

Pennsylvania Vital Statistics 2022

October 2024



pennsylvania
DEPARTMENT OF HEALTH

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Table A-1
Population* in Pennsylvania, 1950-2022

Year	Population	Year	Population	Year	Population
2022	12,972,008	1997	12,019,661	1972	11,926,000
2021	12,964,056	1996	12,056,112	1971	11,879,000
2020	12,989,625	1995	12,071,842	1970	11,793,909
2019	12,801,989	1994	12,052,410	1969	11,803,000
2018	12,807,060	1993	12,030,079	1968	11,755,400
2017	12,805,537	1992	11,995,405	1967	11,646,000
2016	12,784,227	1991	11,961,070	1966	11,637,900
2015	12,802,503	1990	11,881,643	1965	11,535,200
2014	12,787,209	1989	12,040,102	1964	11,459,000
2013	12,773,801	1988	12,002,236	1963	11,424,000
2012	12,763,536	1987	11,936,396	1962	11,376,000
2011	12,742,886	1986	11,889,165	1961	11,468,000
2010	12,702,379	1985	11,863,672	1960	11,319,366
2009	12,604,767	1984	11,900,701	1959	11,323,000
2008	12,448,279	1983	11,894,700	1958	11,101,000
2007	12,432,792	1982	11,885,330	1957	11,166,000
2006	12,440,621	1981	11,870,960	1956	11,132,000
2005	12,429,616	1980	11,863,895	1955	11,132,000
2004	12,406,292	1979	11,730,500	1954	10,895,800
2003	12,365,455	1978	11,749,900	1953	10,829,100
2002	12,335,091	1977	11,785,200	1952	10,733,700
2001	12,287,150	1976	11,862,000	1951	10,594,900
2000	12,281,054	1975	11,828,200	1950	10,498,012
1999	11,994,016	1974	11,835,400		
1998	12,001,451	1973	11,902,000		

* 1950, 1960, 1970, 1980, 1990, 2000 and 2010 populations as enumerated by the U.S. Bureau of the Census. The 1981 through 1989, 1991 through 1999, 2001 through 2009, 2011 through 2020 estimated populations as prepared by the State Data Center of the Pennsylvania State University at Harrisburg. Estimated populations for all other years as prepared by the Pennsylvania Office of State Planning and Development.

Figure A-1
Population, Percent by Age Group
Pennsylvania, 1950, 1960, 1970, 1980, 1990, 2000, 2010, 2020, and 2022

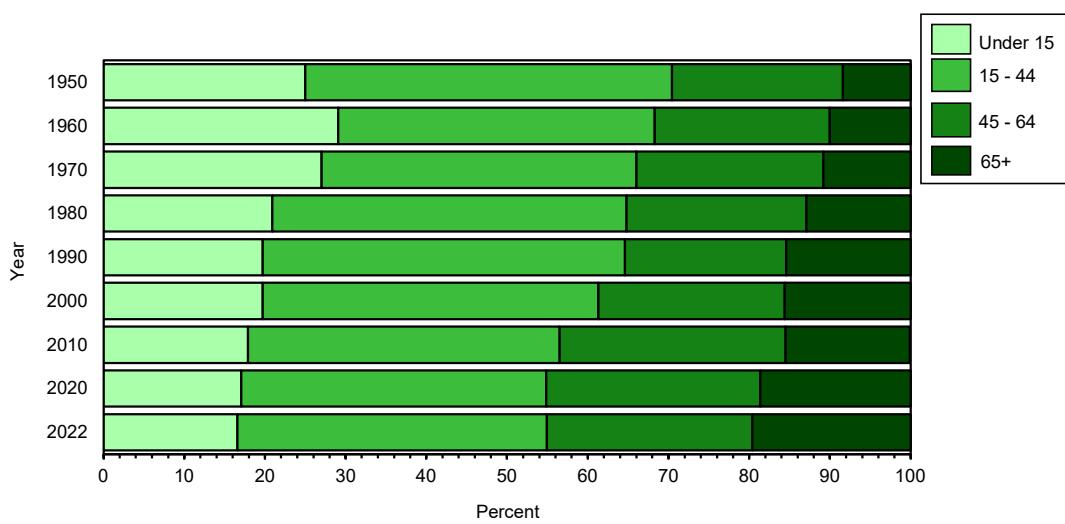


Table A-2
Population by Age, Race, and Hispanic Origin
Pennsylvania, 2022

Age Group (In Years)	Race					Hispanic Origin
	All Races	White	Black	Asian/ Pacific Islander	Multi-Race	
All Ages	12,972,008	10,479,634	1,582,451	544,690	307,282	1,116,130
Under 1 Year	131,028	100,500	19,614	6,615	4,012	17,717
1 - 4	540,177	382,285	88,938	26,650	36,501	85,278
5 - 9	722,469	524,297	115,368	37,169	40,085	103,879
10 - 14	756,526	560,126	117,603	34,005	40,344	102,508
15 - 19	833,463	636,865	118,367	38,098	36,031	100,204
20 - 24	841,180	643,288	123,305	40,675	29,782	95,981
25 - 29	806,508	615,684	122,841	39,758	24,105	86,819
30 - 34	875,506	671,746	131,867	47,751	19,866	88,686
35 - 39	834,213	661,011	106,037	48,338	14,788	83,083
40 - 44	785,498	628,906	96,925	43,294	12,761	77,047
45 - 49	721,085	584,822	84,961	37,929	10,291	64,526
50 - 54	816,432	678,924	90,890	34,270	9,364	55,706
55 - 59	864,931	735,977	89,822	28,336	7,890	47,458
60 - 64	901,066	783,215	84,574	23,900	6,706	36,935
65 - 69	813,996	717,464	68,715	20,092	5,572	26,891
70 - 74	655,049	583,490	50,713	15,528	3,788	18,133
75 - 79	466,673	420,801	32,124	10,339	2,425	12,010
80 - 84	295,807	267,033	20,181	6,442	1,547	6,824
85 and Over	310,401	283,200	19,606	5,501	1,424	6,445

Source: 2022 estimated population as prepared by the State Data Center of the Pennsylvania State University at Harrisburg.

Notes: Hispanic origin can be of any race. See Technical Notes for more information on racial categories.

Table A-3
Population by Age and Sex: Pennsylvania, 2020 and 2022

Age Group (In Years)	Both Sexes		Male		Female	
	2022 Estimated Population	2020 Enumerated Population	2022 Estimated Population	2020 Enumerated Population	2022 Estimated Population	2020 Enumerated Population
All Ages	12,972,008	12,989,625	6,405,343	6,410,245	6,566,665	6,579,380
Under 1 Year	131,028	129,694	67,236	66,339	63,792	63,355
1 - 4	540,177	566,246	275,859	289,969	264,318	276,277
5 - 9	722,469	737,159	369,638	377,288	352,831	359,871
10 - 14	756,526	787,549	388,284	404,295	368,242	383,254
15 - 19	833,463	823,486	423,720	419,725	409,743	403,761
20 - 24	841,180	793,694	427,013	402,344	414,167	391,350
25 - 29	806,508	837,930	412,917	426,493	393,591	411,437
30 - 34	875,506	872,696	446,292	443,041	429,214	429,655
35 - 39	834,213	821,993	424,298	416,185	409,915	405,808
40 - 44	785,498	757,413	396,483	379,989	389,015	377,424
45 - 49	721,085	767,324	362,545	385,103	358,540	382,221
50 - 54	816,432	839,686	410,348	419,097	406,084	420,589
55 - 59	864,931	920,283	428,184	454,024	436,747	466,259
60 - 64	901,066	917,363	440,688	448,395	460,378	468,968
65 - 69	813,996	789,207	391,612	379,490	422,384	409,717
70 - 74	655,049	630,076	306,305	294,759	348,744	335,317
75 - 79	466,673	419,441	209,124	186,558	257,549	232,883
80 - 84	295,807	278,463	122,128	115,664	173,679	162,799
85 and Over	310,401	299,922	102,669	101,487	207,732	198,435

Source: 2020 population enumerated by the U.S. Bureau of the Census. 2022 estimated population as prepared by the State Data Center of the Pennsylvania State University at Harrisburg.

Figure A-2
Population by Age and Sex
Pennsylvania, 2022

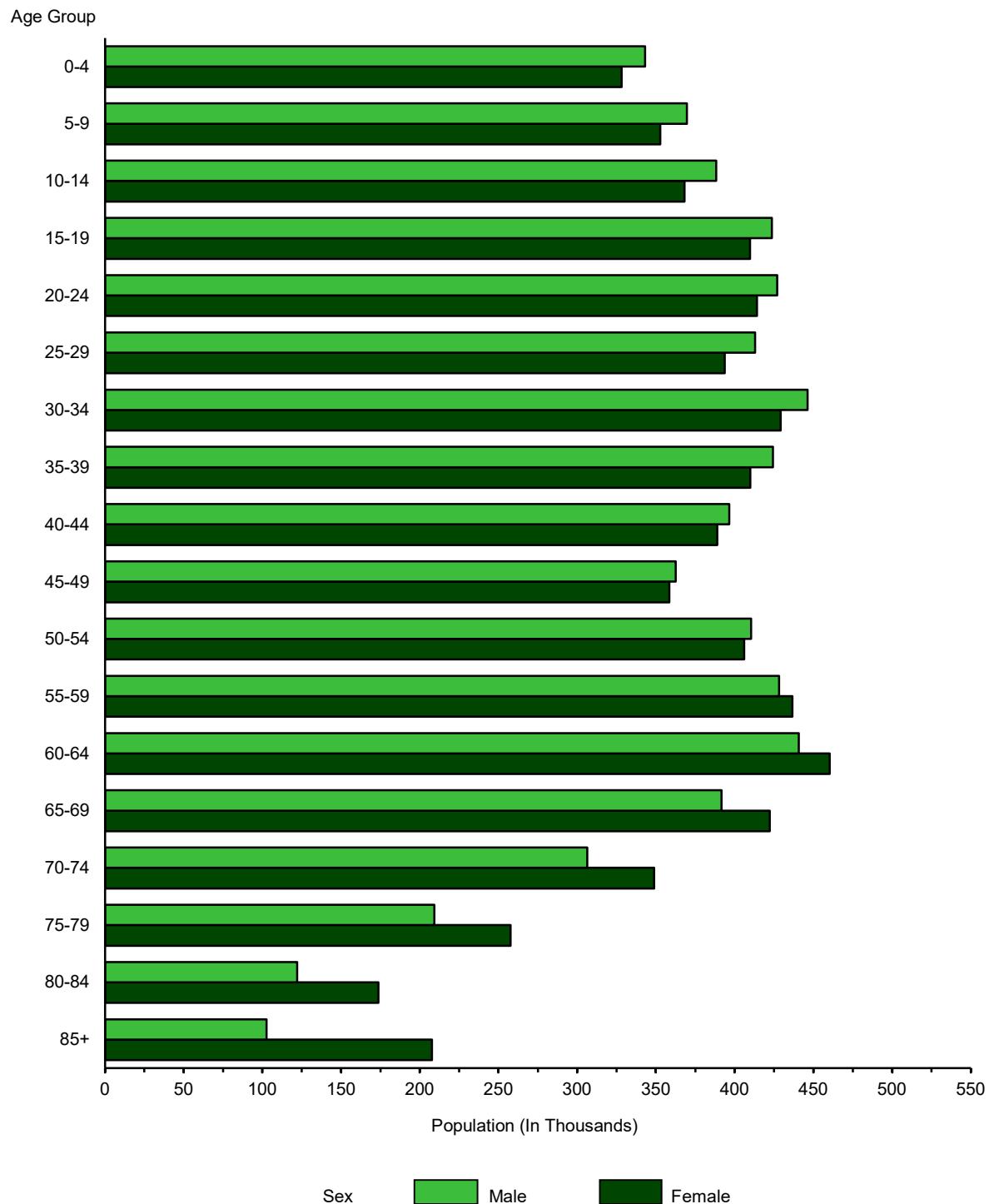


Table A-4
Population by County: Pennsylvania, 2020 and 2022

County	2022 Estimated Population	2020 Enumerated Population	Percent Change 2020-2022	County	2022 Estimated Population	2020 Enumerated Population	Percent Change 2020-2022
Pennsylvania	12,972,008	12,989,625	-0.1	Lackawanna	215,615	215,516	0.0
Adams	106,027	103,795	2.2	Lancaster	556,629	552,597	0.7
Allegheny	1,233,253	1,248,717	-1.2	Lawrence	84,849	85,865	-1.2
Armstrong	64,747	65,445	-1.1	Lebanon	144,011	143,242	0.5
Beaver	165,677	167,732	-1.2	Lehigh	376,317	374,504	0.5
Bedford	47,418	47,523	-0.2	Luzerne	326,369	325,057	0.4
Berks	430,449	428,694	0.4	Lycoming	113,104	113,980	-0.8
Blair	121,032	122,518	-1.2	McKean	39,866	40,306	-1.1
Bradford	59,866	59,858	0.0	Mercer	109,220	110,333	-1.0
Bucks	645,054	646,008	-0.1	Mifflin	45,988	46,073	-0.2
Butler	197,300	193,851	1.8	Monroe	167,198	168,248	-0.6
Cambria	131,441	132,957	-1.1	Montgomery	864,683	856,947	0.9
Cameron	4,418	4,519	-2.2	Montour	18,091	18,115	-0.1
Carbon	65,460	64,751	1.1	Northampton	318,526	312,855	1.8
Centre	158,425	157,929	0.3	Northumberland	90,133	91,471	-1.5
Chester	545,823	534,645	2.1	Perry	46,114	45,821	0.6
Clarion	37,346	37,178	0.5	Philadelphia	1,567,258	1,601,005	-2.1
Clearfield	77,904	80,394	-3.1	Pike	60,558	58,591	3.4
Clinton	37,931	37,350	1.6	Potter	16,220	16,356	-0.8
Columbia	64,926	64,667	0.4	Schuylkill	143,104	142,777	0.2
Crawford	82,670	83,723	-1.3	Snyder	39,652	39,717	-0.2
Cumberland	268,579	259,996	3.3	Somerset	72,710	73,917	-1.6
Dauphin	288,800	286,544	0.8	Sullivan	5,855	5,838	0.3
Delaware	575,182	576,388	-0.2	Susquehanna	38,074	38,354	-0.7
Elk	30,477	30,927	-1.5	Tioga	41,106	40,969	0.3
Erie	267,689	270,427	-1.0	Union	42,744	42,625	0.3
Fayette	125,755	128,393	-2.1	Venango	49,777	50,275	-1.0
Forest	6,626	6,952	-4.7	Warren	37,808	38,480	-1.7
Franklin	156,902	155,874	0.7	Washington	210,383	209,157	0.6
Fulton	14,533	14,549	-0.1	Wayne	51,173	51,101	0.1
Greene	34,663	35,813	-3.2	Westmoreland	352,057	353,998	-0.5
Huntingdon	43,281	44,030	-1.7	Wyoming	26,014	26,001	0.0
Indiana	82,957	83,116	-0.2	York	461,058	456,389	1.0
Jefferson	43,794	44,431	-1.4				
Juniata	23,339	23,451	-0.5				

Source: 2020 population enumerated by the U.S. Bureau of the Census. 2022 estimated population as prepared by the State Data Center of the Pennsylvania State University at Harrisburg.

Figure A-3

**Percent Population Change by County
Pennsylvania, 2020 to 2022**

State Percent = -0.1

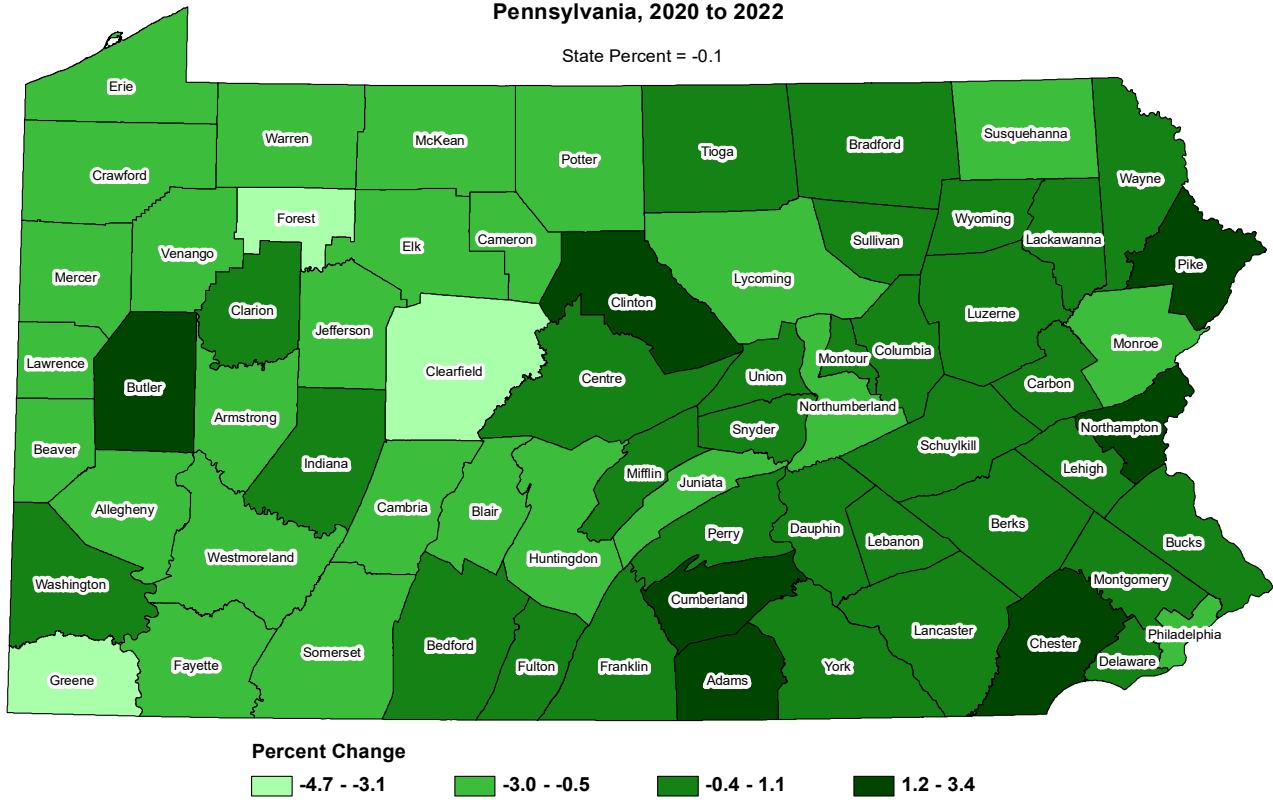


Table A-5A
Total Population by Age and County: Pennsylvania, 2022

County	All Ages	Age Group (In Years)								
		Under 1	1 - 4	5 - 9	10 - 14	15 - 17	18 - 19	20 - 24	25 - 29	
Pennsylvania	12,972,008	131,028	540,177	722,469	756,526	486,942	346,521	841,180	806,508	
Adams	106,027	943	3,851	5,617	5,968	4,295	3,108	7,376	5,539	
Allegheny	1,233,253	12,037	49,049	62,736	63,409	42,899	29,893	77,349	85,944	
Armstrong	64,747	545	2,357	3,278	3,716	2,078	1,366	3,255	3,519	
Beaver	165,677	1,513	6,278	8,854	9,295	5,460	3,608	8,675	9,173	
Bedford	47,418	449	1,929	2,473	2,601	1,488	1,070	2,539	2,468	
Berks	430,449	4,608	18,688	25,520	27,472	17,913	12,186	28,860	26,057	
Blair	121,032	1,161	4,751	6,557	7,194	4,828	3,339	6,701	6,645	
Bradford	59,866	612	2,646	3,687	3,835	2,117	1,305	3,148	3,265	
Bucks	645,054	5,819	23,819	33,780	38,189	23,156	15,657	37,420	34,059	
Butler	197,300	1,682	7,593	10,368	10,779	7,799	5,495	11,634	10,216	
Cambria	131,441	1,140	4,966	6,881	7,296	4,946	3,392	8,242	6,776	
Cameron	4,418	34	136	234	239	109	78	192	206	
Carbon	65,460	545	2,447	3,289	3,635	2,172	1,437	3,388	3,467	
Centre	158,425	1,119	4,401	6,237	6,609	4,675	11,470	27,093	9,667	
Chester	545,823	5,645	23,107	32,277	35,216	22,795	15,545	34,289	30,105	
Clarion	37,346	368	1,412	1,949	1,991	1,782	1,382	3,383	1,922	
Clearfield	77,904	681	2,787	3,928	4,130	2,438	1,620	4,363	4,549	
Clinton	37,931	427	1,587	1,972	2,134	1,692	1,209	3,940	2,292	
Columbia	64,926	560	2,193	3,088	3,313	2,249	3,068	6,825	3,619	
Crawford	82,670	855	3,428	4,593	4,794	3,189	2,160	4,966	4,450	
Cumberland	268,579	2,707	11,315	15,180	15,512	11,189	7,771	18,442	15,977	
Dauphin	288,800	3,249	13,691	17,880	17,941	10,536	6,778	17,883	19,590	
Delaware	575,182	6,523	25,767	34,419	35,890	24,086	16,620	38,992	34,091	
Elk	30,477	255	1,116	1,648	1,675	983	647	1,620	1,595	
Erie	267,689	2,688	11,026	15,225	15,950	11,072	7,568	18,327	16,198	
Fayette	125,755	1,137	5,069	6,643	6,839	3,897	2,684	6,781	7,508	
Forest	6,626	20	51	37	44	38	96	607	701	
Franklin	156,902	1,729	6,773	9,219	9,861	5,807	3,728	8,807	8,943	
Fulton	14,533	136	550	793	811	486	306	788	841	
Greene	34,663	263	1,366	1,876	1,920	1,286	901	2,196	2,021	
Huntingdon	43,281	389	1,539	2,056	2,234	1,604	1,133	2,938	2,541	
Indiana	82,957	751	3,063	3,966	4,230	2,854	4,611	9,686	4,210	
Jefferson	43,794	450	1,885	2,562	2,689	1,474	1,009	2,305	2,367	
Juniata	23,339	284	1,134	1,307	1,432	847	609	1,319	1,232	
Lackawanna	215,615	2,007	8,769	12,140	12,786	8,450	5,686	13,852	12,268	
Lancaster	556,629	7,051	27,125	35,161	35,867	22,180	14,733	35,539	34,869	
Lawrence	84,849	777	3,434	4,624	4,828	2,984	2,077	4,951	4,606	
Lebanon	144,011	1,556	6,428	8,915	9,596	5,549	3,611	8,818	8,006	
Lehigh	376,317	3,875	17,618	23,372	24,060	14,759	9,901	24,971	23,621	
Luzerne	326,369	3,144	14,045	18,079	18,689	11,820	8,511	20,626	19,499	
Lycoming	113,104	1,083	4,834	6,332	6,707	4,477	2,997	7,066	6,478	
McKean	39,866	317	1,448	2,083	2,271	1,608	1,092	2,500	2,277	
Mercer	109,220	1,036	4,237	5,454	5,748	4,013	2,919	7,410	6,005	
Mifflin	45,988	529	2,368	2,815	2,832	1,615	1,040	2,520	2,610	
Monroe	167,198	1,300	6,245	8,365	9,586	6,300	4,414	10,998	9,513	
Montgomery	864,683	8,693	35,939	49,756	53,199	32,355	21,618	50,713	50,391	
Montour	18,091	213	783	984	985	550	452	839	1,069	
Northampton	318,526	2,685	12,110	15,954	17,852	13,706	9,959	23,400	17,859	
Northumberland	90,133	812	3,640	4,806	5,032	2,945	1,888	5,030	5,178	
Perry	46,114	504	1,879	2,721	2,759	1,506	974	2,344	2,564	
Philadelphia	1,567,258	19,205	73,875	93,237	91,283	61,110	41,615	111,394	137,977	
Pike	60,558	447	1,926	2,676	3,116	1,907	1,350	3,151	2,942	
Potter	16,220	148	663	891	941	542	365	817	767	
Schuylkill	143,104	1,207	5,549	7,749	8,412	4,905	3,219	8,009	8,351	
Snyder	39,652	416	1,626	2,252	2,208	1,584	1,738	3,003	1,992	
Somerset	72,710	589	2,797	3,534	3,758	2,197	1,483	3,922	4,027	
Sullivan	5,855	40	117	153	146	94	96	225	248	
Susquehanna	38,074	354	1,431	1,857	2,080	1,201	791	1,952	1,803	
Tioga	41,106	391	1,613	2,182	2,343	1,529	1,115	2,443	2,088	
Union	42,744	361	1,582	2,004	2,079	1,568	2,244	4,006	2,366	
Venango	49,777	418	1,860	2,490	2,755	1,584	1,042	2,504	2,384	
Warren	37,808	339	1,554	2,037	2,151	1,154	800	1,897	1,900	
Washington	210,383	1,869	8,515	11,344	11,739	7,260	5,008	12,212	11,210	
Wayne	51,173	403	1,685	2,333	2,451	1,432	1,017	2,551	2,733	
Westmoreland	352,057	2,835	12,106	17,275	18,767	11,482	7,854	18,737	18,546	
Wyoming	26,014	245	943	1,336	1,408	1,000	659	1,616	1,382	
York	461,058	4,855	19,663	27,429	29,249	17,337	11,404	26,835	27,226	

Source: 2022 estimated population as prepared by the State Data Center of the Pennsylvania State University at Harrisburg.

Table A-5A (Continued)
Total Population by Age and County: Pennsylvania, 2022

County	Age Group (In Years)									
	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 64	65 - 74	75 - 84	85+	
Pennsylvania	875,506	834,213	785,498	721,085	816,432	1,765,997	1,469,045	762,480	310,401	
Adams	6,045	5,797	5,722	5,622	7,104	15,923	13,621	7,122	2,374	
Allegheny	94,901	88,351	75,519	64,378	72,051	163,239	146,263	72,934	32,301	
Armstrong	3,449	3,589	3,671	3,776	4,421	10,189	9,038	4,720	1,780	
Beaver	10,086	10,137	10,009	8,982	10,348	25,325	22,004	11,340	4,590	
Bedford	2,615	2,380	2,599	2,655	3,314	7,485	6,341	3,660	1,352	
Berks	27,733	26,570	25,820	24,319	27,544	58,791	44,851	23,580	9,937	
Blair	7,803	7,123	7,196	6,848	7,740	16,835	15,240	7,980	3,091	
Bradford	3,503	3,296	3,188	3,042	3,717	8,992	7,648	4,460	1,405	
Bucks	35,939	40,235	40,383	38,166	44,850	100,212	77,378	39,563	16,429	
Butler	11,642	12,543	12,236	11,093	13,508	29,648	24,263	12,085	4,716	
Cambria	7,152	6,878	7,193	7,460	8,457	18,896	18,604	9,332	3,830	
Cameron	203	198	209	221	270	801	758	390	140	
Carbon	3,923	3,806	3,811	3,859	4,681	10,279	8,797	4,371	1,553	
Centre	10,095	8,764	8,602	7,771	8,663	17,878	14,754	7,535	3,092	
Chester	32,736	35,782	35,454	33,437	36,644	75,138	56,889	29,600	11,164	
Clarion	2,259	1,914	1,911	1,928	2,304	5,108	4,496	2,322	915	
Clearfield	4,751	4,587	4,641	4,747	5,563	11,871	9,967	5,261	2,020	
Clinton	2,078	1,918	1,971	1,983	2,273	4,895	4,275	2,400	885	
Columbia	3,639	3,504	3,465	3,458	4,005	8,665	7,641	4,079	1,555	
Crawford	4,596	4,531	4,616	4,435	5,339	12,023	10,828	5,916	1,951	
Cumberland	17,924	18,251	17,210	15,396	16,620	33,857	28,914	16,051	6,263	
Dauphin	20,164	18,967	17,796	16,246	17,880	37,524	31,428	15,306	5,941	
Delaware	38,353	39,306	36,600	32,162	35,292	75,924	59,655	28,846	12,656	
Elk	1,478	1,638	1,589	1,630	2,213	5,062	4,186	2,224	918	
Erie	17,704	16,576	15,620	14,336	16,576	35,860	31,540	15,278	6,145	
Fayette	7,586	7,133	7,220	7,426	8,633	18,482	16,951	8,411	3,355	
Forest	586	481	435	398	420	1,028	1,036	512	136	
Franklin	9,860	9,538	9,336	9,232	10,506	21,375	17,952	10,280	3,956	
Fulton	793	768	818	907	1,056	2,221	1,842	1,119	298	
Greene	2,225	1,943	2,071	2,157	2,408	4,765	4,440	2,141	684	
Huntingdon	2,697	2,489	2,526	2,525	2,831	6,061	5,470	3,130	1,118	
Indiana	4,210	4,196	4,269	3,953	4,773	11,017	10,063	5,248	1,857	
Jefferson	2,523	2,554	2,494	2,432	2,829	6,481	5,656	2,920	1,164	
Juniata	1,311	1,321	1,353	1,287	1,554	3,357	2,819	1,601	572	
Lackawanna	13,817	13,376	12,824	12,005	13,788	29,446	25,049	13,670	5,682	
Lancaster	36,771	34,483	31,955	29,217	31,823	70,001	59,518	34,222	16,114	
Lawrence	4,783	4,589	4,869	4,593	5,616	12,245	11,386	5,932	2,555	
Lebanon	8,780	8,635	8,691	8,156	8,650	19,026	16,419	9,223	3,952	
Lehigh	25,331	25,068	24,306	22,147	23,191	47,970	38,043	20,218	7,866	
Luzerne	21,457	20,106	19,384	18,735	21,520	44,878	37,264	20,286	8,326	
Lycoming	7,506	7,115	6,540	5,956	6,887	15,585	13,711	6,962	2,868	
McKean	2,440	2,411	2,244	2,321	2,692	5,793	4,907	2,465	997	
Mercer	5,897	5,925	5,937	6,060	7,057	16,081	14,296	7,781	3,364	
Mifflin	2,716	2,472	2,504	2,410	2,978	6,463	5,492	3,363	1,261	
Monroe	9,875	9,518	9,658	9,862	11,776	26,987	20,407	9,372	3,022	
Montgomery	55,523	59,486	57,100	50,912	56,552	118,198	92,671	49,542	22,035	
Montour	1,297	1,197	1,061	942	1,061	2,651	2,192	1,208	607	
Northampton	19,667	19,421	18,945	18,012	20,373	43,899	36,087	19,739	8,858	
Northumberland	5,509	5,502	5,427	5,083	5,891	13,204	11,610	6,149	2,427	
Perry	2,890	2,777	2,794	2,623	3,250	7,010	5,861	2,771	887	
Philadelphia	150,623	117,361	95,682	80,583	86,272	176,410	137,223	66,419	26,989	
Pike	3,275	3,236	3,440	3,405	4,270	10,826	8,534	4,693	1,364	
Potter	830	797	882	823	1,021	2,539	2,429	1,265	500	
Schuylkill	8,913	8,621	8,732	8,566	9,941	20,634	17,435	9,214	3,647	
Snyder	2,354	2,180	2,119	2,163	2,472	5,274	4,418	2,588	1,265	
Somerset	4,139	4,119	4,313	4,411	4,941	11,034	10,005	5,181	2,260	
Sullivan	295	318	332	316	394	1,187	1,117	581	196	
Susquehanna	1,973	2,083	2,084	1,919	2,550	6,345	5,649	3,026	976	
Tioga	2,314	2,305	2,285	2,099	2,586	6,131	5,478	3,132	1,072	
Union	2,765	2,920	2,536	2,368	2,546	5,193	4,344	2,613	1,249	
Venango	2,636	2,738	2,818	2,791	3,214	8,094	7,437	3,614	1,398	
Warren	1,978	2,026	2,061	1,969	2,545	6,000	5,436	2,931	1,030	
Washington	12,575	12,715	12,812	11,932	13,896	30,830	27,299	13,740	5,427	
Wayne	2,955	2,988	2,904	2,838	3,445	8,295	7,777	4,137	1,229	
Westmoreland	19,735	19,880	20,476	19,465	23,973	54,863	49,805	26,264	9,994	
Wyoming	1,424	1,481	1,497	1,486	1,731	3,811	3,508	1,951	536	
York	29,901	29,300	28,733	26,650	31,143	63,887	50,630	26,511	10,305	

Source: 2022 estimated population as prepared by the State Data Center of the Pennsylvania State University at Harrisburg.

Table A-5B
Male Population by Age and County: Pennsylvania, 2022

County	All Ages	Age of Male (In Years)								
		Under 1	1 - 4	5 - 9	10 - 14	15 - 17	18 - 19	20 - 24	25 - 29	
Pennsylvania	6,405,343	67,236	275,859	369,638	388,284	248,028	175,692	427,013	412,917	
Adams	52,723	492	1,958	2,846	3,079	2,194	1,577	3,780	2,842	
Allegheny	602,519	6,172	25,099	31,995	32,521	21,853	15,064	38,427	43,731	
Armstrong	32,521	297	1,149	1,691	1,894	1,100	710	1,688	1,840	
Beaver	81,286	741	3,264	4,438	4,764	2,824	1,835	4,491	4,721	
Bedford	23,883	221	992	1,288	1,311	779	572	1,325	1,276	
Berks	214,183	2,333	9,714	13,025	14,254	9,155	6,176	14,596	13,562	
Blair	59,915	607	2,446	3,392	3,699	2,494	1,738	3,498	3,414	
Bradford	30,000	304	1,375	1,839	1,965	1,113	688	1,622	1,633	
Bucks	319,572	2,993	12,163	17,226	19,495	11,903	8,104	19,420	17,518	
Butler	98,364	845	3,831	5,355	5,533	3,889	2,649	5,818	5,428	
Cambria	65,626	596	2,504	3,601	3,703	2,488	1,755	4,256	3,602	
Cameron	2,254	19	81	118	121	58	48	90	103	
Carbon	32,929	273	1,237	1,731	1,814	1,114	750	1,779	1,806	
Centre	83,602	560	2,316	3,236	3,504	2,369	5,779	15,185	5,567	
Chester	271,148	2,906	11,684	16,377	18,050	11,451	7,846	17,047	15,659	
Clarion	18,454	179	721	1,043	1,016	837	622	1,648	1,009	
Clearfield	40,643	337	1,365	2,074	2,155	1,265	837	2,508	2,619	
Clinton	18,790	232	792	1,023	1,094	855	557	1,776	1,231	
Columbia	31,540	279	1,089	1,593	1,712	1,101	1,329	3,102	1,892	
Crawford	40,926	441	1,710	2,304	2,519	1,639	1,091	2,560	2,240	
Cumberland	134,168	1,407	5,731	7,764	7,935	5,513	3,767	9,395	8,387	
Dauphin	141,385	1,683	6,981	9,268	9,206	5,317	3,441	8,979	9,739	
Delaware	279,211	3,303	13,370	17,613	18,197	12,209	8,581	19,665	16,886	
Elk	15,547	140	575	843	872	523	338	840	861	
Erie	133,284	1,364	5,743	7,812	8,158	5,608	3,901	9,467	8,453	
Fayette	62,903	590	2,598	3,411	3,539	2,059	1,387	3,518	4,051	
Forest	4,721	9	27	19	20	28	88	565	635	
Franklin	77,511	881	3,328	4,796	5,047	3,032	1,958	4,464	4,533	
Fulton	7,459	84	278	403	431	256	147	421	457	
Greene	18,129	135	688	954	1,018	669	454	1,214	1,205	
Huntingdon	22,944	221	738	999	1,187	779	545	1,579	1,564	
Indiana	41,593	389	1,608	2,090	2,204	1,428	2,079	4,825	2,264	
Jefferson	22,145	232	997	1,298	1,378	763	520	1,225	1,201	
Juniata	11,812	144	593	650	729	430	314	678	661	
Lackawanna	106,081	1,035	4,530	6,252	6,590	4,393	2,945	6,890	6,245	
Lancaster	274,155	3,617	13,915	18,050	18,469	11,366	7,488	17,879	17,579	
Lawrence	41,439	418	1,674	2,350	2,422	1,462	1,060	2,497	2,412	
Lebanon	71,110	782	3,223	4,539	4,857	2,874	1,870	4,490	4,067	
Lehigh	185,894	1,926	8,992	11,915	12,497	7,626	5,044	12,459	11,918	
Luzerne	162,897	1,646	7,076	9,077	9,507	6,141	4,444	10,697	10,339	
Lycoming	55,822	556	2,480	3,176	3,488	2,340	1,574	3,571	3,248	
McKean	20,655	168	753	1,061	1,197	837	576	1,320	1,294	
Mercer	54,138	528	2,196	2,839	2,976	2,082	1,548	3,840	3,162	
Mifflin	22,698	275	1,221	1,374	1,440	810	546	1,286	1,350	
Monroe	84,003	656	3,171	4,304	4,968	3,204	2,257	5,674	5,078	
Montgomery	424,244	4,508	18,513	25,561	27,214	16,309	10,799	24,962	25,903	
Montour	9,003	120	433	510	490	317	274	426	523	
Northampton	158,114	1,381	6,075	8,169	9,215	7,107	5,177	12,418	9,307	
Northumberland	45,620	397	1,905	2,515	2,557	1,548	1,003	2,697	2,806	
Perry	23,446	247	953	1,406	1,450	825	516	1,255	1,331	
Philadelphia	743,580	9,903	37,434	47,561	46,677	30,318	20,486	53,943	66,108	
Pike	30,920	241	1,004	1,350	1,613	1,012	721	1,704	1,555	
Potter	8,179	75	333	469	476	285	193	419	415	
Schuylkill	73,774	601	2,782	4,022	4,339	2,569	1,702	4,412	4,699	
Snyder	19,677	214	802	1,146	1,153	853	856	1,527	1,031	
Somerset	38,050	304	1,480	1,808	1,910	1,153	776	2,209	2,360	
Sullivan	3,002	16	63	85	79	54	64	120	131	
Susquehanna	19,392	176	754	937	1,039	608	427	1,029	1,011	
Tioga	20,699	196	863	1,179	1,242	744	534	1,235	1,036	
Union	22,724	185	794	1,012	1,074	805	1,065	2,192	1,443	
Venango	24,810	209	957	1,296	1,395	832	569	1,262	1,261	
Warren	19,085	178	776	1,033	1,085	602	433	1,020	1,008	
Washington	104,203	967	4,267	5,809	6,035	3,705	2,549	6,251	5,787	
Wayne	27,115	203	899	1,188	1,282	749	551	1,425	1,561	
Westmoreland	174,248	1,462	6,194	8,700	9,629	5,905	4,120	9,695	9,700	
Wyoming	13,119	123	517	669	726	524	349	833	701	
York	229,757	2,514	10,085	14,161	15,069	8,974	5,929	13,925	13,958	

Source: 2022 estimated population as prepared by the State Data Center of the Pennsylvania State University at Harrisburg.

Table A-5B (Continued)
Male Population by Age and County: Pennsylvania, 2022

County	Age of Male (In Years)									
	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 64	65 - 74	75 - 84	85+	
Pennsylvania	446,292	424,298	396,483	362,545	410,348	868,872	697,917	331,252	102,669	
Adams	3,067	2,972	2,935	2,811	3,585	7,896	6,572	3,217	900	
Allegheny	48,252	45,506	38,438	32,290	35,889	78,408	68,202	30,455	10,217	
Armstrong	1,798	1,831	1,851	1,937	2,278	5,193	4,529	2,134	601	
Beaver	5,080	5,161	5,145	4,512	5,170	12,380	10,511	4,787	1,462	
Bedford	1,421	1,202	1,303	1,303	1,706	3,853	3,138	1,706	487	
Berks	14,245	13,415	12,926	12,200	13,829	29,446	21,606	10,370	3,331	
Blair	3,995	3,634	3,653	3,489	3,917	8,331	7,191	3,382	1,035	
Bradford	1,811	1,666	1,600	1,511	1,878	4,540	3,781	2,095	579	
Bucks	18,304	20,292	20,288	19,260	22,553	49,534	37,431	17,480	5,608	
Butler	6,027	6,469	6,290	5,673	6,841	14,876	11,882	5,346	1,612	
Cambria	3,715	3,538	3,710	3,840	4,373	9,543	9,097	4,143	1,162	
Cameron	114	106	110	124	131	406	386	201	38	
Carbon	2,025	1,964	1,977	1,993	2,399	5,137	4,400	2,004	526	
Centre	5,637	4,870	4,784	4,193	4,642	9,127	7,297	3,381	1,155	
Chester	16,590	18,262	18,004	16,944	18,598	37,329	27,343	13,170	3,888	
Clarion	1,165	995	948	963	1,136	2,586	2,206	1,030	350	
Clearfield	2,633	2,620	2,525	2,576	2,967	6,223	4,920	2,342	677	
Clinton	1,160	983	978	994	1,139	2,487	2,045	1,101	343	
Columbia	1,912	1,716	1,766	1,760	2,066	4,291	3,641	1,781	510	
Crawford	2,293	2,272	2,275	2,169	2,643	5,958	5,338	2,704	770	
Cumberland	9,443	9,558	8,992	8,051	8,675	16,725	13,719	6,965	2,141	
Dauphin	10,076	9,548	8,752	8,113	8,952	18,127	14,700	6,599	1,904	
Delaware	18,599	19,281	18,014	15,831	17,277	36,569	27,575	12,099	4,142	
Elk	791	868	822	795	1,159	2,643	2,124	1,024	329	
Erie	9,036	8,413	7,953	7,227	8,362	17,780	15,122	6,838	2,047	
Fayette	4,060	3,806	3,661	3,819	4,392	9,102	8,187	3,629	1,094	
Forest	524	392	343	311	271	600	561	265	63	
Franklin	4,933	4,765	4,659	4,589	5,404	10,618	8,520	4,561	1,423	
Fulton	409	386	429	470	561	1,185	923	495	124	
Greene	1,278	1,093	1,142	1,171	1,284	2,463	2,186	965	210	
Huntingdon	1,638	1,446	1,453	1,470	1,583	3,179	2,705	1,446	412	
Indiana	2,309	2,183	2,244	2,020	2,459	5,545	4,996	2,372	578	
Jefferson	1,314	1,344	1,280	1,261	1,460	3,303	2,803	1,340	426	
Juniata	689	675	706	646	816	1,734	1,419	725	203	
Lackawanna	7,048	6,803	6,507	6,028	6,967	14,429	11,879	5,867	1,673	
Lancaster	18,391	17,410	16,005	14,697	15,972	34,350	28,284	15,182	5,501	
Lawrence	2,514	2,327	2,367	2,316	2,832	6,005	5,461	2,518	804	
Lebanon	4,430	4,352	4,374	4,170	4,429	9,426	7,890	4,077	1,260	
Lehigh	12,824	12,756	12,299	11,126	11,537	23,772	17,874	8,793	2,536	
Luzerne	11,325	10,602	9,973	9,421	10,968	22,604	17,749	8,750	2,578	
Lycoming	3,887	3,558	3,274	2,881	3,407	7,759	6,724	2,963	936	
McKean	1,396	1,379	1,210	1,214	1,402	2,936	2,442	1,128	342	
Mercer	3,043	2,994	3,059	3,119	3,568	7,984	6,867	3,270	1,063	
Mifflin	1,414	1,292	1,242	1,204	1,463	3,276	2,614	1,488	403	
Monroe	5,169	4,874	4,719	4,809	5,821	13,608	10,222	4,341	1,128	
Montgomery	28,350	29,884	28,919	25,506	28,343	57,680	43,571	21,111	7,111	
Montour	683	644	565	471	521	1,283	1,047	526	170	
Northampton	10,040	9,984	9,477	9,017	10,298	21,758	17,130	8,760	2,801	
Northumberland	2,932	2,880	2,843	2,654	3,109	6,616	5,638	2,690	830	
Perry	1,486	1,415	1,478	1,320	1,668	3,618	2,929	1,305	244	
Philadelphia	73,423	57,215	45,328	38,296	40,968	81,816	59,681	26,013	8,410	
Pike	1,755	1,697	1,805	1,675	2,148	5,523	4,315	2,236	566	
Potter	419	413	453	408	530	1,277	1,241	608	165	
Schuylkill	5,031	4,702	4,708	4,693	5,231	10,556	8,533	4,064	1,130	
Snyder	1,187	1,112	1,102	1,070	1,272	2,676	2,185	1,126	365	
Somerset	2,366	2,310	2,432	2,428	2,690	5,671	5,049	2,317	787	
Sullivan	161	162	174	169	216	597	557	292	62	
Susquehanna	1,032	1,075	1,049	981	1,342	3,241	2,850	1,478	363	
Tioga	1,202	1,164	1,176	1,054	1,315	3,025	2,767	1,491	476	
Union	1,752	1,783	1,528	1,361	1,410	2,698	2,099	1,132	391	
Venango	1,342	1,364	1,410	1,488	1,606	4,061	3,667	1,639	452	
Warren	1,034	1,025	1,056	992	1,302	3,084	2,700	1,366	391	
Washington	6,455	6,501	6,570	6,090	6,983	15,252	13,049	6,146	1,787	
Wayne	1,747	1,677	1,662	1,592	1,900	4,281	3,891	2,042	465	
Westmoreland	10,127	10,197	10,558	9,836	12,062	27,167	23,971	11,543	3,382	
Wyoming	754	767	761	752	868	1,896	1,732	968	179	
York	15,230	14,748	14,444	13,391	15,805	31,830	24,253	11,870	3,571	

Source: 2022 estimated population as prepared by the State Data Center of the Pennsylvania State University at Harrisburg.

Table A-5C
Female Population by Age and County: Pennsylvania, 2022

County	All Ages	Age of Female (In Years)								
		Under 1	1 - 4	5 - 9	10 - 14	15 - 17	18 - 19	20 - 24	25 - 29	
Pennsylvania	6,566,665	63,792	264,318	352,831	368,242	238,914	170,829	414,167	393,591	
Adams	53,304	451	1,893	2,771	2,889	2,101	1,531	3,596	2,697	
Allegheny	630,734	5,865	23,950	30,741	30,888	21,046	14,829	38,922	42,213	
Armstrong	32,226	248	1,208	1,587	1,822	978	656	1,567	1,679	
Beaver	84,391	772	3,014	4,416	4,531	2,636	1,773	4,184	4,452	
Bedford	23,535	228	937	1,185	1,290	709	498	1,214	1,192	
Berks	216,266	2,275	8,974	12,495	13,218	8,758	6,010	14,264	12,495	
Blair	61,117	554	2,305	3,165	3,495	2,334	1,601	3,203	3,231	
Bradford	29,866	308	1,271	1,848	1,870	1,004	617	1,526	1,632	
Bucks	325,482	2,826	11,656	16,554	18,694	11,253	7,553	18,000	16,541	
Butler	98,936	837	3,762	5,013	5,246	3,910	2,846	5,816	4,788	
Cambria	65,815	544	2,462	3,280	3,593	2,458	1,637	3,986	3,174	
Cameron	2,164	15	55	116	118	51	30	102	103	
Carbon	32,531	272	1,210	1,558	1,821	1,058	687	1,609	1,661	
Centre	74,823	559	2,085	3,001	3,105	2,306	5,691	11,908	4,100	
Chester	274,675	2,739	11,423	15,900	17,166	11,344	7,699	17,242	14,446	
Clarion	18,892	189	691	906	975	945	760	1,735	913	
Clearfield	37,261	344	1,422	1,854	1,975	1,173	783	1,855	1,930	
Clinton	19,141	195	795	949	1,040	837	652	2,164	1,061	
Columbia	33,386	281	1,104	1,495	1,601	1,148	1,739	3,723	1,727	
Crawford	41,744	414	1,718	2,289	2,275	1,550	1,069	2,406	2,210	
Cumberland	134,411	1,300	5,584	7,416	7,577	5,676	4,004	9,047	7,590	
Dauphin	147,415	1,566	6,710	8,612	8,735	5,219	3,337	8,904	9,851	
Delaware	295,971	3,220	12,397	16,806	17,693	11,877	8,039	19,327	17,205	
Elk	14,930	115	541	805	803	460	309	780	734	
Erie	134,405	1,324	5,283	7,413	7,792	5,464	3,667	8,860	7,745	
Fayette	62,852	547	2,471	3,232	3,300	1,838	1,297	3,263	3,457	
Forest	1,905	11	24	18	24	10	8	42	66	
Franklin	79,391	848	3,445	4,423	4,814	2,775	1,770	4,343	4,410	
Fulton	7,074	52	272	390	380	230	159	367	384	
Greene	16,534	128	678	922	902	617	447	982	816	
Huntingdon	20,337	168	801	1,057	1,047	825	588	1,359	977	
Indiana	41,364	362	1,455	1,876	2,026	1,426	2,532	4,861	1,946	
Jefferson	21,649	218	888	1,264	1,311	711	489	1,080	1,166	
Juniata	11,527	140	541	657	703	417	295	641	571	
Lackawanna	109,534	972	4,239	5,888	6,196	4,057	2,741	6,962	6,023	
Lancaster	282,474	3,434	13,210	17,111	17,398	10,814	7,245	17,660	17,290	
Lawrence	43,410	359	1,760	2,274	2,406	1,522	1,017	2,454	2,194	
Lebanon	72,901	774	3,205	4,376	4,739	2,675	1,741	4,328	3,939	
Lehigh	190,423	1,949	8,626	11,457	11,563	7,133	4,857	12,512	11,703	
Luzerne	163,472	1,498	6,969	9,002	9,182	5,679	4,067	9,929	9,160	
Lycoming	57,282	527	2,354	3,156	3,219	2,137	1,423	3,495	3,230	
McKean	19,211	149	695	1,022	1,074	771	516	1,180	983	
Mercer	55,082	508	2,041	2,615	2,772	1,931	1,371	3,570	2,843	
Mifflin	23,290	254	1,147	1,441	1,392	805	494	1,234	1,260	
Monroe	83,195	644	3,074	4,061	4,618	3,096	2,157	5,324	4,435	
Montgomery	440,439	4,185	17,426	24,195	25,985	16,046	10,819	25,751	24,488	
Montour	9,088	93	350	474	495	233	178	413	546	
Northampton	160,412	1,304	6,035	7,785	8,637	6,599	4,782	10,982	8,552	
Northumberland	44,513	415	1,735	2,291	2,475	1,397	885	2,333	2,372	
Perry	22,668	257	926	1,315	1,309	681	458	1,089	1,233	
Philadelphia	823,678	9,302	36,441	45,676	44,606	30,792	21,129	57,451	71,869	
Pike	29,638	206	922	1,326	1,503	895	629	1,447	1,387	
Potter	8,041	73	330	422	465	257	172	398	352	
Schuylkill	69,330	606	2,767	3,727	4,073	2,336	1,517	3,597	3,652	
Snyder	19,975	202	824	1,106	1,055	731	882	1,476	961	
Somerset	34,660	285	1,317	1,726	1,848	1,044	707	1,713	1,667	
Sullivan	2,853	24	54	68	67	40	32	105	117	
Susquehanna	18,682	178	677	920	1,041	593	364	923	792	
Tioga	20,407	195	750	1,003	1,101	785	581	1,208	1,052	
Union	20,020	176	788	992	1,005	763	1,179	1,814	923	
Venango	24,967	209	903	1,194	1,360	752	473	1,242	1,123	
Warren	18,723	161	778	1,004	1,066	552	367	877	892	
Washington	106,180	902	4,248	5,535	5,704	3,555	2,459	5,961	5,423	
Wayne	24,058	200	786	1,145	1,169	683	466	1,126	1,172	
Westmoreland	177,809	1,373	5,912	8,575	9,138	5,577	3,734	9,042	8,846	
Wyoming	12,895	122	426	667	682	476	310	783	681	
York	231,301	2,341	9,578	13,268	14,180	8,363	5,475	12,910	13,268	

Source: 2022 estimated population as prepared by the State Data Center of the Pennsylvania State University at Harrisburg.

Table A-5C (Continued)
Female Population by Age and County: Pennsylvania, 2022

County	Age of Female (In Years)									
	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 64	65 - 74	75 - 84	85+	
Pennsylvania	429,214	409,915	389,015	358,540	406,084	897,125	771,128	431,228	207,732	
Adams	2,978	2,825	2,787	2,811	3,519	8,027	7,049	3,905	1,474	
Allegheny	46,649	42,845	37,081	32,088	36,162	84,831	78,061	42,479	22,084	
Armstrong	1,651	1,758	1,820	1,839	2,143	4,996	4,509	2,586	1,179	
Beaver	5,006	4,976	4,864	4,470	5,178	12,945	11,493	6,553	3,128	
Bedford	1,194	1,178	1,296	1,352	1,608	3,632	3,203	1,954	865	
Berks	13,488	13,155	12,894	12,119	13,715	29,345	23,245	13,210	6,606	
Blair	3,808	3,489	3,543	3,359	3,823	8,504	8,049	4,598	2,056	
Bradford	1,692	1,630	1,588	1,531	1,839	4,452	3,867	2,365	826	
Bucks	17,635	19,943	20,095	18,906	22,297	50,678	39,947	22,083	10,821	
Butler	5,615	6,074	5,946	5,420	6,667	14,772	12,381	6,739	3,104	
Cambria	3,437	3,340	3,483	3,620	4,084	9,353	9,507	5,189	2,668	
Cameron	89	92	99	97	139	395	372	189	102	
Carbon	1,898	1,842	1,834	1,866	2,282	5,142	4,397	2,367	1,027	
Centre	4,458	3,894	3,818	3,578	4,021	8,751	7,457	4,154	1,937	
Chester	16,146	17,520	17,450	16,493	18,046	37,809	29,546	16,430	7,276	
Clarion	1,094	919	963	965	1,168	2,522	2,290	1,292	565	
Clearfield	2,118	1,967	2,116	2,171	2,596	5,648	5,047	2,919	1,343	
Clinton	918	935	993	989	1,134	2,408	2,230	1,299	542	
Columbia	1,727	1,788	1,699	1,698	1,939	4,374	4,000	2,298	1,045	
Crawford	2,303	2,259	2,341	2,266	2,696	6,065	5,490	3,212	1,181	
Cumberland	8,481	8,693	8,218	7,345	7,945	17,132	15,195	9,086	4,122	
Dauphin	10,088	9,419	9,044	8,133	8,928	19,397	16,728	8,707	4,037	
Delaware	19,754	20,025	18,586	16,331	18,015	39,355	32,080	16,747	8,514	
Elk	687	770	767	835	1,054	2,419	2,062	1,200	589	
Erie	8,668	8,163	7,667	7,109	8,214	18,080	16,418	8,440	4,098	
Fayette	3,526	3,327	3,559	3,607	4,241	9,380	8,764	4,782	2,261	
Forest	62	89	92	87	149	428	475	247	73	
Franklin	4,927	4,773	4,677	4,643	5,102	10,757	9,432	5,719	2,533	
Fulton	384	382	389	437	495	1,036	919	624	174	
Greene	947	850	929	986	1,124	2,302	2,254	1,176	474	
Huntingdon	1,059	1,043	1,073	1,055	1,248	2,882	2,765	1,684	706	
Indiana	1,901	2,013	2,025	1,933	2,314	5,472	5,067	2,876	1,279	
Jefferson	1,209	1,210	1,214	1,171	1,369	3,178	2,853	1,580	738	
Juniata	622	646	647	641	738	1,623	1,400	876	369	
Lackawanna	6,769	6,573	6,317	5,977	6,821	15,017	13,170	7,803	4,009	
Lancaster	18,380	17,073	15,950	14,520	15,851	35,651	31,234	19,040	10,613	
Lawrence	2,269	2,262	2,502	2,277	2,784	6,240	5,925	3,414	1,751	
Lebanon	4,350	4,283	4,317	3,986	4,221	9,600	8,529	5,146	2,692	
Lehigh	12,507	12,312	12,007	11,021	11,654	24,198	20,169	11,425	5,330	
Luzerne	10,132	9,504	9,411	9,314	10,552	22,274	19,515	11,536	5,748	
Lycoming	3,619	3,557	3,266	3,075	3,480	7,826	6,987	3,999	1,932	
McKean	1,044	1,032	1,034	1,107	1,290	2,857	2,465	1,337	655	
Mercer	2,854	2,931	2,878	2,941	3,489	8,097	7,429	4,511	2,301	
Mifflin	1,302	1,180	1,262	1,206	1,515	3,187	2,878	1,875	858	
Monroe	4,706	4,644	4,939	5,053	5,955	13,379	10,185	5,031	1,894	
Montgomery	27,173	29,602	28,181	25,406	28,209	60,518	49,100	28,431	14,924	
Montour	614	553	496	471	540	1,368	1,145	682	437	
Northampton	9,627	9,437	9,468	8,995	10,075	22,141	18,957	10,979	6,057	
Northumberland	2,577	2,622	2,584	2,429	2,782	6,588	5,972	3,459	1,597	
Perry	1,404	1,362	1,316	1,303	1,582	3,392	2,932	1,466	643	
Philadelphia	77,200	60,146	50,354	42,287	45,304	94,594	77,542	40,406	18,579	
Pike	1,520	1,539	1,635	1,730	2,122	5,303	4,219	2,457	798	
Potter	411	384	429	415	491	1,262	1,188	657	335	
Schuylkill	3,882	3,919	4,024	3,873	4,710	10,078	8,902	5,150	2,517	
Snyder	1,167	1,068	1,017	1,093	1,200	2,598	2,233	1,462	900	
Somerset	1,773	1,809	1,881	1,983	2,251	5,363	4,956	2,864	1,473	
Sullivan	134	156	158	147	178	590	560	289	134	
Susquehanna	941	1,008	1,035	938	1,208	3,104	2,799	1,548	613	
Tioga	1,112	1,141	1,109	1,045	1,271	3,106	2,711	1,641	596	
Union	1,013	1,137	1,008	1,007	1,136	2,495	2,245	1,481	858	
Venango	1,294	1,374	1,408	1,303	1,608	4,033	3,770	1,975	946	
Warren	944	1,001	1,005	977	1,243	2,916	2,736	1,565	639	
Washington	6,120	6,214	6,242	5,842	6,913	15,578	14,250	7,594	3,640	
Wayne	1,208	1,311	1,242	1,246	1,545	4,014	3,886	2,095	764	
Westmoreland	9,608	9,683	9,918	9,629	11,911	27,696	25,834	14,721	6,612	
Wyoming	670	714	736	734	863	1,915	1,776	983	357	
York	14,671	14,552	14,289	13,259	15,338	32,057	26,377	14,641	6,734	

Source: 2022 estimated population as prepared by the State Data Center of the Pennsylvania State University at Harrisburg.

Table A-6
Population for Selected Municipalities: Pennsylvania, 2020 and 2022

Municipality	2022 Estimated Population	2020 Enumerated Population	Percent Change 2020-2022
Allentown	125,094	125,971	-0.7
Altoona	43,071	43,870	-1.8
Bethel Park	32,782	33,497	-2.1
Bethlehem	77,617	75,629	2.6
Chambersburg	22,172	22,325	-0.7
Chester	33,449	32,689	2.3
Easton	30,341	27,990	8.4
Erie	93,511	94,639	-1.2
Harrisburg	50,183	50,069	0.2
Hazleton	29,993	29,857	0.5
Johnstown	18,091	18,370	-1.5
Lancaster	57,453	57,712	-0.4
Lebanon	26,473	26,729	-1.0
Monroeville	28,259	28,625	-1.3
Murrysville	20,724	20,931	-1.0
New Castle	21,532	21,877	-1.6
Norristown	35,795	35,770	0.1
Philadelphia	1,567,258	1,601,005	-2.1
Pittsburgh	302,898	302,777	0.0
Plum	26,662	27,112	-1.7
Pottstown	23,377	23,436	-0.3
Reading	94,858	94,981	-0.1
Scranton	75,848	75,950	-0.1
State College	40,745	39,756	2.5
West Mifflin	19,140	19,544	-2.1
Wilkes-Barre	44,261	44,409	-0.3
Williamsport	27,403	27,708	-1.1
York	44,845	44,767	0.2

Source: 2020 population enumerated by the U.S. Bureau of the Census. 2022 estimated population as prepared by the State Data Data Center of the Pennsylvania State University at Harrisburg.

Note: See Technical Notes for criteria used in municipality selection.

