

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics (2021):
U.S. State Life Tables, 2018. National Vital Statistics Report Volume 70, Number 1. 18pp.
Downloaded from: www.cdc.gov (02.11.2021).

Table MT-2. Life table for males: Montana, 2018

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	0.004566	100,000	457	99,577	7,654,893	76.5
1-2	0.000473	99,543	47	99,520	7,555,316	75.9
2-3	0.000155	99,496	15	99,489	7,455,796	74.9
3-4	0.000154	99,481	15	99,473	7,356,307	73.9
4-5	0.000094	99,466	9	99,461	7,256,834	73.0
5-6	0.000035	99,456	4	99,454	7,157,373	72.0
6-7	0.000036	99,453	4	99,451	7,057,919	71.0
7-8	0.000050	99,449	5	99,447	6,958,468	70.0
8-9	0.000075	99,444	7	99,440	6,859,021	69.0
9-10	0.000108	99,437	11	99,431	6,759,581	68.0
10-11	0.000153	99,426	15	99,418	6,660,149	67.0
11-12	0.000215	99,411	21	99,400	6,560,731	66.0
12-13	0.000301	99,389	30	99,374	6,461,331	65.0
13-14	0.000416	99,359	41	99,339	6,361,957	64.0
14-15	0.000556	99,318	55	99,290	6,262,618	63.1
15-16	0.000712	99,263	71	99,228	6,163,328	62.1
16-17	0.000871	99,192	86	99,149	6,064,100	61.1
17-18	0.001017	99,106	101	99,055	5,964,951	60.2
18-19	0.001129	99,005	112	98,949	5,865,896	59.2
19-20	0.001213	98,893	120	98,833	5,766,947	58.3
20-21	0.001277	98,773	126	98,710	5,668,114	57.4
21-22	0.001341	98,647	132	98,581	5,569,404	56.5
22-23	0.001416	98,515	140	98,445	5,470,823	55.5
23-24	0.001515	98,375	149	98,301	5,372,378	54.6
24-25	0.001630	98,226	160	98,146	5,274,077	53.7
25-26	0.001762	98,066	173	97,980	5,175,931	52.8
26-27	0.001879	97,893	184	97,801	5,077,951	51.9
27-28	0.001940	97,709	190	97,615	4,980,150	51.0
28-29	0.001922	97,520	187	97,426	4,882,535	50.1
29-30	0.001847	97,332	180	97,242	4,785,109	49.2
30-31	0.001735	97,153	169	97,068	4,687,866	48.3
31-32	0.001645	96,984	160	96,904	4,590,798	47.3
32-33	0.001644	96,824	159	96,745	4,493,894	46.4
33-34	0.001742	96,665	168	96,581	4,397,149	45.5
34-35	0.001926	96,497	186	96,404	4,300,568	44.6
35-36	0.002149	96,311	207	96,208	4,204,164	43.7
36-37	0.002334	96,104	224	95,992	4,107,956	42.7
37-38	0.002434	95,880	233	95,763	4,011,964	41.8
38-39	0.002416	95,646	231	95,531	3,916,201	40.9
39-40	0.002317	95,415	221	95,305	3,820,670	40.0
40-41	0.002182	95,194	208	95,090	3,725,366	39.1
41-42	0.002100	94,986	199	94,887	3,630,275	38.2
42-43	0.002137	94,787	203	94,686	3,535,388	37.3
43-44	0.002353	94,584	223	94,473	3,440,703	36.4

