

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics (2022):
U.S. State Life Tables, 2020. National Vital Statistics Report Volume 71, Number 2. 18pp. Downloaded
from: www.cdc.gov (09.11.2022).

Table MT-2. Life table for males: Montana, 2020

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
0-1	0.005574	100,000	557	99,532	7,424,495	74.2
1-2	0.000168	99,443	17	99,434	7,324,962	73.7
2-3	0.000242	99,426	24	99,414	7,225,528	72.7
3-4	0.000313	99,402	31	99,386	7,126,114	71.7
4-5	0.000614	99,371	61	99,340	7,026,728	70.7
5-6	0.000243	99,310	24	99,298	6,927,388	69.8
6-7	0.000219	99,286	22	99,275	6,828,090	68.8
7-8	0.000189	99,264	19	99,254	6,728,815	67.8
8-9	0.000148	99,245	15	99,238	6,629,561	66.8
9-10	0.000100	99,230	10	99,225	6,530,323	65.8
10-11	0.000059	99,220	6	99,217	6,431,098	64.8
11-12	0.000046	99,214	5	99,212	6,331,881	63.8
12-13	0.000085	99,210	8	99,206	6,232,668	62.8
13-14	0.000193	99,201	19	99,192	6,133,463	61.8
14-15	0.000357	99,182	35	99,165	6,034,271	60.8
15-16	0.000534	99,147	53	99,120	5,935,107	59.9
16-17	0.000718	99,094	71	99,058	5,835,986	58.9
17-18	0.000934	99,023	92	98,977	5,736,928	57.9
18-19	0.001170	98,930	116	98,872	5,637,951	57.0
19-20	0.001398	98,815	138	98,746	5,539,079	56.1
20-21	0.001629	98,676	161	98,596	5,440,333	55.1
21-22	0.001827	98,516	180	98,426	5,341,737	54.2
22-23	0.001942	98,336	191	98,240	5,243,312	53.3
23-24	0.001958	98,145	192	98,049	5,145,071	52.4
24-25	0.001908	97,953	187	97,859	5,047,023	51.5
25-26	0.001826	97,766	179	97,676	4,949,163	50.6
26-27	0.001767	97,587	172	97,501	4,851,487	49.7
27-28	0.001764	97,415	172	97,329	4,753,986	48.8
28-29	0.001850	97,243	180	97,153	4,656,657	47.9
29-30	0.002002	97,063	194	96,966	4,559,504	47.0
30-31	0.002179	96,869	211	96,763	4,462,538	46.1
31-32	0.002341	96,658	226	96,545	4,365,775	45.2
32-33	0.002492	96,431	240	96,311	4,269,230	44.3
33-34	0.002586	96,191	249	96,067	4,172,919	43.4

Table MT-2. Life table for males: Montana, 2020

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
34-35	0.002656	95,942	255	95,815	4,076,852	42.5
35-36	0.002731	95,688	261	95,557	3,981,037	41.6
36-37	0.002821	95,426	269	95,292	3,885,480	40.7
37-38	0.002904	95,157	276	95,019	3,790,189	39.8
38-39	0.002983	94,881	283	94,739	3,695,170	38.9
39-40	0.003068	94,598	290	94,453	3,600,430	38.1
40-41	0.003156	94,308	298	94,159	3,505,978	37.2
41-42	0.003272	94,010	308	93,856	3,411,819	36.3
42-43	0.003454	93,702	324	93,541	3,317,963	35.4
43-44	0.003727	93,379	348	93,205	3,224,422	34.5
44-45	0.004080	93,031	380	92,841	3,131,218	33.7
45-46	0.004510	92,651	418	92,442	3,038,377	32.8
46-47	0.004966	92,233	458	92,004	2,945,935	31.9
47-48	0.005383	91,775	494	91,528	2,853,931	31.1
48-49	0.005718	91,281	522	91,020	2,762,402	30.3
49-50	0.006002	90,759	545	90,487	2,671,382	29.4
50-51	0.006300	90,214	568	89,930	2,580,895	28.6
51-52	0.006676	89,646	598	89,347	2,490,965	27.8
52-53	0.007136	89,048	635	88,730	2,401,618	27.0
53-54	0.007682	88,412	679	88,073	2,312,888	26.2
54-55	0.008278	87,733	726	87,370	2,224,816	25.4
55-56	0.008856	87,007	771	86,621	2,137,446	24.6
56-57	0.009432	86,236	813	85,830	2,050,824	23.8
57-58	0.010078	85,423	861	84,992	1,964,995	23.0
58-59	0.010823	84,562	915	84,104	1,880,002	22.2
59-60	0.011646	83,647	974	83,160	1,795,898	21.5
60-61	0.012506	82,673	1,034	82,156	1,712,738	20.7
61-62	0.013364	81,639	1,091	81,093	1,630,583	20.0
62-63	0.014234	80,548	1,146	79,974	1,549,489	19.2
63-64	0.015119	79,401	1,200	78,801	1,469,515	18.5
64-65	0.016044	78,201	1,255	77,573	1,390,714	17.8
65-66	0.017028	76,946	1,310	76,291	1,313,141	17.1
66-67	0.018256	75,636	1,381	74,946	1,236,850	16.4
67-68	0.019502	74,255	1,448	73,531	1,161,904	15.6