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Table B-1
Resident Live Births: Pennsylvania, 1915-2022

Year	Number	Year	Number	Year	Number
2022	130,302	1985	160,001	1948	227,227
2021	132,720	1984	156,799	1947	248,513
2020	130,730	1983	157,810	1946	218,376
2019	134,247	1982	161,561	1945	173,799
2018	135,677	1981	160,179	1944	178,370
2017	137,771	1980	158,670	1943	199,366
2016	139,356	1979	157,533	1942	197,177
2015	140,727	1978	151,438	1941	174,193
2014	142,113	1977	153,415	1940	165,456
2013	140,424	1976	148,004	1939	160,774
2012	140,873	1975	148,942	1938	165,708
2011	142,021	1974	151,458	1937	161,133
2010	142,370	1973	153,272	1936	159,393
2009	145,472	1972	163,110	1935	161,166
2008	148,934	1971	180,939	1934	160,238
2007	150,322	1970	192,154	1933	157,046
2006	148,706	1969	185,046	1932	168,834
2005	145,033	1968	185,729	1931	178,714
2004	144,194	1967	188,706	1930	189,458
2003	145,485	1966	195,869	1929	189,524
2002	142,380	1965	204,105	1928	200,769
2001	143,404	1964	218,515	1927	210,001
2000	145,874	1963	221,537	1926	207,696
1999	144,828	1962	226,393	1925	215,120
1998	145,606	1961	240,172	1924	223,103
1997	143,967	1960	241,099	1923	217,235
1996	147,890	1959	246,615	1922	214,348
1995	150,848	1958	249,810	1921	229,452
1994	156,431	1957	254,997	1920	220,462
1993	159,666	1956	248,019	1919	207,685
1992	163,523	1955	242,591	1918	220,170
1991	167,726	1954	245,521	1917	222,505
1990	171,532	1953	239,206	1916	217,449
1989	168,108	1952	239,964	1915	217,979
1988	165,169	1951	235,074		
1987	162,348	1950	221,635		
1986	160,336	1949	224,581		

Note: Data prior to 1937 are by place of occurrence. All other data are by place of residence.

Table B-2
Live Birth Rate, General Fertility Rate and Total Fertility Rate
Pennsylvania and United States, 1950, 1955, 1960-2022

Year	Live Birth Rate*		General Fertility Rate*		Total Fertility Rate*	
	Pennsylvania	United States	Pennsylvania	United States	Pennsylvania	United States
2022	10.0	11.0	53.3	56.0	1,584.0	1,656.5
2021	10.2	11.0	54.7	56.3	1,614.0	1,664.0
2020	10.1	11.0	54.0	56.0	1,589.0	1,641.0
2019	10.5	11.4	56.3	58.3	1,647.0	1,706.0
2018	10.6	11.6	56.9	59.1	1,665.0	1,729.5
2017	10.8	11.8	57.8	60.3	1,693.0	1,765.5
2016	10.9	12.2	58.5	62.0	1,719.0	1,820.5
2015	11.0	12.4	58.6	62.5	1,736.0	1,843.5
2014	11.1	12.5	59.0	62.9	1,755.5	1,862.5
2013	11.0	12.4	58.2	62.5	1,747.0	1,857.5
2012	11.0	12.6	58.1	63.0	1,760.0	1,880.5
2011	11.1	12.7	58.4	63.2	1,784.0	1,894.5
2010	11.2	13.0	58.3	64.1	1,798.5	1,932.0
2009	11.5	13.5	58.5	66.7	1,828.5	2,007.0
2008	12.0	14.0	60.3	68.6	1,892.5	2,084.5
2007	12.1	14.3	60.6	69.5	1,911.5	2,122.0
2006	12.0	14.2	59.5	68.5	1,882.0	2,100.5
2005	11.7	14.0	58.0	66.7	1,844.5	2,053.5
2004	11.6	14.0	57.4	66.3	1,831.5	2,045.5
2003	11.8	14.1	57.8	66.1	1,844.0	2,042.5
2002	11.5	13.9	56.3	64.8	1,804.0	2,013.0
2001	11.7	14.1	56.5	65.3	1,808.5	2,034.0
2000	11.9	14.4	57.0	65.9	1,821.0	2,056.0
1999	12.1	14.5	57.8	65.9	1,795.0	2,075.0
1998	12.1	14.6	57.6	65.6	1,787.0	2,058.5
1997	12.0	14.5	56.4	65.0	1,743.0	2,032.5
1996	12.3	14.7	57.2	65.3	1,757.0	2,027.0
1995	12.5	14.8	57.9	65.6	1,769.5	2,019.0
1994	13.0	15.2	59.4	66.7	1,806.0	2,036.0
1993	13.3	15.5	60.2	67.6	1,821.5	2,046.0
1992	13.6	15.9	61.2	68.9	1,837.5	2,065.0
1991	14.0	16.3	62.5	69.6	1,860.5	2,073.0
1990	14.4	16.7	63.6	70.9	1,872.5	2,081.0
1989	14.0	16.4	61.0	69.2	1,778.0	2,014.0
1988	13.8	16.0	60.1	67.3	1,731.5	1,934.0
1987	13.6	15.7	59.4	65.8	1,693.5	1,872.0
1986	13.5	15.6	58.9	65.4	1,659.0	1,837.5
1985	13.5	15.8	58.8	66.3	1,642.0	1,844.0
1984	13.2	15.6	57.9	65.5	1,603.0	1,806.5
1983	13.3	15.6	59.2	65.7	1,633.0	1,799.0
1982	13.6	15.9	60.6	67.3	1,667.5	1,827.5
1981	13.5	15.8	60.7	67.3	1,654.5	1,812.0
1980	13.4	15.9	60.1	68.4	1,633.5	1,839.5
1979	13.4	15.6	60.4	67.2	1,672.0	1,808.0
1978	12.9	15.0	58.7	65.5	1,617.0	1,760.0
1977	13.0	15.1	59.8	66.8	1,620.5	1,789.5
1976	12.5	14.6	57.7	65.0	1,569.5	1,738.0
1975	12.6	14.6	58.7	66.0	1,600.5	1,774.0
1974	12.8	14.8	60.5	67.8	1,673.5	1,835.0
1973	12.9	14.8	61.7	68.8	1,734.5	1,879.0
1972	13.7	15.6	66.3	73.1	1,892.5	2,010.0
1971	15.1	17.2	75.4	81.6	2,188.5	2,266.5
1970	16.3	18.4	80.6	87.9	2,378.5	2,480.0
1969	15.7	17.9	76.6	86.1	2,245.0	2,455.5
1968	15.8	17.6	77.6	85.2	2,319.5	2,464.2
1967	16.2	17.8	80.0	87.2	2,444.5	2,557.7
1966	16.8	18.4	83.4	90.8	2,593.5	2,721.4
1965	17.7	19.4	87.6	96.3	2,754.5	2,912.6
1964	19.1	21.1	94.8	104.7	3,002.0	3,190.5
1963	19.4	21.7	96.2	108.3	3,072.5	3,318.8
1962	19.9	22.4	98.8	112.0	3,222.0	3,461.3
1961	20.9	23.3	104.1	117.1	3,390.5	3,620.3
1960	21.3	23.7	104.5	118.0	3,354.5	3,653.6
1955	21.8	25.0	100.1	118.3	3,020.0	3,573.7
1950	21.1	24.1	90.6	106.2	2,610.0	3,090.5

* Live birth rates per 1,000 population.

NA = Not Available

General fertility rate: Number of total live births per 1,000 females of childbearing age (between the ages of 15 and 44).

Total fertility rate: See Technical Notes.

Figure B-1
Live Birth Rates
Pennsylvania and United States, 1950-2022

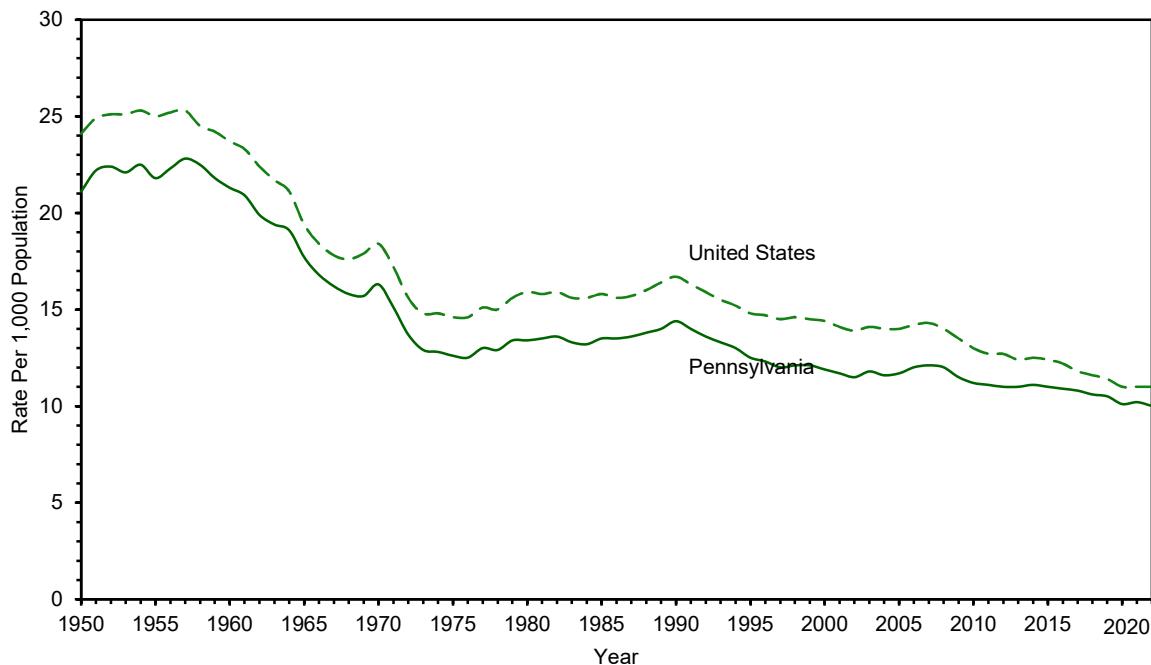


Figure B-2
General Fertility Rates
Pennsylvania and United States, 1950-2022

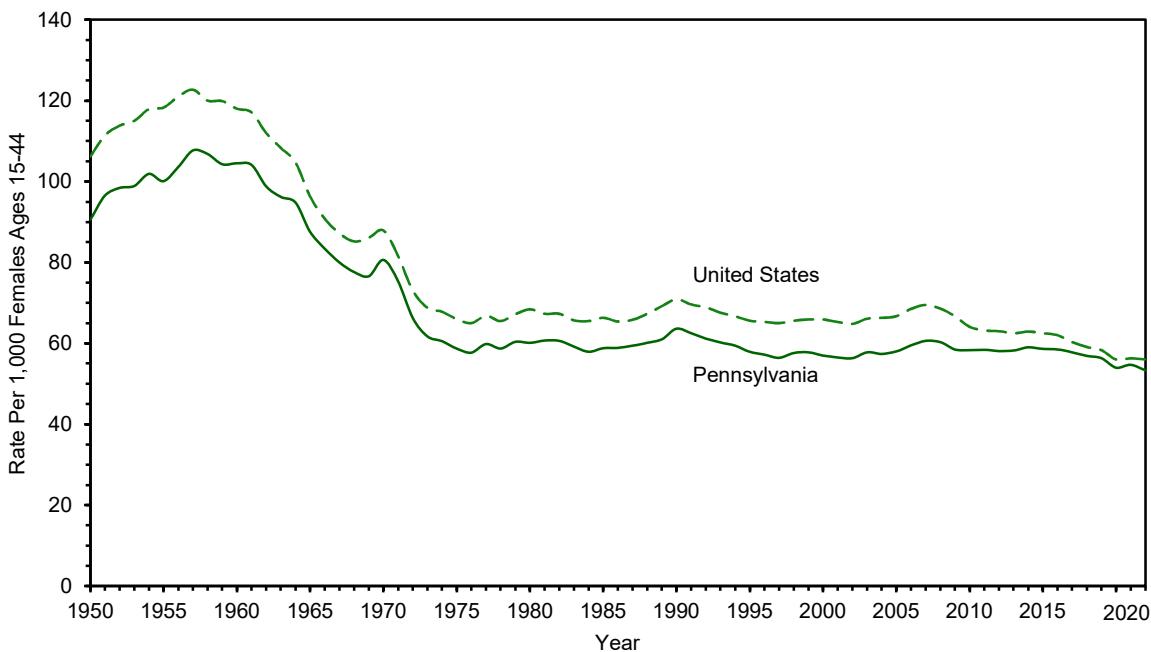


Table B-3
Resident Live Births by Age of Mother, Number and Rate*
Pennsylvania, 2022, 2020, 2010, 2000 and 1990

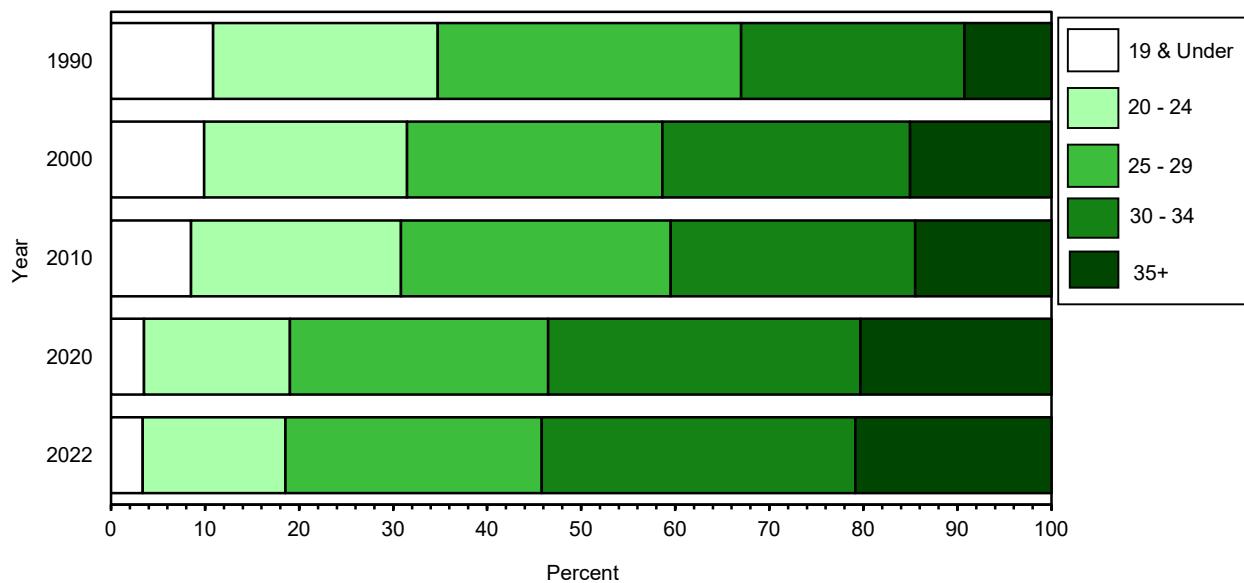
Age of Mother	2022		2020		2010		2000		1990	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Ages	130,302	53.3	130,720	54	142,370	58.3	145,874	57.0	171,053	63.6
Under 15	52	0.1	57	0.1	153	0.4	293	0.7	437	1.2
15 - 19	4,330	10.6	4,877	12.1	11,929	27.0	14,146	33.9	18,139	45.1
20 - 24	19,758	47.7	21,529	55	31,821	73.6	31,492	84.4	40,880	94.5
25 - 29	35,515	90.2	36,894	89.7	40,782	104.8	39,586	108.0	55,132	118.5
30 - 34	43,473	101.3	42,157	98.1	36,962	101.3	38,444	92.1	40,659	80.8
35 - 39	22,379	54.6	20,867	51.4	16,672	43.4	18,303	37.9	13,856	29.7
40 - 44	4,410	11.3	4,050	10.7	3,694	8.6	3,460	6.9	1,888	4.5
45 & Over	371	1.0	281	0.7	272	0.6	150	0.3	62	0.2
Unknown	14	-	18	-	85	-	**	**	**	**

* Rate per 1,000 female population for each year by age group. All ages includes females age 15-44 years; under 15 includes females age 10-14 years; and 45 & over includes females age 45-49 years.

** Births with unknown mother's age are included in the 25-29 year age group for 1990 and 2000, and in the 20-24 year age group for 1980.

Note: Unknowns excluded from calculations for 2010 and 2022.

Figure B-3
Resident Live Births, Percent by Age of Mother
Pennsylvania, 1990, 2000, 2010, 2020 and 2022



Note: Unknowns excluded from calculations for 2010, 2020, and 2022.

Table B-4A
Resident Live Births by Age, Race and Hispanic Origin of Mother
Pennsylvania, 2022

Age of Mother (In Years)	Race					Hispanic Origin
	All Races	White	Black	Asian/ Pacific Islander	Multi-Race	
All Ages	130,302	89,563	18,045	6,278	3,477	18,070
Under 15	52	15	16	0	5	16
15 - 19	4,330	1,984	1,152	40	282	1,352
20 - 24	19,758	11,781	3,763	381	832	4,554
25 - 29	35,515	24,519	5,119	1,296	986	5,200
30 - 34	43,473	31,947	4,883	2,654	849	4,227
35 - 39	22,379	16,143	2,461	1,558	412	2,141
40 - 44	4,410	2,950	579	316	102	532
45 & Over	371	217	71	33	9	47
Unknown	14	7	1	0	0	1

Note: Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table B-4B
Resident Live Birth Rate* by Age, Race and Hispanic Origin of Mother
Pennsylvania, 2022

Age of Mother (In Years)	Race					Hispanic Origin
	All Races	White	Black	Asian/ Pacific Islander	Multi-Race	
All Ages	53.3	47.5	51.8	47.9	50.1	70.7
Under 15	0.1	0.1	0.3	ND	ND	0.3
15 - 19	10.6	6.4	19.6	2.1	15.7	27.9
20 - 24	47.7	37.2	62.6	18.4	56.2	98.2
25 - 29	90.2	81.9	85.8	63.6	81.6	124.3
30 - 34	101.3	97.7	74.4	108.8	83.8	101.3
35 - 39	54.6	50.1	45.8	63.9	53.5	54.1
40 - 44	11.3	9.6	11.5	14.3	15.3	14.1
45 & Over	1.0	0.8	1.6	1.7	ND	1.5

* Rate per 1,000 female population for each specified group, 2022. All ages includes females age 15-44 years; under 15 includes females age 10-14 years; and 45 & over includes females age 45-49 years.

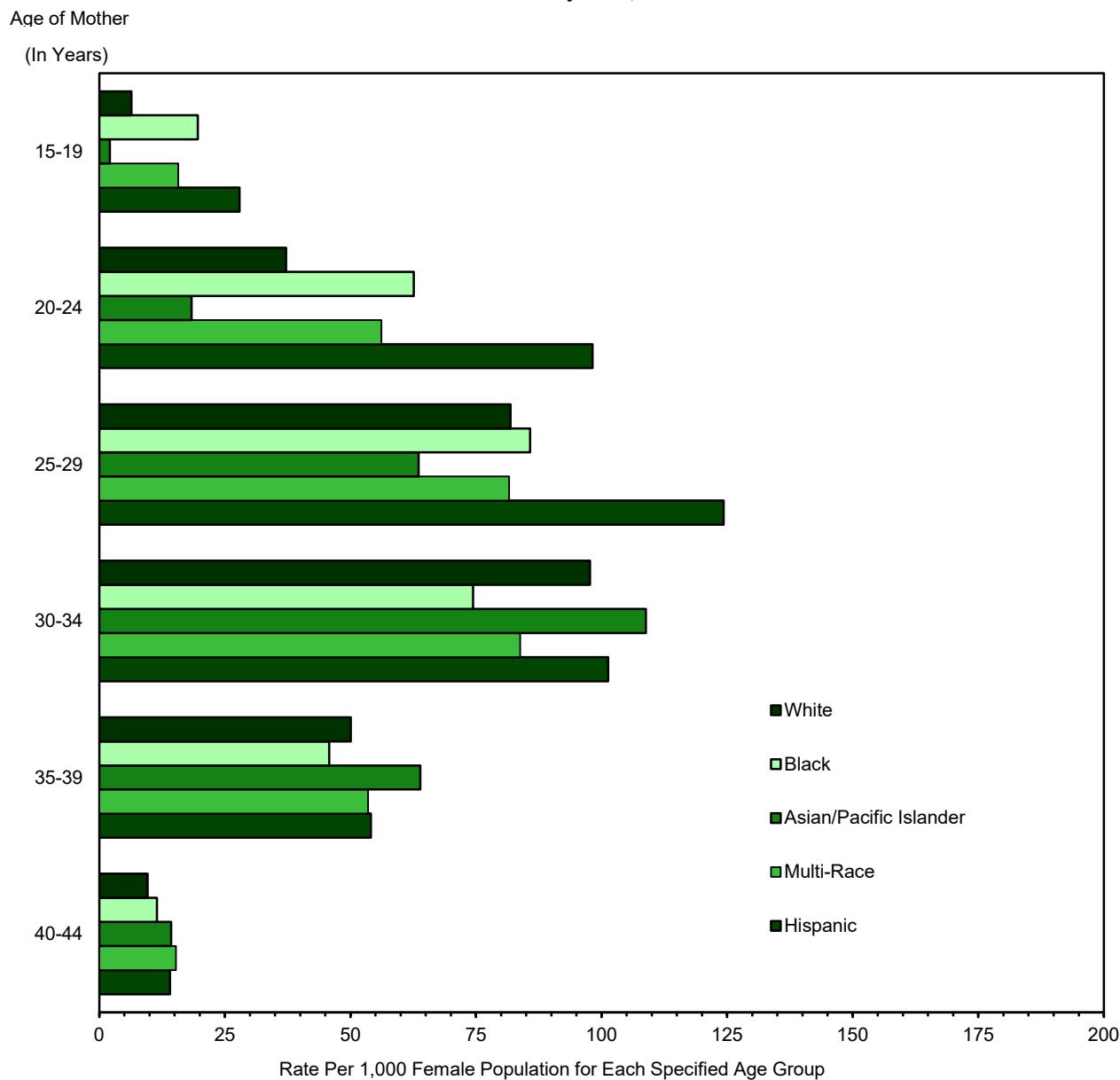
Notes: Unknowns excluded from calculations.

Hispanic origin can be of any race.

Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

See Technical Notes. Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Figure B-4
Resident Birth Rates by Age, Race and Hispanic Origin of Mother
Pennsylvania, 2022



Notes: Hispanic origin can be of any race.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

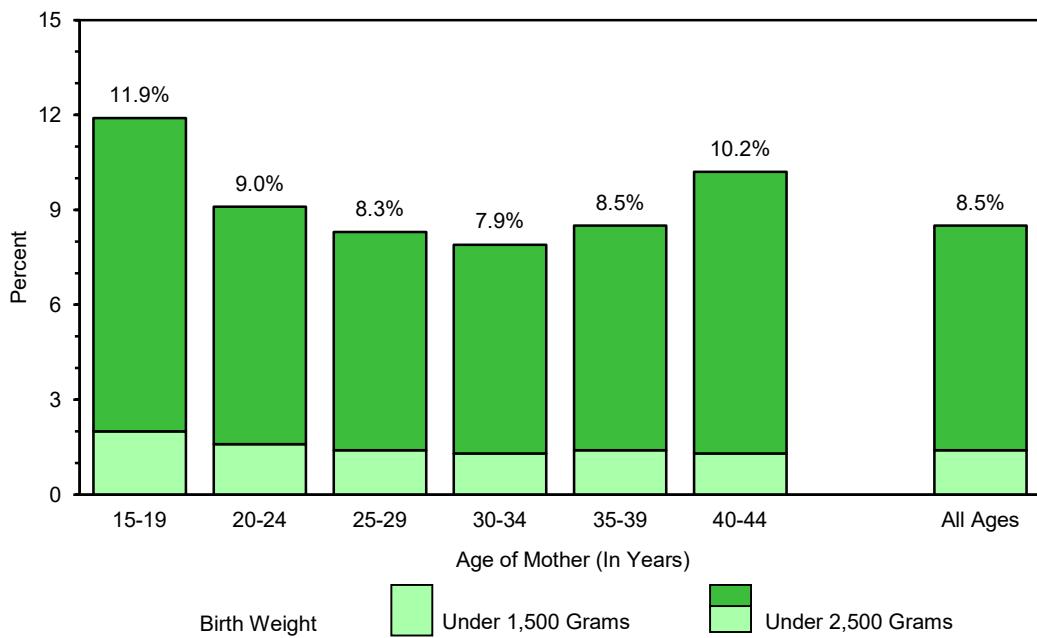
Table B-5
Resident Live Births by Age of Mother and Birth Weight
Number and Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Birth Weight									
		< 1,500 Grams		1,500 - 2,499 Grams		2,500 - 3,999 Grams		4,000 Grams and Over		Unknown Weight	
		Number	%	Number	%	Number	%	Number	%	Number	
All Ages	130,302	1,828	1.4	9,243	7.1	108,887	83.7	10,089	7.8	255	
Under 15	52	0	ND	4	ND	46	88.5	2	ND	0	
15 - 19	4,330	85	2.0	430	9.9	3,647	84.3	166	3.8	2	
20 - 24	19,758	306	1.6	1,476	7.5	16,782	85.1	1,154	5.9	40	
25 - 29	35,515	491	1.4	2,435	6.9	29,846	84.2	2,687	7.6	56	
30 - 34	43,473	568	1.3	2,871	6.6	36,182	83.4	3,745	8.6	107	
35 - 39	22,379	310	1.4	1,585	7.1	18,499	82.8	1,951	8.7	34	
40 - 44	4,410	59	1.3	390	8.9	3,602	81.8	350	8.0	9	
45 & Over	371	9	ND	50	13.6	277	75.1	33	8.9	2	
Unknown	14	0	ND	2	ND	6	ND	1	ND	5	

* Percent of total live births for each specified age group. Unknowns excluded from calculations.

Note: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Figure B-5
Resident Live Births, Percent with Very Low and Low Birth Weight
by Age of Mother, Pennsylvania, 2022



Note: The State percentages for very low birth weight (under 1,500 grams) and low birth weight (under 2,500 grams) are 1.4 and 8.5 percent, respectively. Unknowns excluded from calculations.

Table B-6
Resident Live Births by Birth Weight, Race and Hispanic Origin of Mother
Number and Percent*: Pennsylvania, 2022

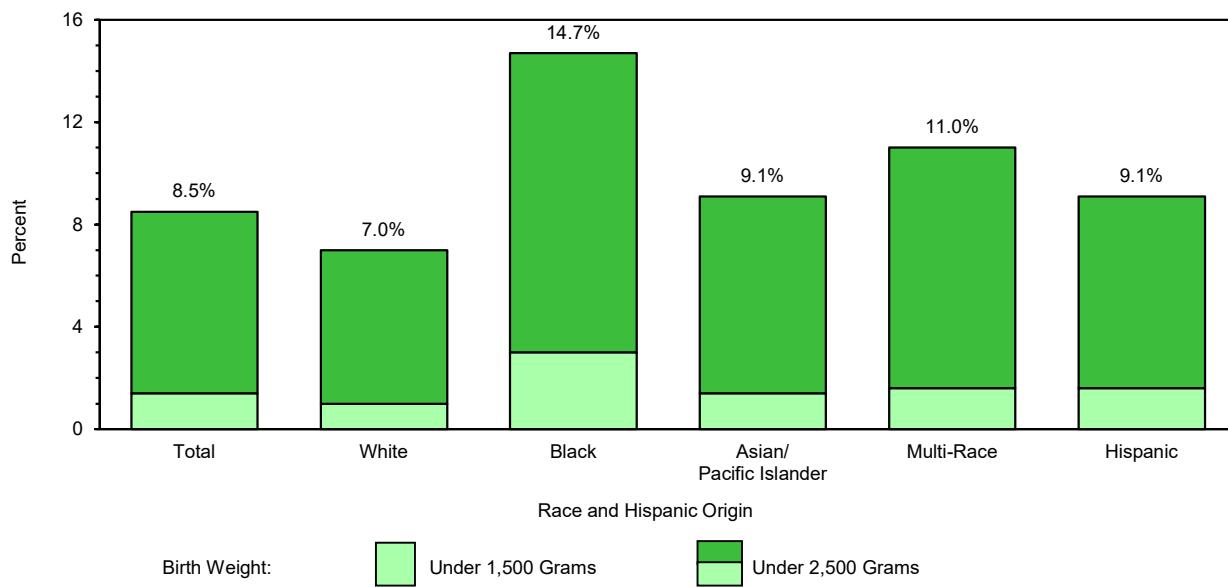
Birth Weight (In Grams)	Race										Hispanic Origin Number %	
	Total Births		White		Black		Asian/ Pacific Islander		Multi-Race			
	Number	%	Number	%	Number	%	Number	%	Number	%		
Total	130,302		89,563		18,045		6,278		3,477		18,070	
Very Low Birth Weight (Under 1,500 Grams)	1,828	1.4	899	1.0	543	3.0	87	1.4	55	1.6	294	1.6
Low Birth Weight (Under 2,500 Grams)	11,071	8.5	6,237	7.0	2,657	14.7	569	9.1	382	11.0	1,645	9.1
2500+ Grams	118,976	91.5	83,157	93.0	15,369	85.3	5,699	90.9	3,090	89.0	16,412	90.9
Unknown	255		169		19		10		5		13	

* Percent of total live births for each column. Unknowns excluded from calculations.

Notes: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Figure B-6
Resident Live Births, Percent with Very Low and Low Birth Weight
by Race and Hispanic Origin of Mother, Pennsylvania, 2022



Notes: Hispanic origin can be of any race.

Unknowns excluded from calculations.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table B-7A
Resident Live Births by Pre-Pregnancy Weight Status* and Age of Mother
Number and Percent: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Underweight		Normal Weight		Overweight		Obese		Unknown
		Number	%	Number	%	Number	%	Number	%	Number
All Ages	130,302	3,490	2.7	51,952	40.9	33,359	26.3	38,170	30.1	3,331
Under 15	52	3	ND	28	60.9	8	ND	7	ND	6
15-19	4,330	386	9.3	2,057	49.4	906	21.7	817	19.6	164
20-24	19,758	946	4.9	7,836	41.0	4,575	23.9	5,777	30.2	624
25-29	35,515	903	2.6	13,427	38.7	9,014	26.0	11,319	32.7	852
30-34	43,473	823	1.9	17,931	42.2	11,355	26.7	12,404	29.2	960
35-39	22,379	355	1.6	8,965	41.1	6,109	28.0	6,409	29.3	541
40-44	4,410	70	1.6	1,566	36.8	1,286	30.2	1,334	31.3	154
45 & Over	371	4	ND	139	39.7	105	30.0	102	29.1	21
Unknown	14	0	ND	3	ND	1	ND	1	ND	9

* Weight status based on Body Mass Index (BMI) as defined by the Centers for Disease Control (CDC). See Technical Notes.

Notes: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

See Technical Notes. Unknowns excluded from calculations.

Table B-7B
Resident Live Births by Pre-Pregnancy Weight Status*, Race, and Hispanic Origin of Mother
Number and Percent: Pennsylvania, 2022

Race and Hispanic Origin of Mother	Total Births	Underweight		Normal Weight		Overweight		Obese		Unknown
		Number	%	Number	%	Number	%	Number	%	Number
All Races	130,302	3,490	2.7	51,952	40.9	33,359	26.3	38,170	30.1	3,331
White	89,563	2,220	2.5	37,786	43.0	22,587	25.7	25,260	28.8	1,710
Black	18,045	483	2.8	5,192	29.8	4,507	25.9	7,215	41.5	648
Asian/ Pacific Islander	6,278	295	4.8	3,349	54.8	1,664	27.2	801	13.1	169
Multi-Race	3,477	130	3.8	1,274	37.5	807	23.7	1,190	35.0	76
Hispanic Origin	18,070	506	2.9	5,941	34.1	5,174	29.7	5,801	33.3	648

* Weight status based on Body Mass Index (BMI) as defined by the Centers for Disease Control (CDC). See Technical Notes.

Notes: Hispanic origin can be of any race.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

See Technical Notes. Unknowns excluded from calculations.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table B-8A
Resident Live Births by Pre-Pregnancy Weight Status* and Average Weight Gain by Age of Mother**
Number and Average: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	All Weights		Underweight		Normal Weight		Overweight		Obese		Unknown
		Number	Avg Wt	Number	Avg Wt	Number	Avg Wt	Number	Avg Wt	Number	Avg Wt	Number
All Ages	130,302	124,002	29.8	3,404	34.5	50,710	33.5	32,581	31.1	37,307	23.2	6,300
Under 15	52	45	30.2	3	ND	27	31.7	8	ND	7	ND	7
15-19	4,330	4,082	31.5	378	35.3	2,018	33.6	888	31.2	798	24.8	248
20-24	19,758	18,730	30.5	924	36.6	7,652	34.3	4,484	31.4	5,670	23.6	1,028
25-29	35,515	33,868	29.4	878	34.4	13,102	33.8	8,808	31.0	11,080	22.6	1,647
30-34	43,473	41,503	29.8	796	32.9	17,495	33.2	11,078	31.2	12,134	23.4	1,970
35-39	22,379	21,287	29.7	351	32.4	8,753	32.9	5,957	31.1	6,226	23.6	1,092
40-44	4,410	4,143	29.0	70	35.2	1,524	32.8	1,256	30.0	1,293	23.2	267
45 & Over	371	339	28.4	4	ND	136	32.2	101	29.7	98	21.3	32
Unknown	14	5	ND	0	ND	3	ND	1	ND	1	ND	9

* Weight status based on Body Mass Index (BMI) as defined by the Centers for Disease Control (CDC). See Technical Notes.

** Average weight gain during pregnancy in pounds (lbs).

Notes: Calculations based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Unknowns excluded from calculations.

Table B-8B
Resident Live Births by Pre-Pregnancy Weight Status* and Average Weight Gain**
by Race and Hispanic Origin of Mother, Number and Average: Pennsylvania, 2022

Race and Hispanic Origin of Mother	Total Births	All Weights		Underweight		Normal Weight		Overweight		Obese		Unknown
		Number	Avg Wt	Number	Avg Wt	Number	Avg Wt	Number	Avg Wt	Number	Avg Wt	Number
All Races	130,302	124,002	29.8	3,404	34.5	50,710	33.5	32,581	31.1	37,307	23.2	6,300
White	89,563	85,739	30.7	2,162	34.4	36,862	34.1	22,059	32.4	24,656	23.7	3,824
Black	18,045	17,044	27.8	476	36.2	5,086	33.1	4,405	29.5	7,077	22.5	1,001
Asian/ Pacific Islander	6,278	5,951	27.2	287	30.7	3,264	29.7	1,623	24.6	777	20.9	327
Multi-Race	3,477	3,310	29.9	126	34.7	1,238	34.6	781	31.2	1,165	23.5	167
Hispanic Origin	18,070	17,130	28.2	498	35.2	5,834	32.3	5,085	29.1	5,713	22.5	940

* Weight status based on Body Mass Index (BMI) as defined by the Centers for Disease Control (CDC). See Technical Notes.

** Average weight gain during pregnancy in pounds (lbs).

Notes: Hispanic origin can be of any race.

Calculations based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Unknowns excluded from calculations.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table B-9A
Resident Live Births by Age of Mother and Trimester of First Prenatal Visit
Number and Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Trimester in Pregnancy						Unknown Number	No Prenatal Visits	
		1st Trimester		2nd Trimester		3rd Trimester			Number	%
All Ages	130,302	92,012	72.6	24,926	19.7	6,962	5.5	3,587	2,815	2.2
Under 15	52	17	34.0	18	36.0	8	ND	2	7	ND
15 - 19	4,330	2,288	54.8	1,274	30.5	412	9.9	156	200	4.8
20 - 24	19,758	12,313	64.4	4,775	25.0	1,469	7.7	639	562	2.9
25 - 29	35,515	25,022	72.4	7,006	20.3	1,825	5.3	941	721	2.1
30 - 34	43,473	32,667	77.1	7,036	16.6	1,901	4.5	1,088	781	1.8
35 - 39	22,379	16,545	76.1	3,780	17.4	1,027	4.7	624	403	1.9
40 - 44	4,410	2,946	68.6	947	22.0	287	6.7	115	115	2.7
45 & Over	371	210	59.2	87	24.5	32	9.0	16	26	7.3
Unknown	14	4	ND	3	ND	1	ND	6	0	ND

* Percent of total live births for each specified age group. Unknowns excluded from calculations.

Notes: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting with 2003, the collection process for prenatal care data has changed. Please refer to Section F of the Technical Notes for further explanation.

Table B-9B
Resident Live Births by Race and Hispanic Origin of Mother and Trimester
of First Prenatal Visit, Number and Percent*: Pennsylvania, 2022

Race and Hispanic Origin of Mother	Total Births	Trimester in Pregnancy						Unknown Number	No Prenatal Visits	
		1st Trimester		2nd Trimester		3rd Trimester			Number	%
All Races	130,302	92,012	72.6	24,926	19.7	6,962	5.5	3,587	2,815	2.2
White	89,563	67,032	76.6	15,239	17.4	3,944	4.5	2,037	1,311	1.5
Black	18,045	10,774	62.5	4,499	26.1	1,288	7.5	798	686	4.0
Asian/Pacific Islander	6,278	4,408	72.1	1,217	19.9	388	6.3	167	98	1.6
Multi-Race	3,477	2,277	67.4	746	22.1	244	7.2	100	110	3.3
Hispanic Origin	18,070	11,281	64.2	4,279	24.3	1,332	7.6	495	683	3.9

* Percent of total live births for each specified group. Unknowns excluded from calculations.

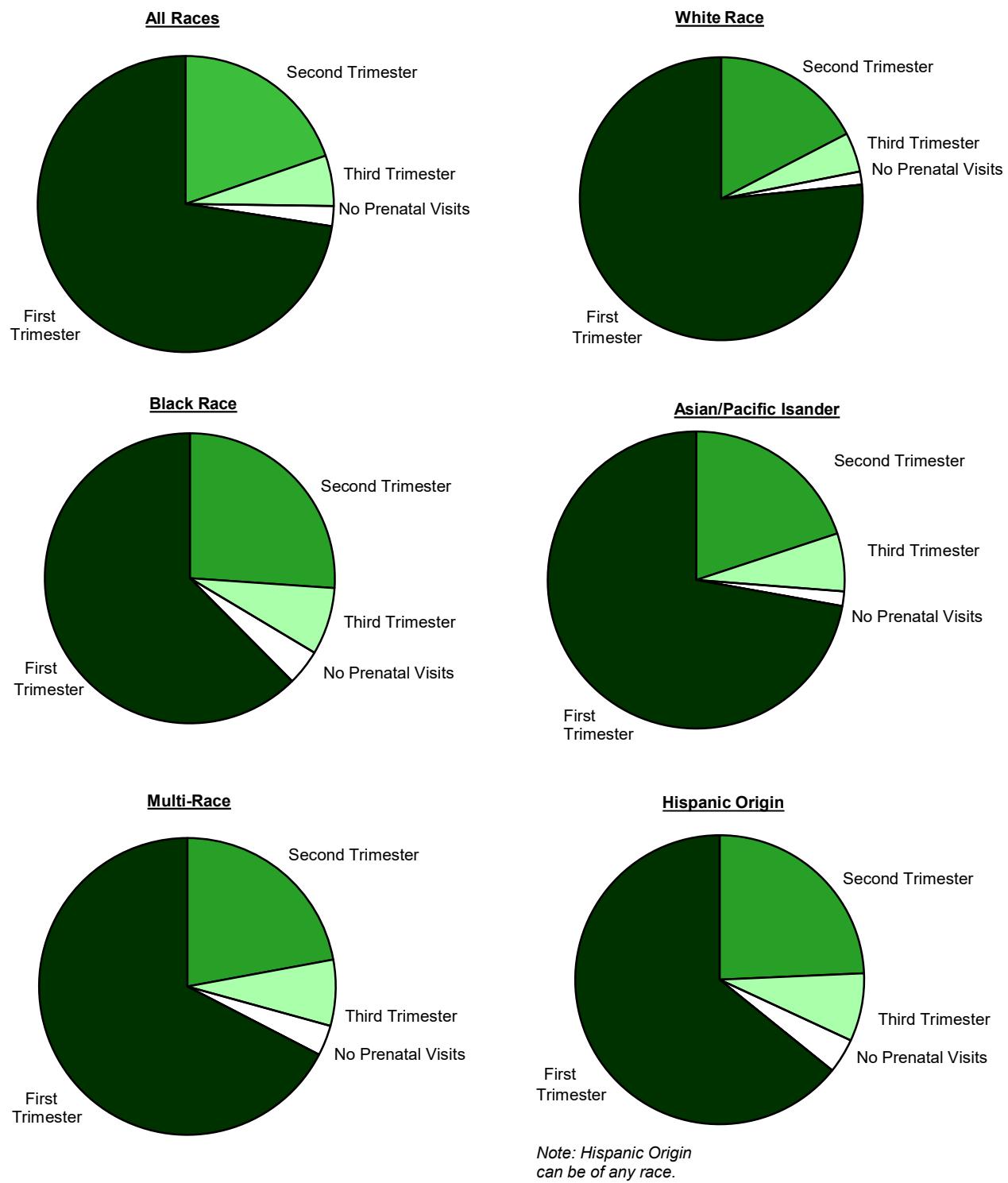
Notes: Hispanic origin can be of any race.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting with 2003, the collection process for prenatal care data has changed. Please refer to Section F of the Technical Notes for further explanation.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Figure B-7
Resident Live Births by Race, Hispanic Origin of Mother and
Trimester of First Prenatal Visit, Pennsylvania, 2022



Note: Starting with 2003, the collection process for prenatal care data has changed. Please refer to Section F of the Technical Notes for further explanation.
Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table B-10
Resident Live Births by Age of Mother and Number of Previous Pregnancies
Number and Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Number of Previous Pregnancies									
		None		One		Two		Three		Four or More	
		Number	%	Number	%	Number	%	Number	%	Number	%
All Ages	130,302	38,650	29.9	35,059	27.1	23,708	18.3	14,184	11.0	17,719	13.7
Under 15	52	50	96.2	2	ND	0	ND	0	ND	0	ND
15 - 19	4,330	3,294	76.5	793	18.4	176	4.1	30	0.7	13	0.3
20 - 24	19,758	8,896	45.4	5,993	30.6	2,828	14.4	1,182	6.0	694	3.5
25 - 29	35,515	11,537	32.7	9,669	27.4	6,677	18.9	3,771	10.7	3,601	10.2
30 - 34	43,473	10,813	25.1	12,262	28.4	8,392	19.4	5,120	11.9	6,561	15.2
35 - 39	22,379	3,475	15.6	5,486	24.7	4,755	21.4	3,343	15.0	5,159	23.2
40 - 44	4,410	533	12.2	787	18.0	827	18.9	683	15.6	1,544	35.3
45 & Over	371	49	13.4	64	17.5	53	14.5	53	14.5	147	40.2
Unknown	14	3	ND	3	ND	0	ND	2	ND	0	ND
											6

* Percent of total live births for each specified age group. Unknowns excluded from calculations.

Note: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table B-11
Resident Live Births by Age of Mother and Number of Previous Live Births
Number and Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Number of Previous Live Births									
		None		One		Two		Three		Four or More	
		Number	%	Number	%	Number	%	Number	%	Number	%
All Ages	130,302	50,210	38.7	41,879	32.3	21,354	16.5	9,152	7.1	7,176	5.5
Under 15	52	52	100.0	0	ND	0	ND	0	ND	0	ND
15 - 19	4,330	3,718	86.2	541	12.5	49	1.1	6	ND	1	ND
20 - 24	19,758	11,138	56.7	6,047	30.8	1,898	9.7	458	2.3	116	0.6
25 - 29	35,515	14,669	41.5	11,369	32.1	5,854	16.5	2,348	6.6	1,132	3.2
30 - 34	43,473	14,390	33.2	14,984	34.6	7,782	18.0	3,491	8.1	2,664	6.2
35 - 39	22,379	5,190	23.3	7,641	34.3	4,826	21.6	2,276	10.2	2,363	10.6
40 - 44	4,410	958	21.8	1,211	27.6	882	20.1	528	12.0	814	18.5
45 & Over	371	91	24.8	84	22.9	63	17.2	43	11.7	86	23.4
Unknown	14	4	ND	2	ND	0	ND	2	ND	0	ND
											6

* Percent of total live births for each specified age group. Unknowns excluded from calculations.

Note: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table B-12
Resident Live Births by Age and Marital Status of the Mother
Number and Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Marital Status				
		Married Number	Married %	Unmarried Number	Unmarried %	Unknown Number
All Ages	130,302	77,961	60.8	50,337	39.2	2,004
Under 15	52	0	ND	52	100.0	0
15 - 19	4,330	226	5.2	4,088	94.8	16
20 - 24	19,758	5,753	29.3	13,892	70.7	113
25 - 29	35,515	20,265	57.7	14,859	42.3	391
30 - 34	43,473	31,673	74.3	10,969	25.7	831
35 - 39	22,379	16,716	76.4	5,168	23.6	495
40 - 44	4,410	3,104	72.4	1,185	27.6	121
45 & Over	371	218	65.3	116	34.7	37
Unknown	14	6	ND	8	ND	0

* Percent of total live births for each specified age group. Unknowns excluded from calculations.

Note: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table B-13
Resident Live Births by Age and Education of Mother
Number and Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Highest Education Level Completed										
		Grade 8 Or Less		Grade 9-12 No Diploma		High School Grad/GED		Some College**		College Degree		Unknown
		Number	%	Number	%	Number	%	Number	%	Number	%	Number
All Ages	130,302	5,212	4.0	9,260	7.2	32,666	25.3	30,727	23.8	51,412	39.8	1,025
Under 15	52	28	54.9	23	45.1	0	ND	0	ND	0	ND	1
15 - 19	4,330	222	5.2	1,966	45.9	1,841	43.0	249	5.8	1	ND	51
20 - 24	19,758	1,293	6.6	2,496	12.7	9,684	49.4	4,894	25.0	1,238	6.3	153
25 - 29	35,515	1,364	3.9	2,138	6.1	10,352	29.3	10,290	29.2	11,132	31.6	239
30 - 34	43,473	1,191	2.8	1,550	3.6	7,098	16.5	9,769	22.6	23,534	54.6	331
35 - 39	22,379	810	3.6	845	3.8	2,979	13.4	4,525	20.4	13,038	58.7	182
40 - 44	4,410	273	6.3	208	4.8	640	14.7	935	21.5	2,302	52.8	52
45 & Over	371	29	8.1	29	8.1	70	19.4	65	18.1	167	46.4	11
Unknown	14	2	ND	5	ND	2	ND	0	ND	0	ND	5

* Percent of total live births for each specified age group. Unknowns excluded from calculations.

** Includes an associate degree or some college credit, but no degree.

Notes: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting with 2003, the collection process for education data has changed. Some data may not be comparable to previous years

Please refer to Section F of the Technical Notes for further explanation.

Table B-14
Resident Live Births by Age of Mother and Type of Medical Condition
Number and Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Risk Factors		Infections		Maternal Morbidity		Abnormal Conditions of Newborn		Selected Congenital Anomalies**		
		In This Pregnancy	Number	Present/Treated During This Pregnancy	Number	%	Number	%	Number	%	Number	%
All Ages	130,302	49,072	38.1	22,094	17.2		1,885	1.5	14,718	11.4	531	0.4
Under 15	52	9	ND	13	25.0		0	ND	4	ND	0	ND
15 - 19	4,330	756	17.7	953	22.3		54	1.3	523	12.2	28	0.7
20 - 24	19,758	5,237	26.7	3,448	17.7		272	1.4	2,200	11.3	80	0.4
25 - 29	35,515	12,173	34.7	6,035	17.2		546	1.6	3,955	11.3	142	0.4
30 - 34	43,473	17,324	40.3	7,281	17.0		605	1.4	4,645	10.8	137	0.3
35 - 39	22,379	10,831	48.9	3,629	16.5		350	1.6	2,684	12.2	108	0.5
40 - 44	4,410	2,499	57.3	677	15.6		54	1.2	622	14.3	32	0.7
45 & Over	371	240	65.2	56	15.4		3	ND	83	22.7	4	ND
Unknown	14	3	ND	2	ND		1	ND	2	ND	0	ND

* Percent of total live births for each specified age group. Unknowns excluded from calculations.

** See technical notes for qualifications about the reporting of congenital anomalies.

Notes: More than one type of medical condition may be reported for a live birth.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting with 2003, the collection process for medical condition data has changed. Some data may not be comparable to previous years. Please refer to Section F of the Technical Notes for further explanation.

Table B-15
Resident Live Births, Selected Congenital Anomalies Reported by Type
Pennsylvania, 2022

Congenital Anomalies	Number	Congenital Anomalies	Number
Total Births	130,302	Congenital Malformations and Deformations of the Musculoskeletal System	
Births with Selected Anomaly(ies) Reported	531	Congenital Diaphragmatic Hernia	32
		Gastroschisis	22
Congenital Malformations of the Nervous System		Limb Reduction Defect	23
Anencephaly	9	Omphalocele	18
Meningomyelocele/Spina Bifida	19	Chromosomal Abnormalities	
Congenital Malformations of the Circulatory System		Down Syndrome	
Cyanotic Congenital Heart Disease	57	Karyotype Confirmed	39
		Karyotype Pending	47
Cleft Lip and Cleft Palate		Suspected Chromosomal Disorder	
Cleft Lip With or Without Cleft Palate	62	Karyotype Confirmed	25
Cleft Palate Alone	30	Karyotype Pending	75
Congenital Malformations of Genital Organs		None of the Above	127,561
Hypopspadias	106	Unknown	2,210

Notes: More than one type of congenital anomaly may be reported for a live birth.

Starting with 2003, the collection process for congenital anomaly data has changed. Some data may not be comparable to previous years. Please refer to Section F of the Technical Notes for further explanation.

Table B-16A
Resident Live Births by Age of Mother and Method of Delivery
Number: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Method of Delivery								Unknown Method
		Vaginal				Cesarean				
		Total*	VBAC**	Forceps	Vacuum	Total^	Primary	Repeat		
All Ages	130,302	89,613	3,673	505	2,998	40,393	24,143	16,250	296	
Under 15	52	44	0	0	3	8	8	0	0	
15 - 19	4,330	3,556	17	17	118	766	711	55	8	
20 - 24	19,758	15,038	310	78	409	4,671	3,384	1,287	49	
25 - 29	35,515	25,325	982	142	802	10,126	6,459	3,667	64	
30 - 34	43,473	29,134	1,352	164	1,090	14,222	8,208	6,014	117	
35 - 39	22,379	13,885	823	90	481	8,452	4,244	4,208	42	
40 - 44	4,410	2,439	178	13	87	1,962	1,023	939	9	
45 & Over	371	184	10	1	8	185	106	79	2	
Unknown	14	8	1	0	0	1	0	1	5	

* The row total for vaginal does not add since a vaginal delivery may include all, some, or none of the specified types of vaginal delivery.

** Vaginal birth after previous cesarean.

^ Includes Unknowns.

Notes: Starting with 2003, the collection process for method of delivery data has changed. Please refer to Section F of the Technical Notes for further explanation.

Table B-16B
Resident Live Births by Age of Mother and Method of Delivery
Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Method of Delivery	
	Vaginal	Cesarean
All Ages	68.9	31.1
Under 15	84.6	ND
15 - 19	82.3	17.7
20 - 24	76.3	23.7
25 - 29	71.4	28.6
30 - 34	67.2	32.8
35 - 39	62.2	37.8
40 - 44	55.4	44.6
45 & Over	49.9	50.1
Unknown	ND	ND

* Percent of total live births for each specified age group.

Unknowns excluded from calculations.

Notes: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting with 2003, the collection process for method of delivery data has changed. Please refer to Section F of the Technical Notes for further explanation.

Table B-17A
Resident Live Births by Age of Mother and Principal Source of Payment
Number and Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Principal Source of Payment						
		Private Insurance		Medicaid		Self-Pay		Unknown Number
		Number	%	Number	%	Number	%	
All Ages	130,302	72,763	57.7	44,308	35.2	7,072	5.6	4,286
Under 15	52	2	ND	48	94.1	0	ND	1
15-19	4,330	816	19.6	3,118	74.8	123	3.0	162
20-24	19,758	6,122	32.1	11,013	57.8	1,579	8.3	693
25-29	35,515	18,171	52.9	13,490	39.2	2,149	6.3	1,135
30-34	43,473	29,244	69.5	10,454	24.9	1,848	4.4	1,422
35-39	22,379	15,427	71.1	4,953	22.8	1,050	4.8	695
40-44	4,410	2,764	65.0	1,113	26.2	302	7.1	157
45 & Over	371	216	60.8	116	32.7	17	4.8	16
Unknown	14	1	ND	3	ND	4	ND	5

* Percent of total live births for each specified age group. Unknowns excluded from calculations.

Notes: Table excludes "Other" category as principal source of payment.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table B-17B
Resident Live Births by Race and Hispanic Origin of Mother and Principal Source of Payment
Number and Percent*: Pennsylvania, 2022

Race or Ethnicity of Mother	Total Births	Principal Source of Payment						
		Private Insurance		Medicaid		Self-Pay		Unknown Number
		Number	%	Number	%	Number	%	
All Races	130,302	72,763	57.7	44,308	35.2	7,072	5.6	4,286
White	89,563	58,521	67.4	21,238	24.5	6,020	6.9	2,755
Black	18,045	5,534	31.6	11,533	65.8	255	1.5	505
Asian/Pacific Islander	6,278	4,202	69.6	1,708	28.3	79	1.3	241
Multi-Race	3,477	1,412	41.7	1,850	54.7	69	2.0	92
Hispanic Origin	18,070	4,891	28.3	11,025	63.8	729	4.2	790

* Percent of total live births for each specified racial/ethnic group. Unknowns excluded from calculations.

Notes: Hispanic origin can be of any race.

Table excludes "Other" category as principal source of payment.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table B-18
Resident Live Births to Mothers Who Breastfed
by Age, Race, and Hispanic Origin of Mother
Number and Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Mothers Who Breastfed By Race/Hispanic Origin											
	All Races		White		Black		Asian/ Pacific Islander		Multi-Race		Hispanic Origin	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
All Ages	105,564	84.6	73,545	85.2	13,644	79.7	5,433	90.3	2,669	81.1	14,414	84.6
Under 20	3,040	73.3	1,380	71.9	782	71.2	32	84.2	194	70.8	1,009	78.9
20-24	15,197	80.7	9,126	80.5	2,794	78.4	331	89.9	615	78.0	3,586	83.6
25-29	28,732	84.3	20,075	84.9	3,894	80.1	1,115	88.6	779	82.3	4,163	84.8
30-34	36,158	86.8	26,860	87.3	3,774	81.3	2,298	91.2	659	83.5	3,434	86.0
35-39	18,556	86.5	13,500	86.9	1,904	81.4	1,364	90.8	330	84.8	1,757	86.8
40 & Over	3,876	84.7	2,600	85.2	496	80.0	293	88.8	92	88.5	464	85.1
Unknown	5	ND	4	ND	0	ND	0	ND	0	ND	1	ND

* Percent of total live births for each specified age/race/ethnic group. Unknowns excluded from calculations.

Notes: Hispanic origin can be of any race.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table B-19
Resident Live Births to Mothers Who Received WIC* Food
by Age, Race, and Hispanic Origin of Mother
Number and Percent: Pennsylvania, 2022**

Age of Mother (In Years)	Mothers Who Received WIC By Race/Hispanic Origin											
	All Races		White		Black		Asian/ Pacific Islander		Multi-Race		Hispanic Origin	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
All Ages	32,955	26.0	15,568	17.7	8,000	45.7	1,398	24.1	1,291	38.2	9,416	53.7
Under 20	2,667	63.3	1,185	61.1	697	62.4	21	55.3	170	61.4	923	70.3
20-24	8,706	45.5	4,404	38.3	1,926	53.2	168	46.8	415	51.3	2,761	62.6
25-29	9,411	27.1	4,589	19.0	2,198	44.2	407	34.1	360	37.7	2,625	51.7
30-34	7,568	17.9	3,366	10.7	2,016	42.4	504	20.7	227	27.3	1,917	46.7
35-39	3,678	16.9	1,632	10.3	940	39.2	242	16.7	89	22.2	916	44.2
40 & Over	922	19.9	391	12.6	222	35.2	56	16.9	30	28.0	273	48.9
Unknown	3	ND	1	ND	1	ND	0	ND	0	ND	1	ND

* Pennsylvania Women, Infants, and Children Nutrition Program.

** Percent of total live births for each specified age/race/ethnic group. Unknowns excluded from calculations.

Notes: Hispanic origin can be of any race.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table B-20A
Resident Live Births by Age of Mother and Smoking Status Prior and During Pregnancy
Number and Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Smoked Three Months Prior to Pregnancy		Smoked During First Three Months of Pregnancy		Smoked During Second Three Months of Pregnancy		Smoked During Last Three Months of Pregnancy		Unknown Smoking Status** Number
		Number	%	Number	%	Number	%	Number	%	
All Ages	130,302	10,165	8.1	7,503	6.0	6,445	5.2	6,199	5.0	5,440
Under 15	52	3	ND	1	ND	0	ND	0	ND	0
15-19	4,330	264	6.4	189	4.6	162	3.9	154	3.7	188
20-24	19,758	1,859	9.8	1,319	7.0	1,100	5.8	1,039	5.5	798
25-29	35,515	3,090	9.1	2,263	6.6	1,943	5.7	1,871	5.5	1,482
30-34	43,473	2,999	7.2	2,231	5.4	1,928	4.6	1,858	4.5	1,846
35-39	22,379	1,616	7.5	1,239	5.8	1,088	5.1	1,054	4.9	902
40-44	4,410	306	7.3	235	5.6	201	4.8	198	4.7	194
45 & Over	371	25	7.2	23	6.6	21	6.1	23	6.6	25
Unknown	14	3	ND	3	ND	2	ND	2	ND	5

* Percent of total live births for each specified age group. Unknowns for each time period excluded from those calculations.

** Unknown smoking status during pregnancy.

Note: Smoking status is defined as cigarette use.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table B-20B
Resident Live Births by Race and Hispanic Origin of Mother and Smoking Status Prior and During Pregnancy, Number and Percent*: Pennsylvania, 2022

Race and Hispanic Origin of Mother	Total Births	Smoked Three Months Prior to Pregnancy		Smoked During First Three Months of Pregnancy		Smoked During Second Three Months of Pregnancy		Smoked During Last Three Months of Pregnancy		Unknown Smoking Status** Number
		Number	%	Number	%	Number	%	Number	%	
All Races	130,302	10,165	8.1	7,503	6.0	6,445	5.2	6,199	5.0	5,440
White	89,563	8,052	9.4	5,994	7.0	5,173	6.0	4,979	5.8	4,022
Black	18,045	1,154	6.6	848	4.9	731	4.2	691	4.0	565
Asian/Pacific Islander	6,278	42	0.7	21	0.3	12	0.2	12	0.2	224
Multi-Race	3,477	423	12.6	321	9.6	269	8.0	259	7.7	118
Hispanic Origin	18,070	844	4.8	548	3.1	442	2.5	420	2.4	537

* Percent of total live births for each specified racial/ethnic group. Unknowns from each time period excluded from those calculations.

** Unknown smoking status during pregnancy.

Note: Smoking status is defined as cigarette use.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Hispanic origin can be of any race.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table B-21A
Resident Live Births by Age of Mother and Smoking Status During Pregnancy
Number and Percent*: Pennsylvania, 2022

Age of Mother (In Years)	Total Births	Smoking Status During Pregnancy				
		Yes		No		Unknown
		Number	%	Number	%	Number
All Ages	130,302	7,711	6.2	117,151	93.8	5,440
Under 15	52	1	ND	51	98.1	0
15 - 19	4,330	201	4.9	3,941	95.1	188
20 - 24	19,758	1,362	7.2	17,598	92.8	798
25 - 29	35,515	2,322	6.8	31,711	93.2	1,482
30 - 34	43,473	2,286	5.5	39,341	94.5	1,846
35 - 39	22,379	1,270	5.9	20,207	94.1	902
40 - 44	4,410	242	5.7	3,974	94.3	194
45 & Over	371	24	6.9	322	93.1	25
Unknown	14	3	ND	6	ND	5

* Percent of total live births for each specified age group. Unknowns excluded from calculations.

Notes: Smoking status is defined as cigarette use.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting with 2003, the collection process for smoking status data has changed. Births to mothers who reported smoking during the first, second, or third trimester are considered as using tobacco during pregnancy.

Please refer to Section F of the Technical Notes for further explanation.

Table B-21B
Resident Live Births by Race and Hispanic Origin of Mother and
Smoking Status During Pregnancy, Number and Percent*: Pennsylvania, 2022

Race and Hispanic Origin of Mother	Total Births	Smoking Status During Pregnancy				
		Yes		No		Unknown
		Number	%	Number	%	Number
All Races	130,302	7,711	6.2	117,151	93.8	5,440
White	89,563	6,132	7.2	79,409	92.8	4,022
Black	18,045	893	5.1	16,587	94.9	565
Asian/Pacific Islander	6,278	22	0.4	6,032	99.6	224
Multi-Race	3,477	329	9.8	3,030	90.2	118
Hispanic Origin	18,070	568	3.2	16,965	96.8	537

* Percent of total live births for each specified group. Unknowns excluded from calculations.

