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Table PA-2. Life table for males: Pennsylvania, 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	0.006128	100,000	613	99,449	7,472,800	74.7
1-2	0.000385	99,387	38	99,368	7,373,351	74.2
2-3	0.000352	99,349	35	99,332	7,273,983	73.2
3-4	0.000289	99,314	29	99,300	7,174,652	72.2
4-5	0.000184	99,285	18	99,276	7,075,352	71.3
5-6	0.000170	99,267	17	99,259	6,976,076	70.3
6-7	0.000151	99,250	15	99,243	6,876,817	69.3
7-8	0.000137	99,235	14	99,228	6,777,574	68.3
8-9	0.000119	99,222	12	99,216	6,678,346	67.3
9-10	0.000101	99,210	10	99,205	6,579,130	66.3
10-11	0.000090	99,200	9	99,195	6,479,925	65.3
11-12	0.000102	99,191	10	99,186	6,380,730	64.3
12-13	0.000157	99,181	16	99,173	6,281,544	63.3
13-14	0.000260	99,165	26	99,152	6,182,371	62.3
14-15	0.000396	99,139	39	99,120	6,083,219	61.4
15-16	0.000548	99,100	54	99,073	5,984,099	60.4
16-17	0.000691	99,046	68	99,012	5,885,026	59.4
17-18	0.000810	98,977	80	98,937	5,786,014	58.5
18-19	0.000895	98,897	89	98,853	5,687,077	57.5
19-20	0.000961	98,809	95	98,761	5,588,224	56.6
20-21	0.001021	98,714	101	98,663	5,489,463	55.6
21-22	0.001097	98,613	108	98,559	5,390,800	54.7
22-23	0.001201	98,505	118	98,446	5,292,241	53.7
23-24	0.001346	98,386	132	98,320	5,193,795	52.8
24-25	0.001522	98,254	150	98,179	5,095,475	51.9
25-26	0.001716	98,104	168	98,020	4,997,295	50.9
26-27	0.001904	97,936	186	97,843	4,899,275	50.0
27-28	0.002068	97,750	202	97,649	4,801,432	49.1
28-29	0.002187	97,548	213	97,441	4,703,783	48.2
29-30	0.002269	97,334	221	97,224	4,606,343	47.3
30-31	0.002335	97,113	227	97,000	4,509,119	46.4
31-32	0.002407	96,887	233	96,770	4,412,119	45.5
32-33	0.002503	96,653	242	96,532	4,315,349	44.6
33-34	0.002600	96,412	251	96,286	4,218,816	43.8
34-35	0.002729	96,161	262	96,030	4,122,530	42.9
35-36	0.002869	95,898	275	95,761	4,026,500	42.0
36-37	0.003004	95,623	287	95,480	3,930,739	41.1
37-38	0.003121	95,336	298	95,187	3,835,260	40.2
38-39	0.003211	95,039	305	94,886	3,740,072	39.4
39-40	0.003283	94,733	311	94,578	3,645,186	38.5
40-41	0.003366	94,422	318	94,263	3,550,609	37.6
41-42	0.003466	94,105	326	93,941	3,456,345	36.7
42-43	0.003564	93,778	334	93,611	3,362,404	35.9

Table PA-2. Life table for males: Pennsylvania, 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	0.003659	93,444	342	93,273	3,268,793	35.0
44-45	0.003766	93,102	351	92,927	3,175,519	34.1
45-46	0.003909	92,752	363	92,570	3,082,593	33.2
46-47	0.004106	92,389	379	92,199	2,990,022	32.4
47-48	0.004348	92,010	400	91,810	2,897,823	31.5
48-49	0.004626	91,610	424	91,398	2,806,014	30.6
49-50	0.004933	91,186	450	90,961	2,714,616	29.8
50-51	0.005241	90,736	476	90,498	2,623,655	28.9
51-52	0.005596	90,260	505	90,008	2,533,157	28.1
52-53	0.006071	89,755	545	89,483	2,443,149	27.2
53-54	0.006709	89,210	599	88,911	2,353,666	26.4
54-55	0.007484	88,612	663	88,280	2,264,755	25.6
55-56	0.008321	87,949	732	87,583	2,176,474	24.7
56-57	0.009161	87,217	799	86,818	2,088,891	24.0
57-58	0.010013	86,418	865	85,985	2,002,074	23.2
58-59	0.010843	85,553	928	85,089	1,916,089	22.4
59-60	0.011648	84,625	986	84,132	1,831,000	21.6
60-61	0.012461	83,639	1,042	83,118	1,746,867	20.9
61-62	0.013303	82,597	1,099	82,048	1,663,749	20.1
62-63	0.014171	81,498	1,155	80,921	1,581,701	19.4
63-64	0.015096	80,343	1,213	79,737	1,500,781	18.7
64-65	0.016099	79,131	1,274	78,494	1,421,044	18.0
65-66	0.017184	77,857	1,338	77,188	1,342,550	17.2
66-67	0.018622	76,519	1,425	75,806	1,265,362	16.5
67-68	0.020007	75,094	1,502	74,343	1,189,556	15.8
68-69	0.021419	73,591	1,576	72,803	1,115,213	15.2
69-70	0.022937	72,015	1,652	71,189	1,042,410	14.5
70-71	0.024611	70,363	1,732	69,497	971,221	13.8
71-72	0.026561	68,632	1,823	67,720	901,723	13.1
72-73	0.028912	66,809	1,932	65,843	834,003	12.5
73-74	0.031708	64,877	2,057	63,849	768,160	11.8
74-75	0.034963	62,820	2,196	61,722	704,312	11.2
75-76	0.038655	60,624	2,343	59,452	642,590	10.6
76-77	0.042753	58,280	2,492	57,034	583,138	10.0
77-78	0.047270	55,789	2,637	54,470	526,104	9.4
78-79	0.052183	53,151	2,774	51,765	471,634	8.9
79-80	0.057625	50,378	2,903	48,926	419,869	8.3
80-81	0.063746	47,475	3,026	45,962	370,943	7.8
81-82	0.070618	44,448	3,139	42,879	324,981	7.3
82-83	0.078307	41,310	3,235	39,692	282,102	6.8
83-84	0.086841	38,075	3,306	36,422	242,410	6.4
84-85	0.096471	34,768	3,354	33,091	205,988	5.9
85-86	0.107709	31,414	3,384	29,722	172,897	5.5

