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Table MT-2. Life table for males: Montana, 2022

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	0.005238	100,000	524	99,564	7,486,295	74.9
1-2	0.000177	99,476	18	99,467	7,386,731	74.3
2-3	0.000335	99,459	33	99,442	7,287,264	73.3
3-4	0.000321	99,425	32	99,409	7,187,822	72.3
4-5	0.000259	99,393	26	99,381	7,088,412	71.3
5-6	0.000201	99,368	20	99,358	6,989,032	70.3
6-7	0.000243	99,348	24	99,336	6,889,674	69.3
7-8	0.000268	99,324	27	99,310	6,790,339	68.4
8-9	0.000256	99,297	25	99,284	6,691,028	67.4
9-10	0.000210	99,272	21	99,261	6,591,744	66.4
10-11	0.000161	99,251	16	99,243	6,492,483	65.4
11-12	0.000156	99,235	15	99,227	6,393,240	64.4
12-13	0.000252	99,219	25	99,207	6,294,013	63.4
13-14	0.000481	99,194	48	99,170	6,194,807	62.5
14-15	0.000800	99,147	79	99,107	6,095,636	61.5
15-16	0.001180	99,067	117	99,009	5,996,529	60.5
16-17	0.001522	98,950	151	98,875	5,897,520	59.6
17-18	0.001714	98,800	169	98,715	5,798,645	58.7
18-19	0.001692	98,630	167	98,547	5,699,930	57.8
19-20	0.001537	98,464	151	98,388	5,601,383	56.9
20-21	0.001347	98,312	132	98,246	5,502,995	56.0
21-22	0.001225	98,180	120	98,120	5,404,749	55.0
22-23	0.001202	98,059	118	98,001	5,306,630	54.1
23-24	0.001315	97,942	129	97,877	5,208,629	53.2
24-25	0.001536	97,813	150	97,738	5,110,752	52.3
25-26	0.001803	97,663	176	97,575	5,013,014	51.3
26-27	0.002053	97,487	200	97,386	4,915,440	50.4
27-28	0.002275	97,286	221	97,176	4,818,053	49.5
28-29	0.002428	97,065	236	96,947	4,720,878	48.6
29-30	0.002522	96,829	244	96,707	4,623,930	47.8
30-31	0.002606	96,585	252	96,459	4,527,223	46.9
31-32	0.002706	96,334	261	96,203	4,430,764	46.0
32-33	0.002845	96,073	273	95,936	4,334,561	45.1
33-34	0.002918	95,800	280	95,660	4,238,624	44.2
34-35	0.003034	95,520	290	95,375	4,142,964	43.4
35-36	0.003147	95,230	300	95,080	4,047,589	42.5
36-37	0.003252	94,931	309	94,776	3,952,509	41.6
37-38	0.003353	94,622	317	94,463	3,857,733	40.8
38-39	0.003449	94,305	325	94,142	3,763,270	39.9
39-40	0.003538	93,979	333	93,813	3,669,128	39.0
40-41	0.003646	93,647	341	93,476	3,575,315	38.2
41-42	0.003756	93,305	350	93,130	3,481,839	37.3
42-43	0.003824	92,955	355	92,777	3,388,709	36.5

Table MT-2. Life table for males: Montana, 2022

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
43-44	0.003839	92,599	355	92,422	3,295,931	35.6
44-45	0.003827	92,244	353	92,067	3,203,510	34.7
45-46	0.003807	91,891	350	91,716	3,111,442	33.9
46-47	0.003850	91,541	352	91,365	3,019,726	33.0
47-48	0.004031	91,189	368	91,005	2,928,361	32.1
48-49	0.004393	90,821	399	90,622	2,837,356	31.2
49-50	0.004887	90,422	442	90,201	2,746,735	30.4
50-51	0.005441	89,980	490	89,735	2,656,534	29.5
51-52	0.006002	89,491	537	89,222	2,566,798	28.7
52-53	0.006559	88,954	583	88,662	2,477,576	27.9
53-54	0.007105	88,370	628	88,056	2,388,914	27.0
54-55	0.007664	87,742	672	87,406	2,300,858	26.2
55-56	0.008256	87,070	719	86,710	2,213,452	25.4
56-57	0.008904	86,351	769	85,967	2,126,741	24.6
57-58	0.009596	85,582	821	85,172	2,040,775	23.8
58-59	0.010310	84,761	874	84,324	1,955,603	23.1
59-60	0.011019	83,887	924	83,425	1,871,279	22.3
60-61	0.011684	82,963	969	82,478	1,787,854	21.6
61-62	0.012351	81,993	1,013	81,487	1,705,376	20.8
62-63	0.013110	80,981	1,062	80,450	1,623,889	20.1
63-64	0.014020	79,919	1,120	79,359	1,543,440	19.3
64-65	0.015072	78,799	1,188	78,205	1,464,081	18.6
65-66	0.016236	77,611	1,260	76,981	1,385,876	17.9
66-67	0.017675	76,351	1,350	75,676	1,308,895	17.1
67-68	0.018908	75,001	1,418	74,292	1,233,219	16.4
68-69	0.019973	73,583	1,470	72,848	1,158,927	15.7
69-70	0.021020	72,114	1,516	71,356	1,086,078	15.1
70-71	0.022171	70,598	1,565	69,815	1,014,723	14.4
71-72	0.023622	69,032	1,631	68,217	944,908	13.7
72-73	0.025554	67,402	1,722	66,541	876,691	13.0
73-74	0.028091	65,679	1,845	64,757	810,150	12.3
74-75	0.031220	63,834	1,993	62,838	745,393	11.7
75-76	0.034789	61,841	2,151	60,766	682,555	11.0
76-77	0.038664	59,690	2,308	58,536	621,789	10.4
77-78	0.042933	57,382	2,464	56,150	563,253	9.8
78-79	0.047558	54,919	2,612	53,613	507,103	9.2
79-80	0.052631	52,307	2,753	50,930	453,490	8.7
80-81	0.058444	49,554	2,896	48,106	402,560	8.1
81-82	0.065272	46,658	3,045	45,135	354,454	7.6
82-83	0.072824	43,612	3,176	42,024	309,319	7.1
83-84	0.080863	40,436	3,270	38,801	267,295	6.6
84-85	0.089552	37,166	3,328	35,502	228,493	6.1
85-86	0.099636	33,838	3,371	32,152	192,991	5.7

