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Table PA-2. Life table for males: Pennsylvania, 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	0.005480	100,000	548	99,514	7,355,743	73.6
1-2	0.000509	99,452	51	99,427	7,256,229	73.0
2-3	0.000331	99,401	33	99,385	7,156,803	72.0
3-4	0.000255	99,368	25	99,356	7,057,418	71.0
4-5	0.000112	99,343	11	99,338	6,958,062	70.0
5-6	0.000178	99,332	18	99,323	6,858,724	69.0
6-7	0.000167	99,314	17	99,306	6,759,401	68.1
7-8	0.000156	99,298	15	99,290	6,660,095	67.1
8-9	0.000139	99,282	14	99,275	6,560,805	66.1
9-10	0.000120	99,268	12	99,263	6,461,530	65.1
10-11	0.000108	99,257	11	99,251	6,362,267	64.1
11-12	0.000117	99,246	12	99,240	6,263,016	63.1
12-13	0.000162	99,234	16	99,226	6,163,776	62.1
13-14	0.000253	99,218	25	99,206	6,064,550	61.1
14-15	0.000377	99,193	37	99,174	5,965,344	60.1
15-16	0.000514	99,156	51	99,130	5,866,170	59.2
16-17	0.000651	99,105	65	99,072	5,767,040	58.2
17-18	0.000794	99,040	79	99,001	5,667,968	57.2
18-19	0.000943	98,961	93	98,915	5,568,967	56.3
19-20	0.001101	98,868	109	98,814	5,470,052	55.3
20-21	0.001272	98,759	126	98,696	5,371,239	54.4
21-22	0.001451	98,634	143	98,562	5,272,542	53.5
22-23	0.001621	98,490	160	98,411	5,173,980	52.5
23-24	0.001770	98,331	174	98,244	5,075,570	51.6
24-25	0.001899	98,157	186	98,063	4,977,326	50.7
25-26	0.002019	97,970	198	97,871	4,879,263	49.8
26-27	0.002140	97,773	209	97,668	4,781,391	48.9
27-28	0.002259	97,563	220	97,453	4,683,723	48.0
28-29	0.002376	97,343	231	97,227	4,586,270	47.1
29-30	0.002490	97,112	242	96,991	4,489,043	46.2
30-31	0.002599	96,870	252	96,744	4,392,052	45.3
31-32	0.002701	96,618	261	96,488	4,295,309	44.5
32-33	0.002783	96,357	268	96,223	4,198,821	43.6
33-34	0.002893	96,089	278	95,950	4,102,598	42.7
34-35	0.002989	95,811	286	95,668	4,006,648	41.8
35-36	0.003091	95,525	295	95,377	3,910,980	40.9
36-37	0.003198	95,229	305	95,077	3,815,603	40.1
37-38	0.003313	94,925	314	94,768	3,720,526	39.2
38-39	0.003437	94,610	325	94,448	3,625,759	38.3
39-40	0.003569	94,285	337	94,117	3,531,311	37.5
40-41	0.003733	93,949	351	93,773	3,437,194	36.6
41-42	0.003914	93,598	366	93,415	3,343,421	35.7
42-43	0.004071	93,232	380	93,042	3,250,006	34.9
43-44	0.004192	92,852	389	92,657	3,156,964	34.0
44-45	0.004301	92,463	398	92,264	3,064,307	33.1