Table PA-2. Life table for males: Pennsylvania, 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	0.117839	28,031	3,303	26,379	143,175	5.1
87–88	0.132037	24,728	3,265	23,095	116,796	4.7
88–89	0.147485	21,463	3,165	19,880	93,701	4.4
89–90	0.164186	18,297	3,004	16,795	73,821	4.0
90–91	0.182115	15,293	2,785	13,900	57,026	3.7
91–92	0.201217	12,508	2,517	11,250	43,125	3.4
92–93	0.221407	9,991	2,212	8,885	31,875	3.2
93–94	0.242568	7,779	1,887	6,836	22,990	3.0
94–95	0.264550	5,892	1,559	5,113	16,155	2.7
95–96	0.287174	4,333	1,244	3,711	11,042	2.5
96–97	0.310241	3,089	958	2,610	7,331	2.4
97–98	0.333532	2,131	711	1,775	4,721	2.2
98–99	0.356821	1,420	507	1,167	2,946	2.1
99–100	0.379882	913	347	740	1,779	1.9
100 and older	1.000000	566	566	1,039	1,039	1.8

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

Table PA-3. Life table for females: Pennsylvania, 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	0.005224	100,000	522	99,537	7,993,779	79.9
1–2	0.000263	99,478	26	99,464	7,894,241	79.4
2–3	0.000246	99,451	24	99,439	7,794,777	78.4
3–4	0.000242	99,427	24	99,415	7,695,338	77.4
4–5	0.000193	99,403	19	99,393	7,595,923	76.4
5–6	0.000160	99,384	16	99,376	7,496,529	75.4
6–7	0.000141	99,368	14	99,361	7,397,154	74.4
7–8	0.000127	99,354	13	99,347	7,297,793	73.5
8–9	0.000116	99,341	12	99,335	7,198,445	72.5
9–10	0.000108	99,330	11	99,324	7,099,110	71.5
10–11	0.000104	99,319	10	99,314	6,999,786	70.5
11–12	0.000109	99,308	11	99,303	6,900,472	69.5
12–13	0.000124	99,298	12	99,292	6,801,169	68.5
13–14	0.000151	99,285	15	99,278	6,701,878	67.5
14–15	0.000187	99,270	19	99,261	6,602,600	66.5
15–16	0.000227	99,252	23	99,241	6,503,339	65.5
16–17	0.000268	99,229	27	99,216	6,404,098	64.5
17–18	0.000304	99,203	30	99,188	6,304,882	63.6
18–19	0.000334	99,173	33	99,156	6,205,695	62.6
19–20	0.000363	99,139	36	99,121	6,106,539	61.6
20–21	0.000393	99,103	39	99,084	6,007,417	60.6
21–22	0.000428	99,064	42	99,043	5,908,333	59.6
22–23	0.000473	99,022	47	98,999	5,809,290	58.7
23–24	0.000529	98,975	52	98,949	5,710,291	57.7
24–25	0.000596	98,923	59	98,893	5,611,342	56.7
25–26	0.000670	98,864	66	98,831	5,512,449	55.8
26–27	0.000748	98,798	74	98,761	5,413,618	54.8
27–28	0.000826	98,724	82	98,683	5,314,857	53.8
28–29	0.000896	98,642	88	98,598	5,216,174	52.9
29–30	0.000958	98,554	94	98,507	5,117,576	51.9
30–31	0.001018	98,459	100	98,409	5,019,069	51.0
31–32	0.001079	98,359	106	98,306	4,920,660	50.0
32–33	0.001148	98,253	113	98,197	4,822,354	49.1
33–34	0.001207	98,140	118	98,081	4,724,157	48.1
34–35	0.001281	98,022	126	97,959	4,626,076	47.2
35–36	0.001362	97,896	133	97,830	4,528,117	46.3
36–37	0.001448	97,763	142	97,692	4,430,287	45.3
37–38	0.001539	97,622	150	97,546	4,332,595	44.4
38–39	0.001633	97,471	159	97,392	4,235,048	43.4
39–40	0.001732	97,312	169	97,228	4,137,656	42.5
40–41	0.001843	97,144	179	97,054	4,040,429	41.6
41–42	0.001965	96,964	191	96,869	3,943,375	40.7
42–43	0.002091	96,774	202	96,673	3,846,505	39.7