Table MT-2. Life table for males: Montana, 2022

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
86-87	0.110910	30,467	3,379	28,777	160,839	5.3
87-88	0.130184	27,088	3,526	25,324	132,061	4.9
88-89	0.144110	23,561	3,395	21,864	106,737	4.5
89-90	0.159084	20,166	3,208	18,562	84,873	4.2
90-91	0.175092	16,958	2,969	15,473	66,312	3.9
91-92	0.192102	13,989	2,687	12,645	50,838	3.6
92-93	0.210058	11,301	2,374	10,114	38,193	3.4
93-94	0.228883	8,927	2,043	7,906	28,079	3.1
94-95	0.248477	6,884	1,711	6,029	20,173	2.9
95-96	0.268719	5,174	1,390	4,478	14,144	2.7
96-97	0.289468	3,783	1,095	3,236	9,666	2.6
97-98	0.310569	2,688	835	2,271	6,430	2.4
98-99	0.331855	1,853	615	1,546	4,160	2.2
99-100	0.353153	1,238	437	1,020	2,614	2.1
100 and older	1.000000	801	801	1,594	1,594	2.0

SOURCE: National Center for Health Statistics, National Vital Statistics System, mortality data file.

Table MT-3. Life table for females: Montana, 2022

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	0.004217	100,000	422	99,597	7,996,285	80.0
1-2	0.000370	99,578	37	99,560	7,896,688	79.3
2-3	0.000618	99,541	62	99,511	7,797,129	78.3
3-4	0.000852	99,480	85	99,438	7,697,618	77.4
4-5	0.000493	99,395	49	99,371	7,598,180	76.4
5-6	0.000155	99,346	15	99,338	7,498,810	75.5
6-7	0.000164	99,331	16	99,323	7,399,471	74.5
7-8	0.000168	99,314	17	99,306	7,300,149	73.5
8-9	0.000159	99,298	16	99,290	7,200,843	72.5
9-10	0.000139	99,282	14	99,275	7,101,553	71.5
10-11	0.000117	99,268	12	99,262	7,002,278	70.5
11-12	0.000111	99,257	11	99,251	6,903,015	69.5
12-13	0.000140	99,246	14	99,239	6,803,764	68.6
13-14	0.000215	99,232	21	99,221	6,704,526	67.6
14-15	0.000322	99,210	32	99,194	6,605,305	66.6
15-16	0.000454	99,178	45	99,156	6,506,111	65.6
16-17	0.000573	99,133	57	99,105	6,406,955	64.6
17-18	0.000643	99,076	64	99,045	6,307,850	63.7
18-19	0.000637	99,013	63	98,981	6,208,805	62.7
19-20	0.000584	98,950	58	98,921	6,109,824	61.7
20-21	0.000523	98,892	52	98,866	6,010,903	60.8
21-22	0.000488	98,840	48	98,816	5,912,037	59.8
22-23	0.000481	98,792	47	98,768	5,813,221	58.8
23-24	0.000512	98,745	51	98,719	5,714,453	57.9
24-25	0.000579	98,694	57	98,665	5,615,734	56.9
25-26	0.000653	98,637	64	98,605	5,517,068	55.9
26-27	0.000732	98,572	72	98,536	5,418,464	55.0
27-28	0.000842	98,500	83	98,459	5,319,927	54.0
28-29	0.000984	98,417	97	98,369	5,221,469	53.1
29-30	0.001140	98,320	112	98,264	5,123,100	52.1
30-31	0.001302	98,208	128	98,144	5,024,835	51.2
31-32	0.001452	98,080	142	98,009	4,926,691	50.2
32-33	0.001591	97,938	156	97,860	4,828,682	49.3
33-34	0.001670	97,782	163	97,701	4,730,822	48.4
34-35	0.001741	97,619	170	97,534	4,633,121	47.5
35-36	0.001807	97,449	176	97,361	4,535,587	46.5
36-37	0.001874	97,273	182	97,182	4,438,226	45.6
37-38	0.001935	97,091	188	96,997	4,341,045	44.7
38-39	0.001989	96,903	193	96,806	4,244,048	43.8
39-40	0.002037	96,710	197	96,611	4,147,242	42.9
40-41	0.002099	96,513	203	96,412	4,050,630	42.0
41-42	0.002163	96,310	208	96,206	3,954,218	41.1
42-43	0.002204	96,102	212	95,996	3,858,012	40.1

