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U.S. State Life Tables, 2018. National Vital Statistics Report Volume 70, Number 1. 18pp.  
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Table PA-2. Life table for males: Pennsylvania, 2018

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	0.006658	100,000	666	99,393	7,548,172	75.5
1-2	0.000390	99,334	39	99,315	7,448,779	75.0
2-3	0.000293	99,295	29	99,281	7,349,464	74.0
3-4	0.000139	99,266	14	99,259	7,250,183	73.0
4-5	0.000166	99,252	16	99,244	7,150,924	72.0
5-6	0.000149	99,236	15	99,229	7,051,680	71.1
6-7	0.000130	99,221	13	99,215	6,952,451	70.1
7-8	0.000116	99,208	12	99,203	6,853,236	69.1
8-9	0.000107	99,197	11	99,191	6,754,034	68.1
9-10	0.000105	99,186	10	99,181	6,654,843	67.1
10-11	0.000113	99,176	11	99,170	6,555,662	66.1
11-12	0.000133	99,165	13	99,158	6,456,492	65.1
12-13	0.000168	99,151	17	99,143	6,357,334	64.1
13-14	0.000222	99,135	22	99,124	6,258,191	63.1
14-15	0.000291	99,113	29	99,098	6,159,067	62.1
15-16	0.000365	99,084	36	99,066	6,059,969	61.2
16-17	0.000451	99,048	45	99,025	5,960,903	60.2
17-18	0.000567	99,003	56	98,975	5,861,878	59.2
18-19	0.000723	98,947	72	98,911	5,762,903	58.2
19-20	0.000912	98,875	90	98,830	5,663,992	57.3
20-21	0.001115	98,785	110	98,730	5,565,161	56.3
21-22	0.001316	98,675	130	98,610	5,466,431	55.4
22-23	0.001509	98,545	149	98,471	5,367,821	54.5
23-24	0.001677	98,397	165	98,314	5,269,350	53.6
24-25	0.001820	98,231	179	98,142	5,171,036	52.6
25-26	0.001954	98,053	192	97,957	5,072,894	51.7
26-27	0.002079	97,861	203	97,759	4,974,938	50.8
27-28	0.002182	97,658	213	97,551	4,877,178	49.9
28-29	0.002261	97,444	220	97,334	4,779,627	49.0
29-30	0.002325	97,224	226	97,111	4,682,293	48.2
30-31	0.002380	96,998	231	96,883	4,585,182	47.3
31-32	0.002433	96,767	235	96,650	4,488,299	46.4
32-33	0.002464	96,532	238	96,413	4,391,650	45.5
33-34	0.002554	96,294	246	96,171	4,295,237	44.6
34-35	0.002622	96,048	252	95,922	4,199,066	43.7
35-36	0.002701	95,796	259	95,667	4,103,143	42.8
36-37	0.002776	95,538	265	95,405	4,007,476	41.9
37-38	0.002824	95,272	269	95,138	3,912,071	41.1
38-39	0.002834	95,003	269	94,869	3,816,934	40.2
39-40	0.002822	94,734	267	94,600	3,722,065	39.3
40-41	0.002816	94,467	266	94,334	3,627,465	38.4
41-42	0.002842	94,201	268	94,067	3,533,131	37.5
42-43	0.002907	93,933	273	93,796	3,439,064	36.6
43-44	0.003022	93,660	283	93,518	3,345,268	35.7
44-45	0.003178	93,377	297	93,228	3,251,749	34.8

