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Table MT-2. Life table for males: Montana, 2021

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	0.004884	100,000	488	99,564	7,306,666	73.1
1-2	0.000877	99,512	87	99,468	7,207,102	72.4
2-3	0.000332	99,424	33	99,408	7,107,634	71.5
3-4	0.000478	99,391	48	99,367	7,008,227	70.5
4-5	0.000618	99,344	61	99,313	6,908,859	69.5
5-6	0.000167	99,282	17	99,274	6,809,546	68.6
6-7	0.000171	99,266	17	99,257	6,710,272	67.6
7-8	0.000183	99,249	18	99,240	6,611,015	66.6
8-9	0.000183	99,231	18	99,221	6,511,775	65.6
9-10	0.000174	99,212	17	99,204	6,412,554	64.6
10-11	0.000174	99,195	17	99,187	6,313,350	63.6
11-12	0.000218	99,178	22	99,167	6,214,164	62.7
12-13	0.000349	99,156	35	99,139	6,114,997	61.7
13-14	0.000590	99,122	58	99,092	6,015,858	60.7
14-15	0.000910	99,063	90	99,018	5,916,765	59.7
15-16	0.001286	98,973	127	98,909	5,817,747	58.8
16-17	0.001637	98,846	162	98,765	5,718,838	57.9
17-18	0.001878	98,684	185	98,591	5,620,073	57.0
18-19	0.001948	98,499	192	98,403	5,521,481	56.1
19-20	0.001896	98,307	186	98,214	5,423,079	55.2
20-21	0.001815	98,120	178	98,031	5,324,865	54.3
21-22	0.001774	97,942	174	97,855	5,226,834	53.4
22-23	0.001774	97,768	173	97,682	5,128,979	52.5
23-24	0.001838	97,595	179	97,505	5,031,297	51.6
24-25	0.001954	97,416	190	97,320	4,933,792	50.6
25-26	0.002079	97,225	202	97,124	4,836,471	49.7
26-27	0.002193	97,023	213	96,917	4,739,347	48.8
27-28	0.002325	96,810	225	96,698	4,642,430	48.0
28-29	0.002471	96,585	239	96,466	4,545,732	47.1
29-30	0.002625	96,347	253	96,220	4,449,267	46.2
30-31	0.002792	96,094	268	95,960	4,353,046	45.3
31-32	0.002956	95,825	283	95,684	4,257,087	44.4
32-33	0.003111	95,542	297	95,394	4,161,403	43.6
33-34	0.003187	95,245	304	95,093	4,066,009	42.7
34-35	0.003251	94,941	309	94,787	3,970,916	41.8
35-36	0.003321	94,633	314	94,476	3,876,129	41.0
36-37	0.003404	94,319	321	94,158	3,781,654	40.1
37-38	0.003480	93,997	327	93,834	3,687,496	39.2
38-39	0.003550	93,670	333	93,504	3,593,662	38.4
39-40	0.003627	93,338	338	93,169	3,500,158	37.5
40-41	0.003690	92,999	343	92,828	3,406,989	36.6
41-42	0.003787	92,656	351	92,481	3,314,161	35.8
42-43	0.004000	92,305	369	92,121	3,221,681	34.9
43-44	0.004379	91,936	403	91,735	3,129,560	34.0
44-45	0.004902	91,533	449	91,309	3,037,825	33.2

