.091517	45,914	4,202	43,813	276,683	6.0
88-89	0.103122	41,712	4,301	39,561	232,870	5.6
89-90	0.115901	37,410	4,336	35,242	193,309	5.2
90-91	0.129900	33,074	4,296	30,926	158,067	4.8
91-92	0.145143	28,778	4,177	26,690	127,140	4.4
92-93	0.161636	24,601	3,976	22,613	100,451	4.1
93-94	0.179359	20,625	3,699	18,775	77,838	3.8
94-95	0.198263	16,926	3,356	15,248	59,063	3.5
95-96	0.218266	13,570	2,962	12,089	43,815	3.2
96-97	0.239257	10,608	2,538	9,339	31,726	3.0
97-98	0.261091	8,070	2,107	7,016	22,387	2.8
98-99	0.283595	5,963	1,691	5,117	15,371	2.6
99-100	0.306573	4,272	1,310	3,617	10,253	2.4
100 and over	1.000000	2,962	2,962	6,636	6,636	2.2

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.