Table PA-2. Life table for males: Pennsylvania, 2018

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	0.003362	93,080	313	92,924	3,158,521	33.9
46-47	0.003574	92,767	332	92,601	3,065,597	33.0
47-48	0.003826	92,436	354	92,259	2,972,996	32.2
48-49	0.004131	92,082	380	91,892	2,880,737	31.3
49-50	0.004492	91,702	412	91,496	2,788,845	30.4
50-51	0.004876	91,290	445	91,067	2,697,349	29.5
51-52	0.005301	90,845	482	90,604	2,606,282	28.7
52-53	0.005823	90,363	526	90,100	2,515,678	27.8
53-54	0.006450	89,837	579	89,547	2,425,578	27.0
54-55	0.007142	89,258	638	88,939	2,336,031	26.2
55-56	0.007854	88,620	696	88,272	2,247,092	25.4
56-57	0.008555	87,924	752	87,548	2,158,820	24.6
57-58	0.009254	87,172	807	86,768	2,071,272	23.8
58-59	0.009950	86,365	859	85,935	1,984,504	23.0
59-60	0.010655	85,506	911	85,050	1,898,568	22.2
60-61	0.011403	84,595	965	84,112	1,813,518	21.4
61-62	0.012184	83,630	1,019	83,121	1,729,406	20.7
62-63	0.012974	82,611	1,072	82,075	1,646,285	19.9
63-64	0.013780	81,539	1,124	80,978	1,564,209	19.2
64-65	0.014639	80,416	1,177	79,827	1,483,232	18.4
65-66	0.015562	79,239	1,233	78,622	1,403,405	17.7
66-67	0.016770	78,006	1,308	77,351	1,324,783	17.0
67-68	0.018097	76,697	1,388	76,003	1,247,431	16.3
68-69	0.019637	75,309	1,479	74,570	1,171,428	15.6
69-70	0.021410	73,831	1,581	73,040	1,096,858	14.9
70-71	0.023429	72,250	1,693	71,403	1,023,818	14.2
71-72	0.025661	70,557	1,811	69,652	952,414	13.5
72-73	0.028064	68,747	1,929	67,782	882,762	12.8
73-74	0.030640	66,817	2,047	65,794	814,980	12.2
74-75	0.033440	64,770	2,166	63,687	749,187	11.6
75-76	0.036517	62,604	2,286	61,461	685,500	10.9
76-77	0.039940	60,318	2,409	59,113	624,039	10.3
77-78	0.043837	57,909	2,539	56,640	564,925	9.8
78-79	0.048402	55,370	2,680	54,030	508,286	9.2
79-80	0.053650	52,690	2,827	51,277	454,255	8.6
80-81	0.059424	49,863	2,963	48,382	402,978	8.1
81-82	0.065779	46,900	3,085	45,358	354,597	7.6
82-83	0.073070	43,815	3,202	42,215	309,239	7.1
83-84	0.081574	40,614	3,313	38,957	267,024	6.6
84-85	0.091329	37,301	3,407	35,597	228,067	6.1
85-86	0.103691	33,894	3,515	32,137	192,470	5.7
86-87	0.115580	30,380	3,511	28,624	160,333	5.3
87-88	0.128521	26,868	3,453	25,142	131,709	4.9
88-89	0.142536	23,415	3,338	21,746	106,567	4.6
89-90	0.157632	20,078	3,165	18,495	84,821	4.2

Table PA-2. Life table for males: Pennsylvania, 2018

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	0.173796	16,913	2,939	15,443	66,326	3.9
91-92	0.190996	13,973	2,669	12,639	50,883	3.6
92-93	0.209176	11,305	2,365	10,122	38,244	3.4
93-94	0.228256	8,940	2,041	7,920	28,121	3.1
94-95	0.248132	6,899	1,712	6,043	20,202	2.9
95-96	0.268678	5,187	1,394	4,491	14,158	2.7
96-97	0.289748	3,794	1,099	3,244	9,668	2.5
97-98	0.311178	2,694	838	2,275	6,424	2.4
98-99	0.332794	1,856	618	1,547	4,149	2.2
99-100	0.354414	1,238	439	1,019	2,602	2.1
100 and over	1.000000	799	799	1,583	1,583	2.0

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

Table PA-3. Life table for females: Pennsylvania, 2018

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	0.005151	100,000	515	99,538	8,079,130	80.8
1-2	0.000380	99,485	38	99,466	7,979,592	80.2
2-3	0.000234	99,447	23	99,435	7,880,126	79.2
3-4	0.000219	99,424	22	99,413	7,780,690	78.3
4-5	0.000014	99,402	1	99,401	7,681,277	77.3
5-6	0.000112	99,401	11	99,395	7,581,876	76.3
6-7	0.000097	99,389	10	99,385	7,482,481	75.3
7-8	0.000088	99,380	9	99,375	7,383,097	74.3
8-9	0.000087	99,371	9	99,367	7,283,721	73.3
9-10	0.000094	99,362	9	99,358	7,184,355	72.3
10-11	0.000107	99,353	11	99,348	7,084,997	71.3
11-12	0.000122	99,342	12	99,336	6,985,649	70.3
12-13	0.000137	99,330	14	99,323	6,886,313	69.3
13-14	0.000149	99,317	15	99,309	6,786,990	68.3
14-15	0.000161	99,302	16	99,294	6,687,681	67.3
15-16	0.000173	99,286	17	99,277	6,588,387	66.4
16-17	0.000192	99,269	19	99,259	6,489,110	65.4
17-18	0.000229	99,250	23	99,238	6,389,851	64.4
18-19	0.000287	99,227	28	99,213	6,290,612	63.4
19-20	0.000362	99,198	36	99,180	6,191,400	62.4
20-21	0.000447	99,162	44	99,140	6,092,219	61.4
21-22	0.000528	99,118	52	99,092	5,993,079	60.5
22-23	0.000601	99,066	60	99,036	5,893,987	59.5
23-24	0.000658	99,006	65	98,974	5,794,951	58.5
24-25	0.000701	98,941	69	98,906	5,695,977	57.6
25-26	0.000740	98,872	73	98,835	5,597,071	56.6
26-27	0.000782	98,799	77	98,760	5,498,236	55.7
27-28	0.000828	98,721	82	98,680	5,399,476	54.7
28-29	0.000880	98,640	87	98,596	5,300,796	53.7
29-30	0.000939	98,553	93	98,506	5,202,200	52.8
30-31	0.001001	98,460	99	98,411	5,103,693	51.8
31-32	0.001062	98,362	104	98,309	5,005,282	50.9
32-33	0.001108	98,257	109	98,203	4,906,973	49.9
33-34	0.001162	98,148	114	98,091	4,808,770	49.0
34-35	0.001199	98,034	118	97,975	4,710,679	48.1
35-36	0.001240	97,917	121	97,856	4,612,703	47.1
36-37	0.001287	97,795	126	97,732	4,514,847	46.2
37-38	0.001334	97,670	130	97,604	4,417,115	45.2
38-39	0.001383	97,539	135	97,472	4,319,511	44.3
39-40	0.001439	97,404	140	97,334	4,222,039	43.3
40-41	0.001508	97,264	147	97,191	4,124,705	42.4
41-42	0.001595	97,117	155	97,040	4,027,514	41.5
42-43	0.001697	96,962	165	96,880	3,930,474	40.5
43-44	0.001809	96,798	175	96,710	3,833,594	39.6
44-45	0.001929	96,623	186	96,530	3,736,883	38.7