Table PA-2. Life table for males: Pennsylvania, 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	0.004423	92,065	407	91,862	2,972,042	32.3
46-47	0.004615	91,658	423	91,446	2,880,181	31.4
47-48	0.004916	91,235	448	91,011	2,788,734	30.6
48-49	0.005340	90,786	485	90,544	2,697,724	29.7
49-50	0.005843	90,302	528	90,038	2,607,180	28.9
50-51	0.006370	89,774	572	89,488	2,517,142	28.0
51-52	0.006898	89,202	615	88,894	2,427,654	27.2
52-53	0.007446	88,587	660	88,257	2,338,759	26.4
53-54	0.008025	87,927	706	87,574	2,250,502	25.6
54-55	0.008649	87,222	754	86,844	2,162,928	24.8
55-56	0.009296	86,467	804	86,065	2,076,083	24.0
56-57	0.009983	85,663	855	85,236	1,990,018	23.2
57-58	0.010761	84,808	913	84,352	1,904,782	22.5
58-59	0.011637	83,896	976	83,407	1,820,430	21.7
59-60	0.012581	82,919	1,043	82,398	1,737,023	20.9
60-61	0.013554	81,876	1,110	81,321	1,654,625	20.2
61-62	0.014538	80,766	1,174	80,179	1,573,304	19.5
62-63	0.015560	79,592	1,238	78,973	1,493,125	18.8
63-64	0.016651	78,354	1,305	77,701	1,414,152	18.0
64-65	0.017839	77,049	1,374	76,362	1,336,450	17.3
65-66	0.019137	75,675	1,448	74,950	1,260,089	16.7
66-67	0.020801	74,226	1,544	73,454	1,185,138	16.0
67-68	0.022409	72,682	1,629	71,868	1,111,684	15.3
68-69	0.024002	71,054	1,705	70,201	1,039,816	14.6
69-70	0.025638	69,348	1,778	68,459	969,615	14.0
70-71	0.027390	67,570	1,851	66,645	901,155	13.3
71-72	0.029391	65,720	1,932	64,754	834,511	12.7
72-73	0.031735	63,788	2,024	62,776	769,757	12.1
73-74	0.034529	61,764	2,133	60,697	706,981	11.4
74-75	0.037826	59,631	2,256	58,503	646,284	10.8
75-76	0.041680	57,375	2,391	56,180	587,780	10.2
76-77	0.046072	54,984	2,533	53,717	531,601	9.7
77-78	0.050992	52,451	2,675	51,114	477,883	9.1
78-79	0.056392	49,776	2,807	48,373	426,770	8.6
79-80	0.062208	46,969	2,922	45,508	378,397	8.1
80-81	0.068353	44,047	3,011	42,542	332,889	7.6
81-82	0.075035	41,037	3,079	39,497	290,347	7.1
82-83	0.082602	37,957	3,135	36,390	250,850	6.6
83-84	0.091307	34,822	3,180	33,232	214,460	6.2
84-85	0.101231	31,643	3,203	30,041	181,227	5.7
85-86	0.112799	28,439	3,208	26,835	151,187	5.3
86-87	0.126929	25,231	3,203	23,630	124,351	4.9
87-88	0.141019	22,029	3,106	20,476	100,721	4.6
88-89	0.156220	18,922	2,956	17,444	80,245	4.2
89-90	0.172523	15,966	2,755	14,589	62,801	3.9

Table PA-2. Life table for males: Pennsylvania, 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	0.189893	13,212	2,509	11,957	48,212	3.6
91-92	0.208275	10,703	2,229	9,588	36,255	3.4
92-93	0.227588	8,474	1,929	7,510	26,666	3.1
93-94	0.247723	6,545	1,621	5,735	19,157	2.9
94-95	0.268550	4,924	1,322	4,263	13,422	2.7
95-96	0.289916	3,602	1,044	3,079	9,160	2.5
96-97	0.311652	2,557	797	2,159	6,080	2.4
97-98	0.333574	1,760	587	1,467	3,921	2.2
98-99	0.355495	1,173	417	965	2,455	2.1
99-100	0.377224	756	285	613	1,490	2.0
100 and older	1.000000	471	471	876	876	1.9

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

Table PA-3. Life table for females: Pennsylvania, 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	0.005378	100,000	538	99,515	7,932,227	79.3
1-2	0.000397	99,462	39	99,442	7,832,712	78.8
2-3	0.000181	99,423	18	99,414	7,733,270	77.8
3-4	0.000119	99,405	12	99,399	7,633,856	76.8
4-5	0.000102	99,393	10	99,388	7,534,457	75.8
5-6	0.000108	99,383	11	99,377	7,435,069	74.8
6-7	0.000101	99,372	10	99,367	7,335,692	73.8
7-8	0.000098	99,362	10	99,357	7,236,325	72.8
8-9	0.000100	99,352	10	99,347	7,136,968	71.8
9-10	0.000108	99,342	11	99,337	7,037,621	70.8
10-11	0.000119	99,332	12	99,326	6,938,284	69.8
11-12	0.000134	99,320	13	99,313	6,838,958	68.9
12-13	0.000151	99,306	15	99,299	6,739,645	67.9
13-14	0.000169	99,291	17	99,283	6,640,347	66.9
14-15	0.000190	99,275	19	99,265	6,541,064	65.9
15-16	0.000211	99,256	21	99,245	6,441,799	64.9
16-17	0.000239	99,235	24	99,223	6,342,553	63.9
17-18	0.000277	99,211	27	99,197	6,243,330	62.9
18-19	0.000331	99,184	33	99,167	6,144,133	61.9
19-20	0.000397	99,151	39	99,131	6,044,966	61.0
20-21	0.000472	99,111	47	99,088	5,945,835	60.0
21-22	0.000548	99,065	54	99,038	5,846,747	59.0
22-23	0.000622	99,010	62	98,980	5,747,709	58.1
23-24	0.000690	98,949	68	98,915	5,648,730	57.1
24-25	0.000752	98,881	74	98,843	5,549,815	56.1
25-26	0.000814	98,806	80	98,766	5,450,972	55.2
26-27	0.000879	98,726	87	98,682	5,352,206	54.2
27-28	0.000940	98,639	93	98,593	5,253,523	53.3
28-29	0.000997	98,546	98	98,497	5,154,931	52.3
29-30	0.001051	98,448	103	98,396	5,056,433	51.4
30-31	0.001102	98,345	108	98,290	4,958,037	50.4
31-32	0.001155	98,236	113	98,179	4,859,747	49.5
32-33	0.001210	98,123	119	98,063	4,761,567	48.5
33-34	0.001288	98,004	126	97,941	4,663,504	47.6
34-35	0.001372	97,878	134	97,811	4,565,563	46.6
35-36	0.001466	97,743	143	97,672	4,467,753	45.7
36-37	0.001566	97,600	153	97,524	4,370,081	44.8
37-38	0.001666	97,447	162	97,366	4,272,558	43.8
38-39	0.001764	97,285	172	97,199	4,175,191	42.9
39-40	0.001861	97,113	181	97,023	4,077,992	42.0
40-41	0.001974	96,933	191	96,837	3,980,969	41.1
41-42	0.002102	96,741	203	96,639	3,884,133	40.1
42-43	0.002233	96,538	216	96,430	3,787,493	39.2
43-44	0.002366	96,322	228	96,208	3,691,063	38.3
44-45	0.002510	96,094	241	95,974	3,594,855	37.4