Table MT-3. Life table for females: Montana, 2022

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
43-44	0.002213	95,890	212	95,784	3,762,016	39.2
44-45	0.002211	95,678	212	95,572	3,666,232	38.3
45-46	0.002203	95,466	210	95,361	3,570,660	37.4
46-47	0.002245	95,256	214	95,149	3,475,299	36.5
47-48	0.002406	95,042	229	94,928	3,380,150	35.6
48-49	0.002724	94,814	258	94,684	3,285,222	34.6
49-50	0.003152	94,555	298	94,406	3,190,537	33.7
50-51	0.003626	94,257	342	94,086	3,096,131	32.8
51-52	0.004092	93,915	384	93,723	3,002,045	32.0
52-53	0.004535	93,531	424	93,319	2,908,321	31.1
53-54	0.004939	93,107	460	92,877	2,815,002	30.2
54-55	0.005319	92,647	493	92,401	2,722,126	29.4
55-56	0.005690	92,154	524	91,892	2,629,725	28.5
56-57	0.006078	91,630	557	91,351	2,537,833	27.7
57-58	0.006488	91,073	591	90,778	2,446,481	26.9
58-59	0.006913	90,482	625	90,169	2,355,704	26.0
59-60	0.007328	89,857	658	89,527	2,265,534	25.2
60-61	0.007750	89,198	691	88,853	2,176,007	24.4
61-62	0.008149	88,507	721	88,146	2,087,154	23.6
62-63	0.008483	87,786	745	87,413	1,999,008	22.8
63-64	0.008753	87,041	762	86,660	1,911,595	22.0
64-65	0.009009	86,279	777	85,890	1,824,935	21.2
65-66	0.009276	85,502	793	85,105	1,739,045	20.3
66-67	0.009712	84,709	823	84,297	1,653,939	19.5
67-68	0.010308	83,886	865	83,454	1,569,642	18.7
68-69	0.011159	83,021	926	82,558	1,486,188	17.9
69-70	0.012228	82,095	1,004	81,593	1,403,630	17.1
70-71	0.013428	81,091	1,089	80,546	1,322,038	16.3
71-72	0.014822	80,002	1,186	79,409	1,241,491	15.5
72-73	0.016592	78,816	1,308	78,162	1,162,082	14.7
73-74	0.018765	77,509	1,454	76,781	1,083,920	14.0
74-75	0.021305	76,054	1,620	75,244	1,007,138	13.2
75-76	0.024178	74,434	1,800	73,534	931,894	12.5
76-77	0.025051	72,634	1,820	71,724	858,360	11.8
77-78	0.028752	70,815	2,036	69,797	786,636	11.1
78-79	0.032973	68,779	2,268	67,645	716,839	10.4
79-80	0.037777	66,511	2,513	65,254	649,195	9.8
80-81	0.043232	63,998	2,767	62,615	583,940	9.1
81-82	0.049414	61,231	3,026	59,718	521,325	8.5
82-83	0.056400	58,206	3,283	56,564	461,607	7.9
83-84	0.064270	54,923	3,530	53,158	405,043	7.4
84-85	0.073107	51,393	3,757	49,514	351,885	6.8
85-86	0.082992	47,636	3,953	45,659	302,370	6.3

Table MT-3. Life table for females: Montana, 2022

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
86-87	0.094001	43,682	4,106	41,629	256,711	5.9
87-88	0.106206	39,576	4,203	37,475	215,082	5.4
88-89	0.119664	35,373	4,233	33,257	177,607	5.0
89-90	0.134418	31,140	4,186	29,047	144,351	4.6
90-91	0.150490	26,954	4,056	24,926	115,304	4.3
91-92	0.167879	22,898	3,844	20,976	90,377	3.9
92-93	0.186550	19,054	3,555	17,277	69,402	3.6
93-94	0.206439	15,499	3,200	13,900	52,125	3.4
94-95	0.227443	12,300	2,797	10,901	38,225	3.1
95-96	0.249426	9,502	2,370	8,317	27,324	2.9
96-97	0.272217	7,132	1,941	6,161	19,007	2.7
97-98	0.295616	5,191	1,534	4,423	12,846	2.5
98-99	0.319397	3,656	1,168	3,072	8,422	2.3
99-100	0.343321	2,488	854	2,061	5,350	2.2
100 and older	1.000000	1,634	1,634	3,289	3,289	2.0

SOURCE: National Center for Health Statistics, National Vital Statistics System, mortality data file.