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Table UT-2. Life table for males: Utah, 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	0.005506	100,000	551	99,479	7,730,102	77.3
1–2	0.000342	99,449	34	99,432	7,630,623	76.7
2–3	0.000248	99,415	25	99,403	7,531,191	75.8
3–4	0.000282	99,391	28	99,377	7,431,788	74.8
4–5	0.000040	99,363	4	99,361	7,332,411	73.8
5–6	0.000160	99,359	16	99,351	7,233,050	72.8
6–7	0.000159	99,343	16	99,335	7,133,700	71.8
7–8	0.000157	99,327	16	99,319	7,034,365	70.8
8–9	0.000148	99,311	15	99,304	6,935,046	69.8
9–10	0.000136	99,297	14	99,290	6,835,742	68.8
10–11	0.000128	99,283	13	99,277	6,736,452	67.9
11–12	0.000135	99,270	13	99,264	6,637,175	66.9
12–13	0.000172	99,257	17	99,249	6,537,911	65.9
13–14	0.000246	99,240	24	99,228	6,438,663	64.9
14–15	0.000350	99,216	35	99,198	6,339,435	63.9
15–16	0.000464	99,181	46	99,158	6,240,237	62.9
16–17	0.000579	99,135	57	99,106	6,141,079	61.9
17–18	0.000692	99,077	69	99,043	6,041,973	61.0
18–19	0.000795	99,009	79	98,969	5,942,929	60.0
19–20	0.000883	98,930	87	98,886	5,843,960	59.1
20–21	0.000968	98,843	96	98,795	5,745,074	58.1
21–22	0.001047	98,747	103	98,695	5,646,279	57.2
22–23	0.001106	98,644	109	98,589	5,547,583	56.2
23–24	0.001144	98,535	113	98,478	5,448,994	55.3
24–25	0.001170	98,422	115	98,364	5,350,516	54.4
25–26	0.001193	98,307	117	98,248	5,252,152	53.4
26–27	0.001223	98,189	120	98,129	5,153,904	52.5
27–28	0.001262	98,069	124	98,007	5,055,775	51.6
28–29	0.001312	97,946	129	97,881	4,957,767	50.6
29–30	0.001374	97,817	134	97,750	4,859,886	49.7
30–31	0.001435	97,683	140	97,612	4,762,136	48.8
31–32	0.001503	97,542	147	97,469	4,664,524	47.8
32–33	0.001633	97,396	159	97,316	4,567,055	46.9
33–34	0.001728	97,237	168	97,153	4,469,738	46.0
34–35	0.001886	97,069	183	96,977	4,372,586	45.0
35–36	0.002063	96,886	200	96,786	4,275,609	44.1
36–37	0.002236	96,686	216	96,578	4,178,823	43.2
37–38	0.002380	96,469	230	96,355	4,082,245	42.3
38–39	0.002472	96,240	238	96,121	3,985,891	41.4
39–40	0.002526	96,002	242	95,881	3,889,770	40.5
40–41	0.002566	95,760	246	95,637	3,793,889	39.6
41–42	0.002617	95,514	250	95,389	3,698,252	38.7
42–43	0.002684	95,264	256	95,136	3,602,863	37.8

Table UT-2. Life table for males: Utah, 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	0.002782	95,008	264	94,876	3,507,727	36.9
44-45	0.002913	94,744	276	94,606	3,412,851	36.0
45-46	0.003076	94,468	291	94,323	3,318,245	35.1
46-47	0.003254	94,177	306	94,024	3,223,922	34.2
47-48	0.003433	93,871	322	93,710	3,129,898	33.3
48-49	0.003593	93,549	336	93,381	3,036,188	32.5
49-50	0.003745	93,213	349	93,038	2,942,808	31.6
50-51	0.003903	92,864	362	92,682	2,849,770	30.7
51-52	0.004111	92,501	380	92,311	2,757,087	29.8
52-53	0.004408	92,121	406	91,918	2,664,776	28.9
53-54	0.004827	91,715	443	91,493	2,572,858	28.1
54-55	0.005358	91,272	489	91,028	2,481,365	27.2
55-56	0.005980	90,783	543	90,512	2,390,337	26.3
56-57	0.006635	90,240	599	89,941	2,299,826	25.5
57-58	0.007262	89,641	651	89,316	2,209,885	24.7
58-59	0.007795	88,990	694	88,644	2,120,569	23.8
59-60	0.008255	88,297	729	87,932	2,031,926	23.0
60-61	0.008675	87,568	760	87,188	1,943,993	22.2
61-62	0.009161	86,808	795	86,411	1,856,805	21.4
62-63	0.009805	86,013	843	85,591	1,770,395	20.6
63-64	0.010692	85,170	911	84,714	1,684,803	19.8
64-65	0.011798	84,259	994	83,762	1,600,089	19.0
65-66	0.013045	83,265	1,086	82,722	1,516,327	18.2
66-67	0.014633	82,179	1,202	81,577	1,433,605	17.4
67-68	0.016088	80,976	1,303	80,325	1,352,028	16.7
68-69	0.017422	79,673	1,388	78,979	1,271,703	16.0
69-70	0.018737	78,285	1,467	77,552	1,192,724	15.2
70-71	0.020133	76,818	1,547	76,045	1,115,172	14.5
71-72	0.021762	75,272	1,638	74,453	1,039,127	13.8
72-73	0.023733	73,634	1,748	72,760	964,674	13.1
73-74	0.026147	71,886	1,880	70,946	891,914	12.4
74-75	0.029053	70,007	2,034	68,990	820,967	11.7
75-76	0.032376	67,973	2,201	66,872	751,978	11.1
76-77	0.036065	65,772	2,372	64,586	685,105	10.4
77-78	0.040221	63,400	2,550	62,125	620,519	9.8
78-79	0.044924	60,850	2,734	59,483	558,394	9.2
79-80	0.050237	58,116	2,920	56,657	498,911	8.6
80-81	0.056285	55,197	3,107	53,643	442,255	8.0
81-82	0.063137	52,090	3,289	50,446	388,611	7.5
82-83	0.070866	48,801	3,458	47,072	338,166	6.9
83-84	0.079605	45,343	3,610	43,538	291,094	6.4
84-85	0.089513	41,733	3,736	39,865	247,556	5.9
85-86	0.100878	37,998	3,833	36,081	207,690	5.5