Table MT-2. Life table for males: Montana, 2020

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
68-69	0.020848	72,807	1,518	72,048	1,088,373	14.9
69-70	0.022354	71,289	1,594	70,492	1,016,325	14.3
70-71	0.024039	69,696	1,675	68,858	945,833	13.6
71-72	0.026008	68,020	1,769	67,136	876,975	12.9
72-73	0.028407	66,251	1,882	65,310	809,839	12.2
73-74	0.031347	64,369	2,018	63,360	744,529	11.6
74-75	0.034939	62,351	2,179	61,262	681,169	10.9
75-76	0.039275	60,173	2,363	58,991	619,907	10.3
76-77	0.044135	57,809	2,551	56,534	560,916	9.7
77-78	0.049266	55,258	2,722	53,897	504,382	9.1
78-79	0.054441	52,536	2,860	51,106	450,485	8.6
79-80	0.059852	49,676	2,973	48,189	399,380	8.0
80-81	0.065866	46,702	3,076	45,164	351,191	7.5
81-82	0.072822	43,626	3,177	42,038	306,026	7.0
82-83	0.080968	40,449	3,275	38,812	263,988	6.5
83-84	0.090552	37,174	3,366	35,491	225,177	6.1
84-85	0.102802	33,808	3,476	32,070	189,685	5.6
85-86	0.115413	30,333	3,501	28,582	157,615	5.2
86-87	0.129216	26,832	3,467	25,098	129,033	4.8
87-88	0.144238	23,365	3,370	21,680	103,935	4.4
88-89	0.160485	19,995	3,209	18,390	82,255	4.1
89-90	0.177939	16,786	2,987	15,292	63,865	3.8
90-91	0.196554	13,799	2,712	12,443	48,572	3.5
91-92	0.216255	11,087	2,398	9,888	36,130	3.3
92-93	0.236935	8,689	2,059	7,660	26,242	3.0
93-94	0.258458	6,630	1,714	5,774	18,582	2.8
94-95	0.280659	4,917	1,380	4,227	12,808	2.6
95-96	0.303350	3,537	1,073	3,000	8,582	2.4
96-97	0.326325	2,464	804	2,062	5,581	2.3
97-98	0.349366	1,660	580	1,370	3,519	2.1
98-99	0.372255	1,080	402	879	2,150	2.0
99-100	0.394778	678	268	544	1,271	1.9
100 and over	1.000000	410	410	726	726	1.8

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

Table MT-3. Life table for females: Montana, 2020

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
0-1	0.004915	100,000	491	99,622	7,957,728	79.6
1-2	0.000525	99,509	52	99,482	7,858,106	79.0
2-3	0.000508	99,456	51	99,431	7,758,624	78.0
3-4	0.000331	99,406	33	99,389	7,659,193	77.0
4-5	0.000250	99,373	25	99,360	7,559,803	76.1
5-6	0.000171	99,348	17	99,340	7,460,443	75.1
6-7	0.000155	99,331	15	99,323	7,361,103	74.1
7-8	0.000151	99,316	15	99,308	7,261,780	73.1
8-9	0.000155	99,301	15	99,293	7,162,472	72.1
9-10	0.000164	99,285	16	99,277	7,063,179	71.1
10-11	0.000182	99,269	18	99,260	6,963,902	70.2
11-12	0.000212	99,251	21	99,240	6,864,642	69.2
12-13	0.000260	99,230	26	99,217	6,765,402	68.2
13-14	0.000332	99,204	33	99,188	6,666,185	67.2
14-15	0.000419	99,171	42	99,150	6,566,997	66.2
15-16	0.000522	99,130	52	99,104	6,467,847	65.2
16-17	0.000621	99,078	62	99,047	6,368,743	64.3
17-18	0.000686	99,016	68	98,982	6,269,696	63.3
18-19	0.000699	98,948	69	98,914	6,170,713	62.4
19-20	0.000675	98,879	67	98,846	6,071,800	61.4
20-21	0.000650	98,812	64	98,780	5,972,954	60.4
21-22	0.000639	98,748	63	98,717	5,874,173	59.5
22-23	0.000635	98,685	63	98,654	5,775,457	58.5
23-24	0.000642	98,623	63	98,591	5,676,803	57.6
24-25	0.000663	98,559	65	98,527	5,578,212	56.6
25-26	0.000674	98,494	66	98,461	5,479,685	55.6
26-27	0.000695	98,427	68	98,393	5,381,225	54.7
27-28	0.000773	98,359	76	98,321	5,282,831	53.7
28-29	0.000926	98,283	91	98,238	5,184,510	52.8
29-30	0.001133	98,192	111	98,136	5,086,273	51.8
30-31	0.001371	98,081	134	98,014	4,988,136	50.9
31-32	0.001588	97,946	156	97,869	4,890,123	49.9
32-33	0.001730	97,791	169	97,706	4,792,254	49.0
33-34	0.001772	97,622	173	97,535	4,694,548	48.1

