

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics (2024):
U.S. State Life Tables, 2021. National Vital Statistics Report Volume 73, Number 7. 18pp. Downloaded
from: www.cdc.gov (04.08.2025).

Table CO-2. Life table for males: Colorado, 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	0.005356	100,000	536	99,517	7,503,475	75.0
1-2	0.000445	99,464	44	99,442	7,403,958	74.4
2-3	0.000281	99,420	28	99,406	7,304,516	73.5
3-4	0.000153	99,392	15	99,385	7,205,109	72.5
4-5	0.000091	99,377	9	99,372	7,105,725	71.5
5-6	0.000119	99,368	12	99,362	7,006,352	70.5
6-7	0.000121	99,356	12	99,350	6,906,990	69.5
7-8	0.000124	99,344	12	99,338	6,807,640	68.5
8-9	0.000123	99,332	12	99,326	6,708,302	67.5
9-10	0.000119	99,320	12	99,314	6,608,977	66.5
10-11	0.000122	99,308	12	99,302	6,509,663	65.6
11-12	0.000151	99,296	15	99,288	6,410,361	64.6
12-13	0.000223	99,281	22	99,270	6,311,073	63.6
13-14	0.000351	99,259	35	99,241	6,211,803	62.6
14-15	0.000521	99,224	52	99,198	6,112,562	61.6
15-16	0.000711	99,172	71	99,137	6,013,364	60.6
16-17	0.000897	99,101	89	99,057	5,914,228	59.7
17-18	0.001071	99,013	106	98,960	5,815,171	58.7
18-19	0.001224	98,906	121	98,846	5,716,211	57.8
19-20	0.001361	98,785	134	98,718	5,617,365	56.9
20-21	0.001504	98,651	148	98,577	5,518,647	55.9
21-22	0.001653	98,503	163	98,421	5,420,070	55.0
22-23	0.001779	98,340	175	98,252	5,321,649	54.1
23-24	0.001872	98,165	184	98,073	5,223,397	53.2
24-25	0.001938	97,981	190	97,886	5,125,324	52.3
25-26	0.001985	97,791	194	97,694	5,027,437	51.4
26-27	0.002036	97,597	199	97,498	4,929,743	50.5
27-28	0.002114	97,399	206	97,296	4,832,245	49.6
28-29	0.002232	97,193	217	97,084	4,734,950	48.7
29-30	0.002377	96,976	231	96,861	4,637,865	47.8
30-31	0.002531	96,745	245	96,623	4,541,005	46.9
31-32	0.002668	96,500	257	96,372	4,444,382	46.1
32-33	0.002722	96,243	262	96,112	4,348,010	45.2
33-34	0.002844	95,981	273	95,844	4,251,899	44.3
34-35	0.002883	95,708	276	95,570	4,156,054	43.4
35-36	0.002920	95,432	279	95,293	4,060,484	42.5
36-37	0.002969	95,153	283	95,012	3,965,191	41.7
37-38	0.003019	94,871	286	94,728	3,870,179	40.8
38-39	0.003073	94,584	291	94,439	3,775,452	39.9
39-40	0.003135	94,294	296	94,146	3,681,013	39.0
40-41	0.003207	93,998	301	93,847	3,586,867	38.2
41-42	0.003297	93,697	309	93,542	3,493,020	37.3
42-43	0.003420	93,388	319	93,228	3,399,478	36.4
43-44	0.003584	93,068	334	92,902	3,306,250	35.5
44-45	0.003789	92,735	351	92,559	3,213,348	34.7