Table UT-2. Life table for males: Utah, 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	0.113677	34,164	3,884	32,223	171,609	5.0
87–88	0.128336	30,281	3,886	28,338	139,387	4.6
88–89	0.146785	26,395	3,874	24,457	111,049	4.2
89–90	0.166718	22,520	3,755	20,643	86,591	3.8
90–91	0.188377	18,766	3,535	16,998	65,948	3.5
91–92	0.211659	15,231	3,224	13,619	48,950	3.2
92–93	0.236396	12,007	2,838	10,588	35,331	2.9
93–94	0.262357	9,169	2,405	7,966	24,743	2.7
94–95	0.289252	6,763	1,956	5,785	16,777	2.5
95–96	0.316745	4,807	1,523	4,046	10,992	2.3
96–97	0.344465	3,284	1,131	2,719	6,947	2.1
97–98	0.372033	2,153	801	1,753	4,228	2.0
98–99	0.399074	1,352	540	1,082	2,476	1.8
99–100	0.425244	812	345	640	1,393	1.7
100 and older	1.000000	467	467	754	754	1.6

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

Table UT-3. Life table for females: Utah, 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	0.004238	100,000	424	99,621	8,088,478	80.9
1–2	0.000544	99,576	54	99,549	7,988,857	80.2
2–3	0.000088	99,522	9	99,518	7,889,308	79.3
3–4	0.000171	99,513	17	99,505	7,789,790	78.3
4–5	0.000126	99,496	13	99,490	7,690,285	77.3
5–6	0.000130	99,484	13	99,477	7,590,795	76.3
6–7	0.000133	99,471	13	99,464	7,491,318	75.3
7–8	0.000133	99,458	13	99,451	7,391,854	74.3
8–9	0.000128	99,444	13	99,438	7,292,403	73.3
9–10	0.000119	99,432	12	99,426	7,192,965	72.3
10–11	0.000110	99,420	11	99,415	7,093,539	71.3
11–12	0.000106	99,409	11	99,404	6,994,124	70.4
12–13	0.000114	99,399	11	99,393	6,894,721	69.4
13–14	0.000138	99,387	14	99,380	6,795,328	68.4
14–15	0.000174	99,373	17	99,365	6,695,947	67.4
15–16	0.000216	99,356	21	99,345	6,596,583	66.4
16–17	0.000256	99,335	25	99,322	6,497,237	65.4
17–18	0.000287	99,309	29	99,295	6,397,915	64.4
18–19	0.000305	99,281	30	99,266	6,298,620	63.4
19–20	0.000313	99,251	31	99,235	6,199,355	62.5
20–21	0.000318	99,220	32	99,204	6,100,120	61.5
21–22	0.000328	99,188	33	99,172	6,000,916	60.5
22–23	0.000346	99,155	34	99,138	5,901,744	59.5
23–24	0.000377	99,121	37	99,102	5,802,606	58.5
24–25	0.000420	99,084	42	99,063	5,703,503	57.6
25–26	0.000474	99,042	47	99,019	5,604,440	56.6
26–27	0.000530	98,995	52	98,969	5,505,422	55.6
27–28	0.000584	98,943	58	98,914	5,406,453	54.6
28–29	0.000628	98,885	62	98,854	5,307,539	53.7
29–30	0.000663	98,823	66	98,790	5,208,685	52.7
30–31	0.000698	98,757	69	98,723	5,109,895	51.7
31–32	0.000741	98,688	73	98,652	5,011,172	50.8
32–33	0.000813	98,615	80	98,575	4,912,520	49.8
33–34	0.000856	98,535	84	98,493	4,813,945	48.9
34–35	0.000931	98,451	92	98,405	4,715,453	47.9
35–36	0.001010	98,359	99	98,309	4,617,048	46.9
36–37	0.001092	98,260	107	98,206	4,518,739	46.0
37–38	0.001182	98,152	116	98,094	4,420,533	45.0
38–39	0.001278	98,036	125	97,974	4,322,439	44.1
39–40	0.001373	97,911	134	97,844	4,224,465	43.1
40–41	0.001471	97,777	144	97,705	4,126,621	42.2
41–42	0.001565	97,633	153	97,556	4,028,917	41.3
42–43	0.001652	97,480	161	97,399	3,931,360	40.3