Notes: Smoking status is defined as cigarette use.

Hispanic origin can be of any race.

Starting with 2003, the collection process for smoking status data has changed. Births to mothers who reported smoking during the first, second, or third trimester are considered as using tobacco during pregnancy.

Please refer to Section F of the Technical Notes for further explanation.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table B-22
Resident Live Births by Race and Hispanic Origin of Mother by County
Total Births, Birth and General Fertility Rates*: Pennsylvania, 2022

County	Total Births	Birth Rate	General Fertility Rate	Race				Hispanic Origin
				White	Black	Asian/Pacific Islander	Multi-Race	
Pennsylvania	130,302	10.0	53.3	89,563	18,045	6,278	3,477	18,070
Adams	942	8.9	50.9	831	13	7	19	126
Allegheny	11,831	9.6	48.6	7,954	2,255	777	356	489
Armstrong	539	8.3	53.3	519	4	2	6	8
Beaver	1,519	9.2	54.5	1,291	121	15	59	63
Bedford	473	10.0	65.0	467	1	0	1	10
Berks	4,585	10.7	56.6	2,844	307	74	133	1,797
Blair	1,190	9.8	56.1	1,091	45	11	28	25
Bradford	608	10.2	62.8	585	8	4	1	12
Bucks	5,595	8.7	50.4	4,335	305	460	123	534
Butler	1,699	8.6	48.5	1,557	26	54	30	52
Cambria	1,191	9.1	55.4	1,024	118	10	31	34
Cameron	35	7.9	61.8	35	0	0	0	0
Carbon	532	8.1	50.2	465	18	3	10	72
Centre	1,120	7.1	31.0	936	39	91	23	35
Chester	5,608	10.3	55.1	4,189	288	486	128	758
Clarion	365	9.8	49.8	347	5	4	5	2
Clearfield	671	8.6	56.2	647	8	6	6	8
Clinton	430	11.3	56.9	409	8	2	6	4
Columbia	586	9.0	43.2	532	10	10	13	37
Crawford	855	10.3	60.5	818	10	0	7	13
Cumberland	2,701	10.1	52.2	1,995	212	259	78	214
Dauphin	3,280	11.4	58.7	1,677	759	293	141	631
Delaware	6,491	11.3	56.5	3,496	1,877	473	195	542
Elk	243	8.0	53.9	235	1	3	0	2
Erie	2,652	9.9	52.8	1,928	346	116	102	191
Fayette	1,136	9.0	56.1	1,020	49	7	40	24
Forest	20	3.0	54.2	20	0	0	0	0
Franklin	1,709	10.9	61.8	1,430	74	15	33	232
Fulton	139	9.6	60.6	138	0	0	0	3
Greene	265	7.6	47.4	257	3	0	4	2
Huntingdon	384	8.9	55.5	366	2	1	11	8
Indiana	735	8.9	44.0	695	13	4	13	11
Jefferson	446	10.2	63.0	438	1	2	3	5

(Continued)

Table B-22
Resident Live Births by Race and Hispanic Origin of Mother by County
Total Births, Birth and General Fertility Rates*: Pennsylvania, 2022

County	Total Births	Birth Rate	General Fertility Rate	Race				Hispanic Origin
				White	Black	Asian/Pacific Islander	Multi-Race	
Juniata	299	12.8	77.9	285	0	1	3	9
Lackawanna	1,967	9.1	49.9	1,478	147	70	65	374
Lancaster	7,095	12.7	68.0	5,859	339	182	148	986
Lawrence	769	9.1	54.1	667	55	2	33	27
Lebanon	1,564	10.9	61.0	1,340	32	33	31	349
Lehigh	3,822	10.2	52.3	2,124	409	159	109	1,651
Luzerne	3,075	9.4	53.1	1,938	304	50	51	1,030
Lycoming	1,085	9.6	52.3	914	102	10	42	39
McKean	334	8.4	50.9	321	2	0	9	8
Mercer	953	8.7	51.9	824	76	5	31	19
Mifflin	558	12.1	74.0	545	4	1	3	16
Monroe	1,361	8.1	46.4	883	200	24	52	323
Montgomery	8,487	9.8	52.4	5,838	913	754	233	935
Montour	229	12.7	75.5	200	8	15	2	9
Northampton	2,698	8.5	45.4	1,911	228	115	80	627
Northumberland	801	8.9	54.2	716	23	4	14	77
Perry	502	10.9	66.6	483	2	2	8	13
Philadelphia	19,118	12.2	51.8	5,840	7,479	1,452	618	4,324
Pike	461	7.6	50.9	371	31	15	10	78
Potter	145	8.9	60.3	141	0	2	2	1
Schuylkill	1,221	8.5	53.3	1,034	42	8	21	201
Snyder	388	9.8	53.1	368	5	2	3	15
Somerset	613	8.4	57.9	600	7	3	1	10
Sullivan	33	5.6	44.5	32	1	0	0	0
Susquehanna	374	9.8	66.1	355	1	2	4	18
Tioga	383	9.3	54.8	372	4	1	3	8
Union	374	8.7	47.7	343	6	8	6	17
Venango	428	8.6	55.8	408	4	0	10	9
Warren	347	9.2	61.5	306	0	3	4	12
Washington	1,874	8.9	52.1	1,651	80	42	53	56
Wayne	405	7.9	56.2	381	3	7	7	22
Westmoreland	2,910	8.3	51.6	2,619	134	37	69	67
Wyoming	213	8.2	48.7	196	3	2	3	14
York	4,841	10.5	58.0	3,649	475	78	144	782

* Birth rate per 1,000 population for each specified county, 2022.

General fertility rate: Number of total live births per 1,000 females of childbearing age (between the ages of 15 and 44 years), 2022.

Notes: Hispanic origin can be of any race.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table B-23
Resident Live Births by Race and Hispanic Origin of Mother by County
Number and Average Annual Rate: Pennsylvania, 2018-2022

County	Total Births 2018-2022	Birth Rate*	Race				Hispanic Origin
			White	Black	Asian/Pacific Islander	Multi-Race	
Pennsylvania	663,676	10.3	461,226	92,690	30,916	21,135	84,334
Adams	4,658	9.0	4,157	72	35	114	513
Allegheny	62,217	10.1	42,359	12,392	4,163	1,544	1,855
Armstrong	2,839	8.7	2,743	21	6	42	28
Beaver	7,702	9.3	6,501	646	63	327	234
Bedford	2,341	9.8	2,295	9	7	21	17
Berks	22,848	10.7	14,648	1,382	397	875	8,573
Blair	5,917	9.7	5,560	158	34	119	96
Bradford	3,174	10.6	3,077	28	32	10	42
Bucks	28,182	8.8	22,002	1,523	2,113	617	2,500
Butler	8,452	8.8	7,856	113	236	109	216
Cambria	5,958	9.0	5,159	535	42	152	133
Cameron	151	6.8	142	1	0	5	4
Carbon	2,794	8.6	2,508	87	11	71	280
Centre	5,569	7.0	4,773	137	377	137	187
Chester	27,214	10.2	20,401	1,481	2,246	698	3,618
Clarion	1,844	9.8	1,769	27	15	18	20
Clearfield	3,458	8.7	3,340	20	34	46	36
Clinton	2,061	10.8	1,979	20	9	31	29
Columbia	2,765	8.5	2,557	36	40	51	146
Crawford	4,382	10.4	4,149	55	8	111	65
Cumberland	13,176	10.2	10,320	836	990	446	851
Dauphin	16,626	11.7	8,842	3,747	1,235	1,071	2,801
Delaware	32,010	11.2	17,580	9,239	2,190	1,056	2,325
Elk	1,313	8.6	1,271	5	14	14	10
Erie	13,595	10.1	9,815	1,792	518	790	1,044
Fayette	6,104	9.5	5,490	301	35	211	103
Forest	128	3.6	127	0	0	1	0
Franklin	8,500	10.9	7,203	346	66	235	970
Fulton	698	9.6	681	2	2	6	12
Greene	1,565	8.8	1,513	13	5	30	18
Huntingdon	1,967	8.9	1,891	16	7	40	23
Indiana	3,895	9.3	3,680	71	33	63	46
Jefferson	2,333	10.6	2,283	5	6	28	21

(Continued)

Table B-23
Resident Live Births by Race and Hispanic Origin of Mother by County
Number and Average Annual Rate: Pennsylvania, 2018-2022

County	Total Births 2018-2022	Birth Rate*	Race				Hispanic Origin
			White	Black	Asian/ Pacific Islander	Multi-Race	
Juniata	1,461	12.2	1,372	6	6	17	78
Lackawanna	10,211	9.6	7,851	698	359	369	1,709
Lancaster	34,857	12.7	28,696	1,637	886	1,063	4,886
Lawrence	4,095	9.6	3,570	259	11	195	106
Lebanon	7,860	11.0	6,792	192	118	192	1,722
Lehigh	20,567	11.0	12,493	2,104	825	774	8,371
Luzerne	16,029	9.9	10,517	1,446	256	487	4,718
Lycoming	5,782	10.2	4,962	440	60	240	157
McKean	1,765	8.8	1,707	14	6	23	33
Mercer	5,088	9.3	4,397	381	36	218	78
Mifflin	2,807	12.2	2,715	20	7	39	67
Monroe	7,159	8.5	4,490	1,056	157	415	1,722
Montgomery	42,507	10.0	29,475	4,273	4,111	1,377	4,097
Montour	1,076	11.9	936	26	74	16	35
Northampton	13,930	9.0	10,029	1,137	577	527	3,200
Northumberland	4,394	9.7	3,957	120	22	98	353
Perry	2,502	10.9	2,387	11	11	62	59
Philadelphia	99,477	12.6	30,571	40,323	7,506	3,670	20,674
Pike	2,093	7.2	1,692	127	41	92	315
Potter	817	10.0	790	2	6	12	23
Schuylkill	6,312	8.9	5,514	156	53	131	808
Snyder	2,029	10.1	1,933	23	16	23	50
Somerset	3,201	8.7	3,121	24	11	20	40
Sullivan	221	7.4	212	3	2	1	1
Susquehanna	1,820	9.3	1,738	5	8	27	65
Tioga	1,976	9.7	1,922	15	9	20	26
Union	1,925	8.8	1,786	33	30	32	66
Venango	2,236	8.9	2,164	19	5	35	21
Warren	1,844	9.5	1,678	4	10	24	28
Washington	9,649	9.2	8,636	385	126	353	216
Wayne	2,035	7.9	1,898	18	24	54	102
Westmoreland	14,540	8.3	13,159	651	152	396	243
Wyoming	1,150	8.7	1,087	6	8	17	39
York	23,825	10.5	18,308	1,960	418	1,027	3,410

* Birth rate per 1,000 population for each specified county, 2018-2022.

Notes: Hispanic origin can be of any race.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Figure B-8
Resident Birth Rates by County
Pennsylvania, 2022

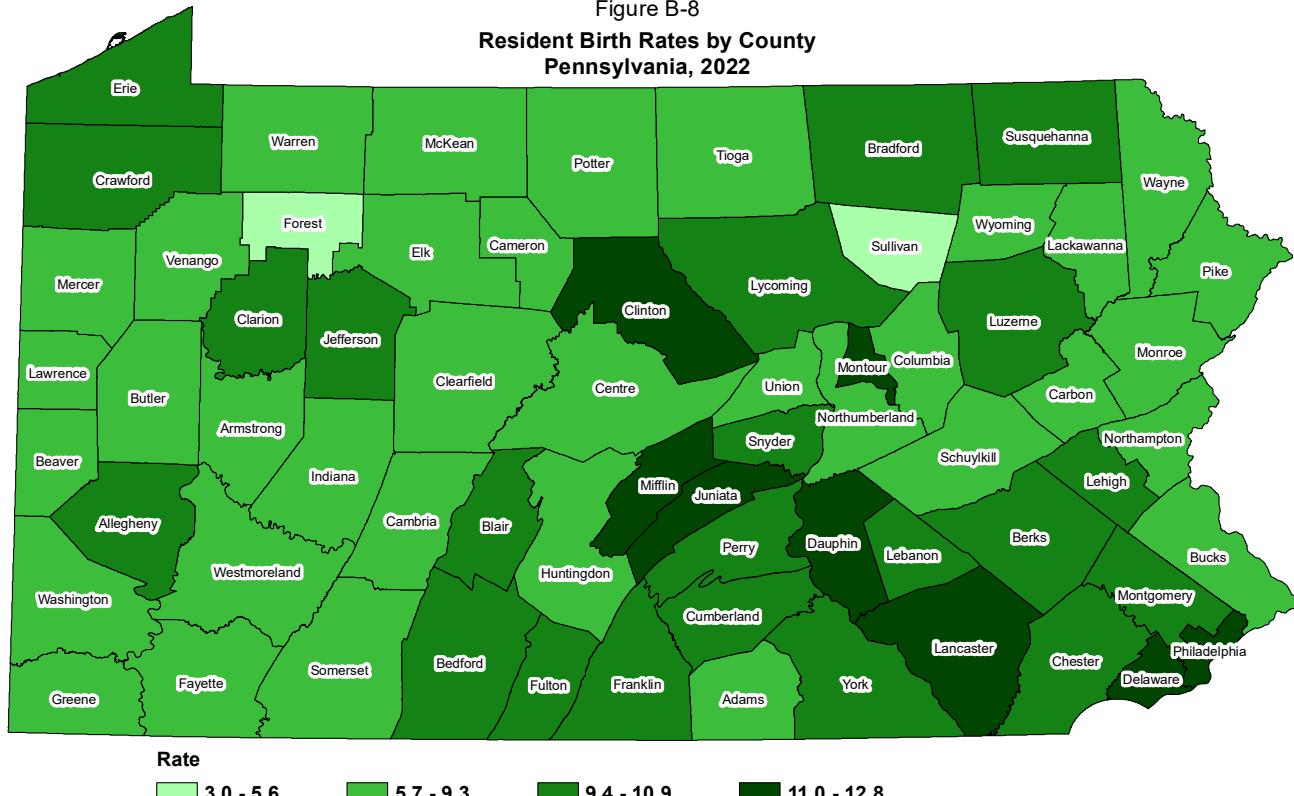


Figure B-9
Resident Average Annual Birth Rates by County
Pennsylvania, 2018-2022

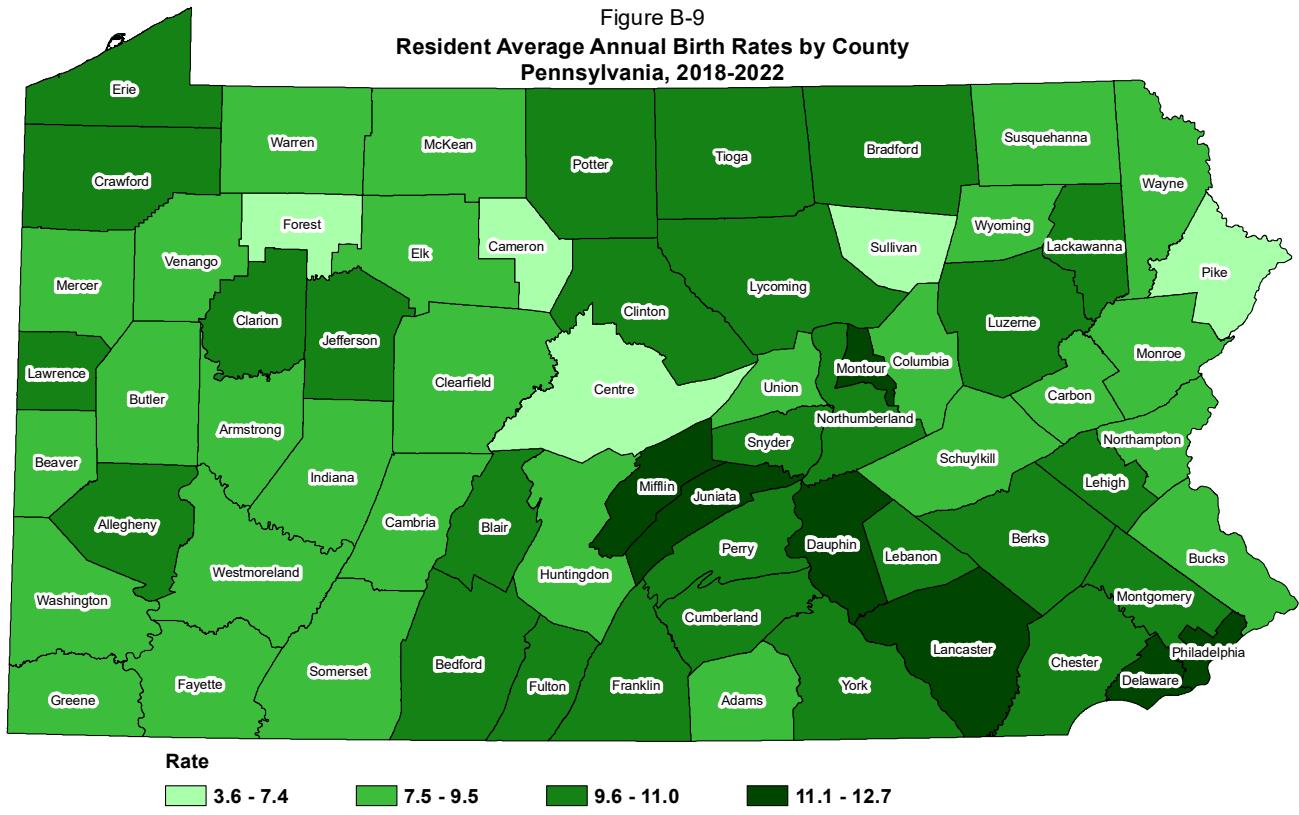
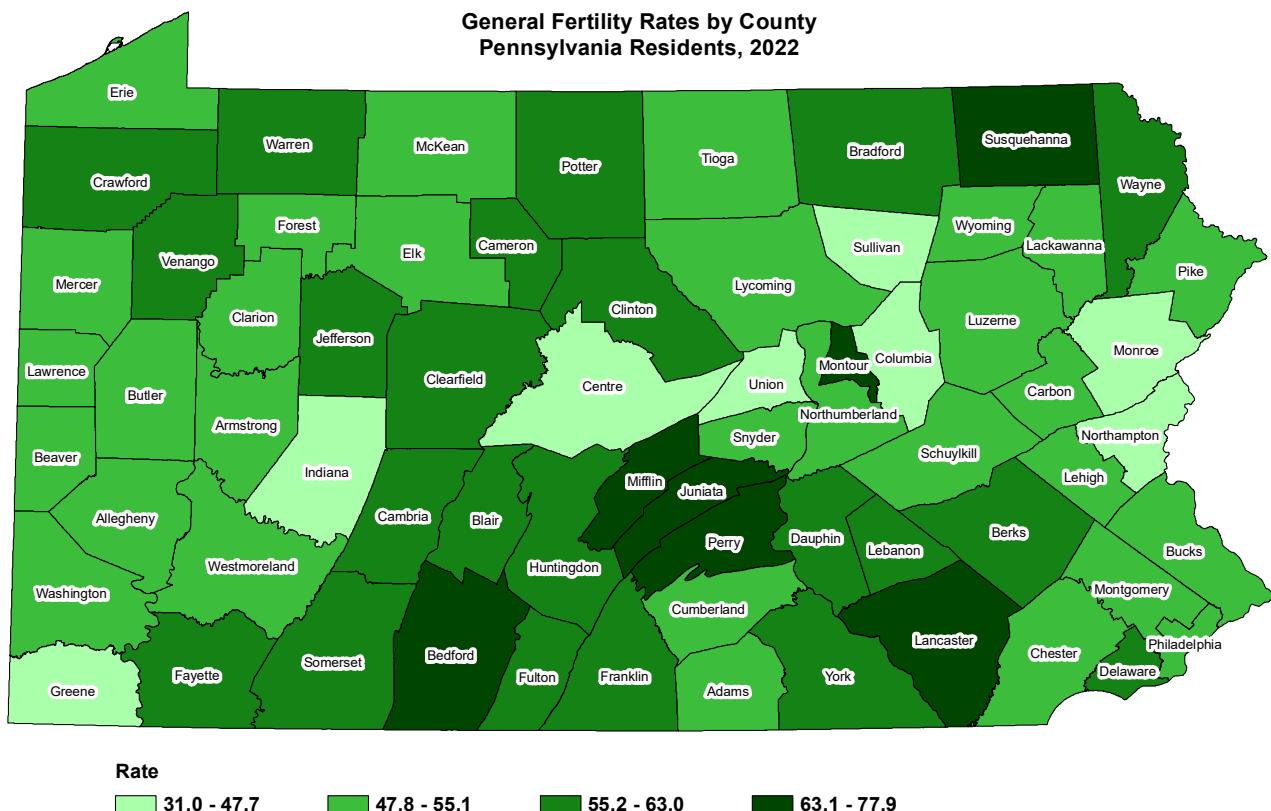


Figure B-10

**General Fertility Rates by County
Pennsylvania Residents, 2022**



Rate

31.0 - 47.7

47.8 - 55.1

55.2 - 63.0

63.1 - 77.9

Note: General fertility rate is the number of live births per 1,000 females between the ages of 15 and 44 years.
See Table B-22 for county rates.

Table B-24
Resident Live Births by Age of Mother and County
Pennsylvania, 2022

County	Total Births	Age of Mother (In Years)									45 & Over	Unknown
		Under 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 & Over	Unknown		
Pennsylvania	130,302	52	4,330	19,758	35,515	43,473	22,379	4,410	371	14		
Adams	942	0	23	175	299	290	121	32	2	0		
Allegheny	11,831	5	297	1,224	2,809	4,556	2,490	423	26	1		
Armstrong	539	0	14	102	195	140	70	15	2	1		
Beaver	1,519	1	51	205	469	511	238	40	4	0		
Bedford	473	0	19	102	151	139	54	8	0	0		
Berks	4,585	1	198	815	1,452	1,339	621	136	22	1		
Blair	1,190	1	54	241	401	325	136	28	4	0		
Bradford	608	0	38	153	199	159	50	9	0	0		
Bucks	5,595	0	84	454	1,241	2,261	1,266	272	17	0		
Butler	1,699	0	42	174	491	620	316	52	4	0		
Cambria	1,191	1	60	243	393	336	133	24	1	0		
Cameron	35	0	1	4	16	10	4	0	0	0		
Carbon	532	0	17	97	176	155	74	13	0	0		
Centre	1,120	0	19	120	281	444	229	25	2	0		
Chester	5,608	1	92	428	1,103	2,313	1,385	266	18	2		
Clarion	365	2	18	70	129	105	30	10	1	0		
Clearfield	671	0	27	150	213	186	81	14	0	0		
Clinton	430	0	17	124	130	113	42	3	1	0		
Columbia	586	0	25	112	196	155	80	16	2	0		
Crawford	855	0	56	212	251	215	100	20	0	1		
Cumberland	2,701	1	48	345	765	940	485	108	9	0		
Dauphin	3,280	0	139	560	961	1,008	503	103	6	0		
Delaware	6,491	3	160	675	1,381	2,482	1,488	269	33	0		
Elk	243	0	13	35	97	68	25	4	1	0		
Erie	2,652	5	129	544	785	774	346	61	8	0		
Fayette	1,136	1	72	247	390	285	117	17	5	2		
Forest	20	0	0	5	4	5	5	1	0	0		
Franklin	1,709	1	70	354	582	478	178	44	2	0		
Fulton	139	0	5	44	51	27	11	1	0	0		
Greene	265	0	14	55	104	68	23	1	0	0		
Huntingdon	384	0	20	106	134	79	37	8	0	0		
Indiana	735	0	24	202	215	195	81	16	2	0		
Jefferson	446	0	11	125	136	118	42	10	4	0		

(Continued)

Table B-24
Resident Live Births by Age of Mother and County
Pennsylvania, 2022

County	Total Births	Age of Mother (In Years)								
		Under 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 & Over	Unknown
Juniata	299	1	12	69	104	70	33	10	0	0
Lackawanna	1,967	0	68	331	531	639	320	68	10	0
Lancaster	7,095	1	159	1,236	2,213	2,204	1,054	205	22	1
Lawrence	769	1	24	143	241	241	101	17	1	0
Lebanon	1,564	0	66	304	516	436	197	42	3	0
Lehigh	3,822	1	150	658	1,043	1,229	608	125	7	1
Luzerne	3,075	2	140	602	898	910	421	96	5	1
Lycoming	1,085	0	51	214	336	330	125	28	1	0
McKean	334	0	22	93	105	79	28	6	1	0
Mercer	953	1	39	196	346	228	112	29	2	0
Mifflin	558	1	16	151	192	135	53	10	0	0
Monroe	1,361	0	35	190	417	421	229	60	9	0
Montgomery	8,487	2	123	615	1,676	3,581	2,075	391	24	0
Montour	229	0	5	29	51	93	45	6	0	0
Northampton	2,698	1	82	359	714	948	482	103	9	0
Northumberland	801	1	27	197	245	223	90	17	1	0
Perry	502	0	17	105	151	147	70	11	1	0
Philadelphia	19,118	14	944	3,220	4,792	5,975	3,361	742	68	2
Pike	461	1	10	59	146	134	86	23	2	0
Potter	145	0	1	46	48	42	4	4	0	0
Schuylkill	1,221	0	53	242	382	340	186	16	2	0
Snyder	388	0	15	88	133	104	40	7	0	1
Somerset	613	0	29	141	190	162	71	20	0	0
Sullivan	33	0	1	5	14	9	4	0	0	0
Susquehanna	374	0	11	77	123	111	41	11	0	0
Tioga	383	0	20	101	118	102	31	11	0	0
Union	374	0	10	72	128	98	52	13	1	0
Venango	428	0	26	116	137	101	36	12	0	0
Warren	347	0	11	87	125	78	33	13	0	0
Washington	1,874	0	47	243	562	655	303	59	5	0
Wayne	405	0	11	57	123	132	67	15	0	0
Westmoreland	2,910	2	78	361	895	1,045	466	59	4	0
Wyoming	213	0	7	40	65	66	30	4	1	0
York	4,841	0	163	809	1,555	1,506	664	128	16	0

Table B-25
Resident Live Births by Birth Weight and County
Number and Percent*: Pennsylvania, 2022

County	Total Births	Birth Weight								
		< 1,500 Grams		1,500 - 2,499 Grams		2,500 - 3,999 Grams		4,000 Grams and Over		Unknown Weight Number
		Number	%	Number	%	Number	%	Number	%	
Pennsylvania	130,302	1,828	1.4	9,243	7.1	108,887	83.7	10,089	7.8	255
Adams	942	15	1.6	56	6.0	778	82.7	92	9.8	1
Allegheny	11,831	179	1.5	913	7.7	9,954	84.2	773	6.5	12
Armstrong	539	3	ND	42	7.8	443	82.2	51	9.5	0
Beaver	1,519	21	1.4	97	6.4	1,265	83.3	135	8.9	1
Bedford	473	4	ND	30	6.3	399	84.4	40	8.5	0
Berks	4,585	61	1.3	283	6.2	3,861	84.2	380	8.3	0
Blair	1,190	14	1.2	72	6.1	1,006	84.7	96	8.1	2
Bradford	608	9	ND	25	4.1	512	84.3	61	10.0	1
Bucks	5,595	67	1.2	291	5.3	4,654	85.1	460	8.4	123
Butler	1,699	11	0.6	118	6.9	1,442	84.9	128	7.5	0
Cambria	1,191	20	1.7	106	8.9	982	82.5	83	7.0	0
Cameron	35	0	ND	5	ND	28	80.0	2	ND	0
Carbon	532	5	ND	37	7.0	448	84.2	42	7.9	0
Centre	1,120	13	1.2	45	4.0	925	82.7	135	12.1	2
Chester	5,608	39	0.7	332	5.9	4,709	84.0	526	9.4	2
Clarion	365	2	ND	22	6.1	314	86.5	25	6.9	2
Clearfield	671	5	ND	58	8.6	553	82.4	55	8.2	0
Clinton	430	4	ND	21	4.9	369	85.8	36	8.4	0
Columbia	586	10	1.7	32	5.5	496	84.8	47	8.0	1
Crawford	855	10	1.2	56	6.6	712	83.7	73	8.6	4
Cumberland	2,701	26	1.0	164	6.1	2,214	82.0	296	11.0	1
Dauphin	3,280	57	1.7	250	7.6	2,700	82.3	272	8.3	1
Delaware	6,491	104	1.6	490	7.6	5,350	82.5	540	8.3	7
Elk	243	3	ND	14	5.8	212	87.2	14	5.8	0
Erie	2,652	38	1.4	202	7.6	2,233	84.3	175	6.6	4
Fayette	1,136	24	2.1	90	7.9	942	83.0	79	7.0	1
Forest	20	1	ND	1	ND	17	85.0	1	ND	0
Franklin	1,709	20	1.2	121	7.1	1,438	84.2	129	7.6	1
Fulton	139	0	ND	3	ND	120	86.3	16	11.5	0
Greene	265	3	ND	22	8.3	226	85.6	13	4.9	1
Huntingdon	384	7	ND	21	5.5	321	83.8	34	8.9	1
Indiana	735	4	ND	43	5.9	623	85.0	63	8.6	2
Jefferson	446	4	ND	32	7.2	372	83.8	36	8.1	2

(Continued)

Table B-25
Resident Live Births by Birth Weight and County
Number and Percent*: Pennsylvania, 2022

County	Total Births	Birth Weight									
		< 1,500 Grams		1,500 - 2,499 Grams		2,500 - 3,999 Grams		4,000 Grams and Over		Unknown Weight	
		Number	%	Number	%	Number	%	Number	%	Number	
Juniata	299	4	ND	13	4.3	252	84.3	30	10.0	0	
Lackawanna	1,967	20	1.0	153	7.8	1,645	83.7	148	7.5	1	
Lancaster	7,095	71	1.0	386	5.4	5,896	83.1	738	10.4	4	
Lawrence	769	13	1.7	57	7.4	633	82.5	64	8.3	2	
Lebanon	1,564	28	1.8	103	6.6	1,308	83.6	125	8.0	0	
Lehigh	3,822	47	1.2	282	7.4	3,236	84.7	255	6.7	2	
Luzerne	3,075	47	1.5	194	6.3	2,596	84.5	235	7.6	3	
Lycoming	1,085	12	1.1	74	6.8	894	82.4	105	9.7	0	
McKean	334	4	ND	39	11.7	278	83.2	13	3.9	0	
Mercer	953	16	1.7	80	8.4	794	83.5	61	6.4	2	
Mifflin	558	6	ND	35	6.3	461	82.6	56	10.0	0	
Monroe	1,361	29	2.1	90	6.6	1,152	84.7	89	6.5	1	
Montgomery	8,487	104	1.2	598	7.1	7,082	83.5	697	8.2	6	
Montour	229	2	ND	17	7.5	186	81.6	23	10.1	1	
Northampton	2,698	38	1.4	193	7.2	2,265	84.0	199	7.4	3	
Northumberland	801	6	ND	51	6.4	682	85.1	62	7.7	0	
Perry	502	7	ND	27	5.4	415	82.7	53	10.6	0	
Philadelphia	19,118	415	2.2	1,758	9.2	15,941	83.5	988	5.2	16	
Pike	461	1	ND	31	6.8	384	83.7	43	9.4	2	
Potter	145	0	ND	4	ND	122	84.1	19	13.1	0	
Schuylkill	1,221	22	1.8	87	7.1	1,022	83.8	89	7.3	1	
Snyder	388	2	ND	16	4.1	329	84.8	41	10.6	0	
Somerset	613	8	ND	25	4.1	538	87.8	42	6.9	0	
Sullivan	33	2	ND	1	ND	28	84.8	2	ND	0	
Susquehanna	374	2	ND	19	5.1	325	86.9	28	7.5	0	
Tioga	383	4	ND	22	5.7	327	85.4	30	7.8	0	
Union	374	2	ND	18	4.8	316	84.5	38	10.2	0	
Venango	428	7	ND	27	6.3	345	80.6	49	11.4	0	
Warren	347	2	ND	31	9.8	251	79.4	32	10.1	31	
Washington	1,874	19	1.0	125	6.7	1,588	84.9	139	7.4	3	
Wayne	405	2	ND	22	5.4	334	82.5	47	11.6	0	
Westmoreland	2,910	43	1.5	190	6.5	2,457	84.5	218	7.5	2	
Wyoming	213	3	ND	19	8.9	172	80.8	19	8.9	0	
York	4,841	57	1.2	362	7.5	4,015	83.0	404	8.4	3	

* Percent of total live births for each specified county. Unknowns excluded from calculations.

Notes: Very low birth weight is defined as 1,499 grams and less.

Low birth weight is defined as 2,499 grams and less.

High birth weight is defined as 4,000 grams and more.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

See Technical Notes.

Table B-26
Resident Live Births by Birth Weight and County
Number and Percent*: Pennsylvania, Five-Year Summary, 2018-2022

County	2018-2022	Birth Weight									
		Total Births	< 1,500 Grams	1,500 - 2,499 Grams		2,500 - 3,999 Grams		4,000 Grams and Over		Unknown Weight	
			Number	%	Number	%	Number	%	Number	%	Number
Pennsylvania	663,676	9,279	1.4	46,218	7.0	551,955	83.5	53,888	8.1	2,336	
Adams	4,658	56	1.2	258	5.6	3,858	83.0	476	10.2	10	
Allegheny	62,217	933	1.5	4,591	7.5	51,516	83.8	4,463	7.3	714	
Armstrong	2,839	44	1.6	196	6.9	2,349	83.1	239	8.5	11	
Beaver	7,702	115	1.5	452	5.9	6,420	83.7	684	8.9	31	
Bedford	2,341	23	1.0	124	5.3	1,969	84.2	222	9.5	3	
Berks	22,848	358	1.6	1,502	6.6	19,032	83.3	1,949	8.5	7	
Blair	5,917	61	1.0	347	5.9	4,974	84.2	526	8.9	9	
Bradford	3,174	43	1.4	160	5.0	2,594	81.8	374	11.8	3	
Bucks	28,182	316	1.1	1,621	5.9	23,072	83.6	2,580	9.4	593	
Butler	8,452	60	0.7	497	5.9	7,121	84.7	732	8.7	42	
Cambria	5,958	83	1.4	442	7.4	5,002	84.0	431	7.2	0	
Cameron	151	1	ND	13	8.6	127	84.1	10	6.6	0	
Carbon	2,794	37	1.3	203	7.3	2,319	83.1	233	8.3	2	
Centre	5,569	57	1.0	237	4.3	4,624	83.2	639	11.5	12	
Chester	27,214	244	0.9	1,443	5.3	22,772	83.7	2,739	10.1	16	
Clarion	1,844	16	0.9	99	5.4	1,550	85.2	155	8.5	24	
Clearfield	3,458	39	1.1	260	7.5	2,822	81.7	333	9.6	4	
Clinton	2,061	22	1.1	116	5.6	1,709	82.9	214	10.4	0	
Columbia	2,765	39	1.4	182	6.6	2,293	83.0	250	9.0	1	
Crawford	4,382	65	1.5	302	6.9	3,637	83.4	358	8.2	20	
Cumberland	13,176	123	0.9	794	6.0	10,892	82.8	1,353	10.3	14	
Dauphin	16,626	276	1.7	1,289	7.8	13,753	82.8	1,299	7.8	9	
Delaware	32,010	502	1.6	2,277	7.1	26,567	83.1	2,641	8.3	23	
Elk	1,313	11	0.8	87	6.6	1,124	85.6	91	6.9	0	
Erie	13,595	210	1.5	1,058	7.8	11,443	84.3	862	6.4	22	
Fayette	6,104	91	1.5	503	8.3	5,054	83.1	434	7.1	22	
Forest	128	2	ND	10	8.1	104	84.6	7	ND	5	
Franklin	8,500	105	1.2	543	6.4	7,086	83.6	740	8.7	26	
Fulton	698	6	ND	41	5.9	584	83.9	65	9.3	2	
Greene	1,565	12	0.8	132	8.5	1,308	83.7	110	7.0	3	
Huntingdon	1,967	26	1.3	106	5.4	1,623	82.6	211	10.7	1	
Indiana	3,895	33	0.9	266	6.9	3,247	83.8	331	8.5	18	
Jefferson	2,333	36	1.5	159	6.8	1,929	83.0	201	8.6	8	

(Continued)

Table B-26
Resident Live Births by Birth Weight and County
Number and Percent*: Pennsylvania, Five-Year Summary, 2018-2022

County	2018-2022	Birth Weight									
		Total Births	< 1,500 Grams	1,500 - 2,499 Grams	2,500 - 3,999 Grams	4,000 Grams and Over	Unknown Weight	Number	%	Number	%
Juniata	1,461	20	1.4	74	5.1	1,211	82.9	156	10.7	0	
Lackawanna	10,211	143	1.4	738	7.2	8,486	83.3	826	8.1	18	
Lancaster	34,857	336	1.0	1,878	5.4	28,923	83.0	3,696	10.6	24	
Lawrence	4,095	62	1.5	285	7.0	3,441	84.4	289	7.1	18	
Lebanon	7,860	103	1.3	512	6.5	6,635	84.4	609	7.7	1	
Lehigh	20,567	280	1.4	1,482	7.2	17,249	83.9	1,545	7.5	11	
Luzerne	16,029	229	1.4	1,103	6.9	13,475	84.2	1,206	7.5	16	
Lycoming	5,782	92	1.6	395	6.8	4,765	82.4	528	9.1	2	
McKean	1,765	25	1.4	146	8.3	1,493	84.7	99	5.6	2	
Mercer	5,088	60	1.2	375	7.4	4,275	84.3	364	7.2	14	
Mifflin	2,807	37	1.3	151	5.4	2,300	82.0	317	11.3	2	
Monroe	7,159	110	1.5	536	7.5	5,947	83.3	549	7.7	17	
Montgomery	42,507	477	1.1	2,685	6.3	35,524	83.7	3,778	8.9	43	
Montour	1,076	12	1.1	65	6.0	883	82.1	115	10.7	1	
Northampton	13,930	178	1.3	917	6.6	11,730	84.3	1,082	7.8	23	
Northumberland	4,394	62	1.4	300	6.8	3,615	82.3	416	9.5	1	
Perry	2,502	22	0.9	150	6.0	2,036	81.5	291	11.6	3	
Philadelphia	99,477	2,088	2.1	9,062	9.1	82,580	83.2	5,577	5.6	170	
Pike	2,093	21	1.0	146	7.0	1,728	83.4	178	8.6	20	
Potter	817	4	ND	46	5.6	698	85.6	67	8.2	2	
Schuylkill	6,312	96	1.5	427	6.8	5,262	83.4	523	8.3	4	
Snyder	2,029	18	0.9	97	4.8	1,672	82.5	239	11.8	3	
Somerset	3,201	41	1.3	209	6.5	2,685	84.0	262	8.2	4	
Sullivan	221	4	ND	14	6.3	179	81.0	24	10.9	0	
Susquehanna	1,820	11	0.6	101	5.6	1,557	85.6	150	8.2	1	
Tioga	1,976	22	1.1	104	5.3	1,682	85.3	165	8.4	3	
Union	1,925	14	0.7	90	4.7	1,612	83.8	208	10.8	1	
Venango	2,236	22	1.0	162	7.3	1,800	81.6	221	10.0	31	
Warren	1,844	16	0.9	129	7.5	1,426	82.7	153	8.9	120	
Washington	9,649	103	1.1	603	6.3	8,155	84.8	755	7.9	33	
Wayne	2,035	22	1.1	128	6.3	1,687	83.1	194	9.6	4	
Westmoreland	14,540	198	1.4	944	6.5	12,171	84.2	1,149	7.9	78	
Wyoming	1,150	4	ND	82	7.1	962	83.7	101	8.8	1	
York	23,825	302	1.3	1,772	7.4	19,637	82.5	2,104	8.8	10	

* Percent of total live births for each specified county. Unknowns excluded from calculations.

Notes: Very low birth weight is defined as 1,499 grams and less.

Low birth weight is defined as 2,499 grams and less.

High birth weight is defined as 4,000 grams and more.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

See Technical Notes.

Table B-27
Resident Live Births by Pre-Pregnancy Weight Status* and County
Number and Percent: Pennsylvania, 2022

County	Total Births	Underweight		Normal Weight		Overweight		Obese		Unknown Number
		Number	%	Number	%	Number	%	Number	%	
Pennsylvania	130,302	3,490	2.7	51,952	40.9	33,359	26.3	38,170	30.1	3,331
Adams	942	33	3.5	335	35.8	267	28.5	301	32.2	6
Allegheny	11,831	283	2.5	5,204	45.1	2,955	25.6	3,085	26.8	304
Armstrong	539	11	2.1	180	33.8	117	22.0	224	42.1	7
Beaver	1,519	44	3.0	586	39.4	357	24.0	499	33.6	33
Bedford	473	15	3.2	195	41.8	105	22.5	151	32.4	7
Berks	4,585	124	2.7	1,643	36.2	1,241	27.4	1,527	33.7	50
Blair	1,190	43	3.7	409	35.1	299	25.7	414	35.5	25
Bradford	608	17	2.8	205	33.9	145	24.0	238	39.3	3
Bucks	5,595	128	2.4	2,442	45.3	1,461	27.1	1,362	25.3	202
Butler	1,699	52	3.1	742	44.4	450	26.9	426	25.5	29
Cambria	1,191	38	3.2	428	36.5	290	24.7	417	35.5	18
Cameron	35	0	ND	14	42.4	6	ND	13	39.4	2
Carbon	532	21	4.0	191	36.0	131	24.7	188	35.4	1
Centre	1,120	33	3.0	502	46.2	285	26.2	267	24.6	33
Chester	5,608	125	2.3	2,832	51.3	1,473	26.7	1,087	19.7	91
Clarion	365	16	5.0	124	38.8	66	20.6	114	35.6	45
Clearfield	671	16	2.4	258	39.3	161	24.5	222	33.8	14
Clinton	430	11	2.6	171	40.3	99	23.3	143	33.7	6
Columbia	586	12	2.1	201	34.4	131	22.4	240	41.1	2
Crawford	855	33	4.0	312	38.3	185	22.7	285	35.0	40
Cumberland	2,701	79	3.0	1,019	38.3	760	28.6	802	30.2	41
Dauphin	3,280	77	2.4	1,179	36.8	895	27.9	1,053	32.9	76
Delaware	6,491	153	2.5	2,648	42.8	1,719	27.8	1,665	26.9	306
Elk	243	4	ND	100	41.7	68	28.3	68	28.3	3
Erie	2,652	79	3.0	1,004	38.6	680	26.2	837	32.2	52
Fayette	1,136	45	4.1	368	33.2	269	24.3	426	38.4	28
Forest	20	1	ND	6	ND	6	ND	6	ND	1
Franklin	1,709	36	2.2	619	37.5	442	26.8	552	33.5	60
Fulton	139	7	ND	45	32.8	42	30.7	43	31.4	2
Greene	265	5	ND	83	31.6	66	25.1	109	41.4	2
Huntingdon	384	16	4.3	129	34.5	101	27.0	128	34.2	10
Indiana	735	27	3.8	279	38.8	183	25.5	230	32.0	16
Jefferson	446	10	2.4	150	35.4	113	26.7	151	35.6	22

(Continued)

Table B-27
Resident Live Births by Pre-Pregnancy Weight Status* and County
Number and Percent: Pennsylvania, 2022

County	Total Births	Underweight		Normal Weight		Overweight		Obese		Unknown Number
		Number	%	Number	%	Number	%	Number	%	
Juniata	299	12	4.1	118	40.4	64	21.9	98	33.6	7
Lackawanna	1,967	80	4.1	742	38.0	512	26.2	618	31.7	15
Lancaster	7,095	159	2.3	3,090	45.4	1,774	26.1	1,782	26.2	290
Lawrence	769	27	3.6	272	36.5	183	24.5	264	35.4	23
Lebanon	1,564	44	2.9	619	40.2	414	26.9	464	30.1	23
Lehigh	3,822	95	2.5	1,430	38.0	1,042	27.7	1,201	31.9	54
Luzerne	3,075	96	3.1	1,104	36.2	846	27.7	1,006	33.0	23
Lycoming	1,085	29	2.8	407	38.6	235	22.3	383	36.3	31
McKean	334	12	3.7	123	37.5	91	27.7	102	31.1	6
Mercer	953	33	3.7	347	38.7	192	21.4	325	36.2	56
Mifflin	558	19	4.1	153	32.7	121	25.9	175	37.4	90
Monroe	1,361	24	1.8	471	35.0	370	27.5	479	35.6	17
Montgomery	8,487	185	2.2	3,872	46.5	2,290	27.5	1,977	23.8	163
Montour	229	5	ND	97	42.4	61	26.6	66	28.8	0
Northampton	2,698	56	2.1	1,069	39.8	717	26.7	841	31.3	15
Northumberland	801	27	3.4	278	35.2	200	25.3	285	36.1	11
Perry	502	11	2.2	181	36.6	133	26.9	170	34.3	7
Philadelphia	19,118	551	3.0	7,309	39.6	4,861	26.3	5,728	31.0	669
Pike	461	19	4.2	148	32.8	121	26.8	163	36.1	10
Potter	145	4	ND	58	40.3	34	23.6	48	33.3	1
Schuylkill	1,221	35	2.9	447	36.9	280	23.1	448	37.0	11
Snyder	388	8	ND	147	39.1	102	27.1	119	31.6	12
Somerset	613	19	3.1	209	34.5	167	27.6	210	34.7	8
Sullivan	33	0	ND	12	36.4	5	ND	16	48.5	0
Susquehanna	374	10	2.7	149	40.6	84	22.9	124	33.8	7
Tioga	383	7	ND	131	34.8	84	22.3	154	41.0	7
Union	374	6	ND	173	46.5	97	26.1	96	25.8	2
Venango	428	23	5.6	146	35.3	90	21.7	155	37.4	14
Warren	347	11	3.7	107	36.1	76	25.7	102	34.5	51
Washington	1,874	62	3.4	773	42.1	457	24.9	546	29.7	36
Wayne	405	13	3.2	162	40.3	93	23.1	134	33.3	3
Westmoreland	2,910	67	2.3	1,170	40.7	706	24.6	932	32.4	35
Wyoming	213	5	ND	77	36.5	47	22.3	82	38.9	2
York	4,841	142	3.0	1,758	37.0	1,242	26.2	1,604	33.8	95

*Weight status based on Body Mass Index (BMI) as defined by the Centers for Disease Control (CDC). See Technical Notes.

Notes: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Unknowns excluded from calculations.

Table B-28
Resident Live Births by Education of Mother and County
Number and Percent*: Pennsylvania, 2022

County	Total Births	Highest Education Level Completed										
		Grade 8 Or Less		Grade 9-12 No Diploma		High School Grad/GED		Some College**		College Degree		Unknown
		Number	%	Number	%	Number	%	Number	%	Number	%	Number
Pennsylvania	130,302	5,212	4.0	9,260	7.2	32,666	25.3	30,727	23.8	51,412	39.8	1,025
Adams	942	24	2.6	54	5.7	265	28.2	313	33.3	284	30.2	2
Allegheny	11,831	122	1.0	449	3.8	2,197	18.7	2,443	20.8	6,559	55.7	61
Armstrong	539	32	6.0	23	4.3	158	29.4	157	29.2	167	31.1	2
Beaver	1,519	11	0.7	65	4.3	378	25.0	474	31.3	587	38.7	4
Bedford	473	27	5.7	37	7.9	183	38.9	141	29.9	83	17.6	2
Berks	4,585	126	2.8	470	10.3	1,301	28.6	1,309	28.8	1,340	29.5	39
Blair	1,190	42	3.5	86	7.2	405	34.1	306	25.8	348	29.3	3
Bradford	608	17	2.8	58	9.6	230	38.0	149	24.6	152	25.1	2
Bucks	5,595	61	1.1	158	2.9	875	16.1	1,324	24.3	3,030	55.6	147
Butler	1,699	3	ND	55	3.2	295	17.4	384	22.7	957	56.5	5
Cambria	1,191	8	ND	88	7.4	381	32.1	346	29.1	364	30.7	4
Cameron	35	0	ND	4	ND	11	31.4	7	ND	13	37.1	0
Carbon	532	3	ND	41	7.8	183	34.7	169	32.0	132	25.0	4
Centre	1,120	83	7.4	45	4.0	160	14.3	192	17.1	640	57.1	0
Chester	5,608	372	6.7	223	4.0	668	12.0	785	14.0	3,541	63.4	19
Clarion	365	64	17.6	25	6.9	97	26.6	90	24.7	88	24.2	1
Clearfield	671	41	6.1	49	7.3	233	34.8	174	26.0	172	25.7	2
Clinton	430	71	16.6	41	9.6	142	33.3	91	21.3	82	19.2	3
Columbia	586	10	1.7	50	8.6	166	28.4	158	27.1	200	34.2	2
Crawford	855	211	24.9	77	9.1	233	27.5	157	18.5	170	20.0	7
Cumberland	2,701	89	3.3	188	7.0	612	22.8	608	22.7	1,187	44.2	17
Dauphin	3,280	123	3.8	321	9.9	980	30.2	843	25.9	983	30.2	30
Delaware	6,491	141	2.2	289	4.5	1,356	21.1	1,392	21.7	3,234	50.4	79
Elk	243	4	ND	17	7.0	66	27.2	59	24.3	97	39.9	0
Erie	2,652	49	1.9	269	10.2	850	32.2	599	22.7	869	33.0	16
Fayette	1,136	14	1.2	127	11.3	411	36.6	305	27.2	265	23.6	14
Forest	20	0	ND	0	ND	10	50.0	5	ND	5	ND	0
Franklin	1,709	100	5.9	214	12.6	574	33.8	410	24.1	401	23.6	10
Fulton	139	0	ND	7	ND	57	41.0	44	31.7	31	22.3	0
Greene	265	2	ND	20	7.6	83	31.6	85	32.3	73	27.8	2
Huntingdon	384	16	4.2	36	9.4	149	38.9	89	23.2	93	24.3	1
Indiana	735	155	21.1	28	3.8	196	26.7	162	22.1	192	26.2	2
Jefferson	446	110	24.7	25	5.6	113	25.3	114	25.6	84	18.8	0

(Continued)

Table B-28
Resident Live Births by Education of Mother and County
Number and Percent*: Pennsylvania, 2022

County	Total Births	Highest Education Level Completed									
		Grade 8 Or Less		Grade 9-12 No Diploma		High School Grad/GED		Some College**		College Degree	
		Number	%	Number	%	Number	%	Number	%	Number	%
Juniata	299	58	19.4	37	12.4	108	36.1	55	18.4	41	13.7
Lackawanna	1,967	45	2.3	187	9.6	536	27.5	472	24.2	712	36.5
Lancaster	7,095	1,217	17.2	714	10.1	1,671	23.6	1,351	19.1	2,113	29.9
Lawrence	769	45	5.9	54	7.1	225	29.4	231	30.2	210	27.5
Lebanon	1,564	55	3.5	229	14.7	501	32.1	344	22.1	430	27.6
Lehigh	3,822	57	1.5	313	8.3	993	26.3	1,100	29.1	1,317	34.8
Luzerne	3,075	41	1.3	327	10.7	986	32.4	908	29.8	782	25.7
Lycoming	1,085	36	3.3	88	8.2	346	32.2	288	26.8	318	29.6
McKean	334	19	5.7	32	9.6	127	38.1	74	22.2	81	24.3
Mercer	953	115	12.1	69	7.3	281	29.6	223	23.5	262	27.6
Mifflin	558	155	27.8	32	5.7	198	35.5	96	17.2	77	13.8
Monroe	1,361	12	0.9	66	4.9	370	27.3	493	36.4	413	30.5
Montgomery	8,487	150	1.8	244	2.9	1,066	12.6	1,564	18.5	5,415	64.2
Montour	229	13	5.7	19	8.3	41	17.9	42	18.3	114	49.8
Northampton	2,698	25	0.9	135	5.0	626	23.3	738	27.5	1,157	43.2
Northumberland	801	35	4.4	100	12.6	262	32.9	220	27.6	179	22.5
Perry	502	53	10.6	64	12.8	153	30.6	122	24.4	108	21.6
Philadelphia	19,118	567	3.0	1,823	9.7	6,011	31.8	4,285	22.7	6,192	32.8
Pike	461	1	ND	18	3.9	121	26.4	167	36.5	151	33.0
Potter	145	20	13.8	9	ND	45	31.0	39	26.9	32	22.1
Schuylkill	1,221	14	1.2	153	12.7	404	33.4	349	28.9	289	23.9
Snyder	388	65	16.8	39	10.1	117	30.2	78	20.1	89	22.9
Somerset	613	46	7.5	38	6.2	199	32.5	181	29.6	148	24.2
Sullivan	33	0	ND	0	ND	13	39.4	11	33.3	9	ND
Susquehanna	374	6	ND	28	7.6	133	35.9	106	28.6	97	26.2
Tioga	383	2	ND	30	7.9	134	35.1	111	29.1	105	27.5
Union	374	29	7.8	72	19.4	89	23.9	71	19.1	111	29.8
Venango	428	24	5.6	42	9.9	176	41.3	92	21.6	92	21.6
Warren	347	27	8.6	29	9.2	107	34.1	77	24.5	74	23.6
Washington	1,874	16	0.9	94	5.0	447	24.0	483	25.9	825	44.2
Wayne	405	1	ND	23	5.7	110	27.2	125	30.9	145	35.9
Westmoreland	2,910	11	0.4	136	4.7	617	21.3	866	29.8	1,273	43.9
Wyoming	213	0	ND	19	9.0	67	31.6	53	25.0	73	34.4
York	4,841	121	2.5	358	7.4	1,368	28.3	1,428	29.6	1,555	32.2

* Percent of total live births for each specified county. Unknowns excluded from calculations.

** Includes an associate degree or some college credit, but no degree.

Notes: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting with 2003, the collection process for education data has changed. Some data may not be comparable to previous years.

Please refer to Section F of the Technical Notes for further explanation.

Table B-29
Resident Live Births by Marital Status of Mother and County
Number and Percent: Pennsylvania, 2022

County	Total Births	Married						Unmarried					
		Total Married		Age of Mother (In Years)			Total Unmarried		Age of Mother (In Years)				
		Number	%*	Number	%**	Number	%**	Number	%*	Number	%***	Number	%***
Pennsylvania	130,302	77,961	60.8	226	0.3	77,729	99.7	50,337	39.2	4,140	8.2	46,189	91.8
Adams	942	596	63.3	1	ND	595	99.8	345	36.7	22	6.4	323	93.6
Allegheny	11,831	7,791	65.9	10	0.1	7,781	99.9	4,033	34.1	292	7.2	3,740	92.8
Armstrong	539	339	63.1	1	ND	338	99.7	198	36.9	13	6.6	184	93.4
Beaver	1,519	913	60.3	4	ND	909	99.6	602	39.7	48	8.0	554	92.0
Bedford	473	327	69.6	2	ND	325	99.4	143	30.4	17	11.9	126	88.1
Berks	4,585	2,463	53.9	12	0.5	2,450	99.5	2,107	46.1	187	8.9	1,920	91.1
Blair	1,190	650	54.7	1	ND	649	99.8	539	45.3	54	10.0	485	90.0
Bradford	608	334	54.9	0	ND	334	100.0	274	45.1	38	13.9	236	86.1
Bucks	5,595	3,341	72.4	8	ND	3,333	99.8	1,271	27.6	72	5.7	1,199	94.3
Butler	1,699	1,316	77.5	0	ND	1,316	100.0	381	22.5	42	11.0	339	89.0
Cambria	1,191	626	52.6	2	ND	624	99.7	565	47.4	59	10.4	506	89.6
Cameron	35	17	48.6	0	ND	17	100.0	18	51.4	1	ND	17	94.4
Carbon	532	264	49.8	0	ND	264	100.0	266	50.2	17	6.4	249	93.6
Centre	1,120	907	81.1	3	ND	904	99.7	212	18.9	16	7.5	196	92.5
Chester	5,608	4,217	79.0	5	ND	4,211	99.9	1,122	21.0	86	7.7	1,035	92.3
Clarion	365	245	67.3	2	ND	243	99.2	119	32.7	18	15.1	101	84.9
Clearfield	671	387	57.8	3	ND	384	99.2	282	42.2	24	8.5	258	91.5
Clinton	430	251	58.4	0	ND	251	100.0	179	41.6	17	9.5	162	90.5
Columbia	586	351	60.3	1	ND	350	99.7	231	39.7	24	10.4	207	89.6
Crawford	855	541	63.3	13	2.4	527	97.6	314	36.7	43	13.7	271	86.3
Cumberland	2,701	1,954	72.6	3	ND	1,951	99.8	737	27.4	46	6.2	691	93.8
Dauphin	3,280	1,741	53.2	7	ND	1,734	99.6	1,531	46.8	132	8.6	1,399	91.4
Delaware	6,491	3,904	61.4	4	ND	3,900	99.9	2,454	38.6	157	6.4	2,297	93.6
Elk	243	146	60.1	3	ND	143	97.9	97	39.9	10	10.3	87	89.7
Erie	2,652	1,355	51.2	4	ND	1,351	99.7	1,291	48.8	130	10.1	1,161	89.9
Fayette	1,136	528	46.6	2	ND	526	99.6	606	53.4	71	11.8	533	88.2
Forest	20	14	70.0	0	ND	14	100.0	6	ND	0	ND	6	ND
Franklin	1,709	1,108	65.0	7	ND	1,101	99.4	596	35.0	64	10.7	532	89.3
Fulton	139	80	57.6	0	ND	80	100.0	59	42.4	5	ND	54	91.5
Greene	265	155	58.5	0	ND	155	100.0	110	41.5	14	12.7	96	87.3
Huntingdon	384	227	59.3	0	ND	227	100.0	156	40.7	20	12.8	136	87.2
Indiana	735	489	66.5	6	ND	483	98.8	246	33.5	18	7.3	228	92.7
Jefferson	446	301	67.8	4	ND	297	98.7	143	32.2	7	ND	136	95.1

(Continued)

Table B-29
Resident Live Births by Marital Status of Mother and County
Number and Percent: Pennsylvania, 2022

County	Total Births	Married						Unmarried					
		Total Married		Age of Mother (In Years)			Total Unmarried		Age of Mother (In Years)				
		Number	%*	Number	%**	Number	%**	Number	%*	Number	%***	Number	%***
Juniata	299	224	74.9	1	ND	223	99.6	75	25.1	12	16.0	63	84.0
Lackawanna	1,967	1,008	51.6	1	ND	1,007	99.9	944	48.4	67	7.1	877	92.9
Lancaster	7,095	5,346	75.6	10	0.2	5,335	99.8	1,726	24.4	150	8.7	1,576	91.3
Lawrence	769	425	55.3	2	ND	423	99.5	343	44.7	23	6.7	320	93.3
Lebanon	1,564	980	62.8	4	ND	976	99.6	580	37.2	62	10.7	518	89.3
Lehigh	3,822	2,017	52.9	7	ND	2,010	99.7	1,793	47.1	144	8.0	1,648	92.0
Luzerne	3,075	1,420	46.4	3	ND	1,417	99.8	1,639	53.6	139	8.5	1,499	91.5
Lycoming	1,085	574	53.1	1	ND	573	99.8	507	46.9	50	9.9	457	90.1
McKean	334	163	48.8	2	ND	161	98.8	171	51.2	20	11.7	151	88.3
Mercer	953	557	58.6	4	ND	553	99.3	394	41.4	36	9.1	358	90.9
Mifflin	558	368	66.2	4	ND	364	98.9	188	33.8	13	6.9	175	93.1
Monroe	1,361	677	51.2	0	ND	677	100.0	644	48.8	34	5.3	610	94.7
Montgomery	8,487	6,354	75.4	4	ND	6,350	99.9	2,078	24.6	121	5.8	1,957	94.2
Montour	229	175	76.4	1	ND	174	99.4	54	23.6	4	ND	50	92.6
Northampton	2,698	1,644	61.9	4	ND	1,640	99.8	1,013	38.1	79	7.8	934	92.2
Northumberland	801	411	51.5	0	ND	411	100.0	387	48.5	28	7.2	359	92.8
Perry	502	346	68.9	1	ND	345	99.7	156	31.1	16	10.3	140	89.7
Philadelphia	19,118	8,208	43.5	36	0.4	8,171	99.6	10,680	56.5	916	8.6	9,763	91.4
Pike	461	224	55.6	1	ND	223	99.6	179	44.4	9	ND	170	95.0
Potter	145	96	66.2	1	ND	95	99.0	49	33.8	0	ND	49	100.0
Schuylkill	1,221	609	50.0	4	ND	605	99.3	610	50.0	49	8.0	561	92.0
Snyder	388	287	74.2	1	ND	285	99.7	100	25.8	14	14.0	86	86.0
Somerset	613	371	60.7	3	ND	368	99.2	240	39.3	26	10.8	214	89.2
Sullivan	33	25	75.8	0	ND	25	100.0	8	ND	1	ND	7	ND
Susquehanna	374	210	56.1	2	ND	208	99.0	164	43.9	9	ND	155	94.5
Tioga	383	216	56.4	2	ND	214	99.1	167	43.6	18	10.8	149	89.2
Union	374	285	76.2	2	ND	283	99.3	89	23.8	8	ND	81	91.0
Venango	428	234	54.8	4	ND	230	98.3	193	45.2	22	11.4	171	88.6
Warren	347	229	66.0	1	ND	228	99.6	118	34.0	10	8.5	108	91.5
Washington	1,874	1,229	65.7	0	ND	1,229	100.0	643	34.3	47	7.3	596	92.7
Wayne	405	261	64.6	1	ND	260	99.6	143	35.4	10	7.0	133	93.0
Westmoreland	2,910	1,901	65.3	1	ND	1,900	99.9	1,008	34.7	79	7.8	929	92.2
Wyoming	213	123	58.0	1	ND	122	99.2	89	42.0	6	ND	83	93.3
York	4,841	2,886	59.9	9	ND	2,877	99.7	1,932	40.1	154	8.0	1,778	92.0

* Percent of total live births for each county. Unknowns excluded from calculations.

