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Table SD-2. Life table for males: South Dakota, 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	0.007921	100,000	792	99,311	7,524,020	75.2
1–2	0.000517	99,208	51	99,182	7,424,709	74.8
2–3	0.000169	99,157	17	99,148	7,325,527	73.9
3–4	0.000249	99,140	25	99,128	7,226,379	72.9
4–5	0.000327	99,115	32	99,099	7,127,251	71.9
5–6	0.000182	99,083	18	99,074	7,028,152	70.9
6–7	0.000210	99,065	21	99,054	6,929,078	69.9
7–8	0.000219	99,044	22	99,033	6,830,024	69.0
8–9	0.000197	99,022	20	99,012	6,730,991	68.0
9–10	0.000149	99,003	15	98,995	6,631,978	67.0
10–11	0.000096	98,988	10	98,983	6,532,983	66.0
11–12	0.000075	98,978	7	98,975	6,434,000	65.0
12–13	0.000130	98,971	13	98,965	6,335,025	64.0
13–14	0.000283	98,958	28	98,944	6,236,061	63.0
14–15	0.000507	98,930	50	98,905	6,137,117	62.0
15–16	0.000773	98,880	76	98,842	6,038,212	61.1
16–17	0.001017	98,804	100	98,753	5,939,370	60.1
17–18	0.001191	98,703	118	98,644	5,840,617	59.2
18–19	0.001256	98,585	124	98,524	5,741,972	58.2
19–20	0.001245	98,462	123	98,400	5,643,449	57.3
20–21	0.001208	98,339	119	98,280	5,545,048	56.4
21–22	0.001205	98,220	118	98,161	5,446,769	55.5
22–23	0.001258	98,102	123	98,040	5,348,608	54.5
23–24	0.001398	97,979	137	97,910	5,250,568	53.6
24–25	0.001609	97,841	157	97,763	5,152,658	52.7
25–26	0.001860	97,684	182	97,593	5,054,895	51.7
26–27	0.002098	97,502	205	97,400	4,957,302	50.8
27–28	0.002289	97,298	223	97,186	4,859,902	49.9
28–29	0.002393	97,075	232	96,959	4,762,715	49.1
29–30	0.002432	96,843	236	96,725	4,665,756	48.2
30–31	0.002446	96,607	236	96,489	4,569,031	47.3
31–32	0.002486	96,371	240	96,251	4,472,542	46.4
32–33	0.002607	96,131	251	96,006	4,376,291	45.5
33–34	0.002717	95,881	261	95,750	4,280,285	44.6
34–35	0.002909	95,620	278	95,481	4,184,535	43.8
35–36	0.003107	95,342	296	95,194	4,089,054	42.9
36–37	0.003280	95,046	312	94,890	3,993,860	42.0
37–38	0.003426	94,734	325	94,572	3,898,970	41.2
38–39	0.003534	94,410	334	94,243	3,804,398	40.3
39–40	0.003614	94,076	340	93,906	3,710,155	39.4
40–41	0.003715	93,736	348	93,562	3,616,249	38.6
41–42	0.003824	93,388	357	93,209	3,522,688	37.7
42–43	0.003879	93,031	361	92,850	3,429,478	36.9

Table SD-2. Life table for males: South Dakota, 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	0.003860	92,670	358	92,491	3,336,628	36.0
44-45	0.003799	92,312	351	92,137	3,244,137	35.1
45-46	0.003702	91,961	340	91,791	3,152,001	34.3
46-47	0.003673	91,621	337	91,453	3,060,210	33.4
47-48	0.003846	91,284	351	91,109	2,968,757	32.5
48-49	0.004303	90,933	391	90,738	2,877,648	31.6
49-50	0.004957	90,542	449	90,318	2,786,911	30.8
50-51	0.005694	90,093	513	89,837	2,696,593	29.9
51-52	0.006389	89,580	572	89,294	2,606,756	29.1
52-53	0.006981	89,008	621	88,697	2,517,462	28.3
53-54	0.007422	88,386	656	88,058	2,428,765	27.5
54-55	0.007762	87,730	681	87,390	2,340,707	26.7
55-56	0.008095	87,049	705	86,697	2,253,317	25.9
56-57	0.008487	86,345	733	85,978	2,166,620	25.1
57-58	0.008921	85,612	764	85,230	2,080,642	24.3
58-59	0.009405	84,848	798	84,449	1,995,412	23.5
59-60	0.009922	84,050	834	83,633	1,910,963	22.7
60-61	0.010444	83,216	869	82,782	1,827,329	22.0
61-62	0.010983	82,347	904	81,895	1,744,548	21.2
62-63	0.011583	81,443	943	80,971	1,662,653	20.4
63-64	0.012284	80,499	989	80,005	1,581,682	19.6
64-65	0.013108	79,510	1,042	78,989	1,501,677	18.9
65-66	0.013962	78,468	1,096	77,920	1,422,688	18.1
66-67	0.015145	77,373	1,172	76,787	1,344,767	17.4
67-68	0.016471	76,201	1,255	75,573	1,267,980	16.6
68-69	0.018092	74,946	1,356	74,268	1,192,407	15.9
69-70	0.019959	73,590	1,469	72,855	1,118,139	15.2
70-71	0.022086	72,121	1,593	71,325	1,045,284	14.5
71-72	0.024384	70,528	1,720	69,668	973,959	13.8
72-73	0.026771	68,808	1,842	67,887	904,291	13.1
73-74	0.029160	66,966	1,953	65,990	836,403	12.5
74-75	0.031680	65,014	2,060	63,984	770,413	11.9
75-76	0.034537	62,954	2,174	61,867	706,430	11.2
76-77	0.037919	60,780	2,305	59,627	644,563	10.6
77-78	0.041927	58,475	2,452	57,249	584,935	10.0
78-79	0.046580	56,023	2,610	54,719	527,686	9.4
79-80	0.051835	53,414	2,769	52,029	472,968	8.9
80-81	0.057750	50,645	2,925	49,183	420,938	8.3
81-82	0.064170	47,720	3,062	46,189	371,755	7.8
82-83	0.070872	44,658	3,165	43,076	325,566	7.3
83-84	0.078043	41,493	3,238	39,874	282,491	6.8
84-85	0.087447	38,255	3,345	36,582	242,617	6.3
85-86	0.097796	34,910	3,414	33,203	206,035	5.9