Table UT-3. Life table for females: Utah, 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	0.001735	97,319	169	97,234	3,833,961	39.4
44-45	0.001823	97,150	177	97,062	3,736,726	38.5
45-46	0.001926	96,973	187	96,880	3,639,665	37.5
46-47	0.002048	96,786	198	96,687	3,542,785	36.6
47-48	0.002182	96,588	211	96,483	3,446,098	35.7
48-49	0.002325	96,377	224	96,265	3,349,616	34.8
49-50	0.002478	96,153	238	96,034	3,253,350	33.8
50-51	0.002644	95,915	254	95,788	3,157,316	32.9
51-52	0.002839	95,661	272	95,526	3,061,528	32.0
52-53	0.003084	95,390	294	95,243	2,966,003	31.1
53-54	0.003393	95,096	323	94,934	2,870,760	30.2
54-55	0.003758	94,773	356	94,595	2,775,826	29.3
55-56	0.004173	94,417	394	94,220	2,681,231	28.4
56-57	0.004608	94,023	433	93,806	2,587,011	27.5
57-58	0.005030	93,590	471	93,354	2,493,205	26.6
58-59	0.005402	93,119	503	92,867	2,399,851	25.8
59-60	0.005734	92,616	531	92,350	2,306,983	24.9
60-61	0.006060	92,085	558	91,806	2,214,633	24.0
61-62	0.006422	91,527	588	91,233	2,122,827	23.2
62-63	0.006834	90,939	622	90,628	2,031,595	22.3
63-64	0.007334	90,317	662	89,986	1,940,966	21.5
64-65	0.007933	89,655	711	89,299	1,850,980	20.6
65-66	0.008615	88,944	766	88,561	1,761,681	19.8
66-67	0.009490	88,178	837	87,759	1,673,120	19.0
67-68	0.010440	87,341	912	86,885	1,585,361	18.2
68-69	0.011505	86,429	994	85,932	1,498,476	17.3
69-70	0.012704	85,435	1,085	84,892	1,412,544	16.5
70-71	0.014033	84,349	1,184	83,757	1,327,652	15.7
71-72	0.015609	83,166	1,298	82,516	1,243,895	15.0
72-73	0.017587	81,867	1,440	81,148	1,161,379	14.2
73-74	0.020019	80,428	1,610	79,623	1,080,231	13.4
74-75	0.022865	78,818	1,802	77,916	1,000,609	12.7
75-76	0.026089	77,015	2,009	76,011	922,692	12.0
76-77	0.028092	75,006	2,107	73,953	846,681	11.3
77-78	0.032170	72,899	2,345	71,726	772,729	10.6
78-79	0.036808	70,554	2,597	69,255	701,002	9.9
79-80	0.042069	67,957	2,859	66,528	631,747	9.3
80-81	0.048024	65,098	3,126	63,535	565,219	8.7
81-82	0.054750	61,972	3,393	60,275	501,684	8.1
82-83	0.062322	58,579	3,651	56,754	441,409	7.5
83-84	0.070820	54,928	3,890	52,983	384,655	7.0
84-85	0.080322	51,038	4,100	48,988	331,672	6.5
85-86	0.090906	46,939	4,267	44,805	282,684	6.0

Table UT-3. Life table for females: Utah, 2022

	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
86–87	0.102639	42,672	4,380	40,482	237,879	5.6
87–88	0.115583	38,292	4,426	36,079	197,397	5.2
88–89	0.129784	33,866	4,395	31,668	161,318	4.8
89–90	0.145270	29,471	4,281	27,330	129,650	4.4
90–91	0.162046	25,190	4,082	23,149	102,320	4.1
91–92	0.180090	21,108	3,801	19,207	79,171	3.8
92–93	0.199349	17,306	3,450	15,581	59,964	3.5
93–94	0.219738	13,856	3,045	12,334	44,383	3.2
94–95	0.241137	10,812	2,607	9,508	32,049	3.0
95–96	0.263391	8,205	2,161	7,124	22,541	2.7
96–97	0.286316	6,044	1,730	5,178	15,417	2.6
97–98	0.309705	4,313	1,336	3,645	10,238	2.4
98–99	0.333331	2,977	992	2,481	6,593	2.2
99–100	0.356956	1,985	709	1,631	4,112	2.1
100 and older	1.000000	1,276	1,276	2,481	2,481	1.9

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