Table PA-3. Life table for females: Pennsylvania, 2018

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	0.002061	96,436	199	96,337	3,640,354	37.7
46-47	0.002210	96,238	213	96,131	3,544,017	36.8
47-48	0.002376	96,025	228	95,911	3,447,885	35.9
48-49	0.002566	95,797	246	95,674	3,351,974	35.0
49-50	0.002784	95,551	266	95,418	3,256,300	34.1
50-51	0.003013	95,285	287	95,142	3,160,882	33.2
51-52	0.003264	94,998	310	94,843	3,065,741	32.3
52-53	0.003568	94,688	338	94,519	2,970,898	31.4
53-54	0.003929	94,350	371	94,165	2,876,379	30.5
54-55	0.004324	93,979	406	93,776	2,782,214	29.6
55-56	0.004733	93,573	443	93,352	2,688,438	28.7
56-57	0.005138	93,130	478	92,891	2,595,086	27.9
57-58	0.005538	92,652	513	92,395	2,502,195	27.0
58-59	0.005934	92,139	547	91,865	2,409,800	26.2
59-60	0.006339	91,592	581	91,302	2,317,934	25.3
60-61	0.006777	91,011	617	90,703	2,226,633	24.5
61-62	0.007249	90,395	655	90,067	2,135,930	23.6
62-63	0.007747	89,739	695	89,392	2,045,863	22.8
63-64	0.008281	89,044	737	88,675	1,956,471	22.0
64-65	0.008874	88,307	784	87,915	1,867,796	21.2
65-66	0.009530	87,523	834	87,106	1,779,881	20.3
66-67	0.010353	86,689	897	86,240	1,692,775	19.5
67-68	0.011309	85,792	970	85,306	1,606,535	18.7
68-69	0.012449	84,821	1,056	84,293	1,521,228	17.9
69-70	0.013774	83,765	1,154	83,189	1,436,935	17.2
70-71	0.015280	82,612	1,262	81,980	1,353,746	16.4
71-72	0.016943	81,349	1,378	80,660	1,271,766	15.6
72-73	0.018750	79,971	1,499	79,221	1,191,106	14.9
73-74	0.020728	78,472	1,627	77,658	1,111,884	14.2
74-75	0.022936	76,845	1,762	75,964	1,034,226	13.5
75-76	0.025384	75,083	1,906	74,130	958,262	12.8
76-77	0.028072	73,177	2,054	72,150	884,133	12.1
77-78	0.031074	71,122	2,210	70,017	811,983	11.4
78-79	0.034547	68,912	2,381	67,722	741,966	10.8
79-80	0.038585	66,532	2,567	65,248	674,244	10.1
80-81	0.043094	63,965	2,757	62,586	608,996	9.5
81-82	0.048138	61,208	2,946	59,735	546,409	8.9
82-83	0.053916	58,262	3,141	56,691	486,675	8.4
83-84	0.060533	55,120	3,337	53,452	429,984	7.8
84-85	0.068258	51,784	3,535	50,016	376,532	7.3
85-86	0.076078	48,249	3,671	46,414	326,515	6.8
86-87	0.085934	44,578	3,831	42,663	280,101	6.3
87-88	0.096857	40,748	3,947	38,774	237,438	5.8
88-89	0.108908	36,801	4,008	34,797	198,664	5.4
89-90	0.122138	32,793	4,005	30,790	163,867	5.0

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	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)	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
90-91	0.136580	28,788	3,932	26,822	133,077	4.6
91-92	0.152253	24,856	3,784	22,964	106,255	4.3
92-93	0.169151	21,071	3,564	19,289	83,291	4.0
93-94	0.187241	17,507	3,278	15,868	64,002	3.7
94-95	0.206464	14,229	2,938	12,760	48,134	3.4
95-96	0.226726	11,291	2,560	10,011	35,373	3.1
96-97	0.247906	8,731	2,165	7,649	25,362	2.9
97-98	0.269851	6,567	1,772	5,681	17,713	2.7
98-99	0.292381	4,795	1,402	4,094	12,032	2.5
99-100	0.315299	3,393	1,070	2,858	7,939	2.3
100 and over	1.000000	2,323	2,323	5,081	5,081	2.2

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.