Table SD-2. Life table for males: South Dakota, 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	0.109139	31,496	3,437	29,777	172,832	5.5
87–88	0.121516	28,058	3,410	26,353	143,055	5.1
88–89	0.134957	24,649	3,327	22,985	116,702	4.7
89–90	0.149477	21,322	3,187	19,729	93,716	4.4
90–91	0.165075	18,135	2,994	16,638	73,988	4.1
91–92	0.181728	15,141	2,752	13,766	57,350	3.8
92–93	0.199394	12,390	2,470	11,155	43,584	3.5
93–94	0.218004	9,919	2,162	8,838	32,430	3.3
94–95	0.237469	7,757	1,842	6,836	23,592	3.0
95–96	0.257674	5,915	1,524	5,153	16,756	2.8
96–97	0.278482	4,391	1,223	3,779	11,603	2.6
97–98	0.299739	3,168	950	2,693	7,824	2.5
98–99	0.321276	2,218	713	1,862	5,130	2.3
99–100	0.342915	1,506	516	1,248	3,268	2.2
100 and older	1.000000	989	989	2,021	2,021	2.0

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

Table SD-3. Life table for females: South Dakota, 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	0.007573	100,000	757	99,335	7,954,980	79.5
1–2	0.000178	99,243	18	99,234	7,855,645	79.2
2–3	0.000348	99,225	35	99,208	7,756,411	78.2
3–4	0.000171	99,191	17	99,182	7,657,203	77.2
4–5	0.000169	99,174	17	99,165	7,558,021	76.2
5–6	0.000107	99,157	11	99,152	7,458,856	75.2
6–7	0.000080	99,146	8	99,142	7,359,704	74.2
7–8	0.000076	99,138	8	99,135	7,260,562	73.2
8–9	0.000097	99,131	10	99,126	7,161,428	72.2
9–10	0.000139	99,121	14	99,114	7,062,302	71.2
10–11	0.000195	99,107	19	99,098	6,963,187	70.3
11–12	0.000256	99,088	25	99,075	6,864,090	69.3
12–13	0.000309	99,063	31	99,047	6,765,014	68.3
13–14	0.000349	99,032	35	99,015	6,665,967	67.3
14–15	0.000380	98,997	38	98,979	6,566,952	66.3
15–16	0.000413	98,960	41	98,939	6,467,974	65.4
16–17	0.000454	98,919	45	98,897	6,369,034	64.4
17–18	0.000502	98,874	50	98,849	6,270,138	63.4
18–19	0.000558	98,824	55	98,797	6,171,288	62.4
19–20	0.000617	98,769	61	98,739	6,072,492	61.5
20–21	0.000684	98,708	68	98,675	5,973,753	60.5
21–22	0.000751	98,641	74	98,604	5,875,078	59.6
22–23	0.000808	98,567	80	98,527	5,776,474	58.6
23–24	0.000853	98,487	84	98,445	5,677,948	57.7
24–25	0.000896	98,403	88	98,359	5,579,502	56.7
25–26	0.000934	98,315	92	98,269	5,481,143	55.8
26–27	0.000992	98,223	97	98,174	5,382,874	54.8
27–28	0.001100	98,126	108	98,072	5,284,700	53.9
28–29	0.001272	98,018	125	97,955	5,186,628	52.9
29–30	0.001482	97,893	145	97,821	5,088,673	52.0
30–31	0.001690	97,748	165	97,666	4,990,852	51.1
31–32	0.001876	97,583	183	97,491	4,893,186	50.1
32–33	0.002081	97,400	203	97,299	4,795,695	49.2
33–34	0.002197	97,197	214	97,090	4,698,397	48.3
34–35	0.002325	96,984	226	96,871	4,601,306	47.4
35–36	0.002475	96,758	239	96,638	4,504,435	46.6
36–37	0.002608	96,519	252	96,393	4,407,797	45.7
37–38	0.002637	96,267	254	96,140	4,311,404	44.8
38–39	0.002529	96,013	243	95,892	4,215,264	43.9
39–40	0.002334	95,770	224	95,658	4,119,373	43.0
40–41	0.002084	95,547	199	95,447	4,023,714	42.1
41–42	0.001890	95,348	180	95,257	3,928,267	41.2
42–43	0.001854	95,167	176	95,079	3,833,010	40.3