Table CO-2. Life table for males: Colorado, 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	0.004028	92,383	372	92,197	3,120,789	33.8
46-47	0.004298	92,011	395	91,814	3,028,591	32.9
47-48	0.004599	91,616	421	91,405	2,936,778	32.1
48-49	0.004920	91,194	449	90,970	2,845,373	31.2
49-50	0.005258	90,746	477	90,507	2,754,403	30.4
50-51	0.005620	90,269	507	90,015	2,663,895	29.5
51-52	0.006011	89,761	540	89,492	2,573,880	28.7
52-53	0.006431	89,222	574	88,935	2,484,389	27.8
53-54	0.006892	88,648	611	88,343	2,395,454	27.0
54-55	0.007406	88,037	652	87,711	2,307,111	26.2
55-56	0.007938	87,385	694	87,038	2,219,400	25.4
56-57	0.008516	86,691	738	86,322	2,132,362	24.6
57-58	0.009201	85,953	791	85,558	2,046,040	23.8
58-59	0.009998	85,162	851	84,737	1,960,482	23.0
59-60	0.010855	84,311	915	83,853	1,875,745	22.2
60-61	0.011751	83,396	980	82,906	1,791,892	21.5
61-62	0.012623	82,416	1,040	81,896	1,708,986	20.7
62-63	0.013420	81,375	1,092	80,829	1,627,090	20.0
63-64	0.014132	80,283	1,135	79,716	1,546,261	19.3
64-65	0.014822	79,149	1,173	78,562	1,466,545	18.5
65-66	0.015521	77,976	1,210	77,371	1,387,983	17.8
66-67	0.016702	76,765	1,282	76,124	1,310,612	17.1
67-68	0.017927	75,483	1,353	74,807	1,234,488	16.4
68-69	0.019307	74,130	1,431	73,414	1,159,681	15.6
69-70	0.020819	72,699	1,513	71,942	1,086,267	14.9
70-71	0.022429	71,185	1,597	70,387	1,014,324	14.2
71-72	0.024173	69,589	1,682	68,748	943,937	13.6
72-73	0.026133	67,907	1,775	67,019	875,190	12.9
73-74	0.028397	66,132	1,878	65,193	808,171	12.2
74-75	0.031078	64,254	1,997	63,256	742,978	11.6
75-76	0.034275	62,257	2,134	61,190	679,722	10.9
76-77	0.038135	60,123	2,293	58,977	618,532	10.3
77-78	0.042735	57,830	2,471	56,595	559,555	9.7
78-79	0.047980	55,359	2,656	54,031	502,960	9.1
79-80	0.053857	52,703	2,838	51,284	448,929	8.5
80-81	0.058838	49,864	2,934	48,398	397,646	8.0
81-82	0.066372	46,931	3,115	45,373	349,248	7.4
82-83	0.074752	43,816	3,275	42,178	303,875	6.9
83-84	0.084042	40,540	3,407	38,837	261,697	6.5
84-85	0.094302	37,133	3,502	35,382	222,860	6.0
85-86	0.105588	33,631	3,551	31,856	187,478	5.6
86-87	0.117946	30,080	3,548	28,306	155,622	5.2
87-88	0.131412	26,533	3,487	24,789	127,316	4.8
88-89	0.146006	23,046	3,365	21,363	102,526	4.4
89-90	0.161732	19,681	3,183	18,089	81,163	4.1

Table CO-2. Life table for males: Colorado, 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	0.178570	16,498	2,946	15,025	63,073	3.8
91-92	0.196478	13,552	2,663	12,221	48,048	3.5
92-93	0.215391	10,889	2,345	9,717	35,828	3.3
93-94	0.235213	8,544	2,010	7,539	26,111	3.1
94-95	0.255825	6,534	1,672	5,698	18,572	2.8
95-96	0.277084	4,863	1,347	4,189	12,874	2.6
96-97	0.298824	3,515	1,050	2,990	8,685	2.5
97-98	0.320865	2,465	791	2,069	5,695	2.3
98-99	0.343016	1,674	574	1,387	3,626	2.2
99-100	0.365081	1,100	401	899	2,239	2.0
100 and older	1.000000	698	698	1,340	1,340	1.9

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

Table CO-3. Life table for females: Colorado, 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	0.004659	100,000	466	99,576	8,061,683	80.6
1-2	0.000365	99,534	36	99,516	7,962,107	80.0
2-3	0.000130	99,498	13	99,491	7,862,591	79.0
3-4	0.000096	99,485	10	99,480	7,763,099	78.0
4-5	0.000031	99,475	3	99,474	7,663,619	77.0
5-6	0.000062	99,472	6	99,469	7,564,146	76.0
6-7	0.000060	99,466	6	99,463	7,464,677	75.0
7-8	0.000062	99,460	6	99,457	7,365,214	74.1
8-9	0.000068	99,454	7	99,450	7,265,757	73.1
9-10	0.000077	99,447	8	99,443	7,166,306	72.1
10-11	0.000091	99,439	9	99,435	7,066,863	71.1
11-12	0.000110	99,430	11	99,425	6,967,428	70.1
12-13	0.000137	99,419	14	99,413	6,868,003	69.1
13-14	0.000173	99,406	17	99,397	6,768,591	68.1
14-15	0.000217	99,389	22	99,378	6,669,194	67.1
15-16	0.000262	99,367	26	99,354	6,569,816	66.1
16-17	0.000309	99,341	31	99,326	6,470,462	65.1
17-18	0.000366	99,310	36	99,292	6,371,136	64.2
18-19	0.000435	99,274	43	99,252	6,271,844	63.2
19-20	0.000511	99,231	51	99,206	6,172,592	62.2
20-21	0.000602	99,180	60	99,150	6,073,386	61.2
21-22	0.000689	99,120	68	99,086	5,974,236	60.3
22-23	0.000739	99,052	73	99,015	5,875,150	59.3
23-24	0.000737	98,979	73	98,942	5,776,134	58.4
24-25	0.000705	98,906	70	98,871	5,677,192	57.4
25-26	0.000661	98,836	65	98,804	5,578,321	56.4
26-27	0.000639	98,771	63	98,739	5,479,517	55.5
27-28	0.000656	98,708	65	98,675	5,380,778	54.5
28-29	0.000727	98,643	72	98,607	5,282,103	53.5
29-30	0.000836	98,571	82	98,530	5,183,495	52.6
30-31	0.000960	98,489	95	98,442	5,084,965	51.6
31-32	0.001073	98,394	106	98,342	4,986,524	50.7
32-33	0.001147	98,289	113	98,232	4,888,182	49.7
33-34	0.001242	98,176	122	98,115	4,789,950	48.8
34-35	0.001298	98,054	127	97,991	4,691,835	47.8
35-36	0.001350	97,927	132	97,861	4,593,844	46.9
36-37	0.001417	97,795	139	97,725	4,495,983	46.0
37-38	0.001508	97,656	147	97,583	4,398,258	45.0
38-39	0.001633	97,509	159	97,429	4,300,675	44.1
39-40	0.001784	97,350	174	97,263	4,203,246	43.2
40-41	0.001954	97,176	190	97,081	4,105,983	42.3
41-42	0.002121	96,986	206	96,883	4,008,902	41.3
42-43	0.002264	96,780	219	96,671	3,912,019	40.4
43-44	0.002368	96,561	229	96,447	3,815,348	39.5
44-45	0.002445	96,333	235	96,215	3,718,901	38.6