Table PA-3. Life table for females: Pennsylvania, 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	0.002675	95,853	256	95,725	3,498,881	36.5
46-47	0.002874	95,597	275	95,459	3,403,156	35.6
47-48	0.003106	95,322	296	95,174	3,307,697	34.7
48-49	0.003366	95,026	320	94,866	3,212,523	33.8
49-50	0.003641	94,706	345	94,534	3,117,656	32.9
50-51	0.003924	94,361	370	94,176	3,023,123	32.0
51-52	0.004222	93,991	397	93,793	2,928,946	31.2
52-53	0.004541	93,594	425	93,382	2,835,154	30.3
53-54	0.004891	93,169	456	92,941	2,741,772	29.4
54-55	0.005277	92,714	489	92,469	2,648,830	28.6
55-56	0.005670	92,224	523	91,963	2,556,361	27.7
56-57	0.006086	91,701	558	91,422	2,464,398	26.9
57-58	0.006566	91,143	598	90,844	2,372,976	26.0
58-59	0.007122	90,545	645	90,223	2,282,132	25.2
59-60	0.007730	89,900	695	89,553	2,191,909	24.4
60-61	0.008382	89,205	748	88,831	2,102,357	23.6
61-62	0.009040	88,457	800	88,058	2,013,525	22.8
62-63	0.009676	87,658	848	87,234	1,925,468	22.0
63-64	0.010289	86,810	893	86,363	1,838,234	21.2
64-65	0.010920	85,916	938	85,447	1,751,871	20.4
65-66	0.011591	84,978	985	84,486	1,666,424	19.6
66-67	0.012499	83,993	1,050	83,468	1,581,938	18.8
67-68	0.013514	82,943	1,121	82,383	1,498,470	18.1
68-69	0.014709	81,823	1,203	81,221	1,416,087	17.3
69-70	0.016063	80,619	1,295	79,972	1,334,866	16.6
70-71	0.017541	79,324	1,391	78,628	1,254,894	15.8
71-72	0.019155	77,933	1,493	77,186	1,176,266	15.1
72-73	0.020984	76,440	1,604	75,638	1,099,080	14.4
73-74	0.023099	74,836	1,729	73,972	1,023,442	13.7
74-75	0.025570	73,107	1,869	72,173	949,470	13.0
75-76	0.028402	71,238	2,023	70,226	877,297	12.3
76-77	0.031582	69,215	2,186	68,122	807,071	11.7
77-78	0.035125	67,029	2,354	65,852	738,949	11.0
78-79	0.039004	64,674	2,523	63,413	673,098	10.4
79-80	0.043220	62,152	2,686	60,809	609,684	9.8
80-81	0.047761	59,466	2,840	58,046	548,876	9.2
81-82	0.052688	56,626	2,983	55,134	490,830	8.7
82-83	0.058224	53,642	3,123	52,080	435,696	8.1
83-84	0.064576	50,519	3,262	48,888	383,616	7.6
84-85	0.072032	47,257	3,404	45,555	334,728	7.1
85-86	0.081082	43,853	3,556	42,075	289,174	6.6
86-87	0.090886	40,297	3,662	38,466	247,099	6.1
87-88	0.102488	36,634	3,755	34,757	208,633	5.7
88-89	0.114482	32,880	3,764	30,998	173,876	5.3
89-90	0.127562	29,116	3,714	27,259	142,878	4.9

Table PA-3. Life table for females: Pennsylvania, 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	0.141752	25,402	3,601	23,601	115,620	4.6
91-92	0.157062	21,801	3,424	20,089	92,018	4.2
92-93	0.173478	18,377	3,188	16,783	71,929	3.9
93-94	0.190967	15,189	2,901	13,739	55,147	3.6
94-95	0.209471	12,288	2,574	11,001	41,408	3.4
95-96	0.228904	9,714	2,224	8,602	30,407	3.1
96-97	0.249158	7,491	1,866	6,557	21,804	2.9
97-98	0.270098	5,624	1,519	4,865	15,247	2.7
98-99	0.291570	4,105	1,197	3,507	10,382	2.5
99-100	0.313399	2,908	911	2,453	6,876	2.4
100 and older	1.000000	1,997	1,997	4,423	4,423	2.2

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