** Percent of total live births to married mothers for each county. Unknowns excluded from calculations.

*** Percent of total live births to unmarried mothers for each county. Unknowns excluded from calculations.

Notes: Unknown age of mother included in all totals. Unknown marital status included in total births.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table B-30
Resident Live Births by Trimester of First Prenatal Visit and County
Number and Percent*: Pennsylvania, 2022

County	Total Births	Trimester In Pregnancy						Unknown Number	No Prenatal Visits	
		First		Second		Third			Number	%
		Number	%	Number	%	Number	%			
Pennsylvania	130,302	92,012	72.6	24,926	19.7	6,962	5.5	3,587	2,815	2.2
Adams	942	655	70.7	223	24.1	37	4.0	15	12	1.3
Allegheny	11,831	8,820	77.4	1,812	15.9	546	4.8	433	220	1.9
Armstrong	539	385	72.4	90	16.9	47	8.8	7	10	1.9
Beaver	1,519	1,116	76.8	253	17.4	59	4.1	65	26	1.8
Bedford	473	359	78.0	73	15.9	22	4.8	13	6	ND
Berks	4,585	3,566	79.3	759	16.9	136	3.0	88	36	0.8
Blair	1,190	925	79.4	166	14.2	53	4.5	25	21	1.8
Bradford	608	442	73.1	134	22.1	23	3.8	3	6	ND
Bucks	5,595	4,098	75.8	851	15.7	261	4.8	191	194	3.6
Butler	1,699	1,332	79.8	239	14.3	76	4.6	30	22	1.3
Cambria	1,191	920	78.4	174	14.8	62	5.3	17	18	1.5
Cameron	35	23	65.7	9	ND	1	ND	0	2	ND
Carbon	532	430	81.3	66	12.5	26	4.9	3	7	ND
Centre	1,120	849	77.1	171	15.5	64	5.8	19	17	1.5
Chester	5,608	4,090	74.4	1,154	21.0	223	4.1	108	33	0.6
Clarion	365	251	71.9	67	19.2	25	7.2	16	6	ND
Clearfield	671	486	73.5	105	15.9	49	7.4	10	21	3.2
Clinton	430	264	62.9	123	29.3	23	5.5	10	10	2.4
Columbia	586	482	83.1	65	11.2	28	4.8	6	5	ND
Crawford	855	515	62.2	193	23.3	102	12.3	27	18	2.2
Cumberland	2,701	1,791	67.5	656	24.7	175	6.6	47	32	1.2
Dauphin	3,280	2,305	71.1	687	21.2	202	6.2	37	49	1.5
Delaware	6,491	4,443	72.0	1,243	20.1	354	5.7	316	135	2.2
Elk	243	204	85.7	18	7.6	11	4.6	5	5	ND
Erie	2,652	2,170	82.7	314	12.0	108	4.1	29	31	1.2
Fayette	1,136	729	69.6	197	18.8	76	7.3	89	45	4.3
Forest	20	13	68.4	4	ND	2	ND	1	0	ND
Franklin	1,709	1,267	76.0	295	17.7	88	5.3	41	18	1.1
Fulton	139	106	77.9	26	19.1	4	ND	3	0	ND
Greene	265	213	81.0	38	14.4	10	3.8	2	2	ND
Huntingdon	384	295	77.6	63	16.6	17	4.5	4	5	ND
Indiana	735	451	62.2	122	16.8	127	17.5	10	25	3.4
Jefferson	446	275	62.5	86	19.5	53	12.0	6	26	5.9

(Continued)

Table B-30
Resident Live Births by Trimester of First Prenatal Visit and County
Number and Percent*: Pennsylvania, 2022

County	Total Births	Trimester In Pregnancy						Unknown Number	No Prenatal Visits	
		First		Second		Third			Number	%
		Number	%	Number	%	Number	%			
Juniata	299	188	64.8	82	28.3	20	6.9	9	0	ND
Lackawanna	1,967	1,460	76.5	318	16.7	98	5.1	59	32	1.7
Lancaster	7,095	4,369	63.4	2,186	31.7	307	4.5	199	34	0.5
Lawrence	769	491	66.8	185	25.2	41	5.6	34	18	2.4
Lebanon	1,564	1,172	76.2	278	18.1	64	4.2	26	24	1.6
Lehigh	3,822	2,936	77.6	618	16.3	198	5.2	39	31	0.8
Luzerne	3,075	2,196	72.5	575	19.0	185	6.1	47	72	2.4
Lycoming	1,085	716	67.5	275	25.9	60	5.7	25	9	ND
McKean	334	204	63.2	84	26.0	28	8.7	11	7	ND
Mercer	953	574	64.6	225	25.3	84	9.5	65	5	ND
Mifflin	558	337	61.9	112	20.6	81	14.9	14	14	2.6
Monroe	1,361	1,002	75.0	252	18.9	57	4.3	25	25	1.9
Montgomery	8,487	6,430	78.3	1,344	16.4	335	4.1	276	102	1.2
Montour	229	169	74.4	41	18.1	14	6.2	2	3	ND
Northampton	2,698	2,179	81.0	368	13.7	113	4.2	9	29	1.1
Northumberland	801	623	78.2	124	15.6	38	4.8	4	12	1.5
Perry	502	336	68.6	122	24.9	23	4.7	12	9	ND
Philadelphia	19,118	11,333	61.7	4,583	24.9	1,349	7.3	742	1,111	6.0
Pike	461	290	64.4	127	28.2	24	5.3	11	9	ND
Potter	145	97	67.8	35	24.5	11	7.7	2	0	ND
Schuylkill	1,221	912	76.6	192	16.1	64	5.4	31	22	1.8
Snyder	388	263	69.0	96	25.2	20	5.2	7	2	ND
Somerset	613	363	60.3	121	20.1	105	17.4	11	13	2.2
Sullivan	33	22	66.7	7	ND	3	ND	0	1	ND
Susquehanna	374	246	66.3	94	25.3	22	5.9	3	9	ND
Tioga	383	247	66.0	106	28.3	18	4.8	9	3	ND
Union	374	253	68.4	90	24.3	20	5.4	4	7	ND
Venango	428	326	78.4	53	12.7	29	7.0	12	8	ND
Warren	347	196	67.6	64	22.1	22	7.6	57	8	ND
Washington	1,874	1,395	76.6	314	17.2	76	4.2	52	37	2.0
Wayne	405	297	74.4	76	19.0	24	6.0	6	2	ND
Westmoreland	2,910	2,273	79.7	421	14.8	110	3.9	59	47	1.6
Wyoming	213	154	74.4	46	22.2	5	ND	6	2	ND
York	4,841	3,693	77.0	836	17.4	224	4.7	43	45	0.9

* Percent of total live births for each specified county. Unknowns excluded from calculations.

Notes: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting with 2003, the collection process for prenatal care data has changed. Please refer to Section F of the Technical Notes for further explanation.

Table B-31
Resident Live Births by Place of Delivery
Attendant at Birth, and County, Pennsylvania, 2022

County	Total Births	Hospital				Non-Hospital			
		Physician	Midwife	Other	Unknown	Physician	Midwife	Other	Unknown
Pennsylvania	130,302	103,021	19,076	2,199	44	3	4,797	1,140	22
Adams	942	556	346	3	0	0	31	6	0
Allegheny	11,831	10,386	952	200	16	1	234	39	3
Armstrong	539	455	38	16	0	0	26	3	1
Beaver	1,519	1,441	38	11	2	0	24	3	0
Bedford	473	326	83	20	0	0	21	23	0
Berks	4,585	3,281	1,043	36	1	0	210	14	0
Blair	1,190	1,005	114	15	0	0	33	23	0
Bradford	608	444	125	3	1	0	17	18	0
Bucks	5,595	4,923	461	117	0	0	57	37	0
Butler	1,699	1,434	128	100	0	0	33	4	0
Cambria	1,191	738	85	352	0	0	7	7	2
Cameron	35	27	4	2	0	0	0	2	0
Carbon	532	416	95	14	0	0	3	2	2
Centre	1,120	978	38	10	0	0	78	16	0
Chester	5,608	4,995	237	12	2	0	270	92	0
Clarion	365	260	42	13	0	0	42	8	0
Clearfield	671	360	278	2	1	0	25	5	0
Clinton	430	240	117	0	0	0	64	9	0
Columbia	586	379	181	4	0	0	18	4	0
Crawford	855	659	65	3	0	0	121	7	0
Cumberland	2,701	1,577	939	8	0	0	160	17	0
Dauphin	3,280	2,379	806	12	0	0	66	17	0
Delaware	6,491	5,922	410	20	1	0	104	33	1
Elk	243	183	56	3	0	0	0	1	0
Erie	2,652	2,355	250	9	1	1	23	13	0
Fayette	1,136	1,019	91	6	2	0	14	3	1
Forest	20	18	0	2	0	0	0	0	0
Franklin	1,709	974	531	3	1	0	190	10	0
Fulton	139	82	49	2	0	0	6	0	0
Greene	265	218	42	2	0	0	3	0	0
Huntingdon	384	294	64	0	0	0	15	11	0
Indiana	735	541	35	30	0	0	103	26	0
Jefferson	446	201	175	2	0	0	63	5	0

(Continued)

Table B-31
Resident Live Births by Place of Delivery
Attendant at Birth, and County, Pennsylvania, 2022

County	Total Births	Hospital				Non-Hospital			
		Physician	Midwife	Other	Unknown	Physician	Midwife	Other	Unknown
Juniata	299	139	78	0	0	0	72	9	1
Lackawanna	1,967	1,618	320	8	0	0	13	7	1
Lancaster	7,095	3,555	1,843	333	1	0	1,137	226	0
Lawrence	769	657	51	20	0	0	38	3	0
Lebanon	1,564	1,155	234	31	0	0	137	7	0
Lehigh	3,822	3,119	581	81	1	0	30	8	2
Luzerne	3,075	2,602	342	87	0	0	24	17	3
Lycoming	1,085	528	504	2	0	0	44	7	0
McKean	334	249	40	27	0	0	17	1	0
Mercer	953	755	101	15	0	0	73	9	0
Mifflin	558	312	97	2	0	0	139	8	0
Monroe	1,361	1,011	305	7	0	0	17	20	1
Montgomery	8,487	7,071	1,210	38	3	0	114	50	1
Montour	229	182	24	2	0	0	19	2	0
Northampton	2,698	2,484	149	15	0	0	43	7	0
Northumberland	801	522	209	7	0	0	44	19	0
Perry	502	243	171	2	0	0	81	5	0
Philadelphia	19,118	16,713	1,998	99	5	0	179	123	1
Pike	461	317	113	8	1	0	15	6	1
Potter	145	95	13	14	0	1	20	2	0
Schuylkill	1,221	1,002	163	13	0	0	34	9	0
Snyder	388	181	114	5	2	0	71	15	0
Somerset	613	330	80	157	0	0	38	8	0
Sullivan	33	21	9	2	0	0	0	1	0
Susquehanna	374	297	63	5	0	0	5	4	0
Tioga	383	315	52	3	0	0	10	3	0
Union	374	172	121	0	1	0	67	13	0
Venango	428	376	27	3	0	0	21	1	0
Warren	347	172	28	95	0	0	18	33	1
Washington	1,874	1,743	84	13	0	0	28	6	0
Wayne	405	249	140	1	0	0	14	1	0
Westmoreland	2,910	2,657	148	54	1	0	41	9	0
Wyoming	213	164	39	5	0	0	2	3	0
York	4,841	2,949	1,707	13	1	0	131	40	0

Table B-32
Resident Live Births by Smoking Status During Pregnancy and County
Number and Percent*: Pennsylvania, 2022

County	Total Births	Smoking Status During Pregnancy				Unknown Number
		Yes Number	%	No Number	%	
Pennsylvania	130,302	7,711	6.2	117,151	93.8	5,440
Adams	942	45	5.3	807	94.7	90
Allegheny	11,831	657	5.6	11,075	94.4	99
Armstrong	539	74	13.8	463	86.2	2
Beaver	1,519	141	9.4	1,358	90.6	20
Bedford	473	50	11.9	370	88.1	53
Berks	4,585	215	4.7	4,340	95.3	30
Blair	1,190	156	13.2	1,028	86.8	6
Bradford	608	67	13.8	417	86.2	124
Bucks	5,595	168	3.7	4,397	96.3	1,030
Butler	1,699	106	6.3	1,581	93.7	12
Cambria	1,191	164	13.9	1,020	86.1	7
Cameron	35	4	ND	29	87.9	2
Carbon	532	72	13.6	459	86.4	1
Centre	1,120	55	4.9	1,059	95.1	6
Chester	5,608	120	2.3	5,193	97.7	295
Clarion	365	41	11.5	316	88.5	8
Clearfield	671	108	16.2	559	83.8	4
Clinton	430	57	13.5	366	86.5	7
Columbia	586	54	9.3	527	90.7	5
Crawford	855	155	18.4	686	81.6	14
Cumberland	2,701	134	5.0	2,547	95.0	20
Dauphin	3,280	203	6.2	3,058	93.8	19
Delaware	6,491	200	3.2	6,104	96.8	187
Elk	243	40	16.6	201	83.4	2
Erie	2,652	296	11.3	2,332	88.7	24
Fayette	1,136	102	18.3	454	81.7	580
Forest	20	3	ND	17	85.0	0
Franklin	1,709	113	7.5	1,398	92.5	198
Fulton	139	10	9.4	96	90.6	33
Greene	265	22	20.6	85	79.4	158
Huntingdon	384	49	12.8	333	87.2	2
Indiana	735	69	9.4	663	90.6	3
Jefferson	446	60	13.5	386	86.5	0

(Continued)

Table B-32
Resident Live Births by Smoking Status During Pregnancy and County
Number and Percent*: Pennsylvania, 2022

County	Total Births	Smoking Status During Pregnancy				
		Yes Number	Yes %	No Number	No %	Unknown Number
Juniata	299	26	8.7	272	91.3	1
Lackawanna	1,967	192	9.9	1,742	90.1	33
Lancaster	7,095	244	3.5	6,755	96.5	96
Lawrence	769	107	14.6	627	85.4	35
Lebanon	1,564	89	5.7	1,465	94.3	10
Lehigh	3,822	144	3.8	3,611	96.2	67
Luzerne	3,075	245	8.1	2,776	91.9	54
Lycoming	1,085	138	12.9	929	87.1	18
McKean	334	18	11.0	145	89.0	171
Mercer	953	146	15.7	784	84.3	23
Mifflin	558	62	11.3	489	88.7	7
Monroe	1,361	90	6.9	1,211	93.1	60
Montgomery	8,487	235	2.8	8,122	97.2	130
Montour	229	10	4.4	219	95.6	0
Northampton	2,698	114	4.3	2,538	95.7	46
Northumberland	801	101	12.7	692	87.3	8
Perry	502	50	10.0	449	90.0	3
Philadelphia	19,118	584	3.2	17,861	96.8	673
Pike	461	39	12.1	283	87.9	139
Potter	145	13	11.5	100	88.5	32
Schuylkill	1,221	154	12.7	1,054	87.3	13
Snyder	388	28	7.3	357	92.7	3
Somerset	613	77	13.6	488	86.4	48
Sullivan	33	6	ND	27	81.8	0
Susquehanna	374	43	16.0	226	84.0	105
Tioga	383	39	17.3	186	82.7	158
Union	374	21	5.6	351	94.4	2
Venango	428	61	14.3	365	85.7	2
Warren	347	43	15.8	230	84.2	74
Washington	1,874	181	10.0	1,630	90.0	63
Wayne	405	44	11.4	343	88.6	18
Westmoreland	2,910	251	8.7	2,638	91.3	21
Wyoming	213	26	12.4	183	87.6	4
York	4,841	280	6.1	4,279	93.9	282

* Percent of total live births for each specified county. Unknowns excluded from calculations.

Notes: Smoking status is defined as cigarette use.

Some counties may have high numbers of unknown.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting with 2003, the collection process for smoking status data has changed. Please refer to Section F of the Technical Notes for further explanation.

Table B-33
**Resident Live Births by Race and Hispanic Origin of Mother
for Selected Municipalities, Number and Rate: Pennsylvania, 2022**

Municipality	Total Births	Birth Rate*	Race				Hispanic Origin
			White	Black	Asian/ Pacific Islander	Multi-Race	
Pennsylvania	130,302	10.0	89,563	18,045	6,278	3,477	18,070
Allentown	1,622	13.0	561	232	42	62	1,149
Altoona	506	11.7	440	37	3	19	15
Bethel Park	314	9.6	276	10	17	4	9
Bethlehem	696	9.0	388	98	22	22	281
Chambersburg	316	14.3	158	42	5	9	134
Chester	463	13.8	52	310	6	20	102
Easton	278	9.2	130	61	2	18	104
Erie	1,160	12.4	584	311	56	85	144
Harrisburg	786	15.7	180	339	21	40	325
Hazleton	449	15.0	102	29	9	4	389
Johnstown	244	13.5	120	101	2	19	19
Lancaster	796	13.9	374	123	31	43	352
Lebanon	371	14.0	282	14	5	5	212
Monroeville	268	9.5	158	55	31	7	11
Murrysville	158	7.6	144	4	5	4	3
New Castle	234	10.9	155	49	0	25	15
Norristown	560	15.6	134	145	14	19	292
Philadelphia	19,118	12.2	5,840	7,479	1,452	618	4,324
Pittsburgh	2,697	8.9	1,405	819	191	114	148
Plum	240	9.0	206	19	7	3	6
Pottstown	377	16.1	220	94	9	25	58
Reading	1,469	15.5	380	149	12	59	1,203
Scranton	736	9.7	417	107	39	31	254
State College	127	3.1	70	17	23	5	10
West Mifflin	202	10.6	127	47	12	7	10
Wilkes-Barre	503	11.4	185	136	4	11	257
Williamsport	342	12.5	224	85	3	20	21
York	752	16.8	216	215	9	56	382
All Other Areas	94,518	9.5	76,035	6,918	4,246	2,123	7,841

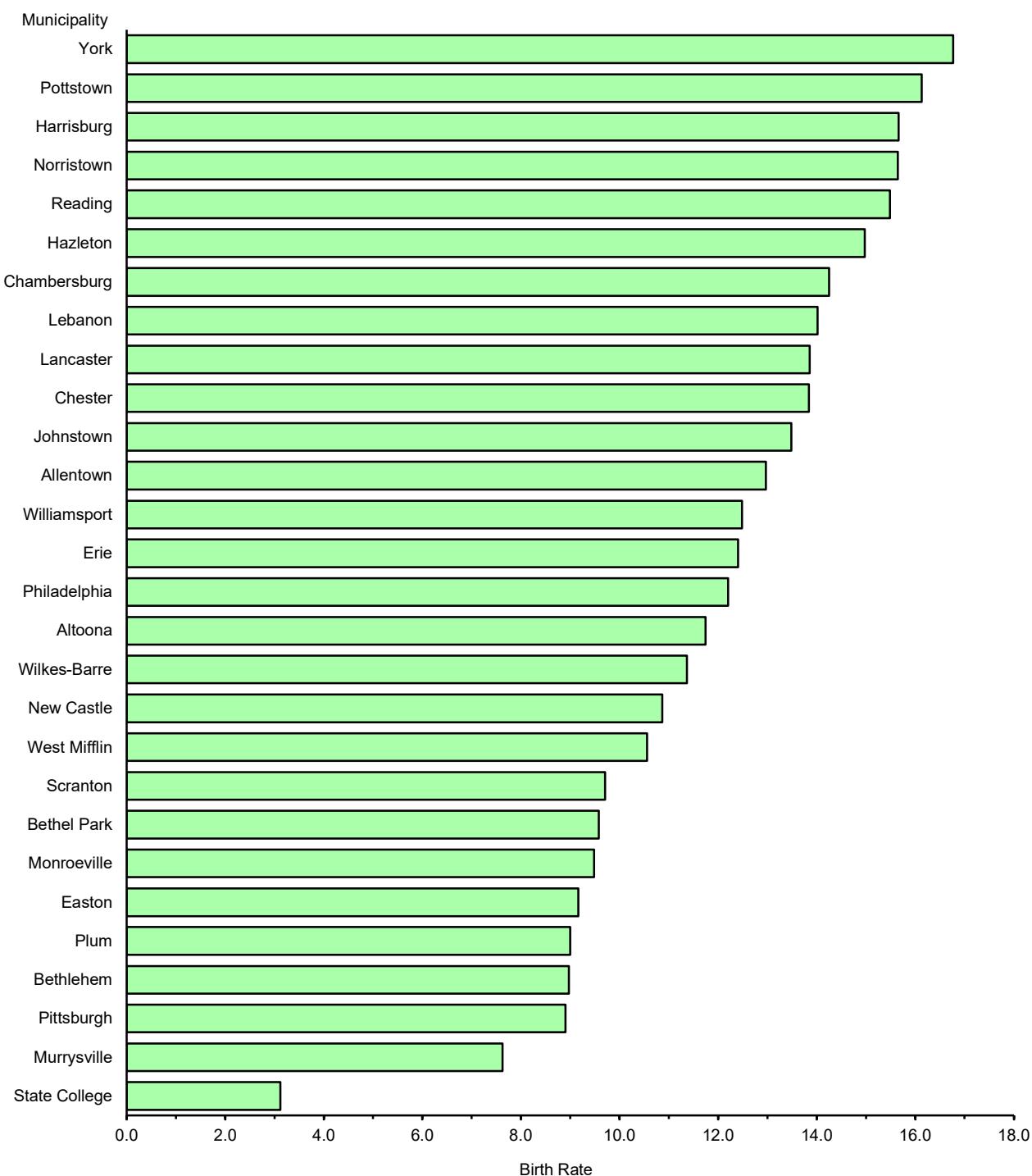
* Birth rate per 1,000 population for each specified area, 2022.

Notes: Hispanic origin can be of any race.

See Technical Notes for criteria used in municipality selection.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Figure B-11
Resident Birth Rates for Selected Municipalities
Pennsylvania, 2022



Note: Rate per 1,000 population, 2022. See Table B-33 for corresponding data.

Table B-34
Resident Live Births by Race and Hispanic Origin of Mother
for Selected Municipalities, Number and Average Annual Rate: Pennsylvania, 2018-2022

Municipality	Total Births 2018-2022	Birth Rate*	Race				Hispanic Origin
			White	Black	Asian/Pacific Islander	Multi-Race	
Pennsylvania	663,676	10.3	461,226	92,690	30,916	21,135	84,334
Allentown	9,228	14.9	3,976	1,349	214	446	6,206
Altoona	2,469	11.4	2,219	133	10	86	53
Bethel Park	1,542	9.4	1,362	36	92	16	34
Bethlehem	3,898	10.2	2,195	496	133	213	1,674
Chambersburg	1,540	14.1	811	190	20	85	580
Chester	2,410	14.5	242	1,721	19	138	409
Easton	1,554	11.0	758	323	28	96	566
Erie	6,151	13.0	3,153	1,609	284	589	794
Harrisburg	4,167	16.7	1,011	1,802	112	384	1,435
Hazleton	2,389	17.1	642	145	39	45	1,964
Johnstown	1,253	13.4	669	455	4	96	66
Lancaster	4,162	14.3	1,956	672	166	323	1,890
Lebanon	1,951	14.8	1,424	107	20	60	1,125
Monroeville	1,405	10.0	821	278	200	48	40
Murrysville	735	7.2	664	16	34	9	11
New Castle	1,384	12.7	962	233	6	146	70
Norristown	2,819	16.0	645	836	60	172	1,292
Philadelphia	99,477	12.6	30,571	40,323	7,506	3,670	20,674
Pittsburgh	14,641	9.7	7,735	4,798	1,103	427	572
Plum	1,227	9.1	1,074	87	33	15	21
Pottstown	1,866	16.2	1,078	446	33	166	251
Reading	7,700	16.7	2,225	778	82	435	6,118
Scranton	4,090	10.7	2,419	541	214	219	1,218
State College	633	3.1	383	41	116	34	46
West Mifflin	1,046	10.7	674	276	26	46	36
Wilkes-Barre	2,654	12.4	1,086	638	37	154	1,104
Williamsport	1,776	12.8	1,195	373	19	146	83
York	3,775	17.0	1,244	961	38	400	1,710
All Other Areas	475,734	9.6	388,032	33,027	20,268	12,471	34,292

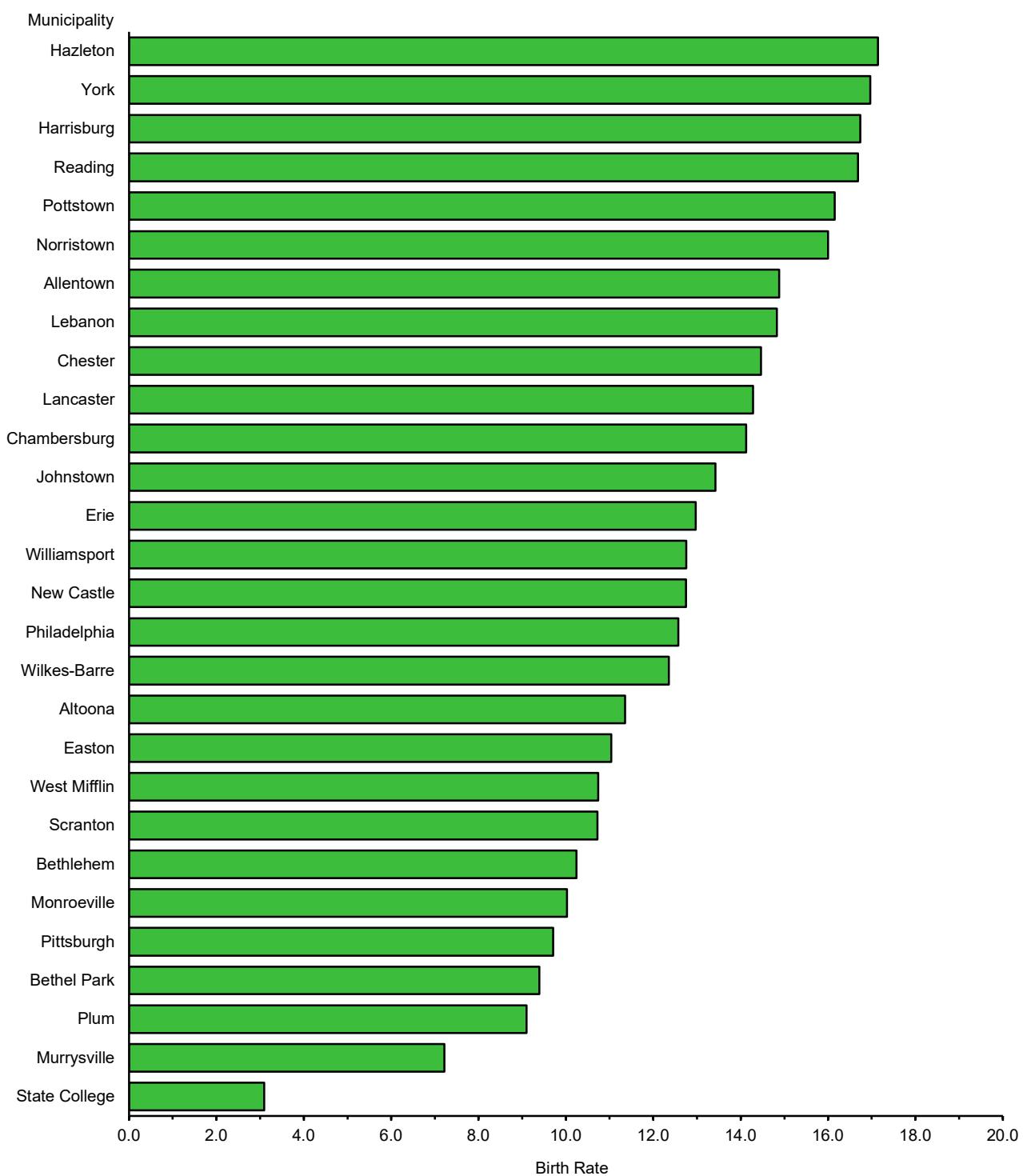
* Birth rate per 1,000 population for each specified area, 2018-2022.

Note: Hispanic origin can be of any race.

See Technical Notes for criteria used in municipality selection.

Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Figure B-12
Resident Average Annual Birth Rates for Selected Municipalities
 Pennsylvania, 2018-2022



Note: Rate per 1,000 population, 2018-2022. See Table B-34 for corresponding data.

Table B-35
Resident Live Births by Age of Mother for Selected Municipalities
Pennsylvania, 2022

Municipality	Total Births	Age of Mother (In Years)									
		Under 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 & Over	Unknown	
Pennsylvania	130,302	52	4,330	19,758	35,515	43,473	22,379	4,410	371	14	
Allentown	1,622	1	116	409	460	388	199	46	3	0	
Altoona	506	1	35	130	169	118	43	7	3	0	
Bethel Park	314	0	2	25	57	150	67	12	1	0	
Bethlehem	696	0	30	111	198	230	108	18	1	0	
Chambersburg	316	1	17	74	119	71	26	8	0	0	
Chester	463	0	41	127	129	108	53	5	0	0	
Easton	278	1	19	51	82	71	43	10	1	0	
Erie	1,160	4	83	304	364	253	121	25	6	0	
Harrisburg	786	0	62	180	233	205	83	21	2	0	
Hazleton	449	0	32	116	138	95	53	15	0	0	
Johnstown	244	1	28	70	71	49	20	5	0	0	
Lancaster	796	0	55	179	203	224	108	23	4	0	
Lebanon	371	0	32	116	107	78	33	4	1	0	
Monroeville	268	1	3	28	75	98	56	7	0	0	
Murrysville	158	0	2	7	27	68	49	5	0	0	
New Castle	234	1	13	60	67	60	29	4	0	0	
Norristown	560	1	38	114	172	150	73	11	1	0	
Philadelphia	19,118	14	944	3,220	4,792	5,975	3,361	742	68	2	
Pittsburgh	2,697	2	97	341	653	937	556	102	9	0	
Plum	240	0	2	14	61	112	45	6	0	0	
Pottstown	377	0	21	67	108	115	55	11	0	0	
Reading	1,469	1	123	413	471	292	131	32	6	0	
Scranton	736	0	41	172	204	187	106	21	5	0	
State College	127	0	5	14	35	44	25	4	0	0	
West Mifflin	202	0	6	33	67	59	34	2	0	1	
Wilkes-Barre	503	0	38	132	142	124	55	12	0	0	
Williamsport	342	0	31	76	110	81	35	9	0	0	
York	752	0	48	223	219	162	81	18	1	0	
All Other Areas	94,518	23	2,366	12,952	25,982	32,969	16,731	3,225	259	11	

Note: See Technical Notes for criteria used in municipality selection.

Table B-36
Resident Live Births by Birth Weight for Selected Municipalities
Number and Percent*: Pennsylvania, 2022

Municipality	Total Births	Birth Weight									
		< 1,500 Grams		1,500 - 2,499 Grams		2,500 - 3,999 Grams		4,000 Grams and Over		Unknown Weight	
		Number	%	Number	%	Number	%	Number	%	Number	
Pennsylvania	130,302	1,828	1.4	9,243	7.1	108,887	83.7	10,089	7.8	255	
Allentown	1,622	20	1.2	143	8.8	1,377	84.9	81	5.0	1	
Altoona	506	11	2.2	36	7.1	429	85.0	29	5.7	1	
Bethel Park	314	7	ND	22	7.0	263	83.8	22	7.0	0	
Bethlehem	696	15	2.2	56	8.0	569	81.8	56	8.0	0	
Chambersburg	316	8	ND	29	9.2	259	82.2	19	6.0	1	
Chester	463	9	ND	63	13.6	378	81.6	13	2.8	0	
Easton	278	6	ND	28	10.1	232	83.5	12	4.3	0	
Erie	1,160	19	1.6	107	9.2	967	83.4	67	5.8	0	
Harrisburg	786	19	2.4	57	7.3	651	82.8	59	7.5	0	
Hazleton	449	7	ND	33	7.3	376	83.7	33	7.3	0	
Johnstown	244	9	ND	41	16.8	185	75.8	9	ND	0	
Lancaster	796	14	1.8	60	7.5	661	83.0	61	7.7	0	
Lebanon	371	11	3.0	31	8.4	310	83.6	19	5.1	0	
Monroeville	268	3	ND	23	8.6	224	83.6	18	6.7	0	
Murrysville	158	2	ND	5	ND	140	88.6	11	7.0	0	
New Castle	234	7	ND	25	10.7	186	79.5	16	6.8	0	
Norristown	560	9	ND	57	10.2	466	83.2	28	5.0	0	
Philadelphia	19,118	415	2.2	1,758	9.2	15,941	83.5	988	5.2	16	
Pittsburgh	2,697	52	1.9	242	9.0	2,245	83.4	153	5.7	5	
Plum	240	1	ND	19	7.9	201	83.8	19	7.9	0	
Pottstown	377	8	ND	29	7.7	312	82.8	28	7.4	0	
Reading	1,469	26	1.8	110	7.5	1,252	85.2	81	5.5	0	
Scranton	736	5	ND	70	9.5	613	83.3	48	6.5	0	
State College	127	1	ND	3	ND	115	91.3	7	ND	1	
West Mifflin	202	5	ND	17	8.5	165	82.1	14	7.0	1	
Wilkes-Barre	503	7	ND	36	7.2	433	86.1	27	5.4	0	
Williamsport	342	4	ND	34	9.9	274	80.1	30	8.8	0	
York	752	12	1.6	86	11.4	619	82.3	35	4.7	0	
All Other Areas	94,518	1,116	1.2	6,023	6.4	79,044	83.8	8,106	8.6	229	

* Percent of total live births for each specified area. Unknowns excluded from calculations.

Notes: See Technical Notes for criteria used in municipality selection.

Very low birth weight is defined as 1,499 grams and less.

Low birth weight is defined as 2,499 grams and less.

High birth weight is defined as 4,000 grams and more.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

See Technical Notes.

Table B-37
Resident Live Births by Education of Mother
for Selected Municipalities, Number and Percent*: Pennsylvania, 2022

Municipality	Total Births	Highest Education Level Completed										
		Grade 8 Or Less		Grade 9-12 No Diploma		High School Grad/GED		Some College**		College Degree		Unknown
		Number	%	Number	%	Number	%	Number	%	Number	%	Number
Pennsylvania	130,302	5,212	4.0	9,260	7.2	32,666	25.3	30,727	23.8	51,412	39.8	1,025
Allentown	1,622	42	2.6	224	14.0	627	39.3	475	29.7	229	14.3	25
Altoona	506	5	ND	55	10.9	204	40.5	130	25.8	110	21.8	2
Bethel Park	314	3	ND	8	ND	34	10.8	59	18.8	210	66.9	0
Bethlehem	696	3	ND	46	6.6	194	28.0	217	31.4	232	33.5	4
Chambersburg	316	33	10.7	39	12.6	113	36.6	72	23.3	52	16.8	7
Chester	463	33	7.4	67	15.0	214	47.9	95	21.3	38	8.5	16
Easton	278	10	3.6	26	9.4	107	38.8	77	27.9	56	20.3	2
Erie	1,160	34	2.9	182	15.8	475	41.2	260	22.5	202	17.5	7
Harrisburg	786	51	6.6	123	15.9	328	42.4	167	21.6	105	13.6	12
Hazleton	449	9	ND	83	19.0	201	46.0	98	22.4	46	10.5	12
Johnstown	244	1	ND	41	16.8	128	52.5	59	24.2	15	6.1	0
Lancaster	796	34	4.3	110	14.0	289	36.9	173	22.1	178	22.7	12
Lebanon	371	3	ND	83	22.6	154	41.8	96	26.1	32	8.7	3
Monroeville	268	1	ND	9	ND	40	15.2	71	26.9	143	54.2	4
Murrysville	158	1	ND	3	ND	10	6.3	17	10.8	127	80.4	0
New Castle	234	2	ND	31	13.3	95	40.8	77	33.0	28	12.0	1
Norristown	560	82	15.1	74	13.6	190	34.9	117	21.5	81	14.9	16
Philadelphia	19,118	567	3.0	1,823	9.7	6,011	31.8	4,285	22.7	6,192	32.8	240
Pittsburgh	2,697	45	1.7	163	6.1	636	23.8	528	19.7	1,302	48.7	23
Plum	240	0	ND	3	ND	27	11.3	55	23.0	154	64.4	1
Pottstown	377	6	ND	35	9.3	125	33.3	110	29.3	99	26.4	2
Reading	1,469	59	4.1	300	20.8	615	42.6	374	25.9	96	6.6	25
Scranton	736	41	5.6	121	16.7	254	35.0	171	23.6	139	19.1	10
State College	127	1	ND	5	ND	21	16.5	15	11.8	85	66.9	0
West Mifflin	202	5	ND	5	ND	71	35.3	62	30.8	58	28.9	1
Wilkes-Barre	503	9	ND	80	16.1	202	40.6	153	30.7	54	10.8	5
Williamsport	342	3	ND	47	13.9	144	42.7	85	25.2	58	17.2	5
York	752	31	4.1	174	23.3	312	41.7	169	22.6	62	8.3	4
All Other Areas	94,518	4,098	4.4	5,300	5.6	20,845	22.2	22,460	23.9	41,229	43.9	586

* Percent of total live births for each specified area. Unknowns excluded from calculations.

** Includes an associate degree or some college credit, but no degree.

Notes: See Technical Notes for criteria used in municipality selection.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting with 2003, the collection process for education data has changed. Some data may not be comparable to previous years.

Please refer to Section F of the Technical Notes for further explanation.

Table B-38
Resident Live Births by Marital Status of Mother
For Selected Municipalities, Number and Percent: Pennsylvania, 2022

Municipality	Total Births	Married						Unmarried					
		Total Married		Age of Mother (In Years)				Total Unmarried		Age of Mother (In Years)			
		Number	%*	19 & Under	Number	%**	Over 19	Number	%*	Number	%***	19 & Under	Over 19
Pennsylvania	130,302	77,961	60.8	226	0.3	77,729	99.7	50,337	39.2	4,140	8.2	46,189	91.8
Allentown	1,622	520	32.1	7	ND	513	98.7	1,100	67.9	110	10.0	990	90.0
Altoona	506	199	39.3	0	ND	199	100.0	307	60.7	36	11.7	271	88.3
Bethel Park	314	267	85.0	0	ND	267	100.0	47	15.0	2	ND	45	95.7
Bethlehem	696	339	49.1	1	ND	338	99.7	352	50.9	29	8.2	323	91.8
Chambersburg	316	145	45.9	0	ND	145	100.0	171	54.1	18	10.5	153	89.5
Chester	463	58	12.7	1	ND	57	98.3	398	87.3	40	10.1	358	89.9
Easton	278	107	39.3	1	ND	106	99.1	165	60.7	19	11.5	146	88.5
Erie	1,160	382	32.9	3	ND	379	99.2	778	67.1	84	10.8	694	89.2
Harrisburg	786	208	26.5	3	ND	205	98.6	577	73.5	59	10.2	518	89.8
Hazleton	449	147	33.0	1	ND	146	99.3	299	67.0	31	10.4	268	89.6
Johnstown	244	41	16.8	0	ND	41	100.0	203	83.2	29	14.3	174	85.7
Lancaster	796	329	41.4	2	ND	327	99.4	465	58.6	53	11.4	412	88.6
Lebanon	371	114	30.7	1	ND	113	99.1	257	69.3	31	12.1	226	87.9
Monroeville	268	173	64.6	0	ND	173	100.0	95	35.4	4	ND	91	95.8
Murrysville	158	135	85.4	0	ND	135	100.0	23	14.6	2	ND	21	91.3
New Castle	234	69	29.5	0	ND	69	100.0	165	70.5	14	8.5	151	91.5
Norristown	560	184	32.9	1	ND	183	99.5	376	67.1	38	10.1	338	89.9
Philadelphia	19,118	8,208	43.5	36	0.4	8,171	99.6	10,680	56.5	916	8.6	9,763	91.4
Pittsburgh	2,697	1,481	55.0	3	ND	1,478	99.8	1,214	45.0	96	7.9	1,118	92.1
Plum	240	189	78.8	0	ND	189	100.0	51	21.3	2	ND	49	96.1
Pottstown	377	151	40.1	0	ND	151	100.0	226	59.9	21	9.3	205	90.7
Reading	1,469	389	26.5	2	ND	387	99.5	1,078	73.5	122	11.3	956	88.7
Scranton	736	263	36.2	1	ND	262	99.6	463	63.8	40	8.6	423	91.4
State College	127	103	81.1	0	ND	103	100.0	24	18.9	5	ND	19	79.2
West Mifflin	202	92	45.5	0	ND	92	100.0	110	54.5	6	ND	103	94.5
Wilkes-Barre	503	159	32.0	1	ND	158	99.4	338	68.0	37	10.9	301	89.1
Williamsport	342	110	32.5	0	ND	110	100.0	228	67.5	31	13.6	197	86.4
York	752	177	23.6	0	ND	177	100.0	574	76.4	48	8.4	526	91.6
All Other Areas	94,518	63,222	68.1	162	0.3	63,055	99.7	29,573	31.9	2,217	7.5	27,350	92.5

* Percent of total live births for each specified area. Unknowns excluded from calculations.

** Percent of total live births to married mothers for each specified area. Unknowns excluded from calculations.

*** Percent of total live births to unmarried mothers for each specified area. Unknowns excluded from calculations.

Notes: Unknown age of mother included in all totals. Unknown marital status included in total births.

See Technical Notes for criteria used in municipality selection.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table B-39
Resident Live Births by Trimester of First Prenatal Visit
For Selected Municipalities, Number and Percent*: Pennsylvania, 2022

Municipality	Total Births	Trimester in Pregnancy						Unknown Number	No Prenatal Visits	
		1st Trimester		2nd Trimester		3rd Trimester			Number	%
Pennsylvania	130,302	92,012	72.6	24,926	19.7	6,962	5.5	3,587	2,815	2.2
Allentown	1,622	1,147	71.5	338	21.1	102	6.4	18	17	1.1
Altoona	506	404	81.5	58	11.7	24	4.8	10	10	2.0
Bethel Park	314	254	81.4	46	14.7	7	ND	2	5	ND
Bethlehem	696	531	76.5	114	16.4	39	5.6	2	10	1.4
Chambersburg	316	228	74.5	58	19.0	17	5.6	10	3	ND
Chester	463	198	46.8	157	37.1	43	10.2	40	25	5.9
Easton	278	202	72.9	53	19.1	18	6.5	1	4	ND
Erie	1,160	881	76.7	183	15.9	66	5.7	11	19	1.7
Harrisburg	786	522	67.5	184	23.8	54	7.0	13	13	1.7
Hazleton	449	305	68.5	96	21.6	33	7.4	4	11	2.5
Johnstown	244	153	64.6	57	24.1	22	9.3	7	5	ND
Lancaster	796	530	70.2	180	23.8	41	5.4	41	4	ND
Lebanon	371	254	68.8	82	22.2	23	6.2	2	10	2.7
Monroeville	268	216	83.1	28	10.8	9	ND	8	7	ND
Murrysville	158	132	85.2	18	11.6	4	ND	3	1	ND
New Castle	234	149	67.1	58	26.1	7	ND	12	8	ND
Norristown	560	272	50.7	195	36.3	52	9.7	23	18	3.4
Philadelphia	19,118	11,333	61.7	4,583	24.9	1,349	7.3	742	1,111	6.0
Pittsburgh	2,697	1,891	73.2	472	18.3	153	5.9	114	67	2.6
Plum	240	205	86.5	26	11.0	5	ND	3	1	ND
Pottstown	377	245	68.1	87	24.2	16	4.4	17	12	3.3
Reading	1,469	1,096	76.2	270	18.8	51	3.5	31	21	1.5
Scranton	736	514	72.8	142	20.1	33	4.7	30	17	2.4
State College	127	91	73.4	23	18.5	10	8.1	3	0	ND
West Mifflin	202	143	72.2	36	18.2	17	8.6	4	2	ND
Wilkes-Barre	503	332	67.9	104	21.3	37	7.6	14	16	3.3
Williamsport	342	213	64.5	87	26.4	25	7.6	12	5	ND
York	752	531	71.3	158	21.2	46	6.2	7	10	1.3
All Other Areas	94,518	69,040	74.9	17,033	18.5	4,659	5.1	2,403	1,383	1.5

* Percent of total live births for each specified area. Unknowns excluded from calculations.

Notes: See Technical Notes for criteria used in municipality selection.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting with 2003, the collection process for prenatal care data has changed. Please refer to Section F of the Technical Notes for further explanation.

Table B-40
Resident Live Births by Smoking Status During Pregnancy
for Selected Municipalities, Number and Percent*: Pennsylvania, 2022

Municipality	Total Births	Smoking Status During Pregnancy				
		Yes Number	%	No Number	%	Unknown Number
Pennsylvania	130,302	7,711	6.2	117,151	93.8	5,440
Allentown	1,622	71	4.5	1,499	95.5	52
Altoona	506	85	16.9	418	83.1	3
Bethel Park	314	9	ND	304	97.1	1
Bethlehem	696	24	3.5	663	96.5	9
Chambersburg	316	7	ND	289	97.6	20
Chester	463	28	6.3	417	93.7	18
Easton	278	16	5.9	256	94.1	6
Erie	1,160	174	15.1	982	84.9	4
Harrisburg	786	66	8.5	715	91.5	5
Hazleton	449	12	2.8	419	97.2	18
Johnstown	244	55	22.7	187	77.3	2
Lancaster	796	54	7.0	721	93.0	21
Lebanon	371	26	7.0	343	93.0	2
Monroeville	268	8	ND	257	97.0	3
Murrysville	158	5	ND	152	96.8	1
New Castle	234	53	23.3	174	76.7	7
Norristown	560	32	5.8	516	94.2	12
Philadelphia	19,118	584	3.2	17,861	96.8	673
Pittsburgh	2,697	208	7.8	2,462	92.2	27
Plum	240	7	ND	232	97.1	1
Pottstown	377	49	13.1	325	86.9	3
Reading	1,469	67	4.6	1,389	95.4	13
Scranton	736	85	11.9	632	88.1	19
State College	127	3	ND	123	97.6	1
West Mifflin	202	20	10.2	176	89.8	6
Wilkes-Barre	503	36	7.3	454	92.7	13
Williamsport	342	61	18.4	271	81.6	10
York	752	63	8.5	678	91.5	11
All Other Areas	94,518	5,803	6.4	84,236	93.6	4,479

* Percent of total live births for each specified area. Unknowns excluded from calculations.

Notes: Smoking status is defined as cigarette use.

See Technical Notes for criteria used in municipality selection. Some municipalities may have high numbers of unknowns.

Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting with 2003, the collection process for smoking status data has changed. Please refer to Section F of the Technical Notes for further explanation.

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Table C-1
Resident Deaths, Live Births, Infant, Neonatal, and Maternal Deaths
Pennsylvania, 1950, 1955, 1960-2022

Year	Total Deaths	Live Births	Infant Deaths	Neonatal Deaths	Maternal Deaths
	Number	Number	Number	Number	Number
2022	147,124	130,302	741	501	19
2021	155,457	132,720	727	501	22
2020	155,551	130,730	726	494	13
2019	133,932	134,247	788	549	18
2018	134,645	135,677	802	569	14
2017	135,577	137,771	840	598	11
2016	132,724	139,356	856	619	16
2015	132,278	140,727	868	618	16
2014	127,773	142,113	850	588	18
2013	128,704	140,424	940	681	17
2012	125,432	140,873	987	699	13
2011	127,122	142,021	930	643	9
2010	123,473	142,370	1,035	736	20
2009	123,924	145,472	1,044	715	20
2008	126,332	148,934	1,090	779	21
2007	123,967	150,322	1,123	739	20
2006	124,460	148,706	1,122	806	18
2005	128,447	145,033	1,047	742	14
2004	126,602	144,194	1,026	692	13
2003	128,890	145,485	1,060	775	19
2002	129,396	142,380	1,081	792	11
2001	129,648	143,404	1,038	736	15
2000	130,092	145,874	1,023	718	13
1999	129,430	144,828	1,025	723	11
1998	126,312	145,606	1,056	745	12
1997	127,414	143,967	1,090	758	10
1996	128,028	147,890	1,145	796	10
1995	126,524	150,848	1,164	797	10
1994	126,761	156,431	1,272	851	8
1993	125,595	159,666	1,357	915	12
1992	122,759	163,523	1,467	978	10
1991	121,581	167,726	1,520	991	12
1990	121,081	171,532	1,627	1,077	11
1989	122,956	168,108	1,696	1,171	13
1988	125,337	165,169	1,615	1,092	8
1987	124,986	162,348	1,654	1,164	8
1986	123,852	160,336	1,628	1,084	14
1985	123,233	160,001	1,734	1,201	11
1984	121,358	156,799	1,634	1,129	12
1983	121,066	157,810	1,764	1,229	10
1982	118,450	161,561	1,853	1,320	8
1981	119,612	160,179	1,902	1,357	7
1980	123,233	158,670	2,095	1,529	12
1979	117,097	157,533	2,118	1,548	12
1978	119,279	151,438	2,031	1,540	19
1977	118,853	153,415	2,137	1,608	19
1976	120,882	148,004	2,276	1,746	26
1975	120,459	148,942	2,423	1,855	10
1974	122,943	151,458	2,584	2,013	11
1973	126,483	153,272	2,607	1,980	21
1972	127,136	163,110	2,912	2,244	20
1971	126,597	180,939	3,314	2,548	36
1970	126,564	192,154	3,879	3,027	40
1969	126,704	185,046	3,865	3,003	37
1968	130,802	185,729	4,015	3,154	33
1967	125,494	188,706	4,158	3,261	48
1966	126,820	195,869	4,323	3,354	50
1965	125,670	204,105	4,737	3,592	44
1964	123,845	218,515	5,029	3,869	62
1963	126,199	221,537	5,178	3,979	69
1962	122,989	226,393	5,370	4,135	60
1961	120,543	240,172	5,639	4,357	71
1960	121,163	241,099	5,921	4,557	76
1955	113,458	242,591	5,962	4,649	94
1950	110,212	221,635	6,126	4,578	170

Table C-2
Rates* for Deaths, Live Births, Infant, Neonatal, and Maternal Deaths
Pennsylvania and United States, 1950, 1955, 1960-2022

Year	Total Death Rate		Live Birth Rate		Infant Mortality Rate		Neonatal Mortality Rate		Maternal Mortality Rate	
	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.
2022	11.3	9.8	10.0	11.0	5.7	5.6	3.8	3.6	14.6	22.3
2021	12.0	10.4	10.2	11.0	5.5	5.4	3.8	3.5	16.6	32.9
2020	12.0	10.3	10.1	11.0	5.6	5.4	3.8	3.6	9.9	23.8
2019	10.5	8.7	10.5	11.4	5.9	5.6	4.1	3.7	13.4	20.1
2018	10.5	8.7	10.6	11.6	5.9	5.6	4.2	3.8	10.3	17.4
2017	10.6	8.6	10.8	11.8	6.1	5.8	4.3	3.8	8.0	NA
2016	10.4	8.5	10.9	12.2	6.1	5.9	4.4	3.9	11.5	NA
2015	10.3	8.4	11.0	12.4	6.2	5.9	4.4	3.9	11.4	NA
2014	10.0	8.2	11.1	12.5	6.0	5.8	4.1	3.9	12.7	NA
2013	10.1	8.2	11.0	12.4	6.7	6.0	4.8	4.0	12.1	NA
2012	9.8	8.1	11.0	12.6	7.0	6.0	5.0	4.0	9.2	NA
2011	10.0	8.1	11.1	12.7	6.5	6.1	4.5	4.1	ND	NA
2010	9.7	8.0	11.2	13.0	7.3	6.1	5.2	4.0	14.0	NA
2009	9.8	7.9	11.5	13.5	7.2	6.4	4.9	4.2	13.7	NA
2008	10.1	8.1	12.0	14.0	7.3	6.6	5.2	4.3	14.1	NA
2007	10.0	8.0	12.1	14.3	7.5	6.8	4.9	4.4	13.3	12.7
2006	10.0	8.1	12.0	14.2	7.5	6.7	5.4	4.5	12.1	13.3
2005	10.3	8.3	11.7	14.0	7.2	6.9	5.1	4.5	9.7	15.1
2004	10.2	8.2	11.6	14.0	7.1	6.8	4.8	4.5	9.0	13.1
2003	10.4	8.3	11.8	14.1	7.3	6.9	5.3	4.6	13.1	12.1
2002	10.5	8.5	11.5	13.9	7.6	7.0	5.6	4.7	7.7	8.9
2001	10.6	8.5	11.7	14.1	7.2	6.8	5.1	4.5	10.5	9.9
2000	10.6	8.5	11.9	14.4	7.0	6.9	4.9	4.6	8.9	9.8
1999	10.8	8.8	12.1	14.5	7.1	7.1	5.0	4.7	7.6	9.9
1998	10.5	8.6	12.1	14.6	7.3	7.2	5.1	4.8	8.2	7.1
1997	10.6	8.6	12.0	14.5	7.6	7.2	5.3	4.8	6.9	8.4
1996	10.6	8.7	12.3	14.7	7.7	7.3	5.4	4.8	6.8	7.6
1995	10.5	8.8	12.5	14.8	7.7	7.6	5.3	4.9	6.6	7.1
1994	10.5	8.8	13.0	15.2	8.1	8.0	5.4	5.1	ND	8.3
1993	10.4	8.8	13.3	15.5	8.5	8.4	5.7	5.3	7.5	7.5
1992	10.2	8.5	13.6	15.9	9.0	8.5	6.0	5.4	6.1	7.8
1991	10.2	8.6	14.0	16.3	9.1	8.9	5.9	5.6	7.2	7.9
1990	10.2	8.6	14.4	16.7	9.5	9.2	6.3	5.8	6.4	8.2
1989	10.2	8.7	14.0	16.4	10.1	9.8	7.0	6.2	7.7	7.9
1988	10.4	8.8	13.8	16.0	9.8	10.0	6.6	6.3	ND	8.4
1987	10.5	8.7	13.6	15.7	10.2	10.1	7.2	6.5	ND	6.6
1986	10.4	8.7	13.5	15.6	10.2	10.4	6.8	6.7	8.7	7.2
1985	10.4	8.7	13.5	15.8	10.8	10.6	7.5	7.0	6.9	7.8
1984	10.2	8.6	13.2	15.6	10.4	10.8	7.2	7.0	7.7	7.8
1983	10.2	8.6	13.3	15.6	11.2	11.2	7.8	7.3	6.3	8.0
1982	10.0	8.5	13.6	15.9	11.5	11.5	8.2	7.7	ND	7.9
1981	10.1	8.6	13.5	15.8	11.9	11.9	8.5	8.0	ND	8.5
1980	10.4	8.8	13.4	15.9	13.2	12.6	9.6	8.5	7.6	9.2
1979	10.0	8.5	13.4	15.6	13.4	13.1	9.8	8.9	7.6	9.6
1978	10.2	8.7	12.9	15.0	13.4	13.8	10.2	9.5	12.5	9.6
1977	10.0	8.6	13.0	15.1	13.9	14.1	10.4	9.9	12.4	11.2
1976	10.2	8.8	12.5	14.6	15.4	15.2	11.8	10.9	17.6	12.3
1975	10.2	8.8	12.6	14.6	16.3	16.1	12.5	11.6	6.7	12.8
1974	10.4	9.1	12.8	14.8	17.1	16.7	13.3	12.3	7.3	14.6
1973	10.6	9.3	12.9	14.8	17.0	17.7	12.9	13.0	13.7	15.2
1972	10.7	9.4	13.7	15.6	17.9	18.5	13.8	13.6	12.3	18.8
1971	10.7	9.3	15.1	17.2	18.3	19.1	14.1	14.2	19.9	18.8
1970	10.7	9.5	16.3	18.4	20.2	20.0	15.8	15.1	20.8	21.5
1969	10.7	9.5	15.7	17.9	20.9	20.9	16.2	15.6	20.0	22.2
1968	11.1	9.7	15.8	17.6	21.6	21.8	17.0	16.1	17.8	24.5
1967	10.8	9.4	16.2	17.8	22.0	22.4	17.3	16.5	25.4	28.0
1966	10.9	9.5	16.8	18.4	22.1	23.7	17.1	17.2	25.5	29.1
1965	10.9	9.4	17.7	19.4	23.2	24.7	17.6	17.7	21.6	31.6
1964	10.8	9.4	19.1	21.1	23.0	24.8	17.7	17.9	28.4	33.3
1963	11.0	9.6	19.4	21.7	23.4	25.2	17.5	18.2	31.1	35.8
1962	10.8	9.5	19.9	22.4	23.7	25.3	18.2	18.3	26.5	35.2
1961	10.5	9.3	20.9	23.3	23.5	25.3	18.1	18.4	29.6	36.9
1960	10.7	9.5	21.3	23.7	24.6	26.0	18.9	18.7	31.5	37.1
1955	10.2	9.3	21.8	25.0	24.6	26.4	19.2	19.1	38.7	47.0
1950	10.5	9.6	21.1	24.1	27.6	29.2	20.6	20.5	76.7	83.3

* Total death and live birth rates per 1,000 population. Infant and neonatal mortality rates per 1,000 live births.

Maternal mortality rate per 100,000 live births. For more information on maternal deaths, please refer to the Technical Notes.

Notes: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

See Technical Notes. NA=Data not available.