Table SD-3. Life table for females: South Dakota, 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	0.002052	94,991	195	94,893	3,737,931	39.4
44-45	0.002443	94,796	232	94,680	3,643,037	38.4
45-46	0.002956	94,564	280	94,425	3,548,357	37.5
46-47	0.003460	94,285	326	94,122	3,453,933	36.6
47-48	0.003872	93,959	364	93,777	3,359,811	35.8
48-49	0.004084	93,595	382	93,404	3,266,034	34.9
49-50	0.004144	93,212	386	93,019	3,172,631	34.0
50-51	0.004196	92,826	390	92,631	3,079,611	33.2
51-52	0.004326	92,437	400	92,237	2,986,980	32.3
52-53	0.004495	92,037	414	91,830	2,894,743	31.5
53-54	0.004725	91,623	433	91,407	2,802,913	30.6
54-55	0.005010	91,190	457	90,962	2,711,507	29.7
55-56	0.005266	90,733	478	90,494	2,620,545	28.9
56-57	0.005542	90,255	500	90,005	2,530,051	28.0
57-58	0.005959	89,755	535	89,488	2,440,046	27.2
58-59	0.006543	89,220	584	88,928	2,350,558	26.3
59-60	0.007212	88,637	639	88,317	2,261,629	25.5
60-61	0.007922	87,997	697	87,649	2,173,312	24.7
61-62	0.008561	87,300	747	86,927	2,085,663	23.9
62-63	0.009050	86,553	783	86,161	1,998,737	23.1
63-64	0.009358	85,770	803	85,368	1,912,575	22.3
64-65	0.009564	84,967	813	84,561	1,827,207	21.5
65-66	0.009773	84,154	822	83,743	1,742,646	20.7
66-67	0.010166	83,332	847	82,908	1,658,903	19.9
67-68	0.010692	82,485	882	82,044	1,575,995	19.1
68-69	0.011415	81,603	932	81,137	1,493,951	18.3
69-70	0.012347	80,671	996	80,173	1,412,814	17.5
70-71	0.013418	79,675	1,069	79,141	1,332,641	16.7
71-72	0.014756	78,606	1,160	78,026	1,253,500	15.9
72-73	0.016614	77,446	1,287	76,803	1,175,474	15.2
73-74	0.019064	76,160	1,452	75,434	1,098,671	14.4
74-75	0.020370	74,708	1,522	73,947	1,023,237	13.7
75-76	0.023060	73,186	1,688	72,342	949,290	13.0
76-77	0.026090	71,498	1,865	70,566	876,948	12.3
77-78	0.029501	69,633	2,054	68,606	806,383	11.6
78-79	0.033334	67,579	2,253	66,452	737,777	10.9
79-80	0.037635	65,326	2,459	64,097	671,325	10.3
80-81	0.042455	62,867	2,669	61,533	607,228	9.7
81-82	0.047844	60,198	2,880	58,758	545,695	9.1
82-83	0.053859	57,318	3,087	55,775	486,937	8.5
83-84	0.060556	54,231	3,284	52,589	431,162	8.0
84-85	0.067994	50,947	3,464	49,215	378,573	7.4
85-86	0.076230	47,483	3,620	45,673	329,358	6.9

Table SD-3. Life table for females: South Dakota, 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	0.085321	43,863	3,742	41,992	283,685	6.5
87–88	0.095322	40,121	3,824	38,209	241,693	6.0
88–89	0.106280	36,297	3,858	34,368	203,484	5.6
89–90	0.118238	32,439	3,835	30,521	169,117	5.2
90–91	0.131225	28,603	3,753	26,727	138,595	4.8
91–92	0.145262	24,850	3,610	23,045	111,869	4.5
92–93	0.160350	21,240	3,406	19,537	88,824	4.2
93–94	0.176476	17,834	3,147	16,261	69,286	3.9
94–95	0.193602	14,687	2,843	13,265	53,026	3.6
95–96	0.211674	11,844	2,507	10,590	39,761	3.4
96–97	0.230609	9,337	2,153	8,260	29,170	3.1
97–98	0.250307	7,183	1,798	6,284	20,910	2.9
98–99	0.270643	5,385	1,458	4,657	14,626	2.7
99–100	0.291474	3,928	1,145	3,355	9,969	2.5
100 and older	1.000000	2,783	2,783	6,614	6,614	2.4

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