Table MT-2. Life table for males: Montana, 2021

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
45-46	0.005564	91,085	507	90,831	2,946,516	32.3
46-47	0.006242	90,578	565	90,295	2,855,685	31.5
47-48	0.006774	90,013	610	89,708	2,765,389	30.7
48-49	0.007029	89,403	628	89,089	2,675,682	29.9
49-50	0.007087	88,774	629	88,460	2,586,593	29.1
50-51	0.007120	88,145	628	87,831	2,498,133	28.3
51-52	0.007279	87,518	637	87,199	2,410,302	27.5
52-53	0.007583	86,881	659	86,551	2,323,102	26.7
53-54	0.008088	86,222	697	85,873	2,236,551	25.9
54-55	0.008752	85,524	749	85,150	2,150,678	25.1
55-56	0.009398	84,776	797	84,378	2,065,528	24.4
56-57	0.010052	83,979	844	83,557	1,981,150	23.6
57-58	0.010899	83,135	906	82,682	1,897,593	22.8
58-59	0.011961	82,229	984	81,737	1,814,911	22.1
59-60	0.013128	81,246	1,067	80,712	1,733,174	21.3
60-61	0.014357	80,179	1,151	79,603	1,652,462	20.6
61-62	0.015480	79,028	1,223	78,416	1,572,858	19.9
62-63	0.016354	77,804	1,272	77,168	1,494,442	19.2
63-64	0.016924	76,532	1,295	75,884	1,417,274	18.5
64-65	0.017315	75,237	1,303	74,585	1,341,390	17.8
65-66	0.017672	73,934	1,307	73,281	1,266,804	17.1
66-67	0.018407	72,628	1,337	71,959	1,193,523	16.4
67-68	0.019307	71,291	1,376	70,603	1,121,564	15.7
68-69	0.020520	69,914	1,435	69,197	1,050,962	15.0
69-70	0.022002	68,480	1,507	67,726	981,765	14.3
70-71	0.023622	66,973	1,582	66,182	914,038	13.6
71-72	0.025536	65,391	1,670	64,556	847,856	13.0
72-73	0.027970	63,721	1,782	62,830	783,300	12.3
73-74	0.031064	61,939	1,924	60,977	720,470	11.6
74-75	0.034817	60,015	2,090	58,970	659,494	11.0
75-76	0.039283	57,925	2,275	56,787	600,524	10.4
76-77	0.044285	55,650	2,464	54,417	543,736	9.8
77-78	0.049523	53,185	2,634	51,868	489,319	9.2
78-79	0.054735	50,551	2,767	49,168	437,451	8.7
79-80	0.060079	47,784	2,871	46,349	388,283	8.1
80-81	0.066035	44,914	2,966	43,431	341,934	7.6
81-82	0.072715	41,948	3,050	40,423	298,503	7.1
82-83	0.080117	38,897	3,116	37,339	258,081	6.6
83-84	0.088991	35,781	3,184	34,189	220,741	6.2
84-85	0.099860	32,597	3,255	30,969	186,552	5.7
85-86	0.112226	29,342	3,293	27,695	155,583	5.3
86-87	0.126506	26,049	3,295	24,401	127,888	4.9
87-88	0.140932	22,754	3,207	21,150	103,486	4.5
88-89	0.156526	19,547	3,060	18,017	82,336	4.2
89-90	0.173277	16,487	2,857	15,059	64,319	3.9

Table MT-2. Life table for males: Montana, 2021

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
90-91	0.191149	13,630	2,605	12,328	49,260	3.6
91-92	0.210079	11,025	2,316	9,867	36,933	3.3
92-93	0.229977	8,709	2,003	7,707	27,066	3.1
93-94	0.250725	6,706	1,681	5,865	19,358	2.9
94-95	0.272179	5,025	1,368	4,341	13,493	2.7
95-96	0.294169	3,657	1,076	3,119	9,152	2.5
96-97	0.316511	2,581	817	2,173	6,033	2.3
97-98	0.339006	1,764	598	1,465	3,860	2.2
98-99	0.361449	1,166	422	955	2,395	2.1
99-100	0.383638	745	286	602	1,440	1.9
100 and older	1.000000	459	459	838	838	1.8

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

Table MT-3. Life table for females: Montana, 2021

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	0.004980	100,000	498	99,613	7,884,519	78.8
1-2	0.000908	99,502	90	99,457	7,784,907	78.2
2-3	0.000607	99,412	60	99,382	7,685,450	77.3
3-4	0.000335	99,351	33	99,335	7,586,068	76.4
4-5	0.000208	99,318	21	99,308	7,486,734	75.4
5-6	0.000087	99,297	9	99,293	7,387,426	74.4
6-7	0.000100	99,289	10	99,284	7,288,133	73.4
7-8	0.000107	99,279	11	99,274	7,188,849	72.4
8-9	0.000098	99,268	10	99,263	7,089,576	71.4
9-10	0.000077	99,258	8	99,255	6,990,312	70.4
10-11	0.000054	99,251	5	99,248	6,891,058	69.4
11-12	0.000052	99,245	5	99,243	6,791,809	68.4
12-13	0.000096	99,240	10	99,236	6,692,567	67.4
13-14	0.000199	99,231	20	99,221	6,593,331	66.4
14-15	0.000345	99,211	34	99,194	6,494,110	65.5
15-16	0.000522	99,177	52	99,151	6,394,916	64.5
16-17	0.000684	99,125	68	99,091	6,295,765	63.5
17-18	0.000785	99,057	78	99,018	6,196,674	62.6
18-19	0.000795	98,979	79	98,940	6,097,656	61.6
19-20	0.000741	98,901	73	98,864	5,998,716	60.7
20-21	0.000667	98,827	66	98,794	5,899,852	59.7
21-22	0.000619	98,762	61	98,731	5,801,058	58.7
22-23	0.000612	98,700	60	98,670	5,702,327	57.8
23-24	0.000663	98,640	65	98,607	5,603,657	56.8
24-25	0.000757	98,574	75	98,537	5,505,049	55.8
25-26	0.000876	98,500	86	98,457	5,406,512	54.9
26-27	0.000982	98,414	97	98,365	5,308,055	53.9
27-28	0.001056	98,317	104	98,265	5,209,690	53.0
28-29	0.001077	98,213	106	98,160	5,111,425	52.0
29-30	0.001068	98,107	105	98,055	5,013,265	51.1
30-31	0.001035	98,003	101	97,952	4,915,210	50.2
31-32	0.001032	97,901	101	97,851	4,817,258	49.2
32-33	0.001120	97,800	109	97,745	4,719,408	48.3
33-34	0.001330	97,691	130	97,626	4,621,662	47.3
34-35	0.001621	97,561	158	97,482	4,524,037	46.4
35-36	0.001957	97,403	191	97,307	4,426,555	45.4
36-37	0.002252	97,212	219	97,103	4,329,248	44.5
37-38	0.002440	96,993	237	96,875	4,232,145	43.6
38-39	0.002475	96,756	239	96,637	4,135,270	42.7
39-40	0.002401	96,517	232	96,401	4,038,634	41.8
40-41	0.002291	96,285	221	96,175	3,942,233	40.9
41-42	0.002229	96,064	214	95,957	3,846,058	40.0
42-43	0.002243	95,850	215	95,743	3,750,101	39.1
43-44	0.002379	95,635	227	95,522	3,654,358	38.2
44-45	0.002620	95,408	250	95,283	3,558,836	37.3