Figure C-1
Crude Death Rates
Pennsylvania and United States, 1950-2022

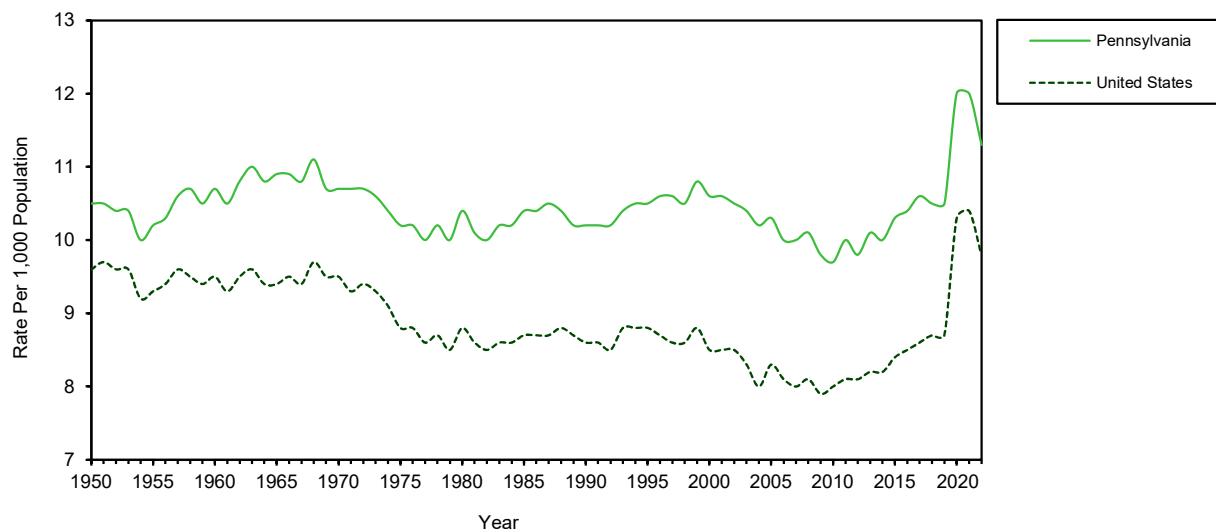


Figure C-2
Infant and Neonatal Mortality Rates
Pennsylvania and United States, 1950-2022

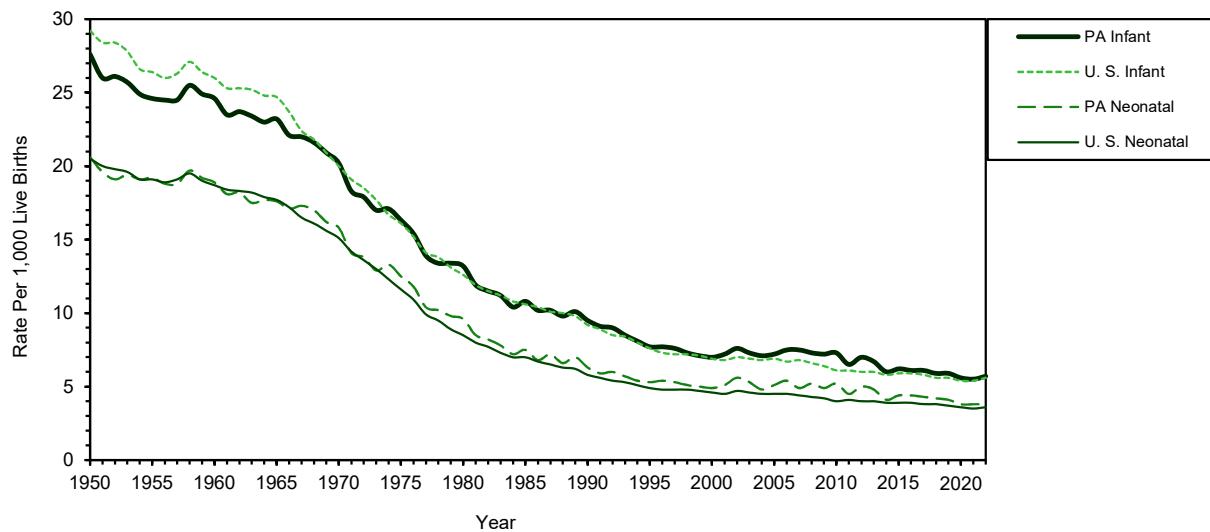


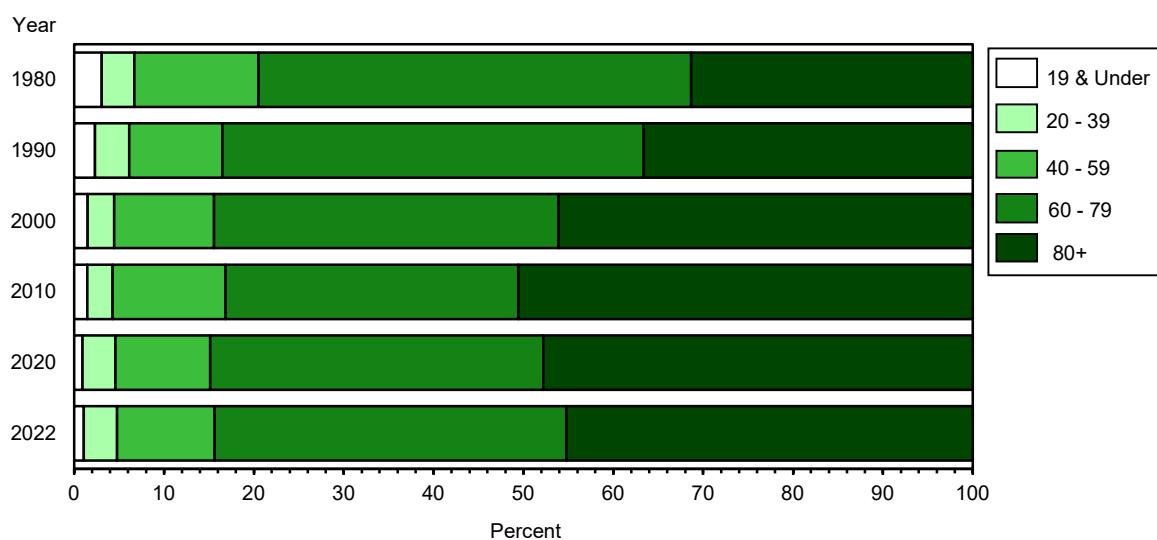
Table C-3
Resident Deaths by Age Group, Number and Rate*
Pennsylvania, 2022, 2020, 2010, 2000, 1990, 1980

Age Group (In Years)	2022		2020		2010		2000		1990		1980	
	Number	Rate										
All Ages	147,124	11.3	155,551	12	123,473	9.7	130,092	10.6	121,081	10.2	123,233	10.4
Under 5	886	1.3	870	1.3	1,162	1.6	1,185	1.6	1,914	2.4	2,435	3.3
5 - 9	95	0.1	77	0.1	69	0.1	137	0.2	164	0.2	222	0.3
10 - 14	129	0.2	105	0.1	106	0.1	147	0.2	164	0.2	229	0.2
15 - 19	456	0.5	408	0.5	458	0.5	505	0.6	538	0.7	879	0.8
20 - 24	726	0.9	827	1	829	0.9	707	0.9	785	0.9	1,251	1.2
25 - 29	1,160	1.4	1,325	1.6	817	1.0	692	0.9	1,048	1.1	1,058	1.1
30 - 34	1,609	1.8	1,680	1.9	807	1.1	945	1.1	1,328	1.3	1,069	1.3
35 - 39	1,942	2.3	1,854	2.3	1,059	1.4	1,497	1.6	1,478	1.6	1,154	1.7
40 - 44	2,228	2.8	2,052	2.7	1,719	2.0	2,338	2.3	1,870	2.3	1,573	2.7
45 - 49	2,654	3.7	2,775	3.6	3,111	3.3	3,062	3.4	2,409	3.7	2,714	4.5
50 - 54	4,247	5.2	4,440	5.3	4,703	4.8	4,070	5.1	3,191	5.7	4,868	7.0
55 - 59	6,881	8.0	7,151	7.8	5,978	6.8	4,970	8.0	5,092	9.2	7,826	11.0
60 - 64	10,608	11.8	10,697	11.7	7,527	10.1	6,458	12.6	8,991	14.8	11,226	17.7
65 - 69	13,221	16.2	13,047	16.5	8,669	15.7	9,021	18.8	12,893	21.8	14,379	26.8
70 - 74	15,699	24.0	16,020	25.4	10,336	24.2	14,377	29.4	16,270	33.9	16,533	40.6
75 - 79	18,063	38.7	17,905	42.7	13,715	37.9	20,028	47.4	18,619	51.5	17,174	60.9
80 - 84	19,092	64.5	19,821	71.2	19,301	61.9	21,927	75.6	17,990	79.6	16,393	93.7
85 +	47,424	152.8	54,495	181.7	43,095	141.0	38,026	160.1	26,337	153.3	22,250	171.2
Unknown	4	-	2	-	12	-	**	**	**	**	**	**

* Rate per 1,000 population in each age group.

**Unknown age included in the 85+ year age group for 1980, 1990, and 2000.

Figure C-3
Resident Deaths, Percent by Age Group
Pennsylvania, 1970, 1980, 1990, 2000, 2010, 2020, and 2022



Note: Unknowns excluded from calculations for 2010, 2020, and 2022.

Figure C-4
Vital Events Summary Chart

The following figures represent an average day of vital events in 2022 for Pennsylvania residents:

Population as of July 1, 2022	12,972,008
Number Per Day	
Live Births	357
Abortions	86
Deaths	403
By Cause of Death*	
Diseases of Heart	88
Cancer	75
Accidents	27
Nontransport Accidents	23
Motor Vehicle Accidents	4
Cerebrovascular Disease	19
Chronic Lower Respiratory Disease	16
Alzheimer's Disease	11
Diabetes Mellitus	11
Nephritis, Nephrotic Syndrome & Nephrosis	9
Influenza & Pneumonia	5
Septicemia	7
Parkinson's Disease	5
Intentional Self-harm (Suicide)	5
Chronic Liver Disease and Cirrhosis	5
All Other Causes	119

*Column does not equal total deaths per day due to rounding.

Table C-4A
Resident Deaths by Age and Sex, Number and Rate*
Pennsylvania, 2022

Age Group (In Years)	Total**		Male		Female	
	Number	Rate	Number	Rate	Number	Rate
All Ages	147,124	11.3	74,902	11.7	72,218	11.0
Under 5	886	1.3	491	1.4	393	1.2
5 - 9	95	0.1	49	0.1	46	0.1
10 - 14	129	0.2	79	0.2	50	0.1
15 - 19	456	0.5	333	0.8	123	0.3
20 - 24	726	0.9	526	1.2	200	0.5
25 - 29	1,160	1.4	838	2.0	322	0.8
30 - 34	1,609	1.8	1,117	2.5	492	1.1
35 - 39	1,942	2.3	1,313	3.1	629	1.5
40 - 44	2,228	2.8	1,416	3.6	812	2.1
45 - 49	2,654	3.7	1,594	4.4	1,060	3.0
50 - 54	4,247	5.2	2,564	6.2	1,683	4.1
55 - 59	6,881	8.0	4,301	10.0	2,580	5.9
60 - 64	10,608	11.8	6,301	14.3	4,306	9.4
65 - 69	13,221	16.2	7,764	19.8	5,457	12.9
70 - 74	15,699	24.0	8,860	28.9	6,839	19.6
75 - 79	18,063	38.7	9,757	46.7	8,306	32.3
80 - 84	19,092	64.5	9,463	77.5	9,628	55.4
85 +	47,424	152.8	18,135	176.6	29,289	141.0
Unknown	4	ND	1	ND	3	ND

* Rate per 1,000 population for each specified age group and sex, 2022.

**Total includes any unknown sex.

Table C-4B
Resident Deaths by Age and Sex - White Race
Number and Rate*: Pennsylvania, 2022

Age Group (In Years)	Total**		Male		Female	
	Number	Rate	Number	Rate	Number	Rate
All Ages	126,539	12.1	63,921	12.3	62,617	11.8
Under 5	492	1.0	282	1.1	210	0.9
5 - 9	52	0.1	27	0.1	25	0.1
10 - 14	81	0.1	48	0.2	33	0.1
15 - 19	236	0.4	161	0.5	75	0.2
20 - 24	400	0.6	279	0.9	121	0.4
25 - 29	750	1.2	529	1.7	221	0.7
30 - 34	1,053	1.6	705	2.0	348	1.1
35 - 39	1,367	2.1	918	2.7	449	1.4
40 - 44	1,607	2.6	1,022	3.2	585	1.9
45 - 49	1,956	3.3	1,183	4.0	773	2.7
50 - 54	3,243	4.8	1,948	5.7	1,295	3.9
55 - 59	5,417	7.4	3,404	9.3	2,013	5.5
60 - 64	8,591	11.0	5,101	13.2	3,489	8.8
65 - 69	10,985	15.3	6,472	18.6	4,513	12.2
70 - 74	13,386	22.9	7,600	27.5	5,786	18.8
75 - 79	15,980	38.0	8,707	45.7	7,273	31.6
80 - 84	17,185	64.4	8,631	77.6	8,554	54.9
85 +	43,756	154.5	16,903	179.3	26,853	142.2
Unknown	2	ND	1	ND	1	ND

* Rate per 1,000 white population for each specified age group and sex, 2022.

** Total includes any unknown sex.

Note: Starting in 2013, the categorization of race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-4C
Resident Deaths by Age and Sex - Black Race
Number and Rate*: Pennsylvania, 2022

Age Group (In Years)	Total**		Male		Female	
	Number	Rate	Number	Rate	Number	Rate
All Ages	15,258	9.6	8,018	10.5	7,239	8.9
Under 5	222	2.0	114	2.1	107	2.0
5 - 9	32	0.3	15	0.3	17	0.3
10 - 14	26	0.2	17	0.3	9	ND
15 - 19	146	1.2	119	2.0	27	0.5
20 - 24	231	1.9	175	2.8	56	0.9
25 - 29	282	2.3	222	3.5	60	1.0
30 - 34	384	2.9	287	4.3	97	1.5
35 - 39	417	3.9	278	5.3	139	2.6
40 - 44	457	4.7	275	5.9	182	3.6
45 - 49	485	5.7	262	6.4	223	5.1
50 - 54	724	8.0	433	9.9	291	6.2
55 - 59	1,122	12.5	674	15.9	448	9.4
60 - 64	1,638	19.4	978	25.3	660	14.4
65 - 69	1,768	25.7	1,023	34.0	745	19.3
70 - 74	1,783	35.2	942	45.6	841	28.0
75 - 79	1,559	48.5	774	62.7	785	39.7
80 - 84	1,342	66.5	590	84.3	752	57.1
85 +	2,639	134.6	840	155.9	1,799	126.5
Unknown	1	ND	0	ND	1	ND

* Rate per 1,000 black population for each specified age group and sex, 2022.

** Total includes any unknown sex.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting in 2013, the categorization of race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table C-4D
Resident Deaths by Age and Sex - Asian/Pacific Islander Races
Number and Rate*: Pennsylvania, 2022

Age Group (In Years)	Total**		Male		Female	
	Number	Rate	Number	Rate	Number	Rate
All Ages	1,637	3.0	879	3.3	757	2.7
Under 5	26	0.8	17	1.0	9	ND
5 - 9	0	ND	0	ND	0	ND
10 - 14	3	ND	2	ND	1	ND
15 - 19	9	ND	8	ND	1	ND
20 - 24	16	0.4	12	0.6	4	ND
25 - 29	18	0.5	17	0.9	1	ND
30 - 34	22	0.5	13	0.6	9	ND
35 - 39	21	0.4	14	0.6	7	ND
40 - 44	19	0.4	15	0.7	4	ND
45 - 49	39	1.0	27	1.5	12	0.6
50 - 54	81	2.4	54	3.3	27	1.5
55 - 59	91	3.2	63	4.7	28	1.9
60 - 64	92	3.8	66	5.8	26	2.1
65 - 69	142	7.1	80	8.7	62	5.7
70 - 74	155	10.0	97	13.9	58	6.8
75 - 79	186	18.0	96	20.4	90	16.0
80 - 84	236	36.6	108	35.9	127	37.0
85+	481	87.4	190	85.0	291	89.1
Unknown	0	-	0	-	0	-

* Rate per 1,000 Asian/Pacific Islander population for each specified age group and sex, 2022

** Total includes any unknown sex.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-4E
Resident Deaths by Age and Sex - Multi-Race
Number and Rate*: Pennsylvania, 2022

Age Group (In Years)	Total**		Male		Female	
	Number	Rate	Number	Rate	Number	Rate
All Ages	366	1.2	209	1.4	157	1.0
Under 5	46	1.1	24	1.2	22	1.1
5 - 9	0	ND	0	ND	0	ND
10 - 14	4	ND	2	ND	2	ND
15 - 19	9	ND	6	ND	3	ND
20 - 24	21	0.7	15	1.0	6	ND
25 - 29	15	0.6	13	1.1	2	ND
30 - 34	23	1.2	15	1.5	8	ND
35 - 39	14	0.9	9	ND	5	ND
40 - 44	15	1.2	9	ND	6	ND
45 - 49	16	1.6	9	ND	7	ND
50 - 54	15	1.6	11	2.4	4	ND
55 - 59	19	2.4	12	3.2	7	ND
60 - 64	18	2.7	10	3.2	8	ND
65 - 69	25	4.5	12	4.7	13	4.3
70 - 74	36	9.5	21	12.4	15	7.2
75 - 79	26	10.7	11	10.8	15	10.7
80 - 84	22	14.2	10	14.9	12	13.7
85 +	42	29.5	20	41.8	22	23.3
Unknown	0	-	0	-	0	-

* Rate per 1,000 Multi-Race population for each specified age group and sex, 2022.

** Total includes any unknown sex.

Notes: Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-4F
Resident Deaths by Age and Sex - Hispanic Origin
Number and Rate*: Pennsylvania, 2022

Age Group (In Years)	Total**		Male		Female	
	Number	Rate	Number	Rate	Number	Rate
All Ages	4,113	3.7	2,341	4.1	1,772	3.2
Under 5	135	1.3	72	1.4	63	1.2
5 - 9	15	0.1	8	ND	7	ND
10 - 14	16	0.2	11	0.2	5	ND
15 - 19	66	0.7	51	1.0	15	0.3
20 - 24	90	0.9	68	1.4	22	0.5
25 - 29	119	1.4	82	1.8	37	0.9
30 - 34	173	2.0	133	2.8	40	1.0
35 - 39	184	2.2	142	3.3	42	1.1
40 - 44	174	2.3	123	3.1	51	1.4
45 - 49	195	3.0	141	4.3	54	1.7
50 - 54	258	4.6	167	6.0	91	3.3
55 - 59	296	6.2	197	8.5	99	4.1
60 - 64	337	9.1	188	10.3	149	8.0
65 - 69	334	12.4	192	15.1	142	10.0
70 - 74	371	20.5	214	25.9	157	15.9
75 - 79	364	30.3	192	37.5	172	25.0
80 - 84	359	52.6	142	52.5	217	52.7
85+	626	97.1	218	91.4	408	100.5
Unknown	1	-	0	-	1	-

* Rate per 1,000 Hispanic population for each specified age group and sex, 2022.

** Total includes any unknown sex.

Notes: Hispanic origin can be of any race.

Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-5
Age-Adjusted Death Rates* by Sex
Pennsylvania Residents, 1970, 1975-2022

Year	Total	Male**	Female
2022	8.2	9.8	6.8
2021	9.0	10.8	7.4
2020	8.9	10.6	7.5
2019	7.5	9.0	6.3
2018	7.6	9.1	6.4
2017	7.8	9.3	6.5
2016	7.7	9.2	6.4
2015	7.7	9.1	6.5
2014	7.5	8.9	6.3
2013	7.6	9.0	6.4
2012	7.5	9.0	6.3
2011	7.7	9.2	6.5
2010	7.6	9.1	6.4
2009	7.7	9.3	6.5
2008	8.1	9.9	6.9
2007	8.4	10.3	7.0
2006	8.5	10.6	7.1
2005	8.4	10.3	7.1
2004	8.4	10.2	7.1
2003	8.7	10.7	7.3
2002	8.9	10.8	7.4
2001	8.6	10.5	7.3
2000	8.9	10.9	7.4
1999	8.7	10.5	7.3
1998	8.6	10.5	7.1
1997	8.8	10.8	7.3
1996	9.1	11.3	7.5
1995	9.1	11.4	7.4
1994	9.1	11.4	7.5
1993	9.4	11.8	7.6
1992	9.1	11.5	7.4
1991	9.2	11.7	7.5
1990	9.5	12.2	7.6
1989	9.2	11.6	7.5
1988	9.5	12.0	7.7
1987	9.7	12.2	7.8
1986	9.7	12.2	7.8
1985	9.8	12.5	7.9
1984	9.9	12.7	8.0
1983	10.1	12.9	8.1
1982	10.1	13.0	8.0
1981	10.4	13.4	8.3
1980	11.0	14.3	8.8
1979	10.6	13.8	8.4
1978	11.0	14.4	8.7
1977	11.1	14.5	8.8
1976	11.6	15.0	9.1
1975	11.5	15.0	9.1
1970	13.0	16.4	10.5

* Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population. Rates are per 1,000. See Technical Notes.

**Unknown sex included in the male category for 1970-2001.

Note: Unknowns included only in Total for 2002 - 2022.

Figure C-5
Age-Adjusted Death Rates by Sex
Pennsylvania Residents, 1970-2022

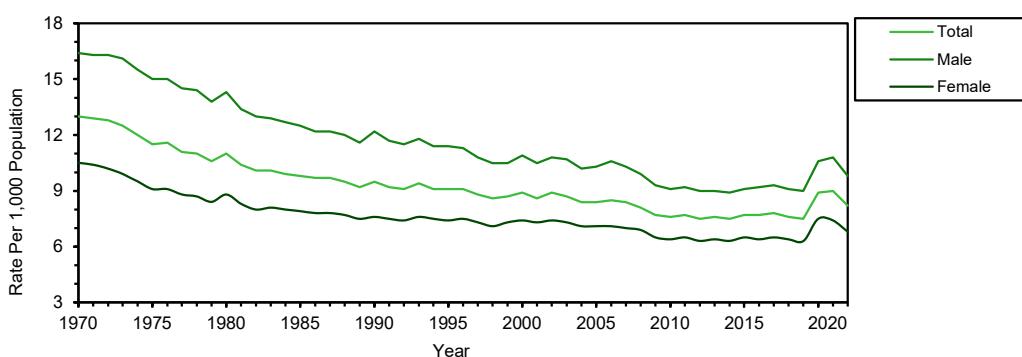


Table C-6
Age-Adjusted Death Rates* by Race^ and Hispanic Origin
Pennsylvania Residents, 1980, 1985-2022

Year	Race					Hispanic Origin
	All Races	White**	Black	Asian/Pacific Islander	Multi-Race	
2022	8.2	7.9	10.3	3.8	2.4	6.3
2021	9.0	8.7	10.9	3.8	5.4	6.7
2020	8.9	8.5	11.8	4.4	2.8	7.4
2019	7.5	7.3	9.0	3.4	1.9	5.4
2018	7.6	7.4	9.0	3.3	2.7	5.7
2017	7.8	7.6	9.2	3.6	7.0	5.5
2016	7.7	7.5	9.3	3.2	4.7	5.5
2015	7.7	7.5	8.9	3.1	5.7	5.5
2014	7.5	7.2	9.1	3.4	7.9	5.6
2013	7.6	7.4	9.0	3.1	6.9	5.8
2012	7.5	7.3	9.2	3.5	NA	5.4
2011	7.7	7.6	9.5	3.8	NA	5.0
2010	7.6	7.5	9.8	4.0	NA	5.2
2009	7.7	7.6	9.9	3.4	NA	4.5
2008	8.1	8.0	10.2	3.6	NA	4.6
2007	8.4	8.2	10.5	4.2	NA	5.0
2006	8.5	8.4	10.8	3.9	NA	4.8
2005	8.4	8.2	11.0	4.2	NA	5.1
2004	8.4	8.3	10.8	3.9	NA	5.4
2003	8.7	8.5	11.5	3.8	NA	6.4
2002	8.9	8.7	11.7	4.4	NA	7.0
2001	8.6	8.5	11.9	4.6	NA	7.1
2000	8.9	8.7	12.1	4.6	NA	7.9
1999	8.7	8.4	12.1	NA	NA	6.4
1998	8.6	8.3	11.5	NA	NA	6.1
1997	8.8	8.5	12.0	NA	NA	7.8
1996	9.1	8.8	12.4	NA	NA	6.9
1995	9.1	8.8	12.6	NA	NA	6.9
1994	9.1	8.8	12.7	NA	NA	6.7
1993	9.4	9.0	13.2	NA	NA	7.0
1992	9.1	8.8	12.7	NA	NA	6.8
1991	9.2	8.9	12.3	NA	NA	6.5
1990	9.5	9.2	12.9	NA	NA	7.7
1989	9.2	9.0	13.7	NA	NA	NA
1988	9.5	9.3	13.8	NA	NA	NA
1987	9.7	9.4	13.9	NA	NA	NA
1986	9.7	9.4	13.3	NA	NA	NA
1985	9.8	9.6	13.4	NA	NA	NA
1980	11.0	10.8	13.9	NA	NA	NA

* Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 1,000. See Technical Notes.

** Unknown race included in the white category for 1980-2001.

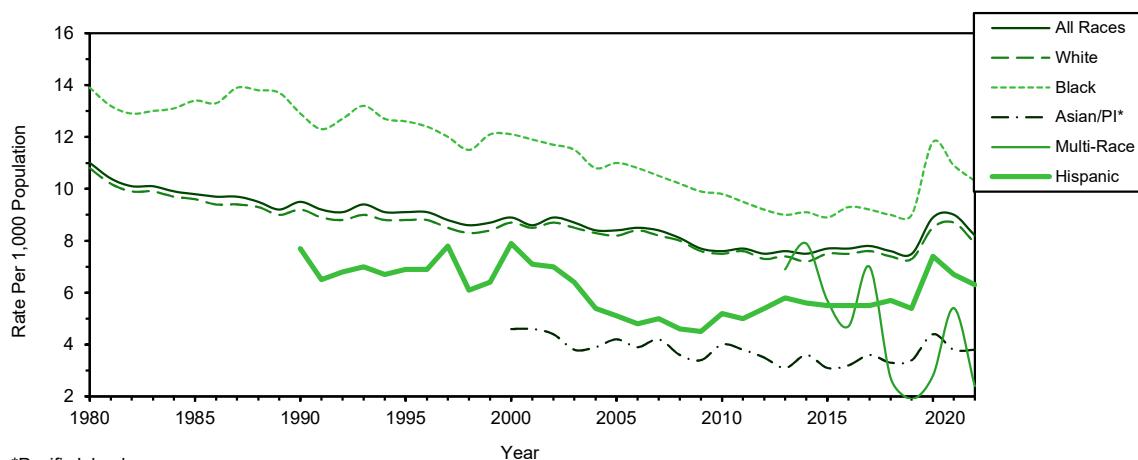
^ Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Notes: Unknowns included only in All Races for 2002-2022.

Hispanic origin can be of any race.

NA=Data not available.

Figure C-6
Age-Adjusted Death Rates by Race and Hispanic Origin
Pennsylvania Residents, 1980-2022



*Pacific Islander

Note: Hispanic origin can be of any race.

Starting in 2013 the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-7A
Infant, Neonatal, and Postneonatal Deaths by Race and Hispanic Origin
Pennsylvania Residents, 1980, 1985, 1990, 1995-2022

Year	Infant Deaths			Neonatal Deaths			Postneonatal Deaths					
	All Races	White*	Black	Hispanic Origin	All Races	White*	Black	Hispanic Origin	All Races	White*	Black	Hispanic Origin
2022	741	398	194	109	501	267	125	75	240	131	69	34
2021	727	378	201	98	501	267	128	63	226	111	73	35
2020	726	409	202	94	494	287	127	57	232	122	75	37
2019	788	420	240	98	549	294	162	62	239	126	78	36
2018	802	455	238	115	569	317	170	80	233	138	68	35
2017	840	457	270	100	598	324	190	72	242	133	80	28
2016	856	447	277	114	619	323	195	88	237	124	82	26
2015	868	480	253	95	618	338	177	71	250	142	76	24
2014	850	452	259	104	588	302	182	64	262	150	77	40
2013	940	506	268	109	681	356	191	81	259	150	77	28
2012	987	520	307	110	699	366	204	81	288	154	103	29
2011	930	575	294	77	643	401	196	52	287	174	98	25
2010	1,035	658	312	114	736	472	206	83	299	186	106	31
2009	1,044	638	366	88	715	440	242	59	329	198	124	29
2008	1,090	716	322	101	779	510	230	73	311	206	92	28
2007	1,123	676	375	91	739	447	233	55	384	229	142	36
2006	1,122	689	367	77	806	479	278	55	316	210	89	22
2005	1,047	680	320	86	742	483	220	62	305	197	100	24
2004	1,026	682	299	93	692	453	205	70	334	229	94	23
2003	1,060	702	320	83	775	509	235	58	285	193	85	25
2002	1,081	744	299	78	792	558	200	50	289	186	99	28
2001	1,038	725	295	78	736	534	190	53	302	191	105	25
2000	1,023	687	320	63	718	498	211	42	305	189	109	21
1999	1,025	677	335	60	723	481	232	33	302	196	103	27
1998	1,056	724	315	60	745	522	207	47	311	202	108	13
1997	1,090	723	352	65	758	499	251	45	332	224	101	20
1996	1,145	792	339	65	796	557	229	48	349	235	110	17
1995	1,164	776	373	62	797	544	245	39	367	232	128	23
1990	1,627	1,091	512	65	1,077	719	343	41	550	372	169	24
1985	1,734	1,276	447	***	1,201	896	295	***	533	380	152	***
1980	2,095	1,620	457	***	1,529	1,204	313	***	566	416	144	***

Note: Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-7B
Infant, Neonatal, and Postneonatal Mortality Rates** by Race and Hispanic Origin
Pennsylvania Residents, 1980, 1985, 1990, 1995-2022

Year	Infant Deaths			Neonatal Deaths			Postneonatal Deaths					
	All Races	White*	Black	Hispanic Origin	All Races	White*	Black	Hispanic Origin	All Races	White*	Black	Hispanic Origin
2022	5.7	4.4	10.8	6.0	3.8	3.0	6.9	4.2	1.8	1.5	3.8	1.9
2021	5.5	4.1	11.0	5.7	3.8	2.9	7.0	3.7	1.7	1.2	4.0	2.0
2020	5.6	4.5	10.9	5.6	3.8	3.2	6.8	3.4	1.8	1.3	4.0	2.2
2019	5.9	4.5	12.7	5.9	4.1	3.2	8.6	3.7	1.8	1.4	4.1	2.2
2018	5.9	4.8	12.6	7.3	4.2	3.3	9.0	5.1	1.7	1.5	3.6	2.2
2017	6.1	4.8	14.0	6.3	4.3	3.4	9.9	4.6	1.8	1.4	4.2	1.8
2016	6.1	4.6	14.6	7.4	4.4	3.3	10.2	5.7	1.7	1.3	4.3	1.7
2015	6.2	4.8	13.0	6.4	4.4	3.4	9.1	4.8	1.8	1.4	3.9	1.6
2014	6.0	4.5	13.2	7.2	4.1	3.0	9.3	4.4	1.8	1.5	3.9	2.8
2013	6.7	5.1	13.6	7.7	4.8	3.6	9.7	5.7	1.8	1.5	3.9	2.0
2012	7.0	5.2	14.3	7.9	5.0	3.7	9.5	5.8	2.0	1.5	4.8	2.1
2011	6.5	5.6	13.7	5.5	4.5	3.9	9.2	3.7	2.0	1.7	4.6	1.8
2010	7.3	6.4	14.4	8.4	5.2	4.6	9.5	6.1	2.1	1.8	4.9	2.3
2009	7.2	6.1	16.6	6.3	4.9	4.2	11.0	4.2	2.3	1.9	5.6	2.1
2008	7.3	6.7	14.4	7.3	5.2	4.7	10.3	5.3	2.1	1.9	4.1	2.0
2007	7.5	6.2	17.0	6.6	4.9	4.1	10.6	4.0	2.6	2.1	6.4	2.6
2006	7.5	6.3	17.0	5.8	5.4	4.4	12.9	4.2	2.1	1.9	4.1	1.7
2005	7.2	6.3	15.7	7.1	5.1	4.4	10.8	5.1	2.1	1.8	4.9	2.0
2004	7.1	6.3	15.0	8.1	4.8	4.2	10.3	6.1	2.3	2.1	4.7	2.0
2003	7.3	6.2	16.1	7.7	5.3	4.5	11.8	5.4	2.0	1.7	4.3	2.3
2002	7.6	6.4	15.2	9.0	5.6	4.8	10.2	5.8	2.0	1.6	5.0	3.2
2001	7.2	6.1	14.9	9.6	5.1	4.5	9.6	6.5	2.1	1.6	5.3	3.1
2000	7.0	5.7	15.8	8.4	4.9	4.1	10.4	5.6	2.1	1.6	5.4	2.8
1999	7.1	5.6	16.7	8.4	5.0	4.0	11.6	4.6	2.1	1.6	5.1	3.8
1998	7.3	6.0	15.4	8.7	5.1	4.3	10.1	6.8	2.1	1.7	5.3	1.9
1997	7.6	6.0	17.4	9.8	5.3	4.2	12.4	6.8	2.3	1.9	5.0	3.0
1996	7.7	6.4	16.6	9.7	5.4	4.5	11.2	7.2	2.4	1.9	5.4	2.5
1995	7.7	6.2	17.5	9.5	5.3	4.3	11.5	6.0	2.4	1.8	6.0	3.5
1990	9.5	7.6	20.1	11.6	6.3	5.0	13.5	7.3	3.2	2.6	6.6	4.3
1985	10.8	9.3	21.4	***	7.5	6.5	14.2	***	3.3	2.8	7.3	***
1980	13.2	11.7	24.2	***	9.6	8.7	16.6	***	3.6	3.0	7.6	***

* Unknown race included in white category for 1980-2001. Unknowns only included in All Races for 2002-2022.

** Rate per 1,000 live births; race of child is used to classify deaths and race of mother is used to classify births.

*** Hispanic origin data were not collected prior to 1989.

Notes: Hispanic origin can be of any race.

Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Figure C-7A
Resident Infant, Neonatal, and Postneonatal
Mortality Rates, Pennsylvania, 1980-2022

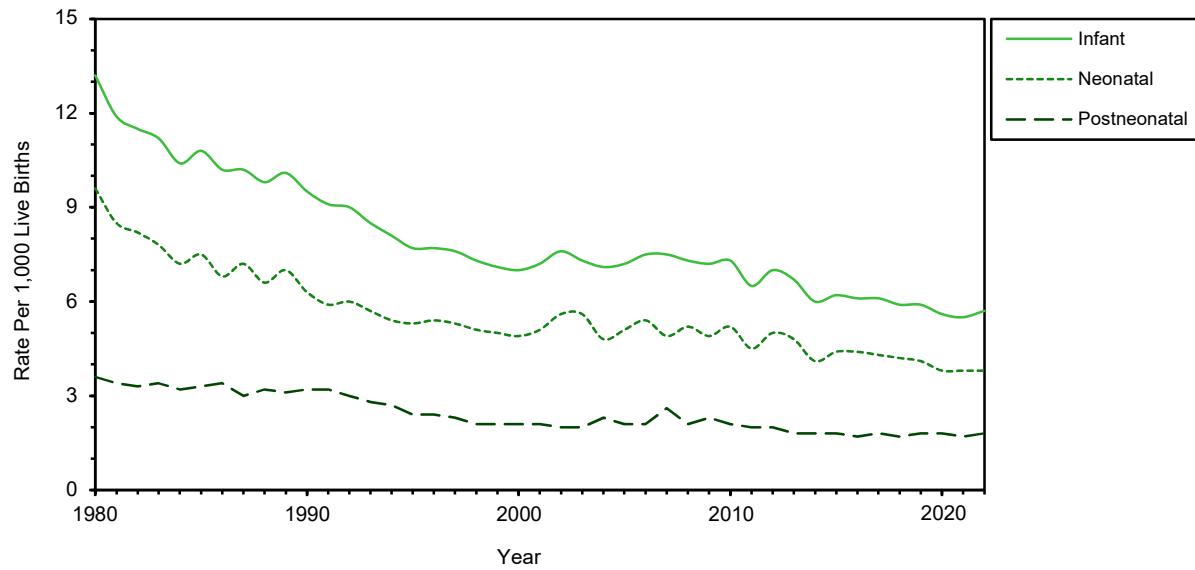
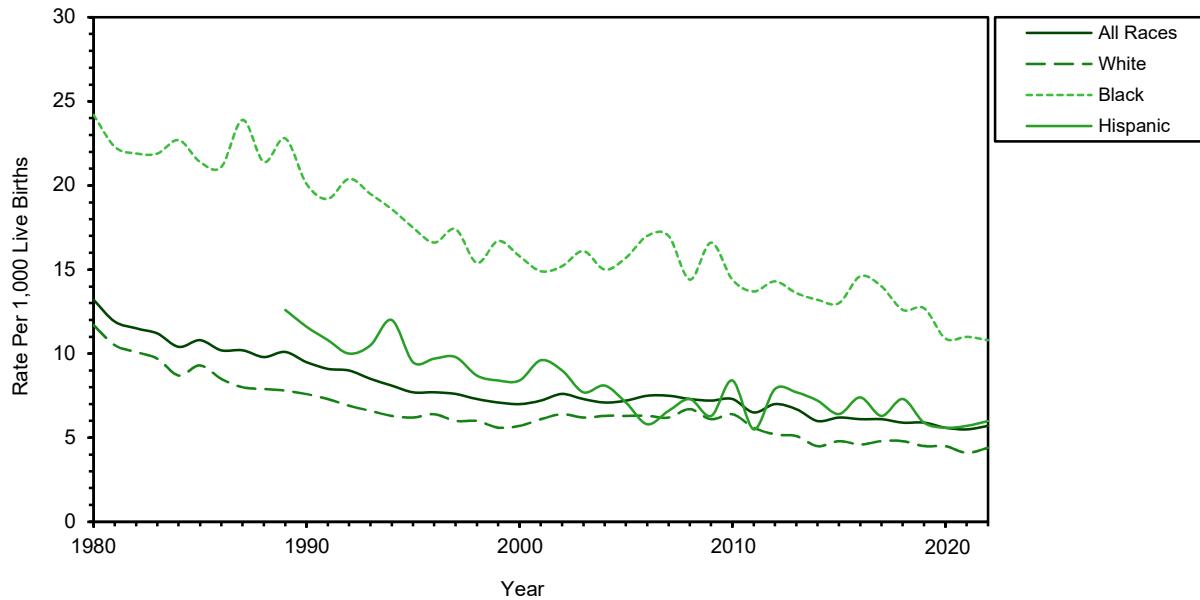


Figure C-7B
Resident Infant Mortality Rates by Race and Hispanic Origin
Pennsylvania, 1980-2022



Note: Hispanic origin can be of any race.

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-8
Selected Leading Causes of Death
Pennsylvania Residents, 2022, 2020, 2010, 2000, 1990, 1980

Cause of Death*	2022		2020		2010		2000		1990		1980	
	Number	Rank										
All Causes	147,124		155,551		123,473		130,092		121,081		123,233	
Diseases of Heart	32,277	1	32,880	1	31,274	1	40,446	1	43,204	1	50,677	1
Cancer (Malignant Neoplasms)	27,463	2	27,907	2	28,809	2	29,989	2	29,677	2	26,040	2
Accidents	9,865	3	9,494	3	5,607	5	4,500	5	4,001	5	4,586	4
Cerebrovascular Disease	6,824	4	6,925	4	6,629	3	8,885	3	7,678	3	9,539	3
Chronic Lower Respiratory Disease	5,831	5	6,128	5	6,164	4	6,045	4	4,487	4	3,263	5
Alzheimer's Disease	3,991	7	4,540	6	3,566	6	2,533	10	615		**	
Diabetes Mellitus	4,106	6	4,246	7	3,184	7	3,781	6	3,082	7	2,599	7
Nephritis, Nephrotic Syndrome, and Nephrosis	3,125	8	2,907	8	3,028	8	2,675	8	1,398	10	1,109	
Influenza & Pneumonia	2,004	10	2,352	9	2,289	9	3,047	7	3,876	6	2,869	6
Septicemia	2,529	9	2,273	10	2,212	10	2,573	9	1,705	8	803	
Intentional Self-harm (Suicide)	1,925		1,686		1,547		1,348		1,446	9	1,317	10
Chronic Liver Disease and Cirrhosis	1,821		1,629		1,180		1,079		1,232		1,625	9
Perinatal Conditions	407		382		561		552		824		1,194	
Atherosclerosis	178		181		305		644		756		1,837	8
All Other	44,778		52,021		27,118		21,995		17,100		15,775	

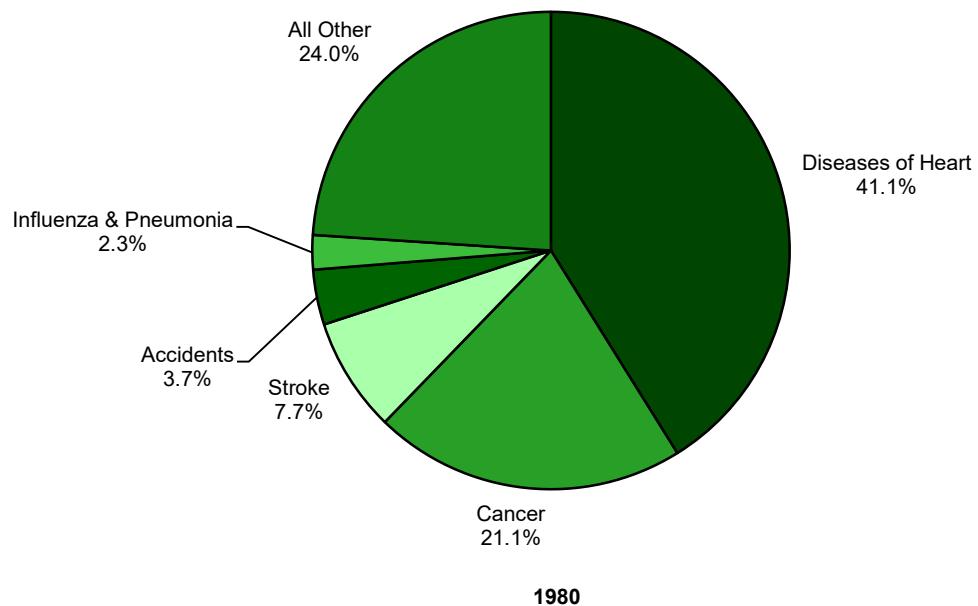
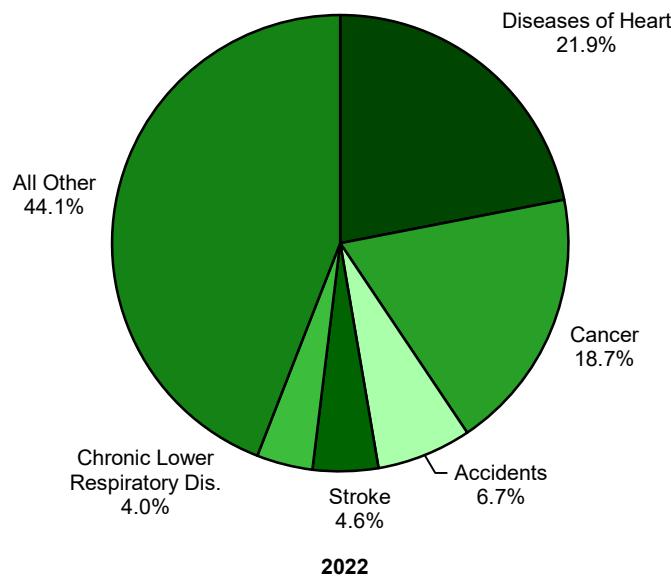
* 2000, 2010, 2020, and 2022 data based on the International Classification of Diseases, Tenth Revision.

1990 and 1980 data based on the International Classification of Diseases, Ninth Revision.

1970 data based on the International Classification of Diseases, Eighth Revision.

**Data not available or comparable.

Figure C-8
Resident Deaths, Percent by Selected Leading Causes
Pennsylvania, 2022 and 1980



Note: may not sum to 100 due to rounding.

Table C-9A
Median Age at Death by Race** and Hispanic Origin
Pennsylvania Residents, 1980, 1985, 1990 and 1995-2022

Year	Median Age at Death					
	All Races	White*	Black	Asian/ Pacific Islander	Multi-Race	Hispanic Origin
2022	78.2	79.4	69.1	77.5	56.7	65.0
2021	77.6	78.8	68.5	76.6	62.7	64.6
2020	79.1	80.4	70.1	78.7	60.5	66.2
2019	79.1	80.3	69.7	77.5	61.4	64.5
2018	79.2	80.4	70.0	75.0	70.2	63.9
2017	79.3	80.4	69.6	75.9	73.7	64.9
2016	79.3	80.5	69.3	75.3	69.6	64.0
2015	79.9	80.9	69.9	75.7	73.4	64.9
2014	80.0	81.1	70.0	74.1	73.0	64.7
2013	80.4	81.4	69.8	75.1	70.4	64.2
2012	80.4	81.4	69.4	72.8	NA	63.1
2011	80.4	81.3	69.5	72.4	NA	63.3
2010	80.2	81.0	69.7	73.7	NA	62.5
2009	80.1	80.8	69.6	72.2	NA	61.4
2008	80.2	80.9	70.0	71.0	NA	59.5
2007	80.0	80.7	69.2	73.1	NA	60.5
2006	79.6	80.4	69.2	68.4	NA	58.2
2005	79.7	80.4	69.9	69.4	NA	59.4
2004	79.5	80.2	69.8	68.2	NA	59.1
2003	79.3	80.0	70.3	70.5	NA	60.1
2002	79.2	79.9	70.3	67.4	NA	60.9
2001	79.0	79.6	70.6	68.5	NA	58.7
2000	78.8	79.4	70.6	68.3	NA	62.5
1999	78.6	79.2	70.4	66.9	NA	61.1
1998	78.2	78.8	70.5	65.6	NA	61.5
1997	77.8	78.5	69.1	66.1	NA	60.4
1996	77.5	78.2	68.6	65.6	NA	57.8
1995	77.2	77.9	68.5	65.6	NA	54.3
1990	75.7	76.3	67.2	63.0	NA	59.3
1985	74.6	75.2	67.1	62.5	NA	NA
1980	73.2	73.8	65.5	60.4	NA	NA

* Unknown race included in the white category for 1980, 1985, and 1990-2001.

** Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Notes: Unknowns only included in All Races for 2002-2022. NA=Data not available. Hispanic origin can be of any race.

Table C-9B
Median Age at Death by Race^, Hispanic Origin, and Sex
Pennsylvania Residents, 1980, 1985, 1990 and 1995-2022

Year	Median Age at Death						Hispanic Origin
	All Races	White**	Black	Asian/ Pacific Islander	Multi-Race	Hispanic Origin	
Males*	Females	Males*	Females	Males*	Females	Males*	Females
2022	75.0	81.5	76.2	82.5	65.8	73.4	59.4 72.5
2021	74.3	81.1	75.5	82.2	65.4	72.7	61.4 69.7
2020	75.4	82.9	76.9	83.9	66.5	74.8	54.1 66.5
2019	75.4	82.8	76.6	83.7	65.9	74.4	56.6 63.8
2018	75.3	83.1	76.4	83.9	66.0	74.8	65.3 70.0
2017	75.0	83.1	76.3	84.0	65.8	74.3	69.9 71.7
2016	75.1	83.2	76.4	84.1	65.7	74.3	66.1 68.9
2015	75.6	83.5	76.9	84.3	65.9	74.8	65.5 72.0
2014	75.7	83.6	77.1	84.3	65.6	75.1	67.5 70.5
2013	76.1	83.7	77.4	84.4	65.7	74.4	66.0 69.9
2012	76.2	83.6	77.5	84.3	65.1	74.2	69.4 69.8
2011	76.3	83.5	77.4	84.1	64.6	74.6	68.8 70.4
2010	76.1	83.3	77.3	83.9	64.5	75.5	69.8 68.7
2009	76.3	83.0	77.3	83.6	64.9	74.5	69.8 65.6
2008	76.5	83.1	77.5	83.6	64.6	75.2	68.0 66.4
2007	76.4	82.8	77.4	83.4	63.6	74.9	69.0 65.6
2006	76.0	82.6	77.0	83.2	63.7	74.7	64.8 66.7
2005	76.3	82.5	77.2	83.1	64.1	75.3	67.1 66.5
2004	76.1	82.4	76.9	82.9	64.7	74.6	66.4 63.3
2003	76.0	82.1	76.8	82.6	65.2	75.1	70.4 66.8
2002	75.9	82.0	76.7	82.5	65.5	74.5	65.2 67.2
2001	75.8	81.7	76.5	82.2	66.0	74.7	64.5 65.4
2000	75.6	81.7	76.4	82.2	66.3	74.6	64.0 67.7
1999	75.4	81.5	76.1	82.0	66.0	74.4	63.5 67.8
1998	75.2	81.1	75.9	81.6	66.4	74.3	63.1 68.1
1997	74.5	80.9	75.4	81.4	65.0	73.1	62.5 67.9
1996	74.3	80.7	75.0	81.3	64.5	72.6	63.3 64.4
1995	73.9	80.4	74.8	80.9	64.1	73.3	63.7 67.3
1990	72.6	78.8	73.4	79.4	63.8	71.1	62.4 66.6
1985	71.5	78.0	72.1	78.6	64.6	70.6	62.8 64.4
1980	70.3	76.8	70.8	77.4	63.4	68.5	65.7 67.7

* Unknown sex included in the male category for 1980, 1985, and 1990-2001.

** Unknown race included in the white category for 1980, 1985, and 1990-2001.

^ Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Notes: Unknowns only included in All Races for 2002-2022. NA=Data not available. Hispanic origin can be of any race.

Table C-9C
Median Age at Death for Selected Leading Causes by Race, Hispanic Origin, and Sex
Pennsylvania Residents, 2022

Cause of Death	Median Age at Death											
	All Races			White			Black			Hispanic Origin		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Causes	78.2	75.0	81.5	79.4	76.2	82.5	69.1	65.8	73.4	65.0	59.4	72.5
Diseases of Heart	81.5	77.7	85.5	82.8	79.1	86.4	72.1	68.9	75.5	72.7	68.5	80.6
Cancer (Malignant Neoplasms)	74.2	73.9	74.6	74.7	74.4	75.0	71.1	70.8	71.4	67.8	67.0	68.3
Accidents	55.7	52.8	61.8	58.2	54.7	67.3	51.9	52.7	50.0	41.2	41.1	41.2
Nontransport Accidents	56.8	53.7	63.5	59.5	55.3	69.6	53.1	54.1	50.9	42.3	42.2	43.5
Motor Vehicle Accidents	46.0	45.8	47.5	50.0	50.0	49.8	37.2	37.8	36.7	35.5	33.5	38.7
Other Transport Accidents	55.2	55.9	51.3	57.7	58.1	53.0	40.9	33.9	ND	ND	ND	ND
Cerebrovascular Disease	83.3	79.6	85.7	84.1	80.7	86.2	75.2	71.3	79.6	76.6	73.1	82.7
Chronic Lower Respiratory Dis.	78.2	77.0	79.1	78.5	77.4	79.6	72.6	72.2	72.6	75.0	76.1	74.2
Alzheimer's Disease	88.4	86.4	89.5	88.5	86.5	89.6	87.5	84.1	89.2	85.2	82.4	86.2
Diabetes Mellitus	75.0	72.9	77.7	75.8	74.0	78.9	68.6	67.4	70.3	67.6	65.3	72.5
Nephritis, Nephrotic Syndrome, and Nephrosis	81.0	79.4	82.3	81.8	80.6	83.3	74.7	71.3	78.6	73.8	71.5	77.5
Influenza & Pneumonia	81.6	79.8	83.5	82.5	81.2	84.2	72.2	68.5	76.4	73.5	68.0	78.8
Septicemia	76.8	76.2	77.6	77.8	77.3	78.7	71.7	69.7	73.7	67.7	68.5	66.5
Parkinson's Disease	82.6	81.7	83.7	82.7	81.8	83.8	79.3	76.6	83.4	80.7	84.7	80.5
Intentional Self-harm (Suicide)	49.5	49.6	49.3	52.0	51.9	52.2	35.5	35.6	34.3	32.9	33.5	27.3
Chronic Liver Dis. and Cirrhosis	64.1	63.7	64.6	64.2	63.9	65.0	63.9	64.3	62.5	59.5	58.3	61.8
Essential Hypertension/H.R.D.*	81.2	75.4	85.6	82.4	76.3	86.4	73.6	68.5	79.2	68.6	62.4	ND
Assault (Homicide)	31.7	31.0	36.7	39.4	37.0	41.5	30.3	30.0	32.6	28.8	30.0	22.2

* Hypertensive Renal Disease

Notes: Unknowns excluded from calculations. Hispanic origin can be of any race.

Median age for categories with less than 10 deaths are not displayed (ND).

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-10
Age-Adjusted Death Rates for Selected Leading Causes by Race, Hispanic Origin, and Sex
Pennsylvania Residents, 2022

Cause of Death	Age-Adjusted Rate											
	All Races			White			Black			Hispanic Origin		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Causes	817.8	981.8	684.4	787.4	940.8	663.2	1030.7	1299.5	832.4	624.7	723.5	528.7
Diseases of Heart	172.1	218.8	136.1	166.3	212.3	130.8	230.8	296.3	186.0	112.1	131.2	94.2
Cancer (Malignant Neoplasms)	147.6	174.7	129.0	145.6	173.0	126.4	168.4	205.9	147.5	99.8	102.4	97.8
Accidents	69.0	94.4	44.8	64.2	86.6	42.6	97.8	141.2	60.5	67.2	106.9	27.6
Nontransport Accidents	59.0	79.7	39.3	54.5	72.4	37.2	87.1	126.2	54.0	56.9	91.3	22.5
Motor Vehicle Accidents	9.4	13.7	5.2	9.1	13.3	5.1	9.8	13.7	6.0	9.4	13.9	5.0
Other Transport Accidents	0.7	1.1	0.3	0.6	0.9	ND	ND	ND	ND	ND	ND	ND
Cerebrovascular Disease	36.3	37.0	35.3	34.5	34.9	33.8	49.9	55.4	45.7	31.5	30.9	30.9
Chronic Lower Respiratory Dis.	30.7	34.1	28.6	31.2	34.4	29.3	27.2	32.7	24.4	12.7	15.8	10.7
Alzheimer's Disease	20.8	16.3	23.4	21.0	16.4	23.7	17.2	14.6	18.2	22.6	17.1	25.9
Diabetes Mellitus	22.5	29.1	17.1	20.8	27.0	15.7	35.0	48.2	26.4	21.3	22.8	19.6
Nephritis, Nephrotic Syndrome, and Nephrosis	16.6	21.1	13.6	15.4	19.7	12.6	27.9	35.1	23.2	16.2	22.0	11.5
Influenza & Pneumonia	10.8	13.2	9.2	10.5	13.0	8.8	12.8	14.9	11.6	7.3	8.8	ND
Septicemia	13.7	15.9	12.3	12.6	14.7	11.3	24.2	28.8	21.2	10.7	12.0	9.9
Parkinson's Disease	9.1	13.6	6.1	9.7	14.4	6.5	3.1	ND	2.7	6.4	ND	ND
Intentional Self-harm (Suicide)	14.0	22.9	5.5	14.5	23.7	5.6	9.4	15.8	3.7	7.1	11.1	ND
Chronic Liver Dis. and Cirrhosis	10.7	14.0	7.8	11.2	14.4	8.3	6.4	9.0	4.5	11.9	15.5	8.6
Essential Hypertension/H.R.D.*	7.2	7.8	6.5	6.7	7.2	6.1	11.2	12.8	10.0	3.9	ND	ND
Assault (Homicide)	8.8	14.5	3.0	2.8	3.7	1.8	40.6	73.2	8.5	11.2	18.0	3.9

* Hypertensive Renal Disease

Notes: Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 100,000. Unknowns excluded from calculations. Hispanic origin can be of any race.

Age-adjusted rates for categories with less than 20 deaths are statistically unreliable and are not displayed (ND).

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-11A
Selected Causes of Death by Age Group
Number and Rank: Pennsylvania Residents, 2022

Cause of Death	All Ages*		Under 5 Years		5 - 24 Years		25 - 44 Years		45 - 64 Years		65 - 84 Years		85 Years & Over	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank
All Causes	147,124		886		1,406		6,939		24,390		66,075		47,424	
Diseases of Heart	32,277	1	13	5	32	5	575	3	4,536	2	14,006	2	13,114	1
Cancer (Malignant Neoplasms)	27,463	2	13	5	78	4	511	5	5,913	1	15,846	1	5,102	2
Accidents	9,865	3	79	3	496	1	2,927	1	2,886	3	2,027	6	1,450	6
Nontransport Accidents	8,488		63		291		2,487		2,516		1,731		1,400	
Motor Vehicle Accidents	1,280		15		198		413		329		278		47	
Other Transport Accidents	97		1		7		27		41		18		3	
Cerebrovascular Disease	6,824	4	6	7	9	10	78	8	675	7	3,032	4	3,024	3
Chronic Lower Respiratory Dis.	5,831	5	1		18	7	25		756	6	3,453	3	1,578	5
Alzheimer's Disease	3,991	7	0		0		0		50		1,298	9	2,643	4
Diabetes Mellitus	4,106	6	0		14	8	125	7	867	4	2,200	5	900	8
Nephritis, Nephrotic Syndrome, and Nephrosis	3,125	8	0		1		37		364	10	1,561	7	1,162	7
Influenza & Pneumonia	2,004	10	5	8	7		46	10	243		885		818	9
Septicemia	2,529	9	4		4		47	9	439	9	1,393	8	642	
Parkinson's Disease	1,717		0		0		1		34		1,022	10	660	10
Intentional Self-harm (Suicide)	1,925		0		220	3	606	2	670	8	356		73	
Chronic Liver Dis. and Cirrhosis	1,821		0		0		142	6	821	5	770		88	
Essential Hypertension and Hypertensive Renal Disease	1,358		0		0		15		207		592		544	
Assault (Homicide)	1,059		33	4	288	2	516	4	177		41		4	
In Situ, Benign, and Uncertain Neoplasms	775		5	8	3		17		80		389		281	
Nutritional Deficiencies	966		0		1		5		41		332		587	
Perinatal Conditions	407		403	1	1		1		0		0		0	
Congenital Malformations, Deformations & Chromosomal Abnormalities	359		119	2	28	6	40		94		60		18	
Anemias	343		2		2		13		25		148		153	
Disorders of Biliary Tract & Pancreas	252		0		1		20		50		116		65	
Multiple Sclerosis	231		0		0		5		74		135		17	
Cholelithiasis & Other Disorders of Gallbladder	212		0		0		2		17		104		89	
Atherosclerosis	178		0		0		0		11		70		97	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	112		0		0		21		23		39		28	
Peptic Ulcer	151		0		1		5		22		87		36	
HIV Disease	140		0		1		38		69		32		0	
Epilepsy	147	2		12	9	21		31		62		19		
Hernia	123		0		1		1		16		52		53	
Pneumoconiosis	31		0		0		2		0		14		15	
All Other Causes	36,802		201		188		1,097		5,199		15,953		14,164	

*Includes any unknown ages.

Note: Rankings are not shown for causes with less than 5 deaths.

Table C-11B
Selected Causes of Death by Age Group - Males
Number and Rank: Pennsylvania Residents, 2022

Cause of Death	All Ages*		Under 5 Years		5 - 24 Years		25 - 44 Years		45 - 64 Years		65 - 84 Years		85 Years & Over	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank
All Causes	74,902		491		987		4,684		14,760		35,844		18,135	
Diseases of Heart	16,969	1	7	6	15	5	375	4	3,091	1	8,253	2	5,228	1
Cancer (Malignant Neoplasms)	14,268	2	8	5	40	4	248	5	3,067	2	8,499	1	2,406	2
Accidents	6,340	3	49	3	332	1	2,068	1	2,041	3	1,264	6	586	6
Nontransport Accidents	5,350		38		190		1,744		1,762		1,054		562	
Motor Vehicle Accidents	914		11		136		302		248		194		23	
Other Transport Accidents	76		0		6		22		31		16		1	
Cerebrovascular Disease	2,836	4	3		5	10	34	8	369	7	1,489	4	936	3
Chronic Lower Respiratory Dis.	2,734	5	0		11	7	13		340	8	1,712	3	658	5
Alzheimer's Disease	1,162	10	0		0		0		13		487	10	662	4
Diabetes Mellitus	2,320	6	0		6	9	83	7	564	4	1,287	5	380	8
Nephritis, Nephrotic Syndrome, and Nephrosis	1,625	7	0		1		21		214	10	848	7	541	7
Influenza & Pneumonia	1,005		2		3		29	9	145		469		357	9
Septicemia	1,252	9	1		2		22		233	9	711	8	283	
Parkinson's Disease	1,024		0		0		1		26		653	9	344	10
Intentional Self-harm (Suicide)	1,543	8	0		172	3	492	2	519	6	294		66	
Chronic Liver Dis. and Cirrhosis	1,130		0		0		87	6	524	5	470		49	
Essential Hypertension and Hypertensive Renal Disease	618		0		0		11		135		307		165	
Assault (Homicide)	879		21	4	257	2	437	3	137		26		1	
In Situ, Benign, and Uncertain														
Neoplasms	391		4		1		11		44		203		128	
Nutritional Deficiencies	327		0		0		3		20		132		172	
Perinatal Conditions	211		210	1	1		0		0		0		0	
Congenital Malformations, Deformations & Chromosomal Abnormalities														
Abnormalities	197		65	2	15	5	28	10	52		31		6	
Anemias	149		1		0		6		14		74		54	
Disorders of Biliary Tract & Pancreas	138		0		1		13		34		65		25	
Multiple Sclerosis	76		0		0		3		29		40		4	
Cholelithiasis & Other Disorders of Gallbladder	100		0		0		0		8		55		37	
Atherosclerosis	74		0		0		0		8		35		31	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis														
Peptic Ulcer	52		0		0		11		16		18		6	
HIV Disease	69		0		0		2		12		40		15	
Epilepsy	102		0		1		28	10	46		27		0	
Hernia	71	1	8	8	15		12		12		28		7	
Pneumoconiosis	49		0		0		1		10		21		17	
All Other Causes	31		0		0		2		0		14		15	

*Includes any unknown ages.

Note: Rankings are not shown for causes with less than 5 deaths.