Table MT-3. Life table for females: Montana, 2020

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
34-35	0.001732	97,449	169	97,364	4,597,013	47.2
35-36	0.001675	97,280	163	97,198	4,499,649	46.3
36-37	0.001640	97,117	159	97,037	4,402,450	45.3
37-38	0.001620	96,958	157	96,879	4,305,413	44.4
38-39	0.001626	96,801	157	96,722	4,208,534	43.5
39-40	0.001658	96,643	160	96,563	4,111,812	42.5
40-41	0.001705	96,483	165	96,401	4,015,249	41.6
41-42	0.001762	96,318	170	96,233	3,918,849	40.7
42-43	0.001833	96,149	176	96,061	3,822,615	39.8
43-44	0.001921	95,972	184	95,880	3,726,555	38.8
44-45	0.002035	95,788	195	95,691	3,630,674	37.9
45-46	0.002169	95,593	207	95,489	3,534,984	37.0
46-47	0.002348	95,386	224	95,274	3,439,495	36.1
47-48	0.002609	95,162	248	95,038	3,344,221	35.1
48-49	0.002969	94,914	282	94,773	3,249,183	34.2
49-50	0.003403	94,632	322	94,471	3,154,410	33.3
50-51	0.003882	94,310	366	94,127	3,059,940	32.4
51-52	0.004363	93,944	410	93,739	2,965,813	31.6
52-53	0.004799	93,534	449	93,309	2,872,074	30.7
53-54	0.005149	93,085	479	92,845	2,778,765	29.9
54-55	0.005428	92,606	503	92,354	2,685,920	29.0
55-56	0.005683	92,103	523	91,841	2,593,566	28.2
56-57	0.005953	91,579	545	91,307	2,501,725	27.3
57-58	0.006244	91,034	568	90,750	2,410,418	26.5
58-59	0.006575	90,466	595	90,168	2,319,668	25.6
59-60	0.006943	89,871	624	89,559	2,229,500	24.8
60-61	0.007330	89,247	654	88,920	2,139,941	24.0
61-62	0.007730	88,593	685	88,250	2,051,021	23.2
62-63	0.008161	87,908	717	87,549	1,962,770	22.3
63-64	0.008638	87,191	753	86,814	1,875,221	21.5
64-65	0.009178	86,437	793	86,041	1,788,407	20.7
65-66	0.009748	85,644	835	85,227	1,702,366	19.9
66-67	0.010530	84,809	893	84,363	1,617,139	19.1
67-68	0.011376	83,916	955	83,439	1,532,777	18.3

Table MT-3. Life table for females: Montana, 2020

	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
Age (years)	q_x	l_x	d_x	L_x	T_x	e_x
68-69	0.012410	82,962	1,030	82,447	1,449,338	17.5
69-70	0.013674	81,932	1,120	81,372	1,366,891	16.7
70-71	0.015223	80,812	1,230	80,197	1,285,519	15.9
71-72	0.017011	79,581	1,354	78,905	1,205,323	15.1
72-73	0.018938	78,228	1,482	77,487	1,126,418	14.4
73-74	0.020914	76,746	1,605	75,944	1,048,931	13.7
74-75	0.023037	75,141	1,731	74,276	972,987	12.9
75-76	0.025390	73,410	1,864	72,478	898,712	12.2
76-77	0.028149	71,546	2,014	70,539	826,234	11.5
77-78	0.031519	69,532	2,192	68,437	755,694	10.9
78-79	0.035608	67,341	2,398	66,142	687,258	10.2
79-80	0.040311	64,943	2,618	63,634	621,116	9.6
80-81	0.045616	62,325	2,843	60,903	557,482	8.9
81-82	0.051646	59,482	3,072	57,946	496,579	8.3
82-83	0.057973	56,410	3,270	54,775	438,633	7.8
83-84	0.066144	53,140	3,515	51,382	383,858	7.2
84-85	0.075324	49,625	3,738	47,756	332,476	6.7
85-86	0.085596	45,887	3,928	43,923	284,720	6.2
86-87	0.097040	41,959	4,072	39,923	240,797	5.7
87-88	0.109724	37,887	4,157	35,809	200,874	5.3
88-89	0.123706	33,730	4,173	31,644	165,065	4.9
89-90	0.139026	29,558	4,109	27,503	133,421	4.5
90-91	0.155698	25,448	3,962	23,467	105,918	4.2
91-92	0.173712	21,486	3,732	19,620	82,451	3.8
92-93	0.193023	17,754	3,427	16,040	62,831	3.5
93-94	0.213550	14,327	3,059	12,797	46,791	3.3
94-95	0.235176	11,267	2,650	9,942	33,993	3.0
95-96	0.257747	8,618	2,221	7,507	24,051	2.8
96-97	0.281073	6,396	1,798	5,497	16,544	2.6
97-98	0.304935	4,599	1,402	3,897	11,047	2.4
98-99	0.329095	3,196	1,052	2,670	7,149	2.2
99-100	0.353299	2,144	758	1,766	4,479	2.1
100 and over	1.000000	1,387	1,387	2,713	2,713	2.0

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