Table MT-2. Life table for males: Montana, 2018

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
44-45	0.002702	94,362	255	94,234	3,346,230	35.5
45-46	0.003128	94,107	294	93,960	3,251,995	34.6
46-47	0.003544	93,813	333	93,646	3,158,036	33.7
47-48	0.003898	93,480	364	93,298	3,064,389	32.8
48-49	0.004154	93,116	387	92,922	2,971,092	31.9
49-50	0.004365	92,729	405	92,526	2,878,169	31.0
50-51	0.004579	92,324	423	92,113	2,785,643	30.2
51-52	0.004891	91,901	449	91,677	2,693,530	29.3
52-53	0.005359	91,452	490	91,207	2,601,853	28.5
53-54	0.005998	90,962	546	90,689	2,510,647	27.6
54-55	0.006725	90,416	608	90,112	2,419,958	26.8
55-56	0.007426	89,808	667	89,475	2,329,846	25.9
56-57	0.008085	89,141	721	88,781	2,240,371	25.1
57-58	0.008770	88,420	775	88,033	2,151,590	24.3
58-59	0.009509	87,645	833	87,228	2,063,557	23.5
59-60	0.010306	86,812	895	86,364	1,976,329	22.8
60-61	0.011137	85,917	957	85,439	1,889,965	22.0
61-62	0.011969	84,960	1,017	84,452	1,804,526	21.2
62-63	0.012797	83,943	1,074	83,406	1,720,074	20.5
63-64	0.013605	82,869	1,127	82,305	1,636,668	19.8
64-65	0.014403	81,742	1,177	81,153	1,554,363	19.0
65-66	0.015251	80,564	1,229	79,950	1,473,210	18.3
66-67	0.016262	79,336	1,290	78,691	1,393,260	17.6
67-68	0.017224	78,046	1,344	77,373	1,314,569	16.8
68-69	0.018190	76,701	1,395	76,004	1,237,196	16.1
69-70	0.019245	75,306	1,449	74,581	1,161,192	15.4
70-71	0.020425	73,857	1,509	73,103	1,086,611	14.7
71-72	0.021868	72,348	1,582	71,557	1,013,508	14.0
72-73	0.023732	70,766	1,679	69,926	941,951	13.3
73-74	0.026097	69,087	1,803	68,185	872,025	12.6
74-75	0.028933	67,284	1,947	66,310	803,839	11.9
75-76	0.032295	65,337	2,110	64,282	737,529	11.3
76-77	0.036129	63,227	2,284	62,085	673,247	10.6
77-78	0.040201	60,943	2,450	59,718	611,162	10.0
78-79	0.044466	58,493	2,601	57,192	551,444	9.4
79-80	0.049381	55,892	2,760	54,512	494,252	8.8
80-81	0.055060	53,132	2,925	51,669	439,740	8.3
81-82	0.061490	50,206	3,087	48,663	388,071	7.7
82-83	0.068519	47,119	3,229	45,505	339,409	7.2
83-84	0.076574	43,891	3,361	42,210	293,904	6.7
84-85	0.086731	40,530	3,515	38,772	251,694	6.2
85-86	0.099564	37,015	3,685	35,172	212,922	5.8
86-87	0.112993	33,329	3,766	31,446	177,750	5.3
87-88	0.125831	29,563	3,720	27,703	146,303	4.9

Table MT-2. Life table for males: Montana, 2018

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
88-89	0.137906	25,843	3,564	24,061	118,600	4.6
89-90	0.151035	22,279	3,365	20,597	94,539	4.2
90-91	0.164827	18,914	3,118	17,356	73,942	3.9
91-92	0.180868	15,797	2,857	14,368	56,587	3.6
92-93	0.202410	12,940	2,619	11,630	42,218	3.3
93-94	0.228103	10,321	2,354	9,143	30,588	3.0
94-95	0.255916	7,966	2,039	6,947	21,445	2.7
95-96	0.285171	5,928	1,690	5,082	14,498	2.4
96-97	0.318869	4,237	1,351	3,562	9,415	2.2
97-98	0.352867	2,886	1,018	2,377	5,854	2.0
98-99	0.386461	1,868	722	1,507	3,477	1.9
99-100	0.418983	1,146	480	906	1,970	1.7
100 and over	1.000000	666	666	1,064	1,064	1.6

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

Table MT-3. Life table for females: Montana, 2018

	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
0-1	0.004973	100,000	497	99,574	8,106,658	81.1
1-2	0.000328	99,503	33	99,486	8,007,084	80.5
2-3	0.000324	99,470	32	99,454	7,907,597	79.5
3-4	0.000323	99,438	32	99,422	7,808,143	78.5
4-5	0.000324	99,406	32	99,390	7,708,722	77.5
5-6	0.000158	99,373	16	99,366	7,609,332	76.6
6-7	0.000116	99,358	11	99,352	7,509,967	75.6
7-8	0.000102	99,346	10	99,341	7,410,614	74.6
8-9	0.000117	99,336	12	99,330	7,311,273	73.6
9-10	0.000156	99,325	16	99,317	7,211,943	72.6
10-11	0.000212	99,309	21	99,299	7,112,626	71.6
11-12	0.000273	99,288	27	99,275	7,013,327	70.6
12-13	0.000326	99,261	32	99,245	6,914,053	69.7
13-14	0.000367	99,229	36	99,210	6,814,808	68.7
14-15	0.000399	99,192	40	99,172	6,715,598	67.7
15-16	0.000436	99,153	43	99,131	6,616,425	66.7
16-17	0.000481	99,109	48	99,086	6,517,294	65.8
17-18	0.000524	99,062	52	99,036	6,418,209	64.8
18-19	0.000561	99,010	56	98,982	6,319,173	63.8
19-20	0.000593	98,954	59	98,925	6,220,191	62.9
20-21	0.000619	98,896	61	98,865	6,121,266	61.9
21-22	0.000646	98,834	64	98,802	6,022,401	60.9
22-23	0.000684	98,771	68	98,737	5,923,598	60.0
23-24	0.000739	98,703	73	98,666	5,824,861	59.0
24-25	0.000804	98,630	79	98,590	5,726,195	58.1
25-26	0.000878	98,551	86	98,507	5,627,605	57.1
26-27	0.000943	98,464	93	98,418	5,529,097	56.2
27-28	0.000989	98,371	97	98,323	5,430,679	55.2
28-29	0.001006	98,274	99	98,225	5,332,357	54.3
29-30	0.001002	98,175	98	98,126	5,234,132	53.3
30-31	0.000997	98,077	98	98,028	5,136,006	52.4
31-32	0.001000	97,979	98	97,930	5,037,978	51.4
32-33	0.001010	97,881	99	97,832	4,940,048	50.5
33-34	0.001027	97,782	100	97,732	4,842,216	49.5
34-35	0.001055	97,682	103	97,630	4,744,484	48.6
35-36	0.001077	97,579	105	97,526	4,646,854	47.6
36-37	0.001106	97,474	108	97,420	4,549,328	46.7
37-38	0.001175	97,366	114	97,309	4,451,908	45.7
38-39	0.001300	97,251	126	97,188	4,354,600	44.8
39-40	0.001473	97,125	143	97,053	4,257,412	43.8
40-41	0.001700	96,982	165	96,900	4,160,358	42.9
41-42	0.001928	96,817	187	96,724	4,063,458	42.0
42-43	0.002081	96,630	201	96,530	3,966,735	41.1
43-44	0.002106	96,429	203	96,328	3,870,205	40.1
44-45	0.002048	96,226	197	96,128	3,773,877	39.2