Table C-11C
Selected Causes of Death by Age Group - Females
Number and Rank: Pennsylvania Residents, 2022

Cause of Death	All Ages*		Under 5 Years		5 - 24 Years		25 - 44 Years		45 - 64 Years		65 - 84 Years		85 Years & Over	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank
All Causes	72,218		393		419		2,255		9,629		30,230		29,289	
Diseases of Heart	15,308	1	6	5	17	5	200	3	1,445	2	5,753	2	7,886	1
Cancer (Malignant Neoplasms)	13,195	2	5	6	38	3	263	2	2,846	1	7,347	1	2,696	2
Accidents	3,525	4	30	3	164	1	859	1	845	3	763	7	864	6
Nontransport Accidents	3,138		25		101		743		754		677		838	
Motor Vehicle Accidents	366		4		62		111		81		84		24	
Other Transport Accidents	21		1		1		5		10		2		2	
Cerebrovascular Disease	3,988	3	3		4		44	7	306	5	1,543	4	2,088	3
Chronic Lower Respiratory Dis.	3,096	5	1		7	8	12		415	4	1,741	3	920	5
Alzheimer's Disease	2,829	6	0		0		0		37		811	6	1,981	4
Diabetes Mellitus	1,786	7	0		8	7	42	8	303	6	913	5	520	8
Nephritis, Nephrotic Syndrome, and Nephrosis	1,500	8	0		0		16		150	10	713	8	621	7
Influenza & Pneumonia	999	10	3		4		17	10	98		416	10	461	9
Septicemia	1,277	9	3		2		25	9	206	8	682	9	359	
Parkinson's Disease	693		0		0		0		8		369		316	
Intentional Self-harm (Suicide)	382		0		48	2	114	4	151	9	62		7	
Chronic Liver Dis. and Cirrhosis	691		0		0		55	6	297	7	300		39	
Essential Hypertension and Hypertensive Renal Disease	740		0		0		4		72		285		379	
Assault (Homicide)	180		12	4	31	4	79	5	40		15		3	
In Situ, Benign, and Uncertain Neoplasms	384		1		2		6		36		186		153	
Nutritional Deficiencies	639		0		1		2		21		200		415	10
Perinatal Conditions	194		191	1	0		1		0		0		0	
Congenital Malformations, Deformations & Chromosomal Abnormalities	162		54	2	13	6	12		42		29		12	
Anemias	194		1		2		7		11		74		99	
Disorders of Biliary Tract & Pancreas	114		0		0		7		16		51		40	
Multiple Sclerosis	155		0		0		2		45		95		13	
Cholelithiasis & Other Disorders of Gallbladder	112		0		0		2		9		49		52	
Atherosclerosis	104		0		0		0		3		35		66	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	60		0		0		10		7		21		22	
Peptic Ulcer	82		0		1		3		10		47		21	
HIV Disease	38		0		0		10		23		5		0	
Epilepsy	76		1		4		6		19		34		12	
Hernia	74		0		1		0		6		31		36	
Pneumoconiosis	0		0		0		0		0		0		0	
All Other Causes	19,641		82		72		457		2,162		7,660		9,208	

*Includes any unknown ages.

Note: Rankings are not shown for causes with less than 5 deaths.

Table C-11D
Selected Causes of Death by Age Group - White Race
Number and Rank: Pennsylvania Residents, 2022

Cause of Death	All Ages*		Under 5 Years		5 - 24 Years		25 - 44 Years		45 - 64 Years		65 - 84 Years		85 Years & Over	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank
All Causes	126,539		492		769		4,777		19,207		57,536		43,756	
Diseases of Heart	28,020	1	10	5	22	6	378	4	3,438	2	11,972	2	12,199	1
Cancer (Malignant Neoplasms)	23,992	2	10	5	50	3	391	3	4,949	1	13,913	1	4,679	2
Accidents	7,745	3	50	3	325	1	2,179	1	2,064	3	1,751	6	1,376	6
Nontransport Accidents	6,638		40		181		1,853		1,744		1,490		1,330	
Motor Vehicle Accidents	1,033		10		143		307		285		245		43	
Other Transport Accidents	74		0		1		19		35		16		3	
Cerebrovascular Disease	5,845	4	3		3		49	8	484	8	2,581	4	2,725	3
Chronic Lower Respiratory Dis.	5,324	5	0		8	7	8		659	5	3,172	3	1,477	5
Alzheimer's Disease	3,667	6	0		0		0		47		1,167	8	2,453	4
Diabetes Mellitus	3,380	7	0		7	9	76	7	658	6	1,839	5	800	8
Nephritis, Nephrotic Syndrome, and Nephrosis	2,612	8	0		0		25		248	10	1,294	7	1,045	7
Influenza & Pneumonia	1,755	10	1		5	10	31		184		783		751	9
Septicemia	2,082	9	2		2		33	10	329	9	1,144	9	572	
Parkinson's Disease	1,642		0		0		1		31		974	10	636	10
Intentional Self-harm (Suicide)	1,654		0		149	2	489	2	613	7	332		71	
Chronic Liver Dis. and Cirrhosis	1,628		0		0		120	5	733	4	691		84	
Essential Hypertension and Hypertensive Renal Disease	1,138		0		0		10		154		484		490	
Assault (Homicide)	269		14	4	43	4	113	6	71		24		4	
In Situ, Benign, and Uncertain Neoplasms	875		0		0		3		33		294		545	
Nutritional Deficiencies	695		4		2		9		69		349		262	
Perinatal Conditions	202		200	1	1		1		0		0		0	
Congenital Malformations, Deformations & Chromosomal Abnormalities	294		81	2	24	5	36	9	82		55		16	
Anemias	293		1		1		4		16		129		142	
Disorders of Biliary Tract & Pancreas	227		0		1		16		46		103		61	
Multiple Sclerosis	203		0		0		4		60		123		16	
Cholelithiasis & Other Disorders of Gallbladder	186		0		0		1		15		88		82	
Atherosclerosis	165		0		0		0		9		65		91	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	88		0		0		11		14		34		28	
Peptic Ulcer	138		0		0		5		22		78		33	
HIV Disease	52		0		0		12		27		13		0	
Epilepsy	118		2		8	7	13		25		53		17	
Hernia	116		0		1		1		13		49		52	
Pneumoconiosis	29		0		0		2		0		13		14	
All Other Causes	32,105		114		117		756		4,114		13,969		13,035	

*Includes any unknown ages.

Note: Rankings are not shown for causes with less than 5 deaths.

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-11E
Selected Causes of Death by Age Group - Black Race
Number and Rank: Pennsylvania Residents, 2022

Cause of Death	All Ages*		Under 5 Years		5 - 24 Years		25 - 44 Years		45 - 64 Years		65 - 84 Years		85 Years & Over	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank
All Causes	15,258		222		435		1,540		3,969		6,452		2,639	
Diseases of Heart	3,392	1	1		7	6	164	3	894	1	1,629	1	697	1
Cancer (Malignant Neoplasms)	2,538	2	0		13	4	74	4	685	2	1,439	2	327	2
Accidents	1,520	3	19	3	104	2	476	1	655	3	217	6	49	9
Nontransport Accidents	1,350		15		73		398		621		195		48	
Motor Vehicle Accidents	155		3		28		73		30		20		1	
Other Transport Accidents	15		1		3		5		4		2		0	
Cerebrovascular Disease	713	4	3		4		17	8	153	5	330	3	206	3
Chronic Lower Respiratory Dis.	399	7	1		9	5	13	9	79	9	229	5	68	6
Alzheimer's Disease	220	10	0		0		0		1		84	9	135	4
Diabetes Mellitus	527	6	0		4		35	6	159	4	264	4	65	7
Nephritis, Nephrotic Syndrome, and Nephrosis	399	7	0		1		10		96	6	201	7	91	5
Influenza & Pneumonia	186		3		2		13	9	46		76		46	10
Septicemia	353	9	1		1		11		88	7	196	8	56	8
Parkinson's Disease	40		0		0		0		3		25		12	
Intentional Self-harm (Suicide)	147		0		34	3	65	5	34		13		1	
Chronic Liver Dis. and Cirrhosis	104		0		0		8		47	10	49		0	
Essential Hypertension and Hypertensive Renal Disease	163		0		0		4		40		77	10	42	
Assault (Homicide)	662	5	13	4	200	1	352	2	82	8	15		0	
In Situ, Benign, and Uncertain Neoplasms	57		0		1		5		7		28		16	
Nutritional Deficiencies	70		0		1		2		5		32		30	
Perinatal Conditions	112		111	1	0		0		0		0		0	
Congenital Malformations, Deformations & Chromosomal Abnormalities	43		23	2	1		1		11		5		2	
Anemias	39		0		1		7		8		14		9	
Disorders of Biliary Tract & Pancreas	22		0		0		3		4		11		4	
Multiple Sclerosis	26		0		0		1		12		12		1	
Cholelithiasis & Other Disorders of Gallbladder	16		0		0		1		1		11		3	
Atherosclerosis	7		0		0		0		1		3		3	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	19		0		0		9		6		4		0	
Peptic Ulcer	8		0		1		0		0		7		0	
HIV Disease	70		0		1		20	7	33		16		0	
Epilepsy	22		0		3		8		3		7		1	
Hernia	3		0		0		0		1		1		1	
Pneumoconiosis	1		0		0		0		0		1		0	
All Other Causes	3,380		47		47		241		815		1,456		774	

*Includes any unknown ages.

Note: Rankings are not shown for causes with less than 5 deaths.

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-11F
Selected Causes of Death by Age Group - Hispanic Origin
Number and Rank: Pennsylvania Residents, 2022

Cause of Death	All Ages*		Under 5 Years		5 - 24 Years		25 - 44 Years		45 - 64 Years		65 - 84 Years		85 Years & Over	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank
All Causes	4,113		135		187		650		1,086		1,428		626	
Diseases of Heart	639	3	0		2		33	5	170	3	282	2	152	1
Cancer (Malignant Neoplasms)	645	1	1		9	4	46	3	218	1	315	1	56	2
Accidents	644	2	12	3	64	1	308	1	202	2	45	7	13	8
Nontransport Accidents	541		10		41		257		186		36		11	
Motor Vehicle Accidents	94		2		20		48		14		8		2	
Other Transport Accidents	9		0		3		3		2		1		0	
Cerebrovascular Disease	168	4	2		2		8	8	27	6	81	3	48	4
Chronic Lower Respiratory Dis.	72		0		4		4		15	10	32	9	17	6
Alzheimer's Disease	99	7	0		0		0		3		46	6	50	3
Diabetes Mellitus	133	6	0		1		12	7	43	4	63	4	14	7
Nephritis, Nephrotic Syndrome, and Nephrosis	91	8	0		0		5	10	21	8	47	5	18	5
Influenza & Pneumonia	41		0		0		1		12		19		9	10
Septicemia	66		0		1		2		23	7	34	8	6	
Parkinson's Disease	29		0		0		0		0		19		10	9
Intentional Self-harm (Suicide)	80	10	0		21	3	41	4	13		5		0	
Chronic Liver Dis. and Cirrhosis	87	9	0		0		17	6	39	5	29	10	2	
Essential Hypertension and Hypertensive Renal Disease	24		0		0		1		11		10		2	
Assault (Homicide)	136	5	5	4	52	2	62	2	17	9	0		0	
In Situ, Benign, and Uncertain Neoplasms														
Neoplasms	11		1		1		3		1		4		1	
Nutritional Deficiencies	14		0		0		0		2		9		3	
Perinatal Conditions	62		61	1	0		0		0		0		0	
Congenital Malformations, Deformations & Chromosomal Abnormalities														
Abnormalities	21		17	2	2		1		0		1		0	
Anemias	12		1		0		2		1		4		4	
Disorders of Biliary Tract & Pancreas	9		0		0		1		2		5		1	
Multiple Sclerosis	5		0		0		1		2		2		0	
Cholelithiasis & Other Disorders of Gallbladder	5		0		0		0		1		3		1	
Atherosclerosis	5		0		0		0		1		3		1	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis														
Peptic Ulcer	3		0		0		0		0		2		1	
HIV Disease	18		0		0		6	9	7		5		0	
Epilepsy	7		0		1		0		2		2		2	
Hernia	3		0		0		0		1		2		0	
Pneumoconiosis	1		0		0		0		0		0		1	
All Other Causes	978		35		27		93		252		357		214	

*Includes any unknown ages.

Notes: Rankings are not shown for causes with less than 5 deaths.

Hispanic origin can be of any race.

Table C-12A
Resident Death Rates* for Selected Causes of Death
by Age Group, Pennsylvania, 2022

Cause of Death	All Ages	Under 5 Years	5 - 24 Years	25 - 44 Years	45 - 64 Years	65 - 84 Years	85 Years & Over
All Causes	1,134.2	132.0	44.6	210.2	738.3	2,961.0	15,278.3
Diseases of Heart	248.8	1.9	1.0	17.4	137.3	627.6	4,224.9
Cancer (Malignant Neoplasms)	211.7	1.9	2.5	15.5	179.0	710.1	1,643.7
Accidents	76.0	11.8	15.7	88.7	87.4	90.8	467.1
Nontransport Accidents	65.4	9.4	9.2	75.3	76.2	77.6	451.0
Motor Vehicle Accidents	9.9	2.2	6.3	12.5	10.0	12.5	15.1
Other Transport Accidents	0.7	ND	ND	0.8	1.2	0.8	ND
Cerebrovascular Disease	52.6	ND	ND	2.4	20.4	135.9	974.2
Chronic Lower Respiratory Dis.	45.0	ND	0.6	0.8	22.9	154.7	508.4
Alzheimer's Disease	30.8	ND	ND	ND	1.5	58.2	851.5
Diabetes Mellitus	31.7	ND	0.4	3.8	26.2	98.6	289.9
Nephritis, Nephrotic Syndrome, and Nephrosis	24.1	ND	ND	1.1	11.0	70.0	374.4
Influenza & Pneumonia	15.4	ND	ND	1.4	7.4	39.7	263.5
Septicemia	19.5	ND	ND	1.4	13.3	62.4	206.8
Parkinson's Disease	13.2	ND	ND	ND	1.0	45.8	212.6
Intentional Self-harm (Suicide)	14.8	ND	7.0	18.4	20.3	16.0	23.5
Chronic Liver Dis. and Cirrhosis	14.0	ND	ND	4.3	24.9	34.5	28.4
Essential Hypertension and Hypertensive Renal Disease	10.5	ND	ND	0.5	6.3	26.5	175.3
Assault (Homicide)	8.2	4.9	9.1	15.6	5.4	1.8	ND
In Situ, Benign, and Uncertain Neoplasms	6.0	ND	ND	0.5	2.4	17.4	90.5
Nutritional Deficiencies	7.4	ND	ND	ND	1.2	14.9	189.1
Perinatal Conditions	3.1	60.0	ND	ND	ND	ND	ND
Congenital Malformations, Deformations & Chromosomal Abnormalities	2.8	17.7	0.9	1.2	2.8	2.7	5.8
Anemias	2.6	ND	ND	0.4	0.8	6.6	49.3
Disorders of Biliary Tract & Pancreas	1.9	ND	ND	0.6	1.5	5.2	20.9
Multiple Sclerosis	1.8	ND	ND	ND	2.2	6.0	5.5
Cholelithiasis & Other Disorders of Gallbladder	1.6	ND	ND	ND	0.5	4.7	28.7
Atherosclerosis	1.4	ND	ND	ND	0.3	3.1	31.2
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	0.9	ND	ND	0.6	0.7	1.7	9.0
Peptic Ulcer	1.2	ND	ND	ND	0.7	3.9	11.6
HIV Disease	1.1	ND	ND	1.2	2.1	1.4	ND
Epilepsy	1.1	ND	0.4	0.6	0.9	2.8	6.1
Hernia	0.9	ND	ND	ND	0.5	2.3	17.1
Pneumoconiosis	0.2	ND	ND	ND	ND	0.6	4.8
All Other Causes	283.7	29.9	6.0	33.2	157.4	714.9	4,563.1

* Rate per 100,000 population for each specified age group, 2022.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table C-12B
Resident Death Rates* for Selected Causes of Death
by Age Group - Males, Pennsylvania, 2022

Cause of Death	All Ages	Under 5 Years	5 - 24 Years	25 - 44 Years	45 - 64 Years	65 - 84 Years	85 Years & Over
All Causes	1,169.4	143.1	61.4	278.8	899.0	3,482.8	17,663.6
Diseases of Heart	264.9	ND	0.9	22.3	188.3	801.9	5,092.1
Cancer (Malignant Neoplasms)	222.8	ND	2.5	14.8	186.8	825.8	2,343.5
Accidents	99.0	14.3	20.6	123.1	124.3	122.8	570.8
Nontransport Accidents	83.5	11.1	11.8	103.8	107.3	102.4	547.4
Motor Vehicle Accidents	14.3	3.2	8.5	18.0	15.1	18.9	22.4
Other Transport Accidents	1.2	ND	ND	1.3	1.9	1.6	ND
Cerebrovascular Disease	44.3	ND	ND	2.0	22.5	144.7	911.7
Chronic Lower Respiratory Dis.	42.7	ND	0.7	0.8	20.7	166.3	640.9
Alzheimer's Disease	18.1	ND	ND	ND	0.8	47.3	644.8
Diabetes Mellitus	36.2	ND	ND	4.9	34.4	125.1	370.1
Nephritis, Nephrotic Syndrome, and Nephrosis	25.4	ND	ND	1.3	13.0	82.4	526.9
Influenza & Pneumonia	15.7	ND	ND	1.7	8.8	45.6	347.7
Septicemia	19.5	ND	ND	1.3	14.2	69.1	275.6
Parkinson's Disease	16.0	ND	ND	ND	1.6	63.4	335.1
Intentional Self-harm (Suicide)	24.1	ND	10.7	29.3	31.6	28.6	64.3
Chronic Liver Dis. and Cirrhosis	17.6	ND	ND	5.2	31.9	45.7	47.7
Essential Hypertension and Hypertensive Renal Disease	9.6	ND	ND	0.7	8.2	29.8	160.7
Assault (Homicide)	13.7	6.1	16.0	26.0	8.3	2.5	ND
In Situ, Benign, and Uncertain Neoplasms	6.1	ND	ND	0.7	2.7	19.7	124.7
Nutritional Deficiencies	5.1	ND	ND	ND	1.2	12.8	167.5
Perinatal Conditions	3.3	61.2	ND	ND	ND	ND	ND
Congenital Malformations, Deformations & Chromosomal Abnormalities	3.1	18.9	0.9	1.7	3.2	3.0	ND
Anemias	2.3	ND	ND	ND	0.9	7.2	52.6
Disorders of Biliary Tract & Pancreas	2.2	ND	ND	0.8	2.1	6.3	24.4
Multiple Sclerosis	1.2	ND	ND	ND	1.8	3.9	ND
Cholelithiasis & Other Disorders of Gallbladder	1.6	ND	ND	ND	ND	5.3	36.0
Atherosclerosis	1.2	ND	ND	ND	ND	3.4	30.2
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	0.8	ND	ND	0.7	1.0	1.7	ND
Peptic Ulcer	1.1	ND	ND	ND	0.7	3.9	14.6
HIV Disease	1.6	ND	ND	1.7	2.8	2.6	ND
Epilepsy	1.1	ND	ND	0.9	0.7	2.7	ND
Hernia	0.8	ND	ND	ND	0.6	2.0	16.6
Pneumoconiosis	0.5	ND	ND	ND	ND	1.4	14.6
All Other Causes	267.9	34.7	7.2	38.1	185.0	805.7	4,827.2

* Rate per 100,000 male population for each specified age group, 2022.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table C-12C
Resident Death Rates* for Selected Causes of Death
by Age Group - Females, Pennsylvania, 2022

Cause of Death	All Ages	Under 5 Years	5 - 24 Years	25 - 44 Years	45 - 64 Years	65 - 84 Years	85 Years & Over
All Causes	1,099.8	119.8	27.1	139.0	579.4	2,514.2	14,099.4
Diseases of Heart	233.1	ND	1.1	12.3	87.0	478.5	3,796.2
Cancer (Malignant Neoplasms)	200.9	ND	2.5	16.2	171.3	611.1	1,297.8
Accidents	53.7	9.1	10.6	53.0	50.9	63.5	415.9
Nontransport Accidents	47.8	7.6	6.5	45.8	45.4	56.3	403.4
Motor Vehicle Accidents	5.6	ND	4.0	6.8	4.9	7.0	11.6
Other Transport Accidents	0.3	ND	ND	ND	0.6	ND	ND
Cerebrovascular Disease	60.7	ND	ND	2.7	18.4	128.3	1,005.1
Chronic Lower Respiratory Dis.	47.1	ND	ND	0.7	25.0	144.8	442.9
Alzheimer's Disease	43.1	ND	ND	ND	2.2	67.5	953.6
Diabetes Mellitus	27.2	ND	ND	2.6	18.2	75.9	250.3
Nephritis, Nephrotic Syndrome, and Nephrosis	22.8	ND	ND	1.0	9.0	59.3	298.9
Influenza & Pneumonia	15.2	ND	ND	1.0	5.9	34.6	221.9
Septicemia	19.4	ND	ND	1.5	12.4	56.7	172.8
Parkinson's Disease	10.6	ND	ND	ND	ND	30.7	152.1
Intentional Self-harm (Suicide)	5.8	ND	3.1	7.0	9.1	5.2	ND
Chronic Liver Dis. and Cirrhosis	10.5	ND	ND	3.4	17.9	25.0	18.8
Essential Hypertension and Hypertensive Renal Disease	11.3	ND	ND	ND	4.3	23.7	182.4
Assault (Homicide)	2.7	3.7	2.0	4.9	2.4	1.2	ND
In Situ, Benign, and Uncertain Neoplasms	5.8	ND	ND	ND	2.2	15.5	73.7
Nutritional Deficiencies	9.7	ND	ND	ND	1.3	16.6	199.8
Perinatal Conditions	3.0	58.2	ND	ND	ND	ND	ND
Congenital Malformations, Deformations & Chromosomal Abnormalities	2.5	16.5	0.8	0.7	2.5	2.4	5.8
Anemias	3.0	ND	ND	ND	0.7	6.2	47.7
Disorders of Biliary Tract & Pancreas	1.7	ND	ND	ND	1.0	4.2	19.3
Multiple Sclerosis	2.4	ND	ND	ND	2.7	7.9	6.3
Cholelithiasis & Other Disorders of Gallbladder	1.7	ND	ND	ND	ND	4.1	25.0
Atherosclerosis	1.6	ND	ND	ND	ND	2.9	31.8
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	0.9	ND	ND	0.6	ND	1.7	10.6
Peptic Ulcer	1.2	ND	ND	ND	0.6	3.9	10.1
HIV Disease	0.6	ND	ND	0.6	1.4	ND	ND
Epilepsy	1.2	ND	ND	ND	1.1	2.8	5.8
Hernia	1.1	ND	ND	ND	ND	2.6	17.3
Pneumoconiosis	ND	ND	ND	ND	ND	ND	ND
All Other Causes	299.1	25.0	4.7	28.2	130.1	637.1	4,432.6

* Rate per 100,000 female population for each specified age group, 2022.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table C-12D
Resident Death Rates* for Selected Causes of Death
by Age Group - White Race, Pennsylvania, 2022

Cause of Death	All Ages	Under 5 Years	5 - 24 Years	25 - 44 Years	45 - 64 Years	65 - 84 Years	85 Years & Over
All Causes	1,207.5	101.9	32.5	185.3	690.2	2,893.0	15,450.6
Diseases of Heart	267.4	2.1	0.9	14.7	123.5	602.0	4,307.6
Cancer (Malignant Neoplasms)	228.9	2.1	2.1	15.2	177.8	699.6	1,652.2
Accidents	73.9	10.4	13.7	84.5	74.2	88.0	485.9
Nontransport Accidents	63.3	8.3	7.7	71.9	62.7	74.9	469.6
Motor Vehicle Accidents	9.9	2.1	6.0	11.9	10.2	12.3	15.2
Other Transport Accidents	0.7	ND	ND	0.7	1.3	0.8	ND
Cerebrovascular Disease	55.8	ND	ND	1.9	17.4	129.8	962.2
Chronic Lower Respiratory Dis.	50.8	ND	ND	ND	23.7	159.5	521.5
Alzheimer's Disease	35.0	ND	ND	ND	1.7	58.7	866.2
Diabetes Mellitus	32.3	ND	ND	2.9	23.6	92.5	282.5
Nephritis, Nephrotic Syndrome, and Nephrosis	24.9	ND	ND	1.0	8.9	65.1	369.0
Influenza & Pneumonia	16.7	ND	ND	1.2	6.6	39.4	265.2
Septicemia	19.9	ND	ND	1.3	11.8	57.5	202.0
Parkinson's Disease	15.7	ND	ND	ND	1.1	49.0	224.6
Intentional Self-harm (Suicide)	15.8	ND	6.3	19.0	22.0	16.7	25.1
Chronic Liver Dis. and Cirrhosis	15.5	ND	ND	4.7	26.3	34.7	29.7
Essential Hypertension and Hypertensive Renal Disease	10.9	ND	ND	0.4	5.5	24.3	173.0
Assault (Homicide)	2.6	2.9	1.8	4.4	2.6	1.2	ND
In Situ, Benign, and Uncertain Neoplasms	6.6	ND	ND	ND	2.5	17.5	92.5
Nutritional Deficiencies	8.3	ND	ND	ND	1.2	14.8	192.4
Perinatal Conditions	1.9	41.4	ND	ND	ND	ND	ND
Congenital Malformations, Deformations & Chromosomal Abnormalities	2.8	16.8	1.0	1.4	2.9	2.8	5.6
Anemias	2.8	ND	ND	ND	0.6	6.5	50.1
Disorders of Biliary Tract & Pancreas	2.2	ND	ND	0.6	1.7	5.2	21.5
Multiple Sclerosis	1.9	ND	ND	ND	2.2	6.2	5.6
Cholelithiasis & Other Disorders of Gallbladder	1.8	ND	ND	ND	0.5	4.4	29.0
Atherosclerosis	1.6	ND	ND	ND	ND	3.3	32.1
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	0.8	ND	ND	0.4	0.5	1.7	9.9
Peptic Ulcer	1.3	ND	ND	ND	0.8	3.9	11.7
HIV Disease	0.5	ND	ND	0.5	1.0	0.7	ND
Epilepsy	1.1	ND	ND	0.5	0.9	2.7	6.0
Hernia	1.1	ND	ND	ND	0.5	2.5	18.4
Pneumoconiosis	0.3	ND	ND	ND	ND	0.7	4.9
All Other Causes	306.4	23.6	4.9	29.3	147.8	702.4	4,602.8

* Rate per 100,000 population for each specified age group, 2022.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-12E
Resident Death Rates* for Selected Causes of Death
by Age Group - Black Race, Pennsylvania, 2022

Cause of Death	All Ages	Under 5 Years	5 - 24 Years	25 - 44 Years	45 - 64 Years	65 - 84 Years	85 Years & Over
All Causes	964.2	204.5	91.6	336.5	1,133.2	3,757.0	13,460.2
Diseases of Heart	214.4	ND	ND	35.8	255.2	948.6	3,555.0
Cancer (Malignant Neoplasms)	160.4	ND	2.7	16.2	195.6	837.9	1,667.9
Accidents	96.1	17.5	21.9	104.0	187.0	126.4	249.9
Nontransport Accidents	85.3	13.8	15.4	87.0	177.3	113.5	244.8
Motor Vehicle Accidents	9.8	ND	5.9	16.0	8.6	11.6	ND
Other Transport Accidents	0.9	ND	ND	ND	ND	ND	ND
Cerebrovascular Disease	45.1	ND	ND	3.7	43.7	192.2	1,050.7
Chronic Lower Respiratory Dis.	25.2	ND	ND	2.8	22.6	133.3	346.8
Alzheimer's Disease	13.9	ND	ND	ND	ND	48.9	688.6
Diabetes Mellitus	33.3	ND	ND	7.6	45.4	153.7	331.5
Nephritis, Nephrotic Syndrome, and Nephrosis	25.2	ND	ND	2.2	27.4	117.0	464.1
Influenza & Pneumonia	11.8	ND	ND	2.8	13.1	44.3	234.6
Septicemia	22.3	ND	ND	2.4	25.1	114.1	285.6
Parkinson's Disease	2.5	ND	ND	ND	ND	14.6	61.2
Intentional Self-harm (Suicide)	9.3	ND	7.2	14.2	9.7	7.6	ND
Chronic Liver Dis. and Cirrhosis	6.6	ND	ND	ND	13.4	28.5	ND
Essential Hypertension and Hypertensive Renal Disease	10.3	ND	ND	ND	11.4	44.8	214.2
Assault (Homicide)	41.8	12.0	42.1	76.9	23.4	8.7	ND
In Situ, Benign, and Uncertain Neoplasms	3.6	ND	ND	ND	ND	16.3	81.6
Nutritional Deficiencies	4.4	ND	ND	ND	ND	18.6	153.0
Perinatal Conditions	7.1	102.3	ND	ND	ND	ND	ND
Congenital Malformations, Deformations & Chromosomal Abnormalities	2.7	21.2	ND	ND	3.1	ND	ND
Anemias	2.5	ND	ND	ND	ND	8.2	ND
Disorders of Biliary Tract & Pancreas	1.4	ND	ND	ND	ND	6.4	ND
Multiple Sclerosis	1.6	ND	ND	ND	3.4	7.0	ND
Cholelithiasis & Other Disorders of Gallbladder	1.0	ND	ND	ND	ND	6.4	ND
Atherosclerosis	ND	ND	ND	ND	ND	ND	ND
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	1.2	ND	ND	ND	ND	ND	ND
Peptic Ulcer	ND	ND	ND	ND	ND	ND	ND
HIV Disease	4.4	ND	ND	4.4	9.4	9.3	ND
Epilepsy	1.4	ND	ND	ND	ND	ND	ND
Hernia	ND	ND	ND	ND	ND	ND	ND
Pneumoconiosis	ND	ND	ND	ND	ND	ND	ND
All Other Causes	213.6	43.3	9.9	52.7	232.7	847.8	3,947.8

* Rate per 100,000 population for each specified age group, 2022.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-12F
Resident Death Rates* for Selected Causes of Death
by Age Group - Hispanic Origin, Pennsylvania, 2022

Cause of Death	All Ages	Under 5 Years	5 - 24 Years	25 - 44 Years	45 - 64 Years	65 - 84 Years	85 Years & Over
All Causes	368.5	131.1	46.5	193.7	530.7	2,236.2	9,713.0
Diseases of Heart	57.3	ND	ND	9.8	83.1	441.6	2,358.4
Cancer (Malignant Neoplasms)	57.8	ND	ND	13.7	106.5	493.3	868.9
Accidents	57.7	11.7	15.9	91.8	98.7	70.5	201.7
Nontransport Accidents	48.5	9.7	10.2	76.6	90.9	56.4	170.7
Motor Vehicle Accidents	8.4	ND	5.0	14.3	6.8	ND	ND
Other Transport Accidents	ND	ND	ND	ND	ND	ND	ND
Cerebrovascular Disease	15.1	ND	ND	ND	13.2	126.8	744.8
Chronic Lower Respiratory Dis.	6.5	ND	ND	ND	7.3	50.1	263.8
Alzheimer's Disease	8.9	ND	ND	ND	ND	72.0	775.8
Diabetes Mellitus	11.9	ND	ND	3.6	21.0	98.7	217.2
Nephritis, Nephrotic Syndrome, and Nephrosis	8.2	ND	ND	ND	10.3	73.6	279.3
Influenza & Pneumonia	3.7	ND	ND	ND	5.9	29.8	ND
Septicemia	5.9	ND	ND	ND	11.2	53.2	ND
Parkinson's Disease	2.6	ND	ND	ND	ND	29.8	155.2
Intentional Self-harm (Suicide)	7.2	ND	5.2	12.2	6.4	ND	ND
Chronic Liver Dis. and Cirrhosis	7.8	ND	ND	5.1	19.1	45.4	ND
Essential Hypertension and Hypertensive Renal Disease	2.2	ND	ND	ND	5.4	15.7	ND
Assault (Homicide)	12.2	ND	12.9	18.5	8.3	ND	ND
In Situ, Benign, and Uncertain Neoplasms	1.0	ND	ND	ND	ND	ND	ND
Nutritional Deficiencies	1.3	ND	ND	ND	ND	ND	ND
Perinatal Conditions	5.6	59.2	ND	ND	ND	ND	ND
Congenital Malformations, Deformations & Chromosomal Abnormalities	1.9	16.5	ND	ND	ND	ND	ND
Anemias	1.1	ND	ND	ND	ND	ND	ND
Disorders of Biliary Tract & Pancreas	ND	ND	ND	ND	ND	ND	ND
Multiple Sclerosis	ND	ND	ND	ND	ND	ND	ND
Cholelithiasis & Other Disorders of Gallbladder	ND	ND	ND	ND	ND	ND	ND
Atherosclerosis	ND	ND	ND	ND	ND	ND	ND
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	ND	ND	ND	ND	ND	ND	ND
Peptic Ulcer	ND	ND	ND	ND	ND	ND	ND
HIV Disease	1.6	ND	ND	ND	ND	ND	ND
Epilepsy	ND	ND	ND	ND	ND	ND	ND
Hernia	ND	ND	ND	ND	ND	ND	ND
Pneumoconiosis	ND	ND	ND	ND	ND	ND	ND
All Other Causes	87.6	34.0	6.7	27.7	123.2	559.1	3,320.4

* Rate per 100,000 population for each specified age group, 2022.

Notes: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Hispanic origin can be of any race.

Table C-13
Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals for Selected Causes of Death
Pennsylvania Residents, 2022 and Average Annual, 2018-2022
and Age-Adjusted Death Rates, United States, 2022

Cause of Death	Pennsylvania						United States
	2022		2018-2022		2022		Rate
	Number	Rate	CI (95%)	Number	Rate	CI (95%)	Rate
All Causes	147,124	817.8	813.6-822.0	726,709	821.9	820.0-823.8	NA
Diseases of Heart	32,277	172.1	170.2-174.0	162,543	176.4	175.5-177.3	NA
Cancer (Malignant Neoplasms)	27,463	147.6	145.9-149.4	138,705	152.9	152.1-153.7	NA
Accidents	9,865	69.0	67.6-70.4	46,735	66.6	66.0-67.2	NA
Nontransport Accidents	8,488	59.0	57.7-60.3	40,062	56.8	56.2-57.4	NA
Motor Vehicle Accidents	1,280	9.4	8.9-9.9	6,264	9.2	9.0-9.4	NA
Other Transport Accidents	97	0.7	0.6-0.8	409	0.6	0.5-0.7	NA
Cerebrovascular Disease	6,824	36.3	35.4-37.2	33,751	36.5	36.1-36.9	NA
Chronic Lower Respiratory Dis.	5,831	30.7	29.9-31.5	30,277	32.8	32.4-33.2	NA
Alzheimer's Disease	3,991	20.8	20.2-21.5	20,850	22.0	21.7-22.3	NA
Diabetes Mellitus	4,106	22.5	21.8-23.2	19,779	22.1	21.8-22.4	NA
Nephritis, Nephrotic Syndrome, and Nephrosis	3,125	16.6	16.0-17.2	14,937	16.2	15.9-16.5	NA
Influenza & Pneumonia	2,004	10.8	10.3-11.3	11,550	12.7	12.5-12.9	NA
Septicemia	2,529	13.7	13.2-14.2	11,961	13.3	13.1-13.5	NA
Parkinson's Disease	1,717	9.1	8.7-9.5	8,425	9.2	9.0-9.4	NA
Intentional Self-harm (Suicide)	1,925	14.0	13.4-14.6	9,393	13.8	13.5-14.1	NA
Chronic Liver Dis. and Cirrhosis	1,821	10.7	10.2-11.2	8,111	9.7	9.5-9.9	NA
Essential Hypertension/H.R.D.*	1,358	7.2	6.8-7.6	6,365	6.8	6.6-7.0	NA
Assault (Homicide)	1,059	8.8	8.3-9.3	4,656	7.8	7.6-8.0	NA

* Hypertensive Renal Disease

Notes: Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 100,000. Unknowns excluded from calculations.

CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.

2020 US National Death data currently not yet available.

Table C-14
Resident Deaths by Cause, Number and Rate: Pennsylvania, 2022

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Number of Deaths	Rate*
All Causes	147,124	1,134.2
Certain Infectious and Parasitic Diseases (A00-B99)	3,671	28.3
Intestinal Infectious Diseases (A00-A09)	341	2.6
Tuberculosis (A16-A19)	21	0.2
Respiratory Tuberculosis (A16)	16	0.1
Other Tuberculosis (A17-A19)	5	ND
Zoonotic and Other Bacterial Diseases (A20-A49)	2,775	21.4
Septicemia (A40-A41)	2,529	19.5
Other Zoonotic and Bacterial Diseases (A20-A39,A42-A49)	246	1.9
Infections With a Predominately Sexual Mode of Transmission (A50-A64)	0	ND
Syphilis (A50-A53)	0	ND
Gonococcal Infection (A54)	0	ND
Other Infections With a Predominately Sexual Mode of Transmission (A55-A64)	0	ND
Other Infections Caused by Spirochetes, Chlamydia or Rickettsia (A65-A79)	5	ND
Lyme Disease (A69.2)	4	ND
All Other Infections (A65-A68,A69.0-A69.1,A69.8-A69.9,A70-A79)	1	ND
Viral Diseases (A80-B34)	394	3.0
Viral Hepatitis (B15-B19)	93	0.7
Human Immunodeficiency Virus (HIV) Disease (B20-B24)	140	1.1
All Other and Unspecified Viral Diseases (A80-A99,B00-B09,B25-B34)	161	1.2
Other and Unspecified Infectious and Parasitic Diseases and Their Sequelae (B35-B99)	135	1.0
Mycoses (B35-B49)	69	0.5
Protozoal Diseases (B50-B64)	12	0.1
Helminthiases (B65-B83)	0	ND
Sequelae of Tuberculosis (B90)	0	ND
Sequelae of Poliomyelitis (B91)	1	ND
All Other and Unspecified Infectious and Parasitic Diseases and Their Sequelae (B85-B89,B92-B99)	53	0.4
Neoplasms (C00-D48)	28,238	217.7
Malignant Neoplasms (C00-C97)	27,463	211.7
Malignant Neoplasms of Lip, Oral Cavity and Pharynx (C00-C14)	471	3.6
Of Lip (C00)	1	ND
Of Tongue (C01-C02)	133	1.0
Of Pharynx (C10-C13,C14.0)	166	1.3
Of Other and Unspecified Sites Within the Lip, Oral Cavity and Pharynx (C03-C09,C14.2-C14.8)	171	1.3
Malignant Neoplasms of Digestive Organs (C15-C26)	7,266	56.0
Of Esophagus (C15)	838	6.5
Of Stomach (C16)	372	2.9
Of Small Intestine (C17)	77	0.6
Of Colon, Rectum and Anus (C18-C21)	2,345	18.1
Colon (C18)	1,740	13.4
Rectosigmoid Junction and Rectum (C19-C20)	527	4.1
Anus and Anal Canal (C21)	78	0.6
Of Liver and Intrahepatic Bile Ducts (C22)	1,175	9.1
Liver (C22.0,C22.2-C22.9)	774	6.0
Intrahepatic Bile Duct Carcinoma (C22.1)	401	3.1
Of Gallbladder and Extrahepatic Bile Ducts (C23-C24)	174	1.3
Of Pancreas (C25)	2,187	16.9
Of Other and Ill-Defined Digestive Organs (C26)	98	0.8

* Rate per 100,000 population.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-14
Resident Deaths by Cause, Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Number of Deaths	Rate*
Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	6,399	49.3
Of Nasal Cavity, Middle Ear and Accessory Sinuses (C30-C31)	25	0.2
Of Larynx (C32)	186	1.4
Of Trachea, Bronchus and Lung (C33-C34)	6,163	47.5
Of Thymus, Heart, Mediastinum and Pleura (C37-C38)	22	0.2
Of Other and Ill-Defined Sites in Respiratory System and Intrathoracic Organs (C39)	3	ND
Malignant Neoplasms of Bone and Articular Cartilage (C40-C41)	80	0.6
Melanoma and Other Malignant Neoplasms of Skin (C43-C44)	584	4.5
Malignant Melanoma of Skin (C43)	366	2.8
Other Malignant Neoplasms of Skin (C44)	218	1.7
Malignant Neoplasms of Mesothelial and Soft Tissue (C45-C49)	426	3.3
Mesothelioma (C45)	124	1.0
Kaposi's Sarcoma (C46)	4	ND
Of Other Mesothelial and Soft Tissue (C47-C49)	298	2.3
Malignant Neoplasm of Breast (C50)	1,912	14.7
Malignant Neoplasms of Female Genital Organs (C51-C58)	1,471	11.3
Of Vulva and Vagina (C51-C52)	85	0.7
Of Cervix Uteri (C53)	160	1.2
Of Corpus Uteri and Uterus, Part Unspecified (C54-C55)	623	4.8
Of Ovary (C56)	557	4.3
Of Other and Unspecified Female Genital Organs (C57)	46	0.4
Of Placenta (C58)	0	ND
Malignant Neoplasms of Male Genital Organs (C60-C63)	1,408	10.9
Of Prostate (C61)	1,385	10.7
Of Testis (C62)	9	ND
Of Penis and Other and Unspecified Male Genital Organs (C60,C63)	14	0.1
Malignant Neoplasms of Urinary Tract (C64-C68)	1,485	11.4
Of Kidney and Renal Pelvis (C64-C65)	579	4.5
Of Bladder (C67)	858	6.6
Of Other and Unspecified Sites Within the Urinary Tract (C66,C68)	48	0.4
Malignant Neoplasm of Eye and Adnexa (C69)	18	0.1
Malignant Neoplasms of Meninges, Brain and Other Parts of Central Nervous System (C70-C72)	765	5.9
Of Brain (C71)	746	5.8
Of Other Parts of Central Nervous System (C70,C72)	19	0.1
Malignant Neoplasms of Thyroid and Other Endocrine Glands (C73-C75)	130	1.0
Other Malignant Neoplasms of Other and Unspecified Sites (C76-C80,C97)	2,489	19.2
Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue (C81-C96)	2,559	19.7
Hodgkin's Disease (C81)	50	0.4
Of Other Lymphoid, Hematopoietic and Related Tissue (C82-C85,C96)	911	7.0
Non-Hodgkin's Lymphoma (C82-C85)	905	7.0
Of Other and Unspecified Lymphoid, Hematopoietic and Related Tissue (C96)	6	ND
Malignant Immunoproliferative Diseases (C88)	20	0.2
Multiple Myeloma and Malignant Plasma Cell Neoplasms (C90)	551	4.2
Leukemia (C91-C95)	1,027	7.9
Lymphoid Leukemia (C91)	280	2.2
Myeloid Leukemia (C92)	595	4.6
Monocytic Leukemia (C93)	5	ND
Other and Unspecified Leukemia (C94-C95)	147	1.1

* Rate per 100,000 population.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-14
Resident Deaths by Cause, Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Number of Deaths	Rate*
In Situ Neoplasms (D00-D09)	1	ND
Carcinoma In Situ of Breast and Genitourinary System (D05-D07)	1	ND
Carcinoma In Situ of Other and Unspecified Sites (D00-D04,D09)	0	ND
Benign Neoplasms (D10-D36)	61	0.5
Of Female Genital Organs (D25-D28)	2	ND
Of Eye, Brain and Other Parts of Central Nervous System (D31-D33)	38	0.3
Of Other and Unspecified Sites (D10-D24,D29-D30,D34-D36)	21	0.2
Neoplasms of Uncertain or Unknown Behavior of Specified Sites (D37-D47)	643	5.0
Neoplasm of Uncertain or Unknown Behavior of Unspecified Sites (D48)	70	0.5
Diseases of the Blood and Blood-Forming Organs and Certain Disorders Involving the Immune Mechanism (D50-D89)	617	4.8
Anemias (D50-D64)	343	2.6
Nutritional Anemias (D50-D53)	36	0.3
Hemolytic Anemias (D55-D59)	24	0.2
Aplastic Anemias (D60-D61)	49	0.4
Acute Posthemorrhagic and Other Anemias (D62,D64)	234	1.8
Coagulation Defects, Purpura and Other Hemorrhagic Conditions (D65-D69)	141	1.1
Other Diseases of Blood and Blood-Forming Organs (D70-D76)	56	0.4
Certain Disorders Involving the Immune Mechanism (D80-D89)	77	0.6
Endocrine, Nutritional and Metabolic Diseases (E00-E88)	7,454	57.5
Endocrine Diseases (E00-E34)	4,317	33.3
Disorders of Thyroid Gland (E00-E07)	146	1.1
Diabetes Mellitus (E10-E14)	4,106	31.7
Disorders of Pituitary Gland (E22-E23)	10	0.1
Disorders of Adrenal Glands (E24-E27)	15	0.1
Diseases of Thymus (E32)	0	ND
Other Endocrine Diseases (E15-E21,E28-E31,E34)	40	0.3
Nutritional Diseases (E40-E68)	1,344	10.4
Malnutrition (E40-E46)	947	7.3
Nutritional Marasmus (E41)	3	ND
Other and Unspecified Malnutrition (E40,E42-E46)	944	7.3
Other Nutritional Deficiencies (E50-E64)	19	0.1
Obesity and Other Hyperalimentation (E65-E68)	378	2.9
Metabolic Disorders (E70-E88)	1,793	13.8
Cystic Fibrosis (E84)	10	0.1
Volume Depletion, Disorders of Fluid, Electrolyte and Acid-Base Balance (E86-E87)	470	3.6
Other Metabolic Disorders (E70-E83,E85,E88)	1,313	10.1
Mental and Behavioral Disorders (F01-F99)	7,729	59.6
Organic Dementia (F01,F03)	6,906	53.2
Other and Unspecified Organic Mental Disorders (F04-F09)	75	0.6
Mental and Behavioral Disorders Due to Psychoactive Substance Use (F10-F19)	625	4.8
Mental and Behavioral Disorders Due to Use of Alcohol (F10)	525	4.0
Mental and Behavioral Disorders Due to Other Psychoactive Substance Use (F11-F19)	100	0.8
Schizophrenia, Schizotypal and Delusional Disorders (F20-F29)	39	0.3
Mood (Affective) Disorders (F30-F39)	31	0.2
Neurotic, Stress-Related and Somatoform Disorders (F40-F48)	14	0.1
Mental Retardation (F70-F79)	9	ND
Other and Unspecified Mental and Behavioral Disorders (F50-F69,F80-F99)	30	0.2

* Rate per 100,000 population.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-14
Resident Deaths by Cause, Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Number of Deaths	Rate*
Diseases of the Nervous System (G00-G98)	9,405	72.5
Meningitis (G00,G03)	25	0.2
Other Inflammatory Diseases of Central Nervous System (G04-G09)	55	0.4
Parkinson's Disease (G20-G21)	1,717	13.2
Alzheimer's Disease (G30)	3,991	30.8
Multiple Sclerosis (G35)	231	1.8
Epilepsy (G40-G41)	147	1.1
Transient Cerebral Ischemic Attacks and Related Syndromes (G45)	9	ND
Infantile Cerebral Palsy (G80)	83	0.6
All Other Diseases of Nervous System (G10-G12,G23-G25,G31,G36-G37, G43-G44,G47-G72,G81-G98)	3,143	24.2
Diseases of the Eye and Adnexa (H00-H57)	6	ND
Diseases of the Ear and Mastoid Process (H60-H93)	3	ND
Diseases of the Circulatory System (I00-I99)	41,800	322.2
Major Cardiovascular Diseases (I00-I78)	41,634	321.0
Acute Rheumatic Fever and Chronic Rheumatic Heart Diseases (I00-I09)	193	1.5
Acute Rheumatic Fever (I00-I02)	3	ND
Chronic Rheumatic Heart Diseases (I05-I09)	190	1.5
Rheumatic Mitral Valve Diseases (I05)	77	0.6
Rheumatic Aortic Valve Diseases (I06)	2	ND
Disorders of Both Mitral and Aortic Valves (I08.0)	55	0.4
Other Chronic Rheumatic Heart Diseases (I07,I08.1-I08.9,I09)	56	0.4
Hypertensive Diseases (I10-I13)	3,929	30.3
Essential (Primary) Hypertension (I10)	877	6.8
Hypertensive Heart Disease (I11)	2,014	15.5
Hypertensive Renal Disease (I12)	481	3.7
Hypertensive Heart and Renal Disease (I13)	557	4.3
Ischemic Heart Diseases (I20-I25)	16,237	125.2
Acute Myocardial Infarction (I21-I22)	4,684	36.1
Other Acute Ischemic Heart Diseases (I24)	345	2.7
Other Forms of Chronic Ischemic Heart Disease (I20,I25)	11,208	86.4
Atherosclerotic Cardiovascular Disease, So Described (I25.0)	3,534	27.2
All Other Forms of Chronic Ischemic Heart Disease (I20,I25.1-I25.9)	7,674	59.2
Other Heart Diseases (I26-I51)	13,276	102.3
Pulmonary Heart Disease and Diseases of Pulmonary Circulation (I26-I28)	972	7.5
Pulmonary Embolism (I26)	445	3.4
Other Pulmonary Heart Disease and Diseases of Pulmonary Circulation (I27-I28)	527	4.1
Other Non-Pulmonary Forms of Heart Disease (I30-I51)	12,304	94.9
Acute and Subacute Endocarditis (I33)	88	0.7
Diseases of Pericardium and Acute Myocarditis (I30-I31,I40)	47	0.4
Other Diseases of Endocardium (I34-I38)	1,424	11.0
Nonrheumatic Mitral Valve Disorders (I34)	138	1.1
Nonrheumatic Aortic Valve Disorders (I35)	1,027	7.9
All Other Diseases of Endocardium (I36-I38)	259	2.0
Cardiomyopathy (I42)	1,129	8.7
Conduction Disorders and Cardiac Dysrhythmias (I44-I49)	3,335	25.7
Heart Failure (I50)	5,269	40.6
Congestive Heart Failure (I50.0)	3,683	28.4
Other and Unspecified Heart Failure (I50.1-I50.9)	1,586	12.2
Myocarditis, Unspecified and Myocardial Degeneration (I51.4-I51.5)	31	0.2
All Other and Ill-Defined Forms of Heart Disease (I51.0-I51.3,I51.6-I51.9)	981	7.6

* Rate per 100,000 population.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-14
Resident Deaths by Cause, Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Number of Deaths	Rate*
Cerebrovascular Diseases (I60-I69)	6,824	52.6
Subarachnoid Hemorrhage (I60)	205	1.6
Intracerebral and Other Intracranial Hemorrhage (I61-I62)	1,238	9.5
Cerebral Infarction (I63)	923	7.1
Stroke, Not Specified As Hemorrhage or Infarction (I64)	2,292	17.7
Other Cerebrovascular Diseases and Their Sequelae (I67,I69)	2,166	16.7
Diseases of Arteries, Arterioles and Capillaries (I70-I78)	1,174	9.1
Atherosclerosis (I70)	178	1.4
Aortic Aneurysm and Dissection (I71)	478	3.7
Other Diseases of Arteries, Arterioles and Capillaries (I72-I78)	518	4.0
Other Disorders of Circulatory System (I80-I99)	166	1.3
Phlebitis, Thrombophlebitis, Venous Embolism and Thrombosis (I80-I82)	112	0.9
All Other and Unspecified Disorders of Circulatory System (I83-I99)	54	0.4
Diseases of the Respiratory System (J00-J98)	11,431	88.1
Acute Upper Respiratory Infections (J00-J06)	8	ND
Acute Pharyngitis and Tonsillitis (J02-J03)	1	ND
Acute Laryngitis and Tracheitis (J04)	1	ND
Other and Unspecified Acute Upper Respiratory Infections (J00-J01,J05-J06)	6	ND
Other Diseases of the Respiratory System (J10-J98)	11,422	88.1
Influenza (J10-J11)	246	1.9
Pneumonia (J12-J18)	1,758	13.6
Viral Pneumonia, Not Elsewhere Classified (J12)	64	0.5
Bacterial Pneumonia (J13-J15)	134	1.0
Pneumonia Due to Other or Unspecified Organisms (J16,J18)	1,560	12.0
Other Acute Lower Respiratory Infections (J20-J22)	15	0.1
Acute Bronchitis and Bronchiolitis (J20-J21)	7	ND
Unspecified Acute Lower Respiratory Infection (J22)	8	ND
Other Diseases of Upper Respiratory Tract (J30-J39)	44	0.3
Chronic Lower Respiratory Diseases (J40-J47)	5,831	45.0
Bronchitis, Chronic and Unspecified, Emphysema and Asthma (J40-J46)	5,788	44.6
Bronchitis, Not Specified As Acute or Chronic (J40)	5	ND
Chronic Bronchitis (J41-J42)	9	ND
Emphysema (J43)	329	2.5
Other Chronic Obstructive Pulmonary Disease (J44)	5,283	40.7
Asthma (J45-J46)	162	1.2
Bronchiectasis (J47)	43	0.3
Lung Diseases Due to External Agents (J60-J70)	1,205	9.3
Pneumoconiosis and Chemical Effects (J60-J66,J68)	31	0.2
Pneumonitis Due to Solids and Liquids (J69)	1,158	8.9
Pneumonitis Due to Food and Vomit (J69.0)	1,157	8.9
Other Pneumonitis Due to Solids and Liquids (J69.1-J69.8)	1	ND
Other Lung Diseases Due to External Agents (J67,J70)	16	0.1
Suppurative and Necrotic Conditions of Lower Respiratory Tract (J85-J86)	56	0.4
Pleural Effusion and Plaque (J90,J92)	109	0.8
All Other Diseases of Respiratory System (J80-J84,J93-J98)	2,158	16.6
Diseases of the Digestive System (K00-K92)	5,619	43.3
Diseases of Oral Cavity, Salivary Glands and Jaws (K00-K14)	14	0.1
Diseases of Other Parts of Digestive System (K20-K92)	5,605	43.2
Diseases of Esophagus (K20-K22)	161	1.2
Peptic Ulcer (K25-K28)	151	1.2
Gastric Ulcer (K25)	48	0.4
Duodenal Ulcer (K26)	66	0.5
Peptic Ulcer, Site Unspecified (K27)	34	0.3
Gastrojejunal Ulcer (K28)	3	ND
Gastritis and Duodenitis (K29)	6	ND

* Rate per 100,000 population.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-14
Resident Deaths by Cause, Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Number of Deaths	Rate*
Dyspepsia and Other Diseases of Stomach and Duodenum (K30-K31)	66	0.5
Diseases of Appendix (K35-K38)	24	0.2
Hernia (K40-K46)	123	0.9
Crohn's Disease and Ulcerative Colitis (K50-K51)	44	0.3
Vascular Disorders and Obstruction of Intestine Without Hernia (K55-K56)	796	6.1
Diverticular Disease of Intestine (K57)	162	1.2
Other Diseases of Intestines and Peritoneum (K52,K58-K63)	274	2.1
Diseases of Peritoneum (K65-K66)	132	1.0
Diseases of Liver (K70-K76)	2,529	19.5
Alcoholic Liver Disease (K70)	770	5.9
Chronic Hepatitis, Not Elsewhere Classified (K73)	0	ND
Fibrosis and Cirrhosis of Liver (K74)	1,051	8.1
Other Diseases of Liver (K71-K72,K75-K76)	708	5.5
Cholelithiasis and Other Disorders of Gallbladder (K80-K82)	212	1.6
Disorders of Biliary Tract and Pancreas (K83-K86)	252	1.9
Pancreatitis (K85,K86.0-K86.1)	124	1.0
Other Disorders of Biliary Tract and Pancreas (K83,K86.2-K86.9)	128	1.0
All Other Diseases of Digestive System (K90,K92)	673	5.2
Diseases of the Skin and Subcutaneous Tissue (L00-L98)	327	2.5
Infections of Skin and Subcutaneous Tissue (L00-L08)	160	1.2
Other and Unspecified Diseases of Skin and Subcutaneous Tissue (L10-L98)	167	1.3
Diseases of the Musculoskeletal System and Connective Tissue (M00-M99)	732	5.6
Rheumatoid Arthritis and Related Inflammatory Polyarthropathies (M05-M08)	86	0.7
Systemic Lupus Erythematosus (M32)	29	0.2
Other Arthropathies and Related Disorders (M00,M02,M10-M31,M33-M35)	190	1.5
Dorsopathies (M40-M54)	83	0.6
Soft Tissue Disorders (M60-M79)	122	0.9
Osteopathies, Chondropathies and Other Disorders of Musculoskeletal System and Connective Tissue (M80-M99)	222	1.7
Osteoporosis (M80-M81)	23	0.2
Other Osteopathies, Chondropathies and Disorders of Musculoskeletal System and Connective Tissue (M83-M99)	199	1.5
Diseases of the Genitourinary System (N00-N98)	4,140	31.9
Diseases of Urinary System (N00-N39)	4,049	31.2
Glomerular and Renal Tubulo-Interstitial Diseases (N00-N15)	145	1.1
Glomerular Diseases (N00-N07)	56	0.4
Acute and Rapidly Progressive Nephritic Syndrome (N00-N01)	40	0.3
Nephrotic Syndrome (N04)	6	ND
Other and Unspecified Glomerular Diseases (N02-N03,N05-N07)	10	0.1
Renal Tubulo-Interstitial Diseases (N10-N15)	89	0.7
Renal Failure (N17-N19)	3,065	23.6
Urolithiasis (N20-N23)	48	0.4
Other and Unspecified Disorders of Kidney (N25-N27)	4	ND
Urinary Tract Infection, Site Not Specified (N39.0)	664	5.1
Other Diseases of Urinary System (N28-N36,N39.1-N39.9)	123	0.9
Diseases of Male Genital Organs (N40-N50)	48	0.4
Hyperplasia of Prostate (N40)	24	0.2
Other Diseases of Male Genital Organs (N41-N50)	24	0.2
Disorders of Breast (N60-N64)	12	0.1
Disorders of Female Genital Organs (N70-N98)	31	0.2
Inflammatory Diseases of Female Pelvic Organs (N70-N76)	12	0.1
Noninflammatory Disorders of Female Genital Tract (N80-N98)	19	0.1

* Rate per 100,000 population.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-14
Resident Deaths by Cause, Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Number of Deaths	Rate*
Pregnancy, Childbirth and the Puerperium (O00-O99)	45	0.3
Pregnancy with Abortive Outcome (O00-O07)	2	ND
Ectopic Pregnancy (O00)	1	ND
Spontaneous Abortion (O03)	1	ND
Medical Abortion (O04)	0	ND
Other Abortion (O05)	0	ND
Other and Unspecified Pregnancy With Abortive Outcome (O01-O02,O06-O07)	0	ND
Other Direct Obstetric Deaths (O10-O92)	9	ND
Eclampsia and Pre-Eclampsia (O11,O13-O16)	1	ND
Hemorrhage of Pregnancy and Childbirth and Placenta Previa (O20,O44-O46,O67,O72)	0	ND
Complications Predominantly Related to the Puerperium (O85-O92)	4	ND
Obstetric Embolism (O88)	3	ND
Other Complications Predominately Related to the Puerperium (O85-O87,O89-O92)	1	ND
All Other Direct Obstetric Causes (O10,O12,O21-O43,O47-O66, O68-O71,O73-O75)	4	ND
Obstetric Death of Unspecified Cause (O95)	0	ND
Other Deaths Related to Pregnancy, Childbirth and the Puerperium (O96-O97)	18	0.1
Indirect Obstetric Deaths (O98-O99)	16	0.1
Certain Conditions Originating in the Perinatal Period (P00-P96)	407	3.1
Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery (P00-P04)	106	0.8
Disorders Related to Short Gestation and Low Birth Weight, Not Elsewhere Classified (P07)	116	0.9
Birth Trauma (P10-P15)	1	ND
Intrauterine Hypoxia and Birth Asphyxia (P20-P21)	10	0.1
Respiratory Distress of Newborn (P22)	16	0.1
Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)	36	0.3
Infections Specific to the Perinatal Period (P35-P39)	31	0.2
Other and Unspecified Conditions Originating in the Perinatal Period (P05,P08,P29,P50-P96)	91	0.7
Congenital Malformations, Deformations and Chromosomal Abnormalities (Q00-Q99)	359	2.8
Anencephaly and Similar Malformations (Q00)	7	ND
Spina Bifida (Q05)	11	0.1
All Other Congenital Malformations of Nervous System (Q01-Q04,Q06-Q07)	29	0.2
Congenital Malformations of Heart (Q20-Q24)	80	0.6
Other Congenital Malformations of Circulatory System (Q25-Q28)	30	0.2
Congenital Malformations of Respiratory System (Q30-Q34)	4	ND
Other Congenital Malformations and Deformations (Q10-Q18,Q35-Q89)	112	0.9
Down Syndrome (Q90)	65	0.5
All Other Chromosomal Abnormalities, Not Elsewhere Classified (Q91-Q99)	21	0.2
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified (R00-R99)	3,262	25.1
Senility (R54)	137	1.1

* Rate per 100,000 population.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-14
Resident Deaths by Cause, Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Number of Deaths	Rate*
III-Defined and Unknown Causes of Mortality (R95-R99)	1,648	12.7
Sudden Infant Death Syndrome (R95)	58	0.4
Other III-Defined and Unknown Causes of Mortality (R96-R99)	1,590	12.3
All Other Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified (R00-R53,R55-R94)	1,477	11.4
External Causes of Mortality (U01-U03,V01-Y89)	13,161	101.5
Accidents (V01-X59,Y85-Y86)	9,865	76.0
Transport Accidents (V01-V99,Y85)	1,377	10.6
Railway Accidents (V05,V15,V80.6,V81.2-V81.9)	13	0.1
Motor Vehicle Accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86, V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)	1,280	9.9
Pedestrian Involved in Collision With Motor Vehicle (V02-V04)	45	0.3
Pedalcyclist Involved in Collision With Motor Vehicle (V12-V14, V19.0-V19.2,V19.4-V19.6)	13	0.1
Motorcyclist Involved in Any Accident Except Collision With Railway Train (V20-V24,V26-V34,V36-V39)	179	1.4
Motor Vehicle Accident Involving Collision With Railway Train (V25, V35, V45,V55,V65,V75,V81.0-V81.1,V87.6,V88.6)	2	ND
Motorcyclist Involved in Collision With Railway Train (V25,V35)	0	ND
Other Motor Vehicle Accident Involving Collision With Railway Train (V45,V55,V65,V75,V81.0-V81.1,V87.6,V88.6)	2	ND
Occupant of Motor Vehicle Involved in Collision With Other (Non-Motorized) Road Vehicle, Streetcar, Animal or Pedestrian (V40-V41,V46-V47, V50-V51,V56-V57,V60-V61,V66-V67,V70-V71,V76-V77)	38	0.3
Occupant of Car, Pickup Truck or Van Involved in Collision With Other Motor Vehicle (V42-V44,V49,V52-V54,V59)	79	0.6
Occupant of Heavy Transport Vehicle or Bus Involved in Collision With Other Motor Vehicle (V62-V64,V69,V72-V74,V79)	3	ND
Occupant of Motor Vehicle Involved in Noncollision Accident (V48, V58,V68,V78)	20	0.2
Occupant of Special-Use Motor Vehicle Involved in Any Accident (V83-V86)	45	0.3
Other and Unspecified Motor Vehicle Accidents (V09.0,V09.2, V80.3-V80.5,V82.0-V82.1,V87.0-V87.5,V87.7-V87.8,V88.0-V88.5, V88.7-V88.8,V89.0,V89.2)	856	6.6
Streetcar Accidents (V82.2-V82.9)	0	ND
Other and Unspecified Land Transport Accidents (V01,V06,V09.1,V09.3, V09.9,V10-V11,V16-V18,V19.3,V19.8-V19.9,V80.0-V80.2,V80.7-V80.9, V87.9,V88.9,V89.1,V89.3,V89.9)	20	0.2
Water Transport Accidents (V90-V94)	5	ND
Air and Space Transport Accidents (V95-V97)	10	0.1
Other and Unspecified Transport Accidents and Their Sequelae (V98-V99,Y85)	49	0.4
Falls (W00-W19)	2,411	18.6
Fall on Same Level (W00-W09,W18)	971	7.5
Fall From One Level to Another (W10-W17)	306	2.4
Unspecified Fall (W19)	1,134	8.7
Accidental Discharge of Firearms (W32-W34)	14	0.1
Accidental Explosion (W39-W40)	7	ND
Accidental Drowning and Submersion (W65-W74)	96	0.7
Accidental Inhalation and Ingestion of Food or Other Objects Causing Obstruction of Respiratory Tract (W78-W80)	366	2.8
Other Accidental and Unspecified Threats to Breathing (W75-W77, W81-W84)	44	0.3
Accidental Exposure to Electric Current (W85-W87)	4	ND
Accidental Exposure to Radiation (W88-W91)	0	ND
Accidental Exposure to Smoke, Fire and Flames (X00-X09)	189	1.5

* Rate per 100,000 population.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-14
Resident Deaths by Cause, Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Number of Deaths	Rate*
Accidental Contact With Heat and Hot Substances (X10-X19)	3	ND
Lightning (X33)	0	ND
Earthquake, Volcanic Eruption, Avalanche, Landslide and Other Earth Movements (X34-X36)	0	ND
Cataclysmic Storm and Flood (X37-X38)	0	ND
Accidental Poisoning and Exposure to Noxious Substances (X40-X49)	4,883	37.6
Accidental Poisoning by and Exposure to Drugs and Other Biological Substances (X40-X44)	4,757	36.7
Accidental Poisoning by and Exposure to Other and Unspecified Solid or Liquid Substances (X45-X46,X48-X49)	76	0.6
Accidental Poisoning by and Exposure to Other Gases/Vapors (X47)	50	0.4
All Other and Unspecified Accidents and Their Sequelae (W20-W31, W35-W38,W41-W64,W92-W99,X20-X32,X39,X50-X59,Y86)	471	3.6
Intentional Self-Harm (Suicide) (U03,X60-X84,Y87.0)	1,925	14.8
Intentional Self-Poisoning (Suicide) by and Exposure to Drugs and Other Biological Substances (X60-X64)	186	1.4
Intentional Self-Poisoning (Suicide) by and Exposure to Other and Unspecified Solid or Liquid Substances and Their Vapors (X65-X66,X68-X69)	16	0.1
Intentional Self-Poisoning (Suicide) by Exposure to Other Gases/Vapors (X67)	44	0.3
Intentional Self-Harm (Suicide) by Hanging, Strangulation and Suffocation (X70)	480	3.7
Intentional Self-Harm (Suicide) by Discharge of Firearms (X72-X74)	1,049	8.1
Intentional Self-Harm (Suicide) by Jumping From a High Place (X80)	39	0.3
Intentional Self-Harm (Suicide) by All Other and Unspecified Means and Their Sequelae (U03,X71,X75-X79,X81-X84,Y87.0)	111	0.9
Assault (Homicide) (U01-U02,X85-Y09,Y87.1)	1,059	8.2
Assault (Homicide) by Drugs, Biological Substances and Other and Unspecified Noxious Substances (U01.6-U01.7,X85-X90)	80	0.6
Assault (Homicide) by Hanging, Strangulation and Suffocation (X91)	8	ND
Assault (Homicide) by Discharge of Firearms (U01.4,X93-X95)	828	6.4
Assault (Homicide) by Sharp Object (X99)	55	0.4
Assault (Homicide) by Blunt Object (Y00)	2	ND
Assault (Homicide) by Bodily Force (Y04)	2	ND
Sexual Assault (Homicide) by Bodily Force (Y05)	0	ND
Neglect, Abandonment and Other Maltreatment Syndromes (Y06-Y07)	5	ND
Assault (Homicide) by All Other and Unspecified Means and Their Sequelae (U01.0-U01.3,U01.5,U01.8-U01.9,U02,X92,X96-X98,Y01-Y03,Y08-Y09,Y87.1)	79	0.6
Event of Undetermined Intent (Y10-Y34,Y87.2,Y89.9)	121	0.9
Poisoning by and Exposure to Drugs and Biological Substances, Undetermined Intent (Y10-Y14)	39	0.3
Poisoning by and Exposure to Other and Unspecified Solid or Liquid Substance, Undetermined Intent (Y15-Y16,Y18-Y19)	0	ND
Poisoning by and Exposure to Other Gases/Vapors, Undetermined Intent (Y17)	1	ND
Discharge of Firearms, Undetermined Intent (Y22-Y24)	18	0.1
Falling, Jumping or Pushed From a High Place, Undetermined Intent (Y30)	5	ND
All Other and Unspecified Events of Undetermined Intent and Their Sequelae (Y20-Y21,Y25-Y29,Y31-Y34,Y87.2,Y89.9)	58	0.4
Legal Intervention (Y35,Y89.0)	17	0.1
Legal Execution (Y35.5)	0	ND
Other Legal Intervention and Their Sequelae (Y35.0-Y35.4,Y35.6-Y35.7,Y89.0)	17	0.1
Operations of War and Their Sequelae (Y36,Y89.1)	0	ND
Complications of Medical and Surgical Care (Y40-Y84,Y88)	174	1.3
Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use, and Their Sequelae (Y40-Y59,Y88.0)	18	0.1
Misadventures to Patients During Medical and Surgical Care and Their Sequelae (Y60-Y69,Y88.1)	4	ND
Other Complications of Medical and Surgical Care and Their Sequelae (Y70-Y84,Y88.2-Y88.3)	152	1.2

* Rate per 100,000 population.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.