Table MT-3. Life table for females: Montana, 2021

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
45-46	0.002931	95,158	279	95,018	3,463,553	36.4
46-47	0.003251	94,879	308	94,725	3,368,535	35.5
47-48	0.003538	94,571	335	94,403	3,273,810	34.6
48-49	0.003743	94,236	353	94,060	3,179,406	33.7
49-50	0.003892	93,883	365	93,701	3,085,347	32.9
50-51	0.004051	93,518	379	93,329	2,991,646	32.0
51-52	0.004277	93,139	398	92,940	2,898,318	31.1
52-53	0.004573	92,741	424	92,529	2,805,378	30.2
53-54	0.004954	92,317	457	92,088	2,712,849	29.4
54-55	0.005400	91,859	496	91,611	2,620,761	28.5
55-56	0.005833	91,363	533	91,097	2,529,150	27.7
56-57	0.006274	90,830	570	90,545	2,438,053	26.8
57-58	0.006803	90,261	614	89,954	2,347,508	26.0
58-59	0.007431	89,647	666	89,313	2,257,554	25.2
59-60	0.008110	88,980	722	88,620	2,168,241	24.4
60-61	0.008818	88,259	778	87,870	2,079,621	23.6
61-62	0.009486	87,480	830	87,066	1,991,752	22.8
62-63	0.010059	86,651	872	86,215	1,904,686	22.0
63-64	0.010526	85,779	903	85,328	1,818,471	21.2
64-65	0.010951	84,876	929	84,411	1,733,144	20.4
65-66	0.011348	83,947	953	83,470	1,648,732	19.6
66-67	0.011946	82,994	991	82,498	1,565,262	18.9
67-68	0.012738	82,002	1,045	81,480	1,482,764	18.1
68-69	0.013847	80,958	1,121	80,397	1,401,284	17.3
69-70	0.015240	79,837	1,217	79,229	1,320,886	16.5
70-71	0.016865	78,620	1,326	77,957	1,241,658	15.8
71-72	0.018576	77,294	1,436	76,576	1,163,701	15.1
72-73	0.020273	75,858	1,538	75,090	1,087,124	14.3
73-74	0.021975	74,321	1,633	73,504	1,012,035	13.6
74-75	0.023866	72,687	1,735	71,820	938,531	12.9
75-76	0.026003	70,953	1,845	70,030	866,711	12.2
76-77	0.028717	69,108	1,985	68,115	796,681	11.5
77-78	0.032383	67,123	2,174	66,036	728,565	10.9
78-79	0.037154	64,949	2,413	63,743	662,529	10.2
79-80	0.042664	62,536	2,668	61,202	598,786	9.6
80-81	0.048793	59,868	2,921	58,408	537,584	9.0
81-82	0.054897	56,947	3,126	55,384	479,176	8.4
82-83	0.061690	53,821	3,320	52,161	423,792	7.9
83-84	0.069228	50,501	3,496	48,753	371,632	7.4
84-85	0.077568	47,005	3,646	45,182	322,879	6.9
85-86	0.086768	43,359	3,762	41,477	277,697	6.4
86-87	0.096880	39,596	3,836	37,678	236,220	6.0
87-88	0.107950	35,760	3,860	33,830	198,542	5.6
88-89	0.120019	31,900	3,829	29,986	164,711	5.2
89-90	0.133116	28,071	3,737	26,203	134,726	4.8

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	q_x	l_x	d_x	L_x	T_x	e_x
90-91	0.147256	24,335	3,583	22,543	108,523	4.5
91-92	0.162442	20,751	3,371	19,066	85,980	4.1
92-93	0.178655	17,380	3,105	15,828	66,914	3.8
93-94	0.195858	14,275	2,796	12,877	51,086	3.6
94-95	0.213991	11,479	2,456	10,251	38,209	3.3
95-96	0.232972	9,023	2,102	7,972	27,958	3.1
96-97	0.252697	6,921	1,749	6,046	19,986	2.9
97-98	0.273040	5,172	1,412	4,466	13,940	2.7
98-99	0.293858	3,760	1,105	3,207	9,474	2.5
99-100	0.314994	2,655	836	2,237	6,266	2.4
100 and older	1.000000	1,819	1,819	4,030	4,030	2.2

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