Table PA-3. Life table for females: Pennsylvania, 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	0.002222	96,572	215	96,464	3,749,833	38.8
44-45	0.002367	96,357	228	96,243	3,653,368	37.9
45-46	0.002535	96,129	244	96,007	3,557,125	37.0
46-47	0.002732	95,885	262	95,754	3,461,118	36.1
47-48	0.002947	95,623	282	95,482	3,365,364	35.2
48-49	0.003166	95,342	302	95,191	3,269,881	34.3
49-50	0.003383	95,040	322	94,879	3,174,690	33.4
50-51	0.003618	94,718	343	94,547	3,079,812	32.5
51-52	0.003870	94,375	365	94,193	2,985,265	31.6
52-53	0.004121	94,010	387	93,817	2,891,072	30.8
53-54	0.004377	93,623	410	93,418	2,797,255	29.9
54-55	0.004658	93,213	434	92,996	2,703,837	29.0
55-56	0.004934	92,779	458	92,550	2,610,842	28.1
56-57	0.005259	92,321	485	92,078	2,518,292	27.3
57-58	0.005725	91,836	526	91,573	2,426,213	26.4
58-59	0.006363	91,310	581	91,019	2,334,641	25.6
59-60	0.007112	90,729	645	90,406	2,243,621	24.7
60-61	0.007913	90,084	713	89,727	2,153,215	23.9
61-62	0.008686	89,371	776	88,983	2,063,488	23.1
62-63	0.009391	88,594	832	88,178	1,974,506	22.3
63-64	0.010006	87,762	878	87,323	1,886,327	21.5
64-65	0.010585	86,884	920	86,424	1,799,004	20.7
65-66	0.011193	85,965	962	85,484	1,712,579	19.9
66-67	0.012006	85,002	1,021	84,492	1,627,096	19.1
67-68	0.012891	83,982	1,083	83,441	1,542,604	18.4
68-69	0.013906	82,899	1,153	82,323	1,459,163	17.6
69-70	0.015065	81,746	1,231	81,131	1,376,840	16.8
70-71	0.016360	80,515	1,317	79,856	1,295,709	16.1
71-72	0.017817	79,198	1,411	78,492	1,215,853	15.4
72-73	0.019517	77,787	1,518	77,028	1,137,361	14.6
73-74	0.021501	76,269	1,640	75,449	1,060,333	13.9
74-75	0.023788	74,629	1,775	73,741	984,884	13.2
75-76	0.026352	72,853	1,920	71,894	911,143	12.5
76-77	0.029264	70,934	2,076	69,896	839,250	11.8
77-78	0.032624	68,858	2,246	67,735	769,354	11.2
78-79	0.036482	66,611	2,430	65,396	701,620	10.5
79-80	0.040864	64,181	2,623	62,870	636,223	9.9
80-81	0.045721	61,559	2,815	60,151	573,353	9.3
81-82	0.051009	58,744	2,996	57,246	513,202	8.7
82-83	0.056765	55,748	3,165	54,165	455,956	8.2
83-84	0.063176	52,583	3,322	50,922	401,790	7.6
84-85	0.070649	49,261	3,480	47,521	350,868	7.1
85-86	0.079752	45,781	3,651	43,955	303,347	6.6

Table PA-3. Life table for females: Pennsylvania, 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	0.089460	42,130	3,769	40,245	259,392	6.2
87–88	0.098895	38,361	3,794	36,464	219,147	5.7
88–89	0.111436	34,567	3,852	32,641	182,683	5.3
89–90	0.125216	30,715	3,846	28,792	150,042	4.9
90–91	0.140271	26,869	3,769	24,985	121,249	4.5
91–92	0.156611	23,100	3,618	21,291	96,265	4.2
92–93	0.174225	19,482	3,394	17,785	74,974	3.8
93–94	0.193070	16,088	3,106	14,535	57,188	3.6
94–95	0.213072	12,982	2,766	11,599	42,653	3.3
95–96	0.234121	10,216	2,392	9,020	31,054	3.0
96–97	0.256076	7,824	2,004	6,822	22,034	2.8
97–98	0.278763	5,821	1,623	5,009	15,212	2.6
98–99	0.301981	4,198	1,268	3,564	10,203	2.4
99–100	0.325511	2,930	954	2,453	6,639	2.3
100 and older	1.000000	1,976	1,976	4,185	4,185	2.1

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