Table C-15
Resident Infant Deaths by Cause and Age at Death
Number and Rate: Pennsylvania, 2022

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Infant Deaths					
	Total*		Neonatal			Post Neonatal
	Number	Rate**	Under 1 Day	1-6 Days	7-27 Days	28-364 Days
All Causes	741	5.7	294	114	93	240
Certain Infectious and Parasitic Diseases (A00-B99)	4	ND	0	0	0	4
Certain Intestinal Infectious Diseases (A00-A08)	0	ND	0	0	0	0
Diarrhea and Gastroenteritis of Infectious Origin (A09)	1	ND	0	0	0	1
Tuberculosis (A16-A19)	0	ND	0	0	0	0
Tetanus (A33,A35)	0	ND	0	0	0	0
Diphtheria (A36)	0	ND	0	0	0	0
Whooping Cough (A37)	0	ND	0	0	0	0
Meningococcal Infection (A39)	0	ND	0	0	0	0
Septicemia (A40-A41)	3	ND	0	0	0	3
Congenital Syphilis (A50)	0	ND	0	0	0	0
Gonococcal Infection (A54)	0	ND	0	0	0	0
Viral Diseases (A80-B34)	0	ND	0	0	0	0
Acute Poliomyelitis (A80)	0	ND	0	0	0	0
Varicella (Chickenpox) (B01)	0	ND	0	0	0	0
Measles (B05)	0	ND	0	0	0	0
Human Immunodeficiency Virus (HIV) Disease (B20-B24)	0	ND	0	0	0	0
Mumps (B26)	0	ND	0	0	0	0
Other and Unspecified Viral Diseases (A81-B00,B02-B04, B06-B19,B25,B27-B34)	0	ND	0	0	0	0
Candidiasis (B37)	0	ND	0	0	0	0
Malaria (B50-B54)	0	ND	0	0	0	0
Pneumocystosis (B59)	0	ND	0	0	0	0
All Other and Unspecified Infectious and Parasitic Diseases (A20-A32,A38,A42-A49,A51-A53,A55-A79,B35-B36, B38-B49,B55-B58,B60-B99)	0	ND	0	0	0	0
Neoplasms (C00-D48)	2	ND	0	0	0	2
Malignant Neoplasms (C00-C97)	0	ND	0	0	0	0
Hodgkin's Disease and Non-Hodgkin Lymphomas (C81-C85)	0	ND	0	0	0	0
Leukemia (C91-C95)	0	ND	0	0	0	0
Other and Unspecified Malignant Neoplasms (C00-C80,C88-C90,C96-C97)	0	ND	0	0	0	0
In Situ Neoplasms, Benign Neoplasms and Neoplasms of Uncertain or Unknown Behavior (D00-D48)	2	ND	0	0	0	2
Diseases of the Blood and Blood-Forming Organs and Certain Disorders Involving the Immune Mechanism (D50-D89)	6	ND	2	0	0	4
Anemias (D50-D64)	1	ND	0	0	0	1
Hemorrhagic Conditions and Other Diseases of Blood and Blood-Forming Organs (D65-D76)	4	ND	2	0	0	2
Certain Disorders Involving the Immune Mechanism (D80-D89)	1	ND	0	0	0	1
Endocrine, Nutritional and Metabolic Diseases (E00-E88)	7	ND	0	3	0	4
Short Stature, Not Elsewhere Classified (E34.3)	1	ND	0	0	0	1
Nutritional Deficiencies (E40-E64)	0	ND	0	0	0	0
Cystic Fibrosis (E84)	0	ND	0	0	0	0

* Includes any unknown ages.

** Rate per 1,000 live births.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table C-15
Resident Infant Deaths by Cause and Age at Death
Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Infant Deaths					
	Total*	Number	Rate**	Neonatal	Post Neonatal	28-364 Days
	Under 1 Day	1-6 Days	7-27 Days	28-364 Days		
Volume Depletion, Disorders of Fluid, Electrolyte and Acid-Base Balance (E86-E87)	3	ND	0	1	0	2
All Other Endocrine, Nutritional and Metabolic Diseases (E00-E32, E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)	3	ND	0	2	0	1
Diseases of the Nervous System (G00-G98)	7	ND	0	0	2	5
Meningitis (G00,G03)	2	ND	0	0	1	1
Infantile Spinal Muscular Atrophy, Type I (G12.0)	0	ND	0	0	0	0
Infantile Cerebral Palsy (G80)	0	ND	0	0	0	0
Anoxic Brain Damage, Not Elsewhere Classified (G93.1)	0	ND	0	0	0	0
Other Diseases of Nervous System (G04,G06-G11,G12.1-G12.9, G20-G72,G81-G92,G93.0,G93.2-G93.9,G95-G98)	5	ND	0	0	1	4
Diseases of the Ear and Mastoid Process (H60-H93)	0	ND	0	0	0	0
Diseases of the Circulatory System (I00-I99)	12	0.1	0	0	2	10
Pulmonary Heart Disease and Diseases of Pulmonary Circulation (I26-I28)	2	ND	0	0	0	2
Pericarditis, Endocarditis and Myocarditis (I30,I33,I40)	0	ND	0	0	0	0
Cardiomyopathy (I42)	4	ND	0	0	2	2
Cardiac Arrest (I46)	0	ND	0	0	0	0
Cerebrovascular Diseases (I60-I69)	4	ND	0	0	0	4
All Other Diseases of Circulatory System (I00-I25,I31,I34-I38, I44-I45,I47-I51,I70-I99)	2	ND	0	0	0	2
Diseases of the Respiratory System (J00-J98)	14	0.1	2	1	0	11
Acute Upper Respiratory Infections (J00-J06)	0	ND	0	0	0	0
Influenza and Pneumonia (J10-J18)	4	ND	0	0	0	4
Influenza (J10-J11)	0	ND	0	0	0	0
Pneumonia (J12-J18)	4	ND	0	0	0	4
Acute Bronchitis and Acute Bronchiolitis (J20-J21)	0	ND	0	0	0	0
Bronchitis, Chronic and Unspecified (J40-J42)	0	ND	0	0	0	0
Asthma (J45-J46)	0	ND	0	0	0	0
Pneumonitis Due to Solids and Liquids (J69)	0	ND	0	0	0	0
Other and Unspecified Diseases of Respiratory System (J22, J30-J39,J43-J44,J47-J68,J70-J98)	10	0.1	2	1	0	7
Diseases of the Digestive System (K00-K92)	6	ND	0	1	1	4
Gastritis, Duodenitis, and Noninfective Enteritis and Colitis (K29, K50-K55)	1	ND	0	0	1	0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Hernia (K40-K46, K56)	1	ND	0	0	0	1
All Other and Unspecified Diseases of Digestive System (K00-K28, K30-K38,K57-K92)	4	ND	0	1	0	3
Diseases of the Genitourinary System (N00-N95)	0	ND	0	0	0	0
Renal Failure and Other Disorders of Kidney (N17-N19,N25,N27)	0	ND	0	0	0	0
Other and Unspecified Diseases of Genitourinary System (N00-N15,N20-N23,N26,N28-N95)	0	ND	0	0	0	0

* Includes any unknown ages.

** Rate per 1,000 live births.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table C-15
Resident Infant Deaths by Cause and Age at Death
Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Infant Deaths					
	Total*		Neonatal			Post Neonatal 28-364 Days
	Number	Rate**	Under 1 Day	1-6 Days	7-27 Days	
Certain Conditions Originating in the Perinatal Period (P00-P96)	402	3.1	243	85	61	13
Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery (P00-P04)	106	0.8	94	10	2	0
Newborn Affected by Maternal Hypertensive Disorders (P00.0)	3	ND	3	0	0	0
Newborn Affected by Other Maternal Conditions Which May be Unrelated to Present Pregnancy (P00.1-P00.9)	7	ND	5	0	2	0
Newborn Affected by Maternal Complications of Pregnancy (P01)	62	0.5	58	4	0	0
Newborn Affected by Incompetent Cervix (P01.0)	18	0.1	17	1	0	0
Newborn Affected by Premature Rupture of Membranes (P01.1)	33	0.3	31	2	0	0
Newborn Affected by Multiple Pregnancy (P01.5)	3	ND	3	0	0	0
Newborn Affected by Other Maternal Complications of Pregnancy (P01.2-P01.4,P01.6-P01.9)	8	ND	7	1	0	0
Newborn Affected by Complications of Placenta, Cord and Membranes (P02)	24	0.2	18	6	0	0
Newborn Affected by Complications Involving Placenta (P02.0-P02.3)	19	0.1	13	6	0	0
Newborn Affected by Complications Involving Cord (P02.4-P02.6)	1	ND	1	0	0	0
Newborn Affected by Chorioamnionitis (P02.7)	4	ND	4	0	0	0
Newborn Affected by Other and Unspecified Abnormalities of Membranes (P02.8-P02.9)	0	ND	0	0	0	0
Newborn Affected by Other Complications of Labor and Delivery (P03)	10	0.1	10	0	0	0
Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast Milk (P04)	0	ND	0	0	0	0
Disorders Related to Length of Gestation and Fetal Malnutrition (P05-P08)	116	0.9	98	10	5	3
Slow Fetal Growth and Fetal Malnutrition (P05)	1	ND	1	0	0	0
Disorders Related to Short Gestation and Low Birth Weight, Not Elsewhere Classified (P07)	115	0.9	97	10	5	3
Extremely Low Birth Weight or Extreme Immaturity (P07.0,P07.2)	91	0.7	77	7	5	2
Other Low Birth Weight or Preterm (P07.1,P07.3)	24	0.2	20	3	0	1
Disorders Related to Long Gestation and High Birth Weight (P08)	0	ND	0	0	0	0
Birth Trauma (P10-P15)	1	ND	1	0	0	0
Intrauterine Hypoxia and Birth Asphyxia (P20-P21)	9	ND	5	2	0	2
Intrauterine Hypoxia (P20)	5	ND	3	1	0	1
Birth Asphyxia (P21)	4	ND	2	1	0	1
Respiratory Distress of Newborn (P22)	16	0.1	2	7	6	1
Other Respiratory Conditions Originating In the Perinatal Period (P23-P28)	35	0.3	9	17	5	4
Congenital Pneumonia (P23)	5	ND	1	0	4	0
Neonatal Aspiration Syndromes (P24)	4	ND	2	2	0	0
Interstitial Emphysema and Related Conditions Originating In the Perinatal Period (P25)	5	ND	2	2	1	0
Pulmonary Hemorrhage Originating In the Perinatal Period (P26)	8	ND	2	6	0	0
Chronic Respiratory Disease Originating In the Perinatal Period (P27)	3	ND	0	0	0	3
Atelectasis (P28.0-P28.1)	5	ND	1	4	0	0
All Other Respiratory Conditions Originating In the Perinatal Period (P28.2-P28.9)	5	ND	1	3	0	1

* Includes any unknown ages.

** Rate per 1,000 live births.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table C-15
Resident Infant Deaths by Cause and Age at Death
Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Infant Deaths					
	Total*		Neonatal			Post
	Number	Rate**	Under 1 Day	1-6 Days	7-27 Days	Neonatal 28-364 Days
Infections Specific to the Perinatal Period (P35-P39)	30	0.2	3	6	21	0
Bacterial Sepsis of Newborn (P36)	21	0.2	2	5	14	0
Omphalitis of Newborn With or Without Mild Hemorrhage (P38)	0	ND	0	0	0	0
All Other Infections Specific to the Perinatal Period (P35,P37,P39)	9	ND	1	1	7	0
Hemorrhagic and Hematological Disorders of Newborn (P50-P61)	22	0.2	7	12	3	0
Neonatal Hemorrhage (P50-P52,P54)	15	0.1	2	10	3	0
Hemorrhagic Disease of Newborn (P53)	0	ND	0	0	0	0
Hemolytic Disease of Newborn Due to Isoimmunization and Other Perinatal Jaundice (P55-P59)	0	ND	0	0	0	0
Hematological Disorders (P60-P61)	7	ND	5	2	0	0
Syndrome of Infant of a Diabetic Mother and Neonatal Diabetes Mellitus (P70.0-P70.2)	1	ND	1	0	0	0
Necrotizing Enterocolitis of Newborn (P77)	7	ND	0	2	5	0
Hydrops Fetalis Not Due to Hemolytic Disease (P83.2)	8	ND	8	0	0	0
Other Perinatal Conditions (P29,P70.3-P70.9,P71-P76,P78-P81, P83.0-P83.1,P83.3-P83.9,P90-P96)	51	0.4	15	19	14	3
Congenital Malformations, Deformations and Chromosomal Abnormalities (Q00-Q99)	103	0.8	43	19	10	31
Anencephaly and Similar Malformations (Q00)	7	ND	5	2	0	0
Congenital Hydrocephalus (Q03)	5	ND	1	0	1	3
Spinal Bifida (Q05)	0	ND	0	0	0	0
Other Congenital Malformations of Nervous System (Q01-Q02,Q04,Q06-Q07)	8	ND	1	2	1	4
Congenital Malformations of Heart (Q20-Q24)	21	0.2	8	3	2	8
Other Congenital Malformations of Circulatory System (Q25-Q28)	7	ND	2	0	2	3
Congenital Malformations of Respiratory System (Q30-Q34)	2	ND	1	1	0	0
Congenital Malformations of Digestive System (Q35-Q45)	1	ND	0	0	0	1
Congenital Malformations of Genitourinary System (Q50-Q64)	6	ND	5	1	0	0
Congenital Malformations and Deformations of Musculoskeletal System, Limbs and Integument (Q65-Q85)	18	0.1	7	6	1	4
Down Syndrome (Q90)	2	ND	0	0	0	2
Edward's Syndrome (Q91.0-Q91.3)	8	ND	1	3	2	2
Patau's Syndrome (Q91.4-Q91.7)	2	ND	0	0	0	2
Other Congenital Malformations and Deformations (Q10-Q18,Q86-Q89)	16	0.1	12	1	1	2
Other Chromosomal Abnormalities, Not Elsewhere Classified (Q92-Q99)	0	ND	0	0	0	0
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified (R00-R99)	110	0.8	3	5	8	94
Sudden Infant Death Syndrome (R95)	58	0.4	0	3	4	51
Other Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified (R00-R53,R55-R94, R96-R99)	52	0.4	3	2	4	43
All Other Diseases (Residual) (F01-F99,H00-H57,L00-M99)	0	ND	0	0	0	0

* Includes any unknown ages.

** Rate per 1,000 live births.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table C-15
Resident Infant Deaths by Cause and Age at Death
Number and Rate: Pennsylvania, 2022 (Continued)

Cause of Death (Based on the Tenth Revision, International Classification of Diseases)	Infant Deaths					
	Total*		Neonatal			Post
	Number	Rate**	Under 1 Day	1-6 Days	7-27 Days	Neonatal 28-364 Days
External Causes of Mortality (U01,V01-Y84)	61	0.5	1	0	8	52
Accidents (V01-X59)	38	0.3	1	0	6	31
Transport Accidents (V01-V99)	4	ND	1	0	2	1
Motor Vehicle Accidents (V02-V04,V09.0,V09.2,V12-V14, V19.0-V19.2,V19.4-V19.6,V20-V79,V80.3-V80.5, V81.0- V81.1,V82.0-V82.1,V83-V86,V87.0-V87.8, V88.0- V88.8,V89.0,V89.2)	4	ND	1	0	2	1
Other and Unspecified Transport Accidents (V01,V05-V06, V09.1,V09.3-V09.9,V10-V11,V15-V18, V19.3, V19.8- V19.9,V80.0-V80.2,V80.6-V80.9,V81.2-V81.9, V82.2- V82.9,V87.9,V88.9,V89.1,V89.3,V89.9,V90-V99)	0	ND	0	0	0	0
Falls (W00-W19)	1	ND	0	0	0	1
Accidental Discharge of Firearms (W32-W34)	0	ND	0	0	0	0
Accidental Drowning and Submersion (W65-W74)	1	ND	0	0	0	1
Accidental Suffocation and Strangulation In Bed (W75)	20	0.2	0	0	4	16
Other Accidental Suffocation and Strangulation (W76-W77, W81- W84)	1	ND	0	0	0	1
Accidental Inhalation and Ingestion of Food or Other Objects Causing Obstruction of Respiratory Tract (W78-W80)	5	ND	0	0	0	5
Accidents Caused by Exposure to Smoke, Fire and Flames (X00- X09)	1	ND	0	0	0	1
Accidental Poisoning and Exposure to Noxious Substances (X40- X49)	0	ND	0	0	0	0
Other and Unspecified Accidents (W20-W31,W35-W64, W85- W99,X10-X39,X50-X59)	5	ND	0	0	0	5
Assault (Homicide) (U01,X85-Y09)	14	0.1	0	0	1	13
Assault (Homicide) by Hanging, Strangulation and Suffocation (X91)	0	ND	0	0	0	0
Assault (Homicide) by Discharge of Firearms (U01.4,X93-X95)	0	ND	0	0	0	0
Neglect, Abandonment and Other Maltreatment Syndromes (Y06- Y07)	1	ND	0	0	0	1
Assault (Homicide) by Other and Unspecified Means (U01.0- U01.3,U01.5-U01.9,X85-X90,X92,X96-Y05,Y08-Y09)	13	0.1	0	0	1	12
Complications of Medical and Surgical Care (Y40-Y84)	0	ND	0	0	0	0
Other External Causes (X60-X84,Y10-Y36)	9	ND	0	0	1	8

* Includes any unknown ages.

** Rate per 1,000 live births.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table C-16A
Deaths Due to Diseases of Heart
Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals
Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022

Year	Pennsylvania			United States		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2022	32,277	172.1	170.2-174.0	702,880	167.2	166.8-167.6
2021	32,423	180.3	178.3-182.3	695,547	173.8	173.4-174.2
2020	32,880	181.8	179.8-183.8	696,962	168.2	167.8-168.8
2019	32,250	172.7	170.8-174.6	659,041	161.5	161.1-161.9
2018	32,713	175.8	173.9-177.7	655,381	163.6	163.2-164.0
2017	32,237	175.7	173.8-177.6	647,457	165.0	164.6-165.4
2016	31,899	175.8	173.9-177.7	635,260	165.5	165.1-165.9
2015	31,875	176.8	174.9-178.7	633,842	168.5	168.1-168.9
2014	31,179	174.7	172.8-176.6	614,348	167.0	166.6-167.4
2013	31,537	178.4	176.4-180.4	611,105	169.8	169.4-170.2
2012	30,522	175.2	173.2-177.2	599,711	170.5	170.1-170.9
2011	31,643	184.1	182.1-186.1	596,339	173.7	173.3-174.1
2010	31,274	185.3	183.3-187.4	597,689	179.1	178.6-179.6
2009	32,056	190.8	188.7-192.9	599,413	180.1	179.6-180.6
2008	33,179	207.3	205.0-209.5	616,828	186.5	186.0-187.0
2007	32,517	214.9	212.6-217.2	616,067	190.9	190.4-191.4
2006	33,414	225.6	223.2-228.0	631,636	200.2	199.7-200.7
2005	35,896	229.0	226.6-231.4	652,091	211.1	210.6-211.6
2004	36,063	234.1	231.7-236.5	652,486	217.0	216.5-217.5
2003	37,805	250.1	247.6-252.6	685,089	232.3	231.8-232.9
2002	38,291	257.9	255.3-260.5	696,947	240.8	240.2-241.4
2001	39,408	255.3	252.8-257.8	700,142	247.8	247.2-248.4
2000	40,446	270.2	267.6-272.8	710,760	257.6	257.0-258.2
1999	41,420	268.1	265.5-270.7	725,192	267.8	267.2-268.4
1998	41,282	272.2	269.6-274.8	724,859	272.4	271.8-273.0
1997	41,941	283.3	280.6-286.0	726,974	280.4	279.8-281.0
1996	43,231	302.6	299.8-305.5	733,361	288.3	287.6-289.0
1995	42,934	304.6	301.7-307.5	737,563	296.3	295.6-297.0
1994	43,657	309.9	307.0-312.8	732,409	299.7	299.0-300.4
1993	43,731	324.1	321.1-327.1	743,460	309.9	309.2-310.6
1992	42,924	313.7	310.7-316.7	717,706	306.1	305.4-306.8
1991	43,091	325.4	322.3-328.5	720,862	313.8	313.1-314.5
1990	43,204	337.5	334.3-340.7	720,058	321.8	321.1-322.5
1985	48,692	386.8	383.4-390.2	771,169	375.0	374.2-375.8
1980	50,677	463.9	459.9-467.9	761,085	412.1	411.2-413.0
1975	49,323	486.3	482.0-490.6	716,215	431.2	430.2-432.2
1970	52,476	565.1	560.3-569.9	735,542	492.7	491.6-493.8

NA = Data not available

Notes: Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 100,000. Unknowns excluded from calculations for 2002 - 2022.

CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.

Data for 1999-2022 based on ICD-10, 1980-1998 based on ICD-9, and 1970 and 1975 based on ICD-8 cause of death codes.

Figure C-9
Diseases of Heart Age-Adjusted Death Rates
Pennsylvania and United States, 1980-2022

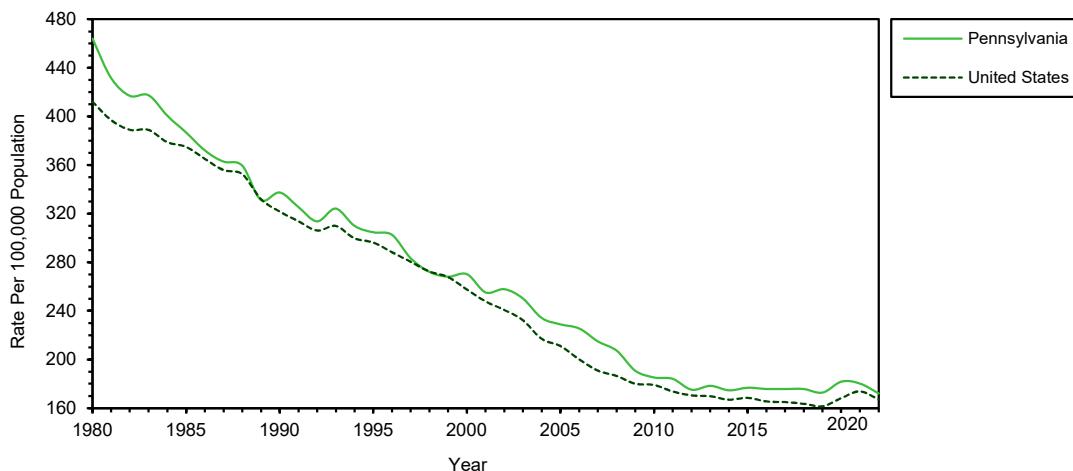


Table C-16B
Resident Diseases of Heart Deaths by Type and Sex
Number and Percent: Pennsylvania, 2022

Type of Diseases of Heart*	Total**	Male		Female	
		Number	Percent	Number	Percent
Total Diseases of Heart	32,277	16,969	100.0	15,308	100.0
Rheumatic Heart Disease	193	64	0.4	129	0.8
Hypertensive Heart Disease	2,014	964	5.7	1,050	6.9
Hypertensive Heart & Renal Disease	557	242	1.4	315	2.1
Acute Myocardial Infarction	4,684	2,765	16.3	1,919	12.5
Ischemic Excl. Myocardial Infarction	11,553	6,794	40.0	4,759	31.1
Other Heart Disease	13,276	6,140	36.2	7,136	46.6

* The following 10th revision ICD codes were used in this table:

Rheumatic Heart Disease = I00-I09

Hypertensive Heart Disease = I11

Hypertensive Heart and Renal Disease = I13

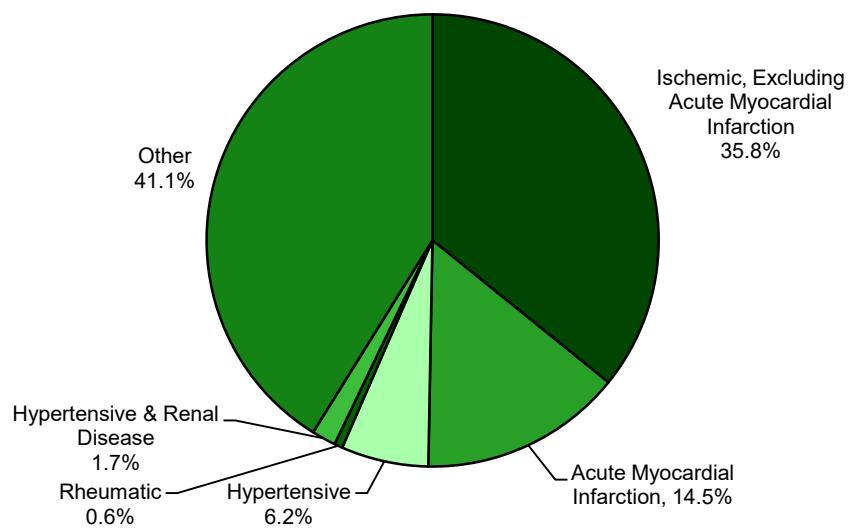
Acute Myocardial Infarction = I21-I22

Ischemic Excl. Myocardial Infarction = I20,I24-I25

Other Heart Disease = I26-I51

**Total includes any unknown sex.

Figure C-10
Resident Diseases of Heart Deaths
Percent by Type, Pennsylvania, 2022



Note: may not sum to 100 due to rounding.

Table C-16C
Resident Diseases of Heart Deaths by Type and Race - Males
Number and Percent: Pennsylvania, 2022

Type of Diseases of Heart*	All Races	White		Black	
		Number	Percent	Number	Percent
Total Diseases of Heart	16,969	14,719	100.0	1,757	100.0
Rheumatic Heart Disease	64	54	0.4	6	ND
Hypertensive Heart Disease	964	707	4.8	205	11.7
Hypertensive Heart & Renal Disease	242	204	1.4	34	1.9
Acute Myocardial Infarction	2,765	2,524	17.1	170	9.7
Ischemic Excl. Myocardial Infarction	6,794	5,790	39.3	806	45.9
Other Heart Disease	6,140	5,440	37.0	536	30.5

* The following 10th revision ICD codes were used in this table:

Rheumatic Heart Disease = I00-I09

Hypertensive Heart Disease = I11

Hypertensive Heart and Renal Disease = I13

Acute Myocardial Infarction = I21-I22

Ischemic Excl. Myocardial Infarction = I20,I24-I25

Other Heart Disease = I26-I51

Note: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-16D
Resident Diseases of Heart Deaths by Type and Race - Females
Number and Percent: Pennsylvania, 2022

Type of Diseases of Heart*	All Races	White		Black	
		Number	Percent	Number	Percent
Total Diseases of Heart	15,308	13,301	100.0	1,635	100.0
Rheumatic Heart Disease	129	110	0.8	13	0.8
Hypertensive Heart Disease	1,050	839	6.3	190	11.6
Hypertensive Heart & Renal Disease	315	271	2.0	30	1.8
Acute Myocardial Infarction	1,919	1,740	13.1	139	8.5
Ischemic Excl. Myocardial Infarction	4,759	4,009	30.1	622	38.0
Other Heart Disease	7,136	6,332	47.6	641	39.2

* The following 10th revision ICD codes were used in this table:

Rheumatic Heart Disease = I00-I09

Hypertensive Heart Disease = I11

Hypertensive Heart and Renal Disease = I13

Acute Myocardial Infarction = I21-I22

Ischemic Excl. Myocardial Infarction = I20,I24-I25

Other Heart Disease = I26-I51

Note: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-17A
Cancer (Malignant Neoplasm) Deaths
Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals
Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022

Year	Pennsylvania			United States		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2022	27,463	147.6	145.9-149.4	608,371	142.3	141.9-142.7
2021	27,637	152.8	151.0-154.6	605,213	146.6	146.2-146.9
2020	27,907	155.2	153.4-157.0	602,350	144.1	143.8-144.5
2019	27,703	153.2	151.4-155.0	599,601	146.2	145.8-146.6
2018	27,995	156.4	154.6-158.2	599,274	149.1	148.7-149.5
2017	28,320	160.6	158.7-162.5	599,108	152.5	152.1-152.9
2016	28,363	164.0	162.1-165.9	598,038	155.8	155.4-156.2
2015	28,517	166.2	164.3-168.1	595,930	158.5	158.1-158.9
2014	28,558	168.8	166.8-170.8	591,699	161.2	160.8-161.6
2013	28,418	170.1	168.1-172.1	584,881	163.2	162.8-163.6
2012	28,627	173.8	171.8-175.8	582,623	166.5	166.1-166.9
2011	28,637	176.4	174.4-178.4	575,313	168.6	168.2-169.0
2010	28,809	180.1	178.0-182.2	574,743	172.8	172.4-173.2
2009	28,680	184.0	181.9-186.1	567,628	173.2	172.8-173.7
2008	28,699	187.9	185.8-190.1	565,469	175.3	174.8-175.8
2007	28,756	192.2	190.0-194.4	562,875	178.4	177.9-178.9
2006	28,955	195.4	193.2-197.7	559,888	180.7	180.2-181.2
2005	29,355	195.0	192.8-197.2	559,312	183.8	183.3-184.3
2004	29,218	196.0	193.8-198.3	553,888	185.8	185.3-186.3
2003	29,601	199.8	197.5-202.1	556,902	190.1	189.6-190.6
2002	29,460	200.4	198.1-202.7	557,271	193.5	193.0-194.0
2001	29,853	202.9	200.6-205.2	553,768	196.0	195.5-196.5
2000	29,989	205.8	203.5-208.1	553,091	199.6	199.1-200.1
1999	30,136	208.8	206.4-211.2	549,838	202.7	202.2-203.2
1998	29,721	206.9	204.6-209.3	541,532	202.4	201.9-202.9
1997	30,066	211.1	208.7-213.5	539,577	205.7	205.2-206.3
1996	30,269	214.1	211.7-216.5	539,533	208.7	208.1-209.3
1995	30,023	213.8	211.4-216.2	538,455	211.7	211.1-212.3
1994	30,071	215.7	213.3-218.1	534,310	213.1	212.5-213.7
1993	30,103	219.4	216.9-221.9	529,904	214.6	214.0-215.2
1992	30,152	220.6	218.1-223.1	520,578	214.3	213.7-214.9
1991	29,736	221.2	218.7-223.7	514,657	215.8	215.2-216.4
1990	29,677	224.3	221.8-226.9	505,322	216.0	215.4-216.6
1985	27,901	218.8	216.2-221.4	461,563	211.3	210.7-211.9
1980	26,040	219.6	216.9-222.3	416,509	207.9	207.3-208.5
1975	23,547	210.4	207.7-213.1	365,693	200.1	199.5-200.8
1970	22,013	208.0	205.3-210.8	330,730	198.6	197.9-199.3

NA = Data not available

Notes: Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 100,000. Unknowns excluded from calculations for 2002 - 2022.

CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.

Data for 1999-2022 based on ICD-10, 1980-1998 based on ICD-9, and 1970 and 1975 based on ICD-8 cause of death codes.

Figure C-11

Cancer (Malignant Neoplasm) Age-Adjusted Death Rates
Pennsylvania and United States, 1980-2022

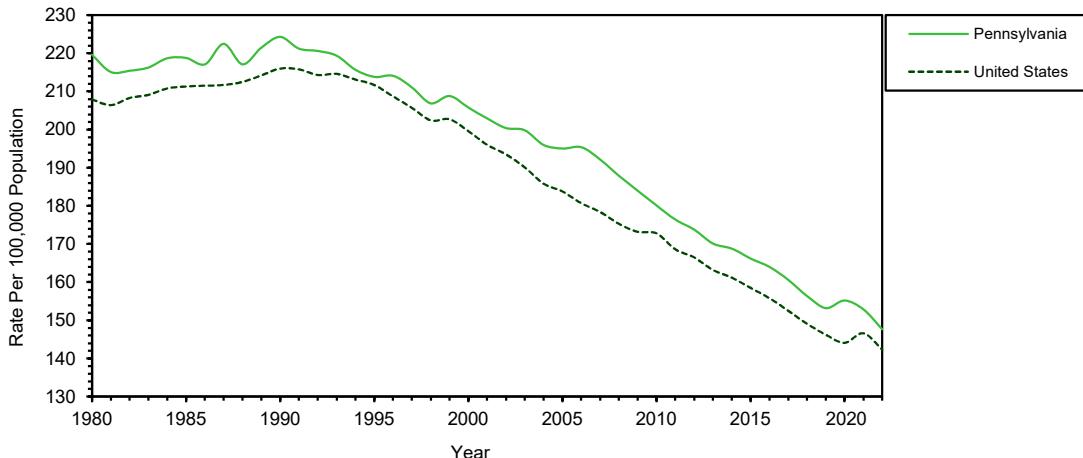


Table C-17B
Resident Cancer (Malignant Neoplasm) Deaths by Site and Age - Males
Pennsylvania, 2022

Cancer (Malignant Neoplasm) Site*	All Ages**	Age at Death (In Years)									
		Under 5	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 - 84	85+
Total Cancers (Malignant Neoplasms)	14,268	8	15	25	57	191	630	2,437	4,333	4,166	2,406
Lung and Bronchus	3,217	0	0	1	1	9	117	577	1,118	999	395
Prostate	1,385	0	0	0	0	0	8	116	310	500	451
Colon and Rectum	1,200	0	0	1	7	33	85	256	354	273	191
Pancreas	1,126	0	0	0	0	7	61	213	402	312	131
Esophagus	669	0	0	0	2	8	45	149	238	177	50
Leukemia	596	1	1	3	5	15	20	74	165	193	119
Non-Hodgkin Lymphoma	487	0	1	2	4	4	15	55	124	177	105
All Other Sites	5,588	7	13	18	38	115	279	997	1,622	1,535	964

* The following 10th revision ICD codes were used in this table:

Lung and Bronchus = C34

Colon and Rectum = C18-C20, C26.0

Prostate = C61

Pancreas = C25

Leukemia = C90.1, C91-C95

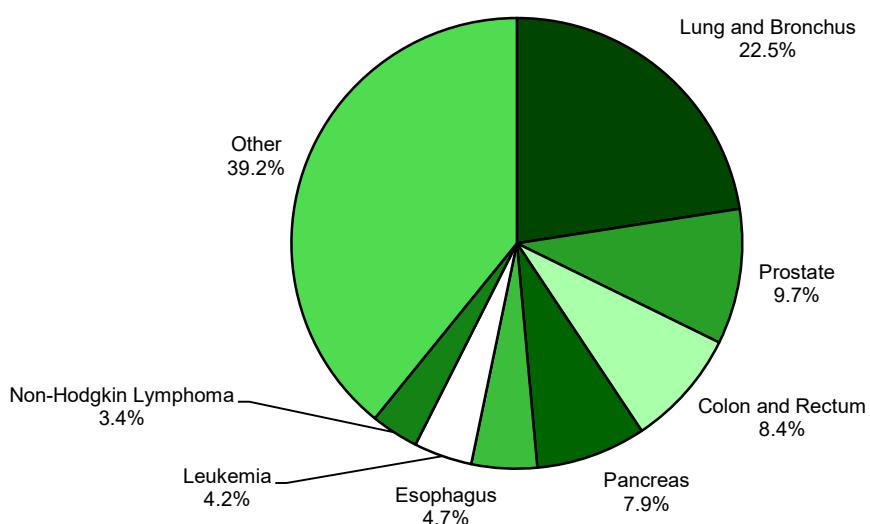
Esophagus = C15

Non-Hodgkin Lymphoma = C82-C85

**Includes any unknown ages.

Note: Some of the sites that appear above are different from the sites that appeared in reports prior to 2000. The above sites now match the primary site definitions used by the National Cancer Institute's SEER Program.

Figure C-12
Resident Cancer (Malignant Neoplasm) Deaths - Males
Percent by Site, Pennsylvania, 2022



Note: may not sum to 100 due to rounding.

Table C-17C
Resident Cancer (Malignant Neoplasm) Deaths by Site and Age - Females
Pennsylvania, 2022

Cancer (Malignant Neoplasm) Site*	All Ages**	Age at Death (In Years)									
		Under 5	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 - 84	85+
Total Cancers (Malignant Neoplasms)	13,195	5	16	22	59	204	702	2,144	3,658	3,689	2,696
Lung and Bronchus	2,944	0	0	0	2	7	107	557	975	873	423
Breast	1,883	0	0	0	12	74	152	323	453	471	398
Colon and Rectum	1,080	0	0	1	4	19	83	163	226	287	297
Pancreas	1,061	0	0	0	2	2	41	175	316	332	193
Ovary	557	0	0	3	3	9	31	121	182	126	82
Leukemia	436	2	6	2	9	6	11	37	92	139	132
Non-Hodgkin Lymphoma	418	1	0	1	0	4	10	36	96	133	137
All Other Sites	4,816	2	10	15	27	83	267	732	1,318	1,328	1,034

* The following 10th revision ICD codes were used in this table:

Lung and Bronchus = C34

Breast = C50

Colon and Rectum = C18-C20, C26.0

Pancreas = C25

Ovary = C56

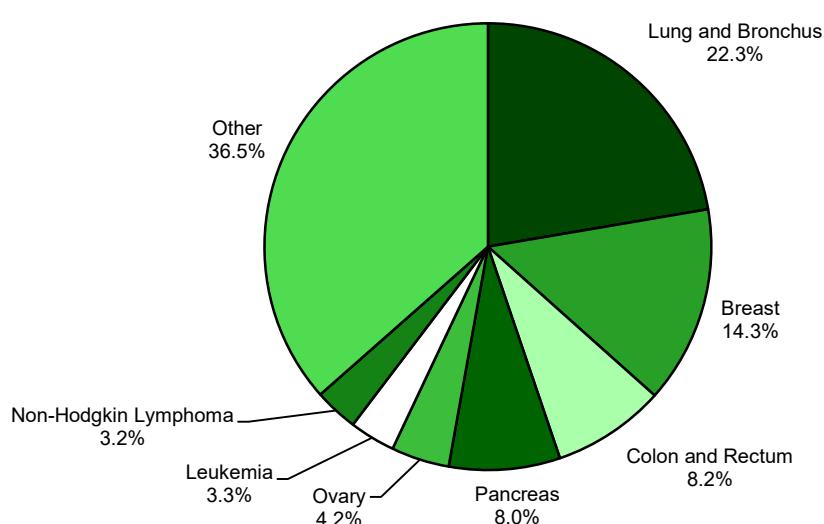
Non-Hodgkin Lymphoma = C82-C85

Leukemia = C90.1, C91-C95

**Includes any unknown ages.

Note: Some of the sites that appear above are different from the sites that appeared in reports prior to 2000. The above sites now match the primary site definitions used by the National Cancer Institute's SEER Program.

Figure C-13
Resident Cancer (Malignant Neoplasm) Deaths - Females
Percent by Site, Pennsylvania, 2022



Note: may not sum to 100 due to rounding.

Table C-17D
Resident Cancer (Malignant Neoplasm) Deaths by Site and Race - Males
Number and Rate*: Pennsylvania, 2022

Cancer (Malignant Neoplasm) Site**	All Races	White		Black	
		Number	Rate	Number	Rate
Total Cancers (Malignant Neoplasms)	14,268	12,605	242.8	1,216	158.8
Lung and Bronchus	3,217	2,830	54.5	283	37.0
Prostate	1,385	1,171	22.6	181	23.6
Colon and Rectum	1,200	1,031	19.9	117	15.3
Pancreas	1,126	1,010	19.5	79	10.3
Esophagus	669	633	12.2	30	3.9
Leukemia	596	548	10.6	31	4.0
Non-Hodgkin Lymphoma	487	438	8.4	40	5.2
All Other Sites	5,588	4,944	95.2	455	59.4

* Rate per 100,000 male population for each race.

** The following 10th revision ICD codes were used in this table:

Lung and Bronchus = C34

Colon and Rectum = C18-C20, C26.0

Prostate = C61

Pancreas = C25

Leukemia = C90.1, C91-C95

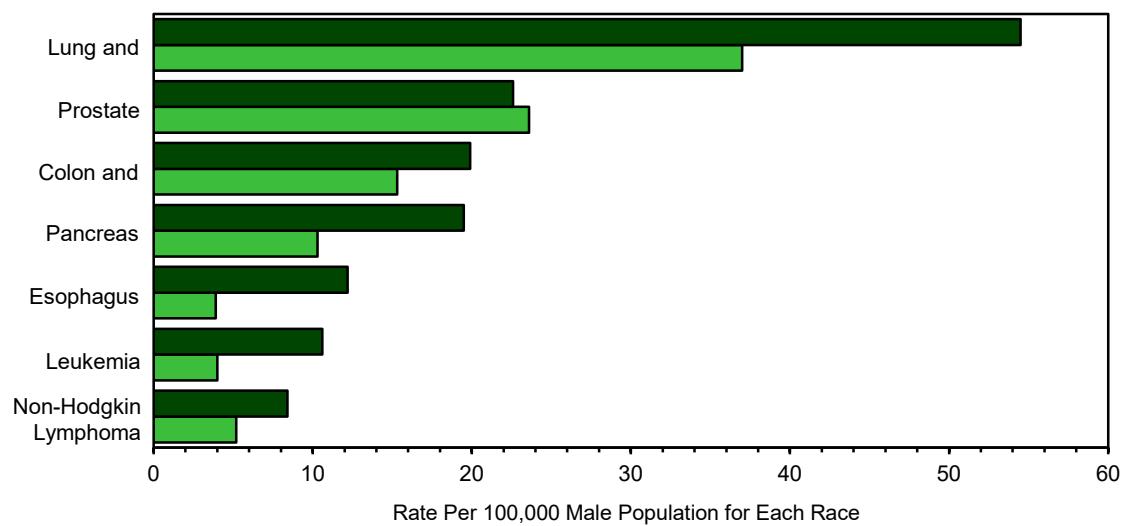
Esophagus = C15

Non-Hodgkin Lymphoma = C82-C85

Note: Some of the sites that appear above are different from the sites that appeared in reports prior to 2000. The above sites now match the primary site definitions used by the National Cancer Institute's SEER Program. Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Figure C-14
Resident Cancer (Malignant Neoplasm) Death Rates by Site and Race
Males, Pennsylvania, 2022

Cancer (Malignant Neoplasm) Site



Note: Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-17E
Resident Cancer (Malignant Neoplasm) Deaths by Site and Race - Females
Number and Rate*: Pennsylvania, 2022

Cancer (Malignant Neoplasm) Site**	All Races	White		Black	
		Number	Rate	Number	Rate
Total Cancers (Malignant Neoplasms)	13,195	11,387	215.3	1,322	161.8
Lung and Bronchus	2,944	2,587	48.9	284	34.8
Breast	1,883	1,615	30.5	208	25.5
Colon and Rectum	1,080	938	17.7	95	11.6
Pancreas	1,061	901	17.0	122	14.9
Ovary	557	503	9.5	35	4.3
Leukemia	436	389	7.4	28	3.4
Non-Hodgkin Lymphoma	418	380	7.2	16	2.0
All Other Sites	4,816	4,074	77.0	534	65.4

* Rate per 100,000 female population for each race.

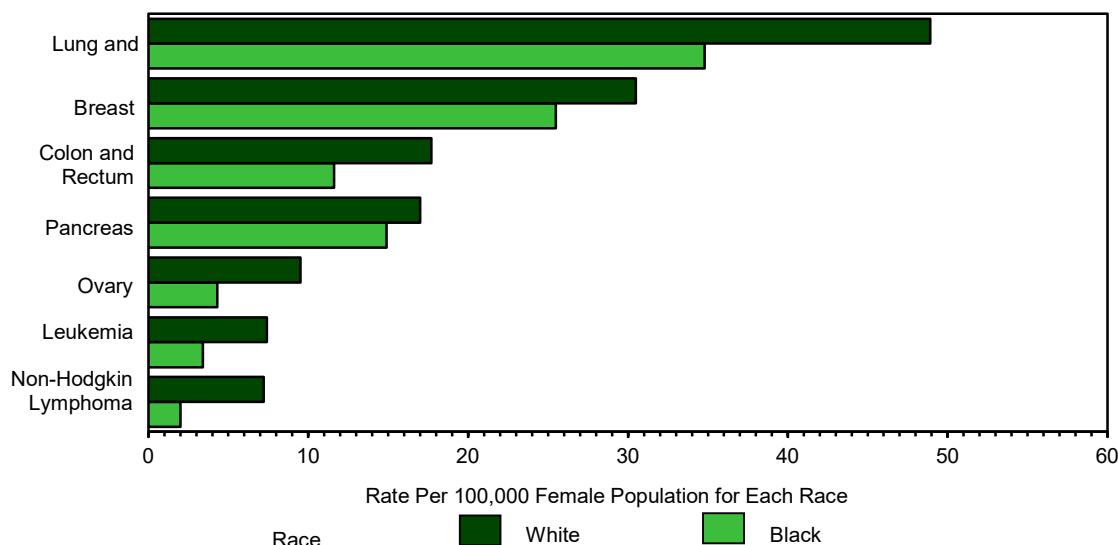
** The following 10th revision ICD codes were used in this table:

Lung and Bronchus = C34
 Breast = C50
 Colon and Rectum = C18-C20, C26.0
 Pancreas = C25
 Ovary = C56
 Non-Hodgkin Lymphoma = C82-C85
 Leukemia = C90.1, C91-C95

Note: Some of the sites that appear above are different from the sites that appeared in reports prior to 2000. The above sites now match the primary site definitions used by the National Cancer Institute's SEER Program. Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Figure C-15
Resident Cancer (Malignant Neoplasm) Death Rates by Site and Race
Females, Pennsylvania, 2022

Cancer (Malignant Neoplasm) Site



Note: Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Table C-18A
Deaths Due to Accidents
Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals
Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022

Year	Pennsylvania			United States		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2022	9,865	69.0	67.6-70.4	227,039	64.0	63.7-64.3
2021	10,257	73.0	71.6-74.4	224,935	64.7	64.4-65.0
2020	9,494	68.1	66.7-69.5	200,955	57.6	57.3-57.8
2019	8,564	61.0	59.7-62.3	173,040	49.3	49.1-49.5
2018	8,555	61.7	60.4-63.0	167,127	48.0	47.8-48.2
2017	9,464	69.7	68.3-71.1	169,936	49.4	49.2-49.6
2016	8,320	61.2	59.9-62.5	161,374	47.4	47.2-47.6
2015	7,266	51.5	50.3-52.7	146,571	43.2	43.0-43.4
2014	6,541	46.1	45.0-47.2	136,053	40.5	40.3-40.7
2013	6,299	44.4	43.3-45.5	130,557	39.4	39.2-39.6
2012	6,156	43.7	42.6-44.8	127,792	39.1	38.9-39.3
2011	6,062	43.2	42.1-44.3	122,777	38.0	37.8-38.2
2010	5,607	40.1	39.1-41.2	120,859	38.0	37.8-38.2
2009	5,441	39.2	38.2-40.2	118,021	37.3	37.1-37.5
2008	5,669	42.0	40.9-43.1	121,902	38.8	38.6-39.0
2007	5,458	41.2	40.1-42.3	123,706	40.0	39.8-40.2
2006	5,143	39.4	38.3-40.5	121,599	39.8	39.6-40.0
2005	5,314	39.9	38.8-41.0	117,809	39.1	38.9-39.3
2004	5,091	38.4	37.4-39.5	112,012	37.7	37.5-37.9
2003	4,921	37.5	36.5-38.6	109,277	37.3	37.1-37.5
2002	4,587	35.1	34.1-36.1	106,742	36.9	36.7-37.1
2001	4,524	34.1	33.1-35.1	101,537	35.7	35.5-35.9
2000	4,500	34.6	33.6-35.6	97,900	34.9	34.7-35.1
1999	4,505	34.5	33.5-35.5	97,860	35.9	35.7-36.1
1998	4,553	34.9	33.9-35.9	97,835	36.3	36.1-36.5
1997	4,743	36.8	35.8-37.9	95,644	36.0	35.8-36.2
1996	4,274	33.4	32.4-34.4	94,948	36.2	36.0-36.4
1995	4,180	33.0	32.0-34.0	93,320	36.0	35.8-36.2
1994	4,271	33.7	32.7-34.7	91,437	35.7	35.5-35.9
1993	4,132	33.1	32.1-34.1	90,523	35.7	35.5-35.9
1992	4,040	32.0	31.0-33.0	86,777	34.6	34.4-34.8
1991	3,979	31.9	30.9-32.9	89,347	36.0	35.8-36.2
1990	4,001	32.6	31.6-33.6	91,983	37.5	37.3-37.7
1985	4,113	33.2	32.2-34.2	93,457	39.9	39.6-40.2
1980	4,586	38.6	37.5-39.7	105,718	47.7	47.4-48.0
1975	4,702	40.9	39.7-42.1	103,030	50.8	50.5-51.1
1970	5,336	48.8	47.5-50.1	114,638	62.2	61.8-62.6

NA = Data not available

Notes: Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 100,000. Unknowns excluded from calculations for 2002 - 2022.

CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.

Data for 1999-2022 based on ICD-10, 1980-1998 based on ICD-9, and 1970 and 1975 based on ICD-8 cause of death codes.