Table MT-3. Life table for females: Montana, 2018

	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
45-46	0.001962	96,029	188	95,935	3,677,749	38.3
46-47	0.001940	95,841	186	95,748	3,581,814	37.4
47-48	0.002043	95,655	195	95,557	3,486,067	36.4
48-49	0.002316	95,459	221	95,349	3,390,509	35.5
49-50	0.002718	95,238	259	95,109	3,295,161	34.6
50-51	0.003180	94,979	302	94,828	3,200,052	33.7
51-52	0.003615	94,677	342	94,506	3,105,223	32.8
52-53	0.003979	94,335	375	94,148	3,010,717	31.9
53-54	0.004216	93,960	396	93,762	2,916,569	31.0
54-55	0.004366	93,564	408	93,360	2,822,808	30.2
55-56	0.004472	93,155	417	92,947	2,729,448	29.3
56-57	0.004617	92,739	428	92,525	2,636,501	28.4
57-58	0.004850	92,310	448	92,087	2,543,977	27.6
58-59	0.005208	91,863	478	91,624	2,451,890	26.7
59-60	0.005655	91,384	517	91,126	2,360,266	25.8
60-61	0.006190	90,868	562	90,586	2,269,140	25.0
61-62	0.006700	90,305	605	90,003	2,178,554	24.1
62-63	0.007070	89,700	634	89,383	2,088,551	23.3
63-64	0.007239	89,066	645	88,744	1,999,168	22.4
64-65	0.007297	88,421	645	88,099	1,910,425	21.6
65-66	0.007280	87,776	639	87,457	1,822,326	20.8
66-67	0.007530	87,137	656	86,809	1,734,869	19.9
67-68	0.008212	86,481	710	86,126	1,648,060	19.1
68-69	0.008730	85,771	749	85,396	1,561,935	18.2
69-70	0.010003	85,022	850	84,597	1,476,538	17.4
70-71	0.011458	84,171	964	83,689	1,391,942	16.5
71-72	0.013121	83,207	1,092	82,661	1,308,253	15.7
72-73	0.015020	82,115	1,233	81,498	1,225,592	14.9
73-74	0.017186	80,882	1,390	80,187	1,144,093	14.1
74-75	0.019655	79,492	1,562	78,711	1,063,906	13.4
75-76	0.022466	77,929	1,751	77,054	985,196	12.6
76-77	0.025663	76,179	1,955	75,201	908,142	11.9
77-78	0.029295	74,224	2,174	73,136	832,941	11.2
78-79	0.033414	72,049	2,407	70,846	759,804	10.5
79-80	0.038078	69,642	2,652	68,316	688,959	9.9
80-81	0.043348	66,990	2,904	65,538	620,643	9.3
81-82	0.049290	64,086	3,159	62,507	555,105	8.7
82-83	0.055973	60,927	3,410	59,222	492,598	8.1
83-84	0.063470	57,517	3,651	55,692	433,376	7.5
84-85	0.071852	53,866	3,870	51,931	377,684	7.0
85-86	0.081193	49,996	4,059	47,966	325,753	6.5
86-87	0.091561	45,937	4,206	43,834	277,786	6.0
87-88	0.103019	41,731	4,299	39,581	233,953	5.6
88-89	0.115624	37,432	4,328	35,268	194,371	5.2
89-90	0.129416	33,104	4,284	30,962	159,104	4.8

Table MT-3. Life table for females: Montana, 2018

	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
90-91	0.144423	28,820	4,162	26,738	128,142	4.4
91-92	0.160649	24,657	3,961	22,677	101,404	4.1
92-93	0.178077	20,696	3,686	18,853	78,727	3.8
93-94	0.196661	17,011	3,345	15,338	59,874	3.5
94-95	0.216326	13,665	2,956	12,187	44,536	3.3
95-96	0.236965	10,709	2,538	9,440	32,348	3.0
96-97	0.258443	8,171	2,112	7,116	22,908	2.8
97-98	0.280598	6,060	1,700	5,209	15,793	2.6
98-99	0.303240	4,359	1,322	3,698	10,583	2.4
99-100	0.326166	3,037	991	2,542	6,885	2.3
100 and over	1.000000	2,047	2,047	4,343	4,343	2.1

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