Table CO-3. Life table for females: Colorado, 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	0.002528	96,097	243	95,976	3,622,686	37.7
46-47	0.002635	95,854	253	95,728	3,526,710	36.8
47-48	0.002753	95,602	263	95,470	3,430,982	35.9
48-49	0.002882	95,338	275	95,201	3,335,512	35.0
49-50	0.003025	95,064	288	94,920	3,240,311	34.1
50-51	0.003176	94,776	301	94,626	3,145,391	33.2
51-52	0.003352	94,475	317	94,317	3,050,766	32.3
52-53	0.003575	94,159	337	93,990	2,956,449	31.4
53-54	0.003860	93,822	362	93,641	2,862,459	30.5
54-55	0.004200	93,460	393	93,264	2,768,818	29.6
55-56	0.004566	93,067	425	92,855	2,675,554	28.7
56-57	0.004951	92,642	459	92,413	2,582,699	27.9
57-58	0.005379	92,184	496	91,936	2,490,286	27.0
58-59	0.005844	91,688	536	91,420	2,398,351	26.2
59-60	0.006334	91,152	577	90,863	2,306,931	25.3
60-61	0.006834	90,575	619	90,265	2,216,067	24.5
61-62	0.007346	89,956	661	89,625	2,125,802	23.6
62-63	0.007887	89,295	704	88,943	2,036,177	22.8
63-64	0.008475	88,591	751	88,215	1,947,234	22.0
64-65	0.009125	87,840	802	87,439	1,859,019	21.2
65-66	0.009850	87,038	857	86,610	1,771,580	20.4
66-67	0.010830	86,181	933	85,714	1,684,970	19.6
67-68	0.011717	85,248	999	84,748	1,599,256	18.8
68-69	0.012542	84,249	1,057	83,720	1,514,508	18.0
69-70	0.013374	83,192	1,113	82,636	1,430,788	17.2
70-71	0.014266	82,079	1,171	81,494	1,348,152	16.4
71-72	0.015369	80,909	1,244	80,287	1,266,658	15.7
72-73	0.016795	79,665	1,338	78,996	1,186,371	14.9
73-74	0.018647	78,327	1,461	77,597	1,107,375	14.1
74-75	0.020990	76,867	1,613	76,060	1,029,778	13.4
75-76	0.023819	75,253	1,792	74,357	953,718	12.7
76-77	0.027073	73,461	1,989	72,466	879,361	12.0
77-78	0.030712	71,472	2,195	70,374	806,895	11.3
78-79	0.034602	69,277	2,397	68,078	736,521	10.6
79-80	0.038786	66,880	2,594	65,583	668,442	10.0
80-81	0.043392	64,286	2,789	62,891	602,860	9.4
81-82	0.048613	61,496	2,990	60,002	539,969	8.8
82-83	0.054523	58,507	3,190	56,912	479,967	8.2
83-84	0.061263	55,317	3,389	53,622	423,055	7.6
84-85	0.068787	51,928	3,572	50,142	369,433	7.1
85-86	0.077539	48,356	3,749	46,481	319,291	6.6
86-87	0.087605	44,606	3,908	42,653	272,810	6.1
87-88	0.097720	40,699	3,977	38,710	230,157	5.7
88-89	0.110945	36,722	4,074	34,685	191,447	5.2
89-90	0.125564	32,648	4,099	30,598	156,762	4.8

Table CO-3. Life table for females: Colorado, 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	0.141618	28,548	4,043	26,527	126,165	4.4
91-92	0.159122	24,505	3,899	22,556	99,638	4.1
92-93	0.178056	20,606	3,669	18,771	77,082	3.7
93-94	0.198362	16,937	3,360	15,257	58,311	3.4
94-95	0.219941	13,577	2,986	12,084	43,054	3.2
95-96	0.242651	10,591	2,570	9,306	30,970	2.9
96-97	0.266309	8,021	2,136	6,953	21,663	2.7
97-98	0.290691	5,885	1,711	5,030	14,710	2.5
98-99	0.315547	4,174	1,317	3,516	9,681	2.3
99-100	0.340602	2,857	973	2,371	6,165	2.2
100 and older	1.000000	1,884	1,884	3,794	3,794	2.0

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