Figure C-16
Accident Age-Adjusted Death Rates
Pennsylvania and United States, 1980-2022

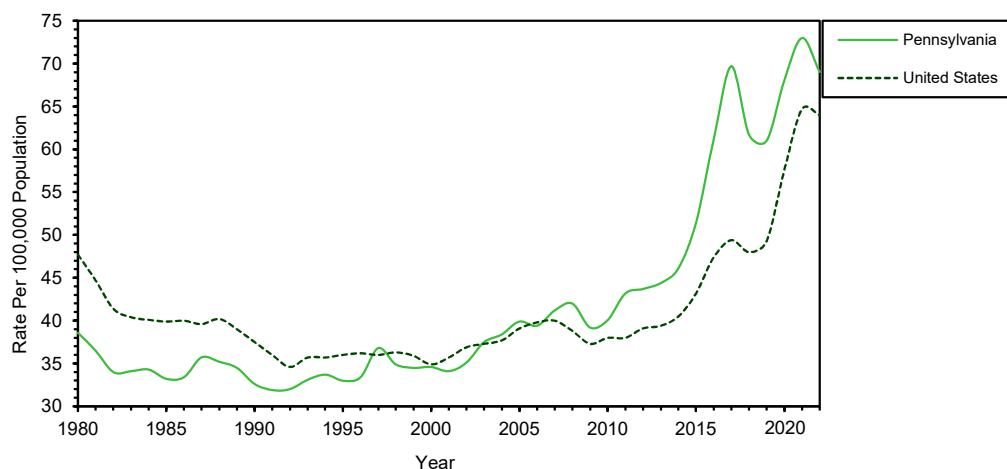


Table C-18B
Resident Deaths Due to Accidents by Type and Age
Pennsylvania, 2022

Deaths by Type of Accident*	All Ages**	Age at Death (In Years)									
		Under 5	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 - 84	85 +
Total Accidental Deaths	9,865	79	66	430	1,282	1,645	1,323	1,563	955	1,072	1,450
Motor Vehicle Accidents	1,280	15	26	172	212	201	138	191	154	124	47
Other Transport Accidents	97	1	0	7	12	15	13	28	10	8	3
Falls	2,411	2	0	5	21	30	49	168	328	676	1,132
Discharge of Firearms	14	2	2	2	3	2	2	0	1	0	0
Drowning and Submersion	96	17	3	11	6	11	10	11	16	7	4
Suffocation and Strangulation	410	26	0	5	12	13	15	51	82	91	115
Smoke, Fire and Flames	189	7	23	14	7	13	15	30	41	24	15
Poisoning by Noxious Substances	4,883	2	6	200	995	1,326	1,046	1,009	240	49	10
Other Nontransport Accidents	485	7	6	14	14	34	35	75	83	93	124

Table C-18C
Resident Deaths Due to Accidents by Type and Sex
Number and Percent: Pennsylvania, 2022

Deaths by Type of Accident*	Total***	Male		Female	
		Number	Percent	Number	Percent
Total Accidental Deaths	9,865	6,340	100.0	3,525	100.0
Motor Vehicle Accidents	1,280	914	14.4	366	10.4
Other Transport Accidents	97	76	1.2	21	0.6
Falls	2,411	1,211	19.1	1,200	34.0
Discharge of Firearms	14	13	0.2	1	ND
Drowning and Submersion	96	68	1.1	28	0.8
Suffocation and Strangulation	410	239	3.8	171	4.9
Smoke, Fire and Flames	189	107	1.7	82	2.3
Poisoning by Noxious Substances	4,883	3,418	53.9	1,465	41.6
Other Nontransport Accidents	485	294	4.6	191	5.4

* The following 10th revision ICD codes were used in the above tables:

Motor Vehicle Accidents = V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Other Transport Accidents = V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, Y85

Falls = W00-W19

Discharge of Firearms = W32-W34

Drowning and Submersion = W65-W74

Suffocation and Strangulation = W75-W84

Smoke, Fire and Flames = X00-X09

Poisoning by Noxious Substances = X40-X49

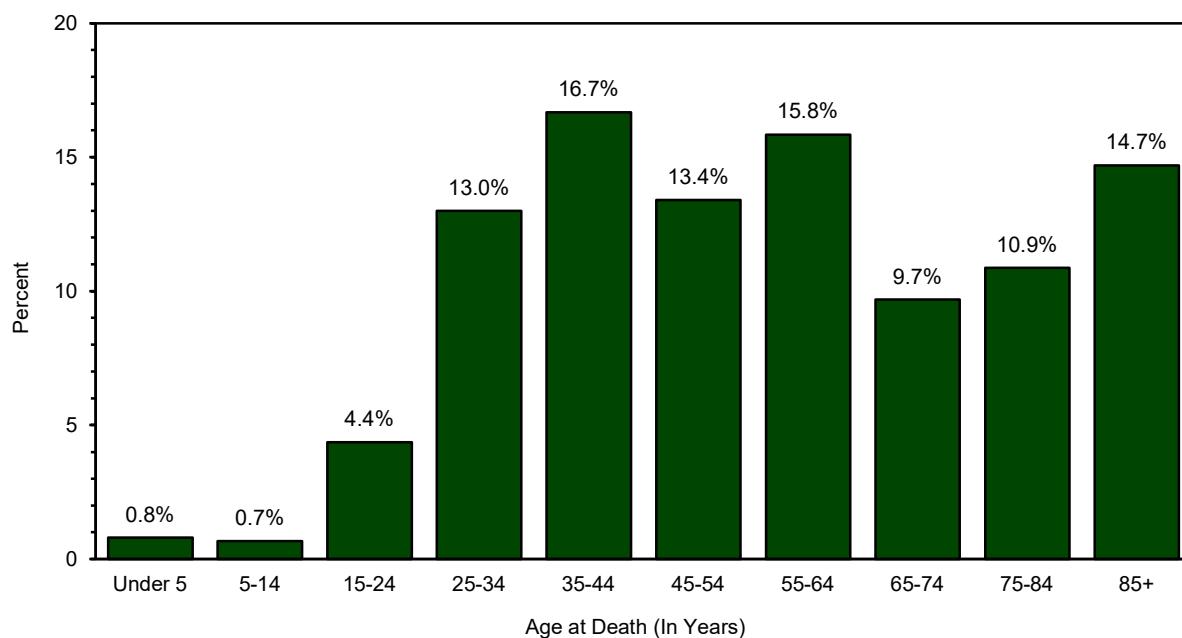
Other Nontransport Accidents = W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86

** Includes any unknown ages.

***Total includes any unknown sex.

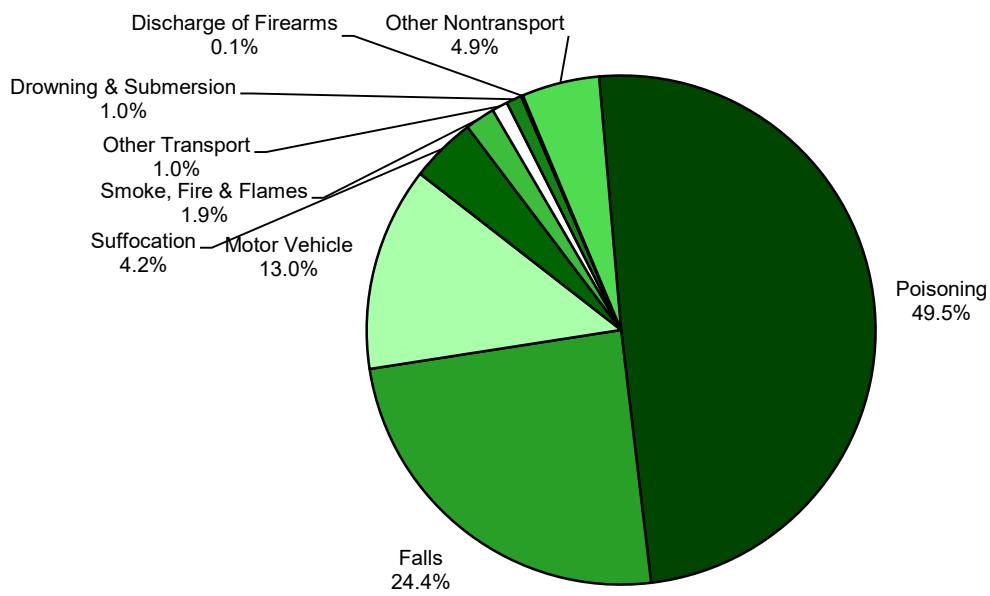
Note: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Figure C-17
Resident Deaths Due to Accidents
 Percent by Age Group, Pennsylvania, 2022



Note: may not sum to 100 due to rounding.

Figure C-18
Resident Deaths Due to Accidents
 Percent by Type, Pennsylvania, 2022



Note: may not sum to 100 due to rounding.

Table C-19
Cerebrovascular Disease Deaths
Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals
Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022

Year	Pennsylvania			United States		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2022	6,824	36.3	35.4-37.2	165,393	39.5	39.3-39.7
2021	6,769	37.6	36.7-38.5	162,890	41.1	40.9-41.3
2020	6,925	38.2	37.3-39.1	160,264	38.8	38.6-39.0
2019	6,645	35.3	34.5-36.2	150,005	37.0	36.8-37.2
2018	6,588	35.2	34.4-36.1	147,810	37.1	36.9-37.3
2017	6,680	36.4	35.5-37.3	146,383	37.6	37.4-37.8
2016	6,694	36.8	35.9-37.7	142,142	37.3	37.1-37.5
2015	6,943	38.6	37.7-39.5	140,323	37.6	37.4-37.8
2014	6,527	36.5	35.6-37.4	133,103	36.5	36.3-36.7
2013	6,575	37.0	36.1-37.9	128,978	36.2	36.0-36.4
2012	6,445	36.8	35.9-37.7	128,546	36.9	36.7-37.1
2011	6,746	39.1	38.2-40.0	128,931	37.9	37.7-38.1
2010	6,629	38.9	38.0-39.8	129,476	39.1	38.9-39.3
2009	6,791	39.9	39.0-40.9	128,842	38.9	38.7-39.1
2008	6,676	41.8	40.8-42.8	134,148	40.7	40.5-40.9
2007	7,095	46.9	45.8-48.0	135,952	42.2	42.0-42.4
2006	7,093	47.9	46.8-49.0	137,119	43.6	43.4-43.8
2005	7,581	48.0	46.9-49.1	143,579	46.6	46.4-46.8
2004	7,731	49.9	48.8-51.0	150,074	50.0	49.8-50.3
2003	8,180	53.7	52.5-54.9	157,689	53.5	53.2-53.8
2002	8,442	56.5	55.3-57.7	162,672	56.2	55.9-56.5
2001	8,585	54.7	53.5-55.9	163,538	57.9	57.6-58.2
2000	8,885	58.7	57.5-59.9	167,661	60.9	60.6-61.2
1999	8,547	54.2	53.1-55.4	167,366	61.8	61.5-62.1
1998	8,208	53.3	52.2-54.5	158,448	59.6	59.3-59.9
1997	8,325	55.6	54.4-56.8	159,791	61.8	61.5-62.1
1996	8,582	59.8	58.5-61.1	159,942	63.2	62.9-63.5
1995	8,206	58.2	56.9-59.5	157,991	63.9	63.6-64.2
1994	8,380	59.4	58.1-60.7	153,306	63.3	63.0-63.6
1993	7,819	58.4	57.1-59.7	150,108	63.2	62.9-63.5
1992	7,657	56.1	54.8-57.4	143,769	62.1	61.8-62.4
1991	7,587	57.6	56.3-58.9	143,481	63.3	63.0-63.6
1990	7,678	60.8	59.4-62.2	144,088	65.5	65.2-65.8
1985	8,175	65.8	64.4-67.2	153,050	76.6	76.2-77.0
1980	9,539	90.8	89.0-92.6	170,225	96.4	95.9-96.9
1975	11,311	115.9	113.8-118.0	194,038	123.5	123.0-124.1
1970	12,573	143.0	140.5-145.5	207,166	147.7	147.1-148.3

NA = Data not available

Notes: Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 100,000. Unknowns excluded from calculations for 2002 - 2022.

CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.

Data for 1999-2022 based on ICD-10, 1980-1998 based on ICD-9, and 1970 and 1975 based on ICD-8 cause of death codes.

Figure C-19
Cerebrovascular Disease Age-Adjusted Death Rates
Pennsylvania and United States, 1980-2022

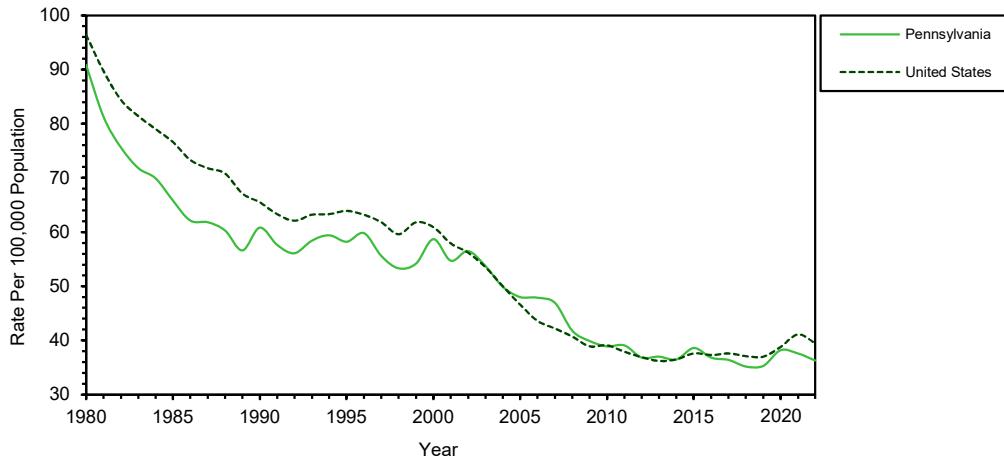


Table C-20
Influenza and Pneumonia Deaths
Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals
Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022

Year	Pennsylvania			United States		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2022	2,004	10.8	10.3-11.3	47,052	11.3	11.2-11.4
2021	1,841	10.3	9.8-10.8	41,917	10.5	10.4-10.6
2020	2,352	13.2	12.7-13.7	53,544	13.0	12.9-13.2
2019	2,472	13.4	12.9-13.9	49,783	12.3	12.2-12.4
2018	2,881	15.5	14.9-16.1	59,120	14.9	14.8-15.0
2017	2,710	14.6	14.1-15.2	55,672	14.3	14.2-14.4
2016	2,468	13.7	13.2-14.2	51,537	13.5	13.4-13.6
2015	2,892	15.9	15.3-16.5	57,062	15.2	15.1-15.3
2014	2,498	13.9	13.4-14.5	55,227	15.1	15.0-15.2
2013	2,865	16.0	15.4-16.6	56,979	15.9	15.8-16.0
2012	2,328	13.3	12.8-13.8	50,636	14.4	14.3-14.5
2011	2,726	15.7	15.1-16.3	53,667	15.7	15.6-15.8
2010	2,289	13.4	12.9-14.0	50,097	15.1	15.0-15.2
2009	2,532	14.9	14.3-15.5	53,692	16.2	16.1-16.3
2008	2,701	16.7	16.1-17.4	56,284	16.9	16.8-17.0
2007	2,521	16.7	16.1-17.4	52,717	16.2	16.1-16.3
2006	2,694	18.2	17.5-18.9	56,326	17.8	17.7-18.0
2005	3,039	19.2	18.5-19.9	63,001	20.3	20.1-20.5
2004	2,915	18.7	18.0-19.4	59,664	19.8	19.6-20.0
2003	2,974	19.6	18.9-20.3	65,163	22.0	21.8-22.2
2002	2,786	18.7	18.0-19.4	65,681	22.6	22.4-22.8
2001	2,753	17.4	16.8-18.1	62,034	22.0	21.8-22.2
2000	3,047	20.2	19.5-20.9	65,313	23.7	23.5-23.9
1999	3,093	19.3	18.6-20.0	63,730	23.6	23.4-23.8
1998	4,512	28.9	28.1-29.7	91,871	34.6	34.4-34.8
1997	4,362	28.9	28.0-29.8	86,449	33.6	33.4-33.8
1996	4,347	30.4	29.5-31.3	83,727	33.2	33.0-33.4
1995	4,242	30.2	29.3-31.1	82,923	33.8	33.6-34.0
1994	4,212	29.9	29.0-30.8	81,473	33.9	33.7-34.1
1993	4,202	31.9	30.9-32.9	82,820	35.2	35.0-35.4
1992	4,022	29.6	28.7-30.5	75,719	33.1	32.9-33.3
1991	3,911	30.2	29.3-31.2	77,860	34.9	34.7-35.2
1990	3,876	31.5	30.5-32.5	79,513	36.8	36.5-37.1
1985	3,357	27.1	26.2-28.0	67,615	34.5	34.2-34.8
1980	2,869	27.9	26.9-28.9	54,619	31.4	31.1-31.7
1975	3,187	32.8	31.7-33.9	55,664	34.9	34.6-35.2
1970	3,466	38.2	36.9-39.5	62,739	41.7	41.4-42.0

NA = Data not available

Notes: Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 100,000. Unknowns excluded from calculations for 2002 - 2022.

CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.

Data for 1999-2022 based on ICD-10, 1980-1998 based on ICD-9, and 1970 and 1975 based on ICD-8 cause of death codes.

Figure C-20
Influenza and Pneumonia Age-Adjusted Death Rates
Pennsylvania and United States, 1980-2022



Table C-21A
Intentional Self-harm (Suicide) Deaths
Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals
Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022

Year	Pennsylvania			United States		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2022	1,925	14.0	13.4-14.6	49,476	14.2	14.1-14.3
2021	1,878	13.9	13.3-14.5	48,183	14.1	14.0-14.2
2020	1,686	12.3	11.7-12.9	45,979	13.5	13.4-13.6
2019	1,887	14.0	13.4-14.6	47,511	13.9	13.8-14.0
2018	2,017	14.9	14.3-15.6	48,344	14.2	14.1-14.3
2017	2,023	15.0	14.4-15.7	47,173	14.0	13.9-14.1
2016	1,960	14.6	14.0-15.3	44,965	13.5	13.4-13.6
2015	1,882	13.9	13.3-14.5	44,193	13.3	13.2-13.4
2014	1,797	13.2	12.6-13.8	42,773	13.0	12.9-13.1
2013	1,778	13.3	12.7-13.9	41,149	12.6	12.5-12.7
2012	1,613	12.1	11.5-12.7	40,600	12.6	12.5-12.7
2011	1,707	12.9	12.3-13.5	38,285	12.0	11.9-12.1
2010	1,547	11.7	11.1-12.3	38,364	12.1	12.0-12.2
2009	1,601	12.2	11.6-12.8	36,909	11.8	11.7-11.9
2008	1,522	11.9	11.3-12.5	36,035	11.6	11.5-11.7
2007	1,416	11.1	10.5-11.7	34,598	11.3	11.2-11.4
2006	1,372	10.7	10.1-11.3	33,300	10.9	10.8-11.0
2005	1,404	11.0	10.4-11.6	32,637	10.9	10.8-11.0
2004	1,397	11.0	10.4-11.6	32,439	10.9	10.8-11.0
2003	1,330	10.5	9.9-11.1	31,484	10.8	10.7-10.9
2002	1,326	10.6	10.0-11.2	31,655	10.9	10.8-11.0
2001	1,266	10.1	9.5-10.7	30,622	10.7	10.6-10.8
2000	1,348	10.7	10.1-11.3	29,350	10.4	10.3-10.5
1999	1,272	10.4	9.8-11.0	29,199	10.7	10.6-10.8
1998	1,365	11.2	10.6-11.8	30,575	11.3	11.2-11.4
1997	1,401	11.5	10.9-12.1	30,535	11.4	11.3-11.5
1996	1,405	11.4	10.8-12.0	30,903	11.7	11.6-11.8
1995	1,450	11.8	11.2-12.4	31,284	12.0	11.9-12.1
1994	1,328	10.8	10.2-11.4	31,142	12.1	12.0-12.2
1993	1,400	11.4	10.8-12.0	31,102	12.2	12.1-12.3
1992	1,378	11.3	10.7-11.9	30,484	12.1	12.0-12.2
1991	1,387	11.3	10.7-11.9	30,810	12.3	12.2-12.4
1990	1,446	11.8	11.2-12.4	30,906	12.5	12.4-12.6
1985	1,432	11.8	11.2-12.4	29,453	12.5	12.4-12.6
1980	1,317	11.2	10.6-11.8	26,869	12.2	12.1-12.4
1975	1,377	12.1	11.5-12.7	27,063	13.6	13.4-13.8
1970	1,337	12.4	11.7-13.1	23,480	13.1	12.9-13.3

NA = Data not available

Notes: Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 100,000. Unknowns excluded from calculations for 2002 - 2022.

CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.

Data for 1999-2022 based on ICD-10, 1980-1998 based on ICD-9, and 1970 and 1975 based on ICD-8 cause of death codes.

Figure C-21
Intentional Self-harm (Suicide) Age-Adjusted Death Rates
Pennsylvania and United States, 1980-2022

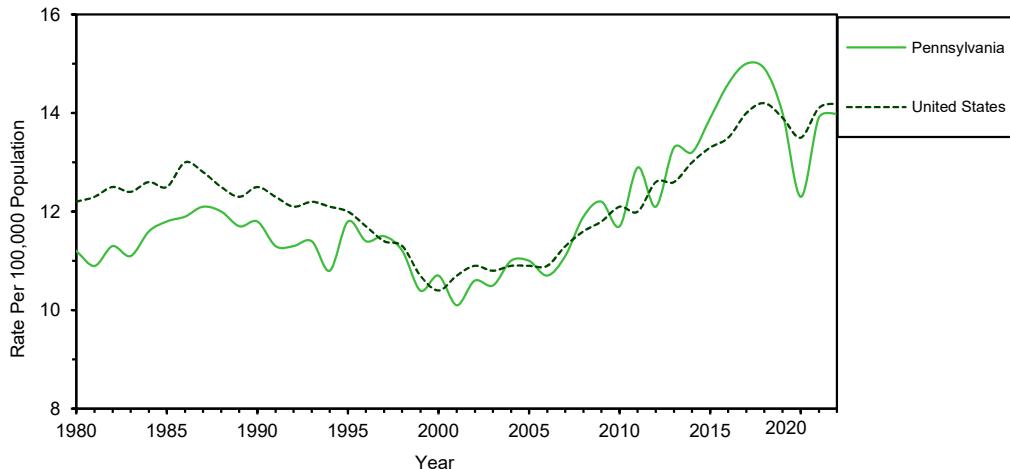


Table C-21B
Resident Intentional Self-harm (Suicide) Deaths
by Age, Race, and Sex, Pennsylvania, 2022

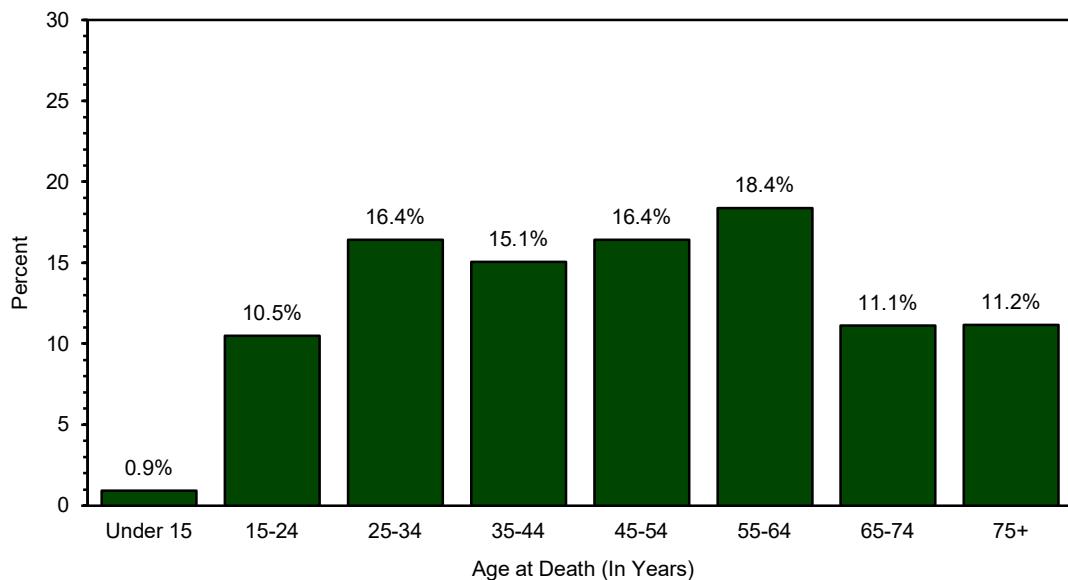
Age Group (In Years)	All Races			White			Black		
	Total*	Male	Female	Total*	Male	Female	Total*	Male	Female
All Ages**	1,925	1,543	382	1,654	1,335	319	147	118	29
Under 15	18	13	5	12	8	4	4	3	1
15 - 24	202	159	43	137	112	25	30	22	8
25 - 34	316	255	61	234	195	39	39	33	6
35 - 44	290	237	53	255	209	46	26	20	6
45 - 54	316	247	69	282	219	63	20	15	5
55 - 64	354	272	82	331	254	77	14	12	2
65 - 74	214	167	47	200	156	44	6	5	1
75+	215	193	22	203	182	21	8	8	0

* Total includes any unknown sex.

**Includes any unknown ages.

Note: Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Figure C-22
Resident Intentional Self-harm (Suicide) Deaths
Percent by Age Group, Pennsylvania, 2022



Note: may not sum to 100 due to rounding.

Table C-22A
Deaths Due to HIV Disease, Number and Rate*
Pennsylvania and United States, 1987-2022

Year	Pennsylvania		United States	
	Number	Rate	Number	Rate
2022	140	0.9	4,941	1.5
2021	108	0.7	4,977	1.5
2020	129	1.0	5,115	1.6
2019	109	0.9	5,044	1.5
2018	121	0.9	5,425	1.7
2017	154	1.2	5,698	1.7
2016	168	1.3	6,160	1.9
2015	175	1.4	6,465	2.0
2014	196	1.5	6,721	2.1
2013	244	1.9	6,955	2.2
2012	207	1.6	7,216	2.3
2011	220	1.7	7,638	2.5
2010	264	2.1	8,369	2.7
2009	291	2.3	9,406	3.1
2008	304	2.4	10,285	3.4
2007	371	3.0	11,295	3.7
2006	360	2.9	12,113	4.0
2005	358	2.8	12,543	4.2
2004	458	3.7	13,063	4.5
2003	463	3.7	13,658	4.7
2002	496	4.0	14,095	4.9
2001	495	4.0	14,175	5.0
2000	498	4.1	14,478	5.1
1999	493	4.1	14,802	5.4
1998	479	4.0	13,426	5.0
1997	567	4.7	16,516	6.2
1996	1,057	8.8	31,130	11.7
1995	1,372	11.4	43,115	16.4
1994	1,281	10.6	42,114	16.2
1993	1,088	9.0	37,267	14.5
1992	980	8.2	33,566	13.2
1991	853	7.1	29,555	11.7
1990	750	6.3	25,188	10.1
1989	651	5.4	22,082	8.9
1988	466	3.9	16,602	6.8
1987	365	3.1	13,468	5.5

* Rate per 100,000 population.

NA = Data not available

Notes: Data for 1999-2022 based on ICD-10 and 1987-1998 based on ICD-9 cause of death codes.

Figure C-23
HIV Disease Death Rates
Pennsylvania and United States, 1987-2022

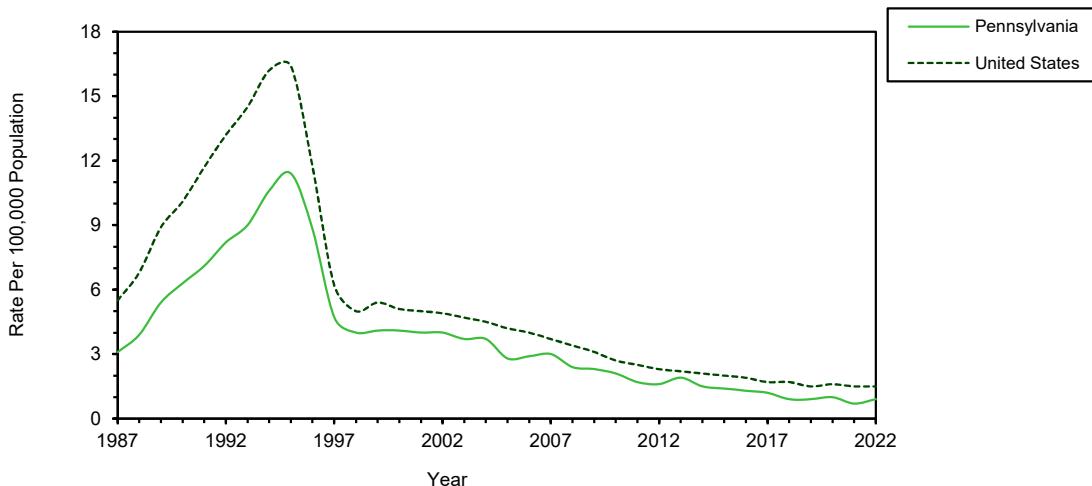


Table C-22B
Resident Deaths Due to HIV Disease
by Age, Race, Hispanic Origin, and Sex, Pennsylvania, 2022

Age Group (In Years)	All Races			White			Black			Hispanic Origin		
	Total*	Male	Female	Total*	Male	Female	Total*	Male	Female	Total*	Male	Female
All Ages**	140	102	38	52	42	10	70	45	25	18	14	4
Under 15	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24	1	1	0	0	0	0	1	1	0	0	0	0
25 - 29	2	1	1	1	1	0	1	0	1	0	0	0
30 - 34	14	11	3	4	3	1	7	5	2	2	2	0
35 - 39	12	6	6	4	3	1	7	3	4	1	0	1
40 - 44	10	10	0	3	3	0	5	5	0	3	3	0
45 - 54	22	12	10	7	5	2	12	4	8	2	2	0
55 - 64	47	34	13	20	15	5	21	14	7	5	3	2
65 - 74	26	23	3	11	10	1	12	11	1	5	4	1
75+	6	4	2	2	2	0	4	2	2	0	0	0

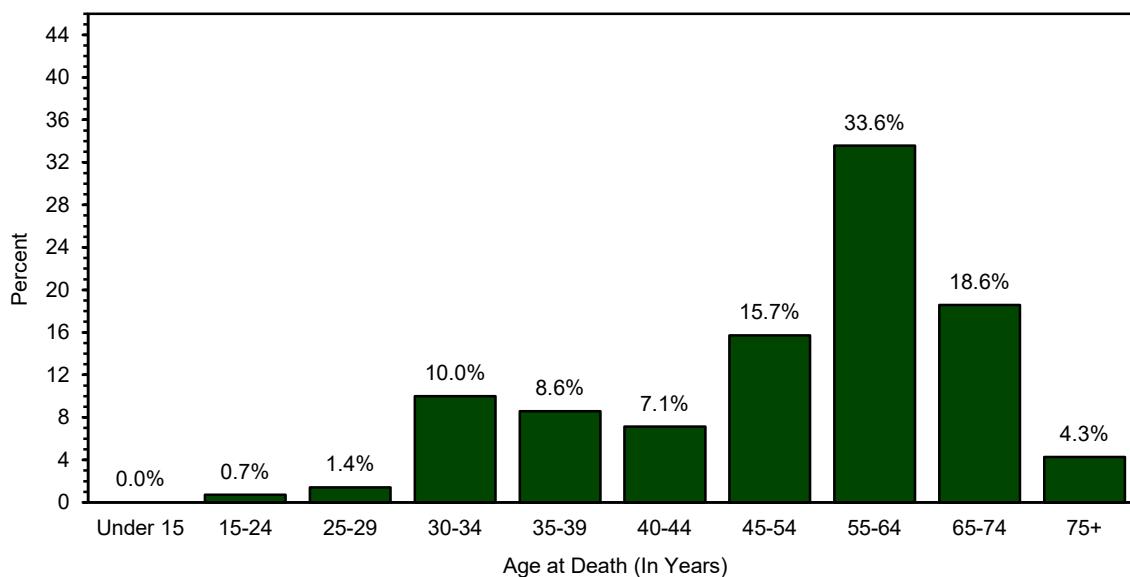
* Total includes any unknown sex.

**Includes any unknown ages.

Note: Hispanic origin can be of any race.

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Figure C-24
Resident Deaths Due to HIV Disease
Percent by Age Group, Pennsylvania, 2022



Note: may not sum to 100 due to rounding.

Table C-23A
Assault (Homicide) Deaths
Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals
Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022

Year	Pennsylvania			United States		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2022	1,059	8.8	8.3-9.3	24,849	7.7	7.6-7.8
2021	1,103	9.2	8.7-9.7	26,031	8.2	8.1-8.3
2020	988	8.3	7.8-8.8	24,576	7.8	7.7-7.9
2019	721	6.1	5.6-6.5	19,141	6.0	5.9-6.1
2018	785	6.5	6.0-6.9	18,830	5.9	5.8-6.0
2017	790	6.6	6.1-7.1	19,510	6.2	6.1-6.3
2016	722	6.0	5.6-6.4	19,362	6.2	6.1-6.3
2015	674	5.6	5.2-6.0	17,793	5.7	5.6-5.8
2014	617	5.1	4.7-5.5	15,809	5.1	5.0-5.2
2013	630	5.3	4.8-5.7	16,121	5.2	5.1-5.3
2012	699	5.8	5.4-6.2	16,688	5.4	5.3-5.5
2011	674	5.6	5.2-6.0	15,953	5.2	5.1-5.3
2010	682	5.6	5.2-6.0	16,259	5.3	5.2-5.4
2009	650	5.3	4.9-5.7	16,799	5.5	5.4-5.6
2008	692	5.7	5.3-6.2	17,826	5.9	5.8-6.0
2007	737	6.1	5.7-6.5	18,361	6.1	6.0-6.2
2006	759	6.3	5.9-6.8	18,573	6.2	6.1-6.3
2005	741	6.2	5.8-6.7	18,124	6.1	6.0-6.2
2004	679	5.7	5.3-6.1	17,357	5.9	5.8-6.0
2003	666	5.6	5.2-6.0	17,732	6.0	5.9-6.1
2002	629	5.3	4.9-5.7	17,638	6.1	6.0-6.2
2001	671	5.6	5.2-6.0	20,308	7.1	7.0-7.2
2000	649	5.5	5.1-5.9	16,765	5.9	5.8-6.0
1999	634	5.4	5.0-5.8	16,889	6.2	6.1-6.3
1998	634	5.4	5.0-5.8	18,272	6.7	6.6-6.8
1997	787	6.6	6.1-7.1	19,846	7.3	7.2-7.4
1996	705	5.9	5.5-6.3	20,971	7.8	7.7-7.9
1995	781	6.5	6.0-7.0	22,895	8.6	8.5-8.7
1994	750	6.2	5.8-6.6	24,926	9.4	9.3-9.5
1993	847	7.0	6.5-7.5	26,009	9.8	9.7-9.9
1992	767	6.3	5.9-6.8	25,488	9.6	9.5-9.7
1991	770	6.3	5.9-6.7	26,513	10.1	10.0-10.2
1990	824	6.8	6.3-7.3	24,932	9.5	9.4-9.6
1985	588	4.9	4.5-5.3	19,893	8.0	7.9-8.1
1980	827	6.8	6.3-7.3	24,278	10.5	10.4-10.6
1975	843	7.4	6.9-7.9	21,310	10.2	10.1-10.3
1970	657	5.8	5.4-6.2	16,848	9.0	8.9-9.1

NA = Data not available

Notes: Prior to 1999, numbers include deaths due to legal intervention.

Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 100,000. Unknowns excluded from calculations for 2002 - 2022.

CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.

Data for 1999-2022 based on ICD-10, 1980-1998 based on ICD-9, and 1970 and 1975 based on ICD-8 cause of death codes.

Figure C-25
Assault (Homicide) Age-Adjusted Death Rates
Pennsylvania and United States, 1980-2022

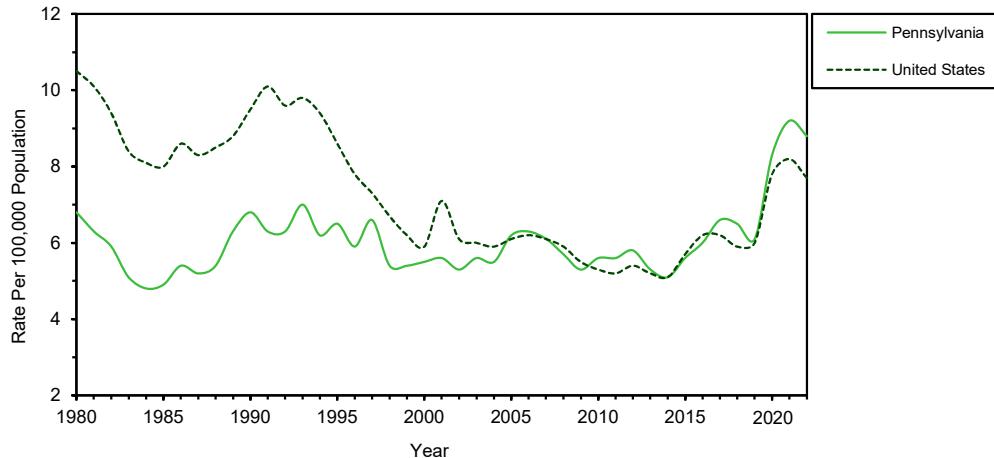


Table C-23B
Resident Assault (Homicide) Deaths
by Age, Race, Hispanic Origin, and Sex, Pennsylvania, 2022

Age Group (In Years)	All Races			White			Black			Hispanic Origin		
	Total*	Male	Female	Total*	Male	Female	Total*	Male	Female	Total*	Male	Female
All Ages**	1,059	879	180	269	179	90	662	593	69	136	112	24
Under 15	54	37	17	23	15	8	22	15	7	9	6	3
15 - 24	267	241	26	34	27	7	191	178	13	48	38	10
25 - 34	322	282	40	53	39	14	233	213	20	41	34	7
35 - 44	194	155	39	60	36	24	119	107	12	21	19	2
45 - 54	108	86	22	41	29	12	49	41	8	13	12	1
55 - 64	69	51	18	30	19	11	33	27	6	4	3	1
65 - 74	27	17	10	15	8	7	12	9	3	0	0	0
75+	18	10	8	13	6	7	3	3	0	0	0	0

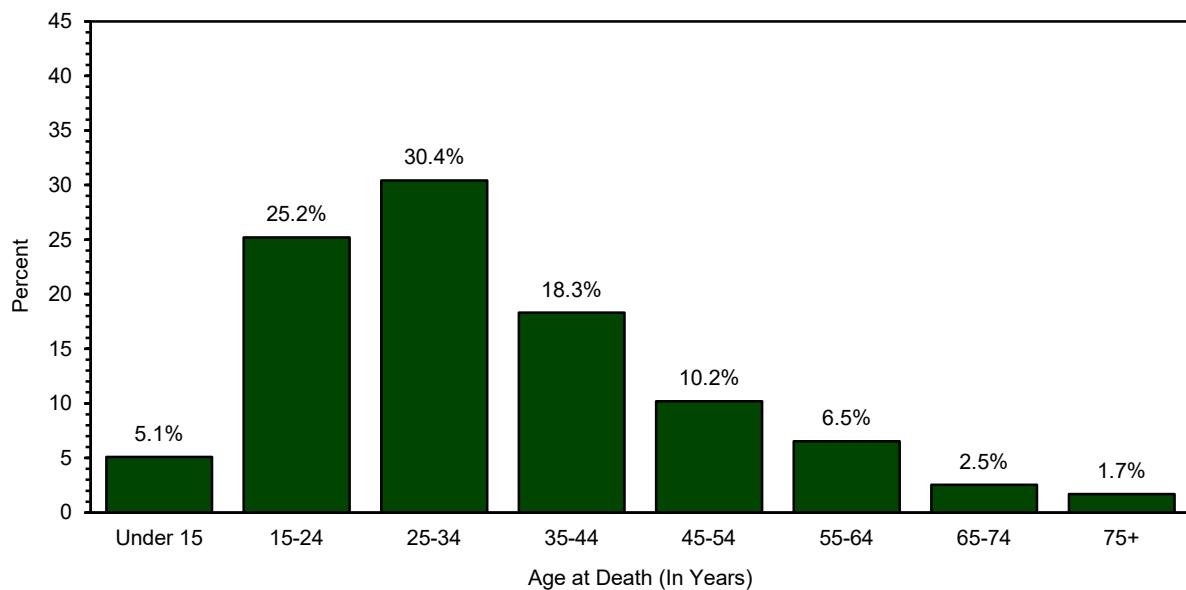
* Total includes any unknown sex.

**Includes any unknown ages.

Note: Hispanic origin can be of any race.

Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

Figure C-26
Resident Assault (Homicide) Deaths
Percent by Age Group, Pennsylvania, 2022



Note: may not sum to 100 due to rounding.

Table C-24
Resident Live Births, All Deaths, Infant Deaths, and Neonatal Deaths
by County, Number and Rate*: Pennsylvania, 2022

County	Live Births		All Deaths		Infant Deaths		Neonatal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	130,302	10.0	147,124	11.3	741	5.7	501	3.8
Adams	942	8.9	1,198	11.3	5	ND	3	ND
Allegheny	11,831	9.6	14,561	11.8	66	5.6	41	3.5
Armstrong	539	8.3	939	14.5	0	ND	0	ND
Beaver	1,519	9.2	2,396	14.5	11	7.2	8	ND
Bedford	473	10.0	635	13.4	2	ND	2	ND
Berks	4,585	10.7	4,421	10.3	25	5.5	20	4.4
Blair	1,190	9.8	1,756	14.5	9	ND	5	ND
Bradford	608	10.2	820	13.7	3	ND	3	ND
Bucks	5,595	8.7	6,943	10.8	19	3.4	14	2.5
Butler	1,699	8.6	2,291	11.6	3	ND	3	ND
Cambria	1,191	9.1	1,988	15.1	6	ND	5	ND
Cameron	35	7.9	86	19.5	0	ND	0	ND
Carbon	532	8.1	931	14.2	4	ND	2	ND
Centre	1,120	7.1	1,136	7.2	6	ND	4	ND
Chester	5,608	10.3	4,455	8.2	20	3.6	11	2.0
Clarion	365	9.8	525	14.1	3	ND	1	ND
Clearfield	671	8.6	1,118	14.4	3	ND	2	ND
Clinton	430	11.3	468	12.3	1	ND	1	ND
Columbia	586	9.0	797	12.3	7	ND	4	ND
Crawford	855	10.3	1,102	13.3	4	ND	1	ND
Cumberland	2,701	10.1	2,715	10.1	14	5.2	10	3.7
Dauphin	3,280	11.4	3,019	10.5	16	4.9	12	3.7
Delaware	6,491	11.3	5,687	9.9	47	7.2	31	4.8
Elk	243	8.0	419	13.7	0	ND	0	ND
Erie	2,652	9.9	3,270	12.2	19	7.2	10	3.8
Fayette	1,136	9.0	2,057	16.4	5	ND	5	ND
Forest	20	3.0	95	14.3	2	ND	1	ND
Franklin	1,709	10.9	1,891	12.1	15	8.8	9	ND
Fulton	139	9.6	197	13.6	0	ND	0	ND
Greene	265	7.6	502	14.5	1	ND	1	ND
Huntingdon	384	8.9	534	12.3	1	ND	1	ND
Indiana	735	8.9	1,053	12.7	5	ND	4	ND
Jefferson	446	10.2	625	14.3	4	ND	3	ND
Juniata	299	12.8	310	13.3	2	ND	1	ND
Lackawanna	1,967	9.1	2,846	13.2	12	6.1	11	5.6
Lancaster	7,095	12.7	5,868	10.5	48	6.8	37	5.2
Lawrence	769	9.1	1,293	15.2	5	ND	4	ND
Lebanon	1,564	10.9	1,747	12.1	7	ND	4	ND
Lehigh	3,822	10.2	3,701	9.8	24	6.3	18	4.7
Luzerne	3,075	9.4	4,342	13.3	18	5.9	8	ND
Lycoming	1,085	9.6	1,412	12.5	11	10.1	8	ND
McKean	334	8.4	607	15.2	0	ND	0	ND
Mercer	953	8.7	1,590	14.6	7	ND	6	ND
Mifflin	558	12.1	620	13.5	7	ND	4	ND
Monroe	1,361	8.1	1,818	10.9	10	7.3	6	ND
Montgomery	8,487	9.8	8,341	9.6	37	4.4	29	3.4
Montour	229	12.7	231	12.8	3	ND	2	ND
Northampton	2,698	8.5	3,429	10.8	14	5.2	12	4.4
Northumberland	801	8.9	1,191	13.2	2	ND	2	ND
Perry	502	10.9	490	10.6	6	ND	4	ND
Philadelphia	19,118	12.2	15,646	10.0	128	6.7	81	4.2
Pike	461	7.6	647	10.7	0	ND	0	ND
Potter	145	8.9	230	14.2	0	ND	0	ND
Schuylkill	1,221	8.5	2,039	14.2	7	ND	6	ND
Snyder	388	9.8	414	10.4	0	ND	0	ND
Somerset	613	8.4	1,080	14.9	3	ND	2	ND
Sullivan	33	5.6	82	14.0	1	ND	1	ND
Susquehanna	374	9.8	557	14.6	1	ND	1	ND
Tioga	383	9.3	543	13.2	3	ND	3	ND
Union	374	8.7	414	9.7	1	ND	1	ND
Venango	428	8.6	766	15.4	5	ND	5	ND
Warren	347	9.2	578	15.3	0	ND	0	ND
Washington	1,874	8.9	2,748	13.1	17	9.1	5	ND
Wayne	405	7.9	716	14.0	1	ND	0	ND
Westmoreland	2,910	8.3	4,999	14.2	13	4.5	10	3.4
Wyoming	213	8.2	381	14.6	0	ND	0	ND
York	4,841	10.5	4,818	10.4	22	4.5	13	2.7

* Birth and total death crude rates per 1,000 population, 2022. Infant and neonatal death rates per 1,000 live births.

NOTE: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table C-25
Resident Deaths, Infant Deaths, and Neonatal Deaths by County
Number and Average Annual Rate*: Pennsylvania, 2018-2022

County	All Deaths 2018-2022		Infant Deaths 2018-2022		Neonatal Deaths 2018-2022	
	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	726,709	11.3	3,784	5.7	2,614	3.9
Adams	5,777	11.1	19	4.1	11	2.4
Allegheny	72,465	11.8	385	6.2	280	4.5
Armstrong	4,615	14.2	16	5.6	11	3.9
Beaver	11,709	14.1	51	6.6	35	4.5
Bedford	3,249	13.6	14	6.0	9	ND
Berks	21,867	10.3	141	6.2	104	4.6
Blair	8,739	14.3	35	5.9	22	3.7
Bradford	3,818	12.7	13	4.1	7	ND
Bucks	33,509	10.5	104	3.7	75	2.7
Butler	11,152	11.6	32	3.8	24	2.8
Cambria	9,949	15.1	33	5.5	18	3.0
Cameron	369	16.5	1	ND	1	ND
Carbon	4,439	13.7	10	3.6	7	ND
Centre	5,595	7.0	32	5.7	23	4.1
Chester	21,757	8.2	110	4.0	79	2.9
Clarion	2,516	13.3	13	7.0	7	ND
Clearfield	5,351	13.5	29	8.4	18	5.2
Clinton	2,299	12.1	14	6.8	9	ND
Columbia	3,887	12.0	14	5.1	7	ND
Crawford	5,497	13.1	34	7.8	25	5.7
Cumberland	13,095	10.1	56	4.3	44	3.3
Dauphin	14,366	10.1	110	6.6	77	4.6
Delaware	29,305	10.3	211	6.6	159	5.0
Elk	2,017	13.2	6	ND	5	ND
Erie	15,792	11.7	100	7.4	61	4.5
Fayette	9,978	15.6	38	6.2	28	4.6
Forest	484	13.8	6	ND	3	ND
Franklin	9,097	11.7	48	5.6	33	3.9
Fulton	924	12.7	4	ND	2	ND
Greene	2,458	13.8	10	6.4	5	ND
Huntingdon	2,695	12.2	13	6.6	10	5.1
Indiana	5,079	12.2	18	4.6	13	3.3
Jefferson	3,031	13.8	16	6.9	13	5.6
Juniata	1,505	12.6	8	ND	6	ND
Lackawanna	14,101	13.2	56	5.5	41	4.0
Lancaster	28,132	10.2	196	5.6	144	4.1
Lawrence	6,482	15.1	27	6.6	19	4.6
Lebanon	8,552	12.0	35	4.5	20	2.5
Lehigh	18,686	10.0	112	5.4	76	3.7
Luzerne	22,091	13.7	98	6.1	54	3.4
Lycoming	7,146	12.6	48	8.3	32	5.5
McKean	2,872	14.2	8	ND	7	ND
Mercer	8,073	14.7	34	6.7	22	4.3
Mifflin	3,183	13.8	23	8.2	14	5.0
Monroe	8,549	10.1	35	4.9	22	3.1
Montgomery	41,370	9.8	167	3.9	123	2.9
Montour	1,184	13.0	8	ND	6	ND
Northampton	16,770	10.8	62	4.5	48	3.4
Northumberland	6,409	14.1	27	6.1	22	5.0
Perry	2,518	10.9	20	8.0	13	5.2
Philadelphia	78,728	9.9	689	6.9	468	4.7
Pike	3,026	10.4	5	ND	4	ND
Potter	1,177	14.4	2	ND	1	ND
Schuylkill	10,297	14.5	44	7.0	29	4.6
Snyder	2,050	10.3	4	ND	1	ND
Somerset	5,298	14.4	17	5.3	11	3.4
Sullivan	521	17.5	2	ND	1	ND
Susquehanna	2,687	13.7	10	5.5	4	ND
Tioga	2,611	12.8	15	7.6	11	5.6
Union	2,103	9.7	6	ND	5	ND
Venango	3,681	14.6	17	7.6	11	4.9
Warren	2,834	14.7	11	6.0	4	ND
Washington	13,661	13.1	58	6.0	30	3.1
Wayne	3,494	13.6	5	ND	1	ND
Westmoreland	24,620	14.0	81	5.6	65	4.5
Wyoming	1,827	13.9	2	ND	0	ND
York	23,591	10.4	116	4.9	74	3.1

* Crude death rate per 1,000 population for each county, 2018-2022. Infant and neonatal death rates per 1,000 live births for each county, 2018-2022.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Figure C-27

**Resident Crude Death Rates by County
Pennsylvania, 2022**

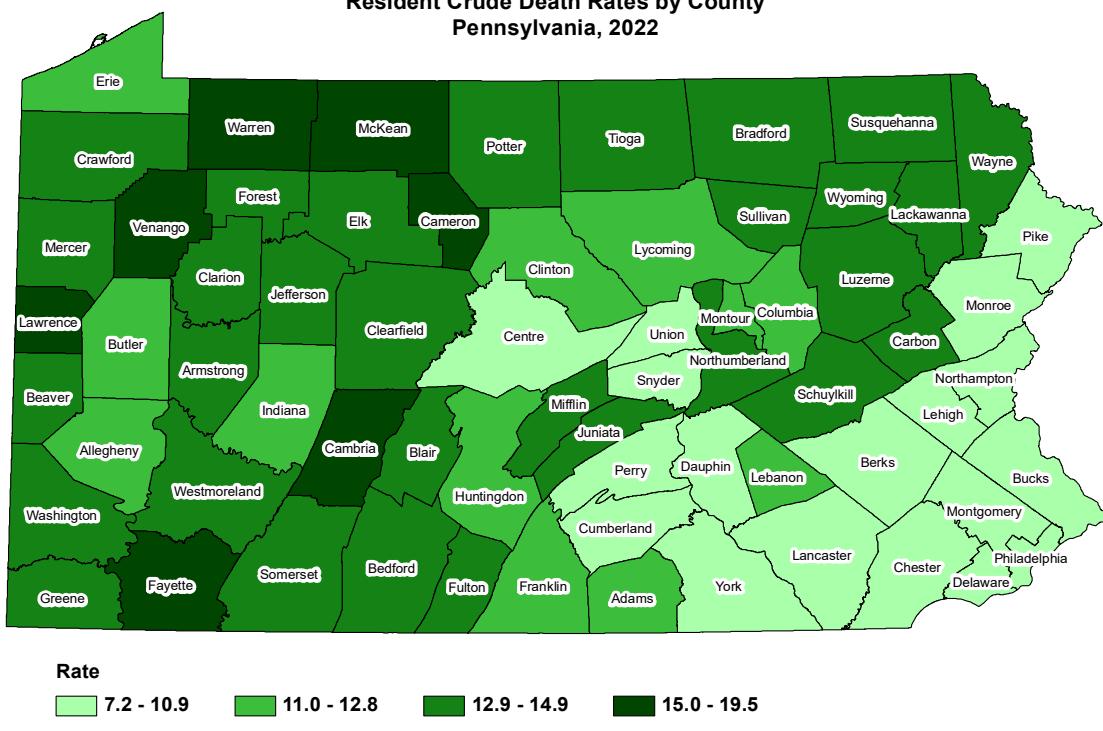


Figure C-28

**Resident Average Annual Age-Adjusted Death Rates by County
Pennsylvania, 2018-2022**

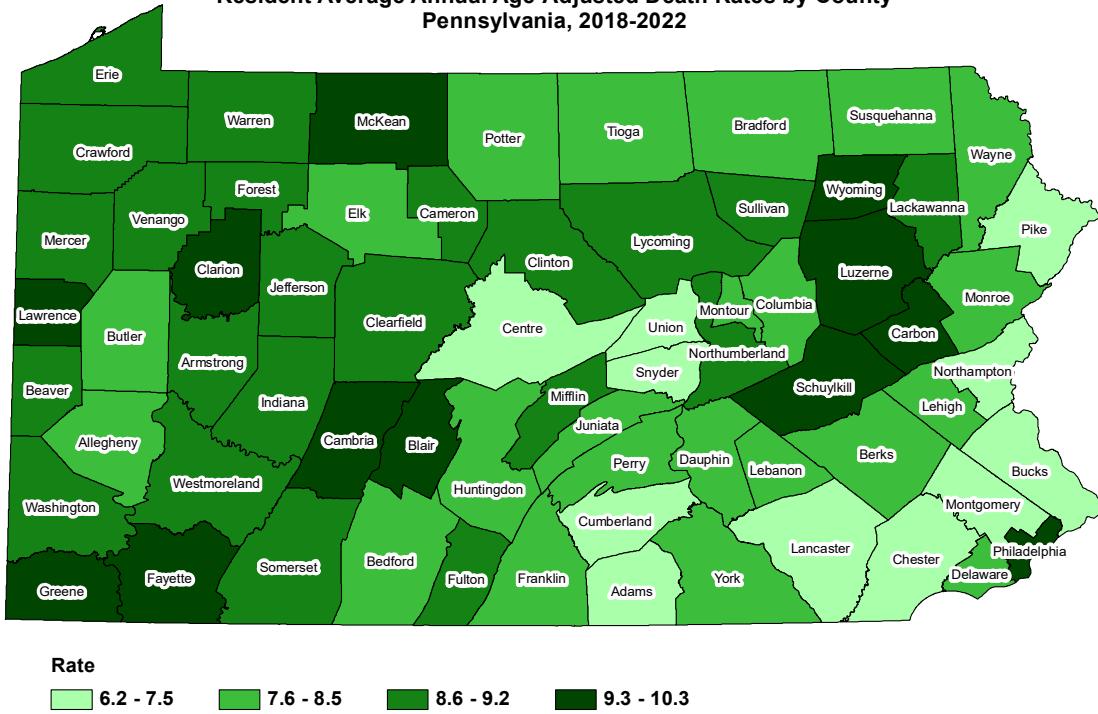


Figure C-29
**Resident Average Annual Infant Mortality Rates by County
Pennsylvania, 2018-2022**

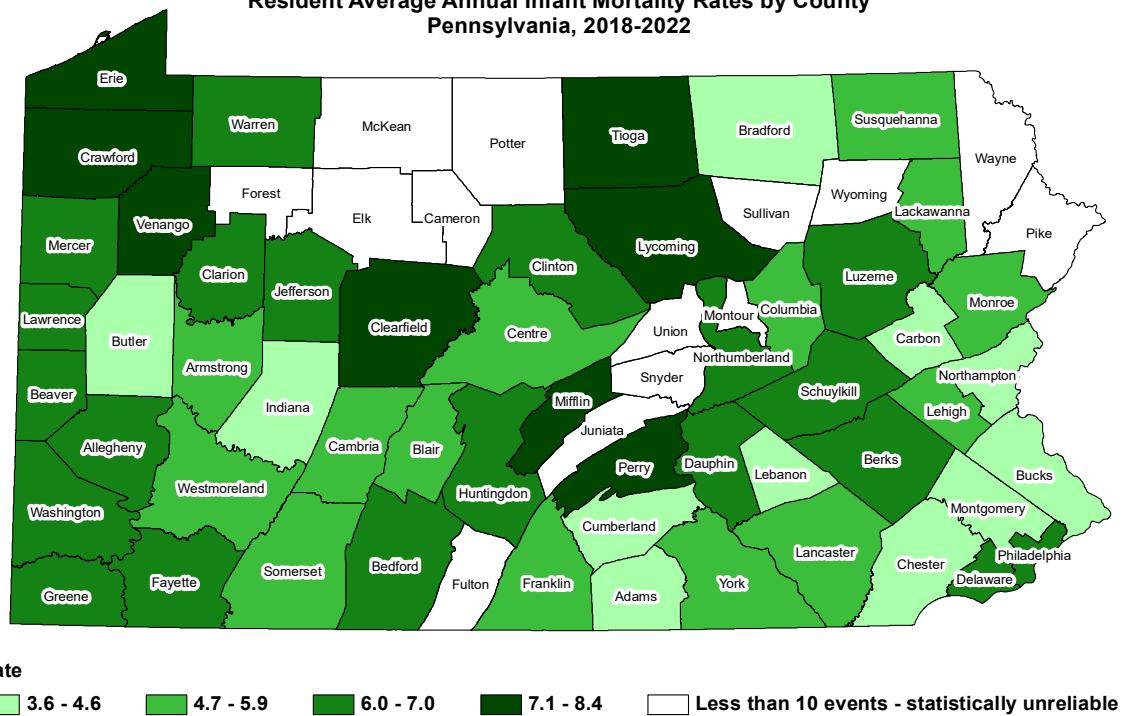
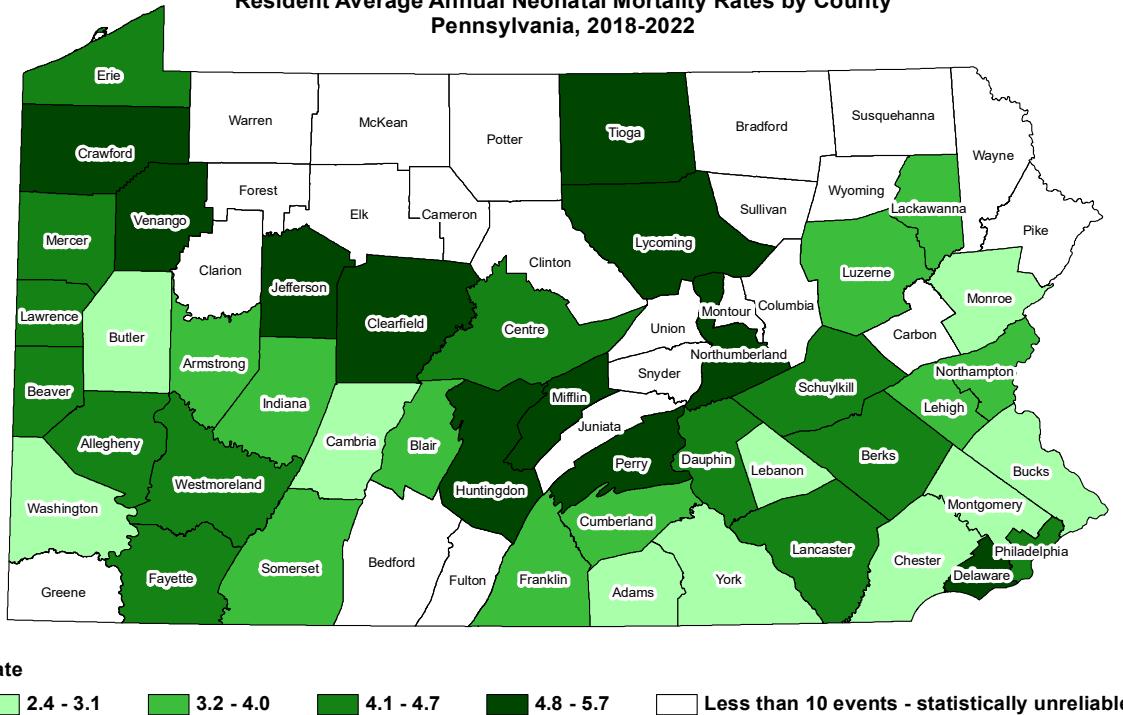


Figure C-30



Note: Rate per 1,000 live births, 2018-2022. See Table C-25 for county rates.

Table C-26
Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals
By Sex and County, Pennsylvania Residents, 2022

County	Total*			Male			Female		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)	Number	Rate	CI (95%)
Pennsylvania	147,124	8.2	8.16-8.24	74,902	9.8	9.73-9.87	72,218	6.8	6.75-6.85
Adams	1,198	7.7	7.26-8.14	639	9.2	8.49-9.91	559	6.4	5.87-6.93
Allegheny	14,561	8.2	8.07-8.33	7,134	9.8	9.57-10.03	7,427	7.0	6.84-7.16
Armstrong	939	9.0	8.42-9.58	494	10.8	9.85-11.75	445	7.5	6.80-8.20
Beaver	2,396	9.2	8.83-9.57	1,218	11.3	10.67-11.93	1,178	7.6	7.17-8.03
Bedford	635	8.2	7.56-8.84	354	10.1	9.05-11.15	281	6.7	5.92-7.48
Berks	4,421	7.7	7.47-7.93	2,324	9.5	9.11-9.89	2,097	6.3	6.03-6.57
Blair	1,756	9.9	9.44-10.36	931	12.5	11.70-13.30	825	7.7	7.17-8.23
Bradford	820	8.9	8.29-9.51	416	9.8	8.86-10.74	404	8.1	7.31-8.89
Bucks	6,943	7.3	7.13-7.47	3,524	8.7	8.41-8.99	3,419	6.1	5.90-6.30
Butler	2,291	8.1	7.77-8.43	1,162	9.5	8.95-10.05	1,129	6.9	6.50-7.30
Cambria	1,988	9.4	8.99-9.81	1,009	11.4	10.70-12.10	979	7.9	7.41-8.39
Cameron	86	10.1	7.97-12.23	49	14.8	10.66-18.94	37	7.5	5.08-9.92
Carbon	931	9.6	8.98-10.22	486	11.2	10.20-12.20	445	8.1	7.35-8.85
Centre	1,136	6.2	5.84-6.56	589	7.2	6.62-7.78	547	5.2	4.76-5.64
Chester	4,455	6.4	6.21-6.59	2,269	7.6	7.29-7.91	2,186	5.4	5.17-5.63
Clarion	525	9.8	8.96-10.64	281	11.7	10.33-13.07	244	8.1	7.08-9.12
Clearfield	1,118	9.2	8.66-9.74	584	10.9	10.02-11.78	534	7.9	7.23-8.57
Clinton	468	8.8	8.00-9.60	262	10.8	9.49-12.11	206	7.1	6.13-8.07
Columbia	797	8.8	8.19-9.41	424	11.0	9.95-12.05	373	7.2	6.47-7.93
Crawford	1,102	8.9	8.37-9.43	578	10.2	9.37-11.03	524	7.6	6.95-8.25
Cumberland	2,715	7.3	7.03-7.57	1,355	8.6	8.14-9.06	1,360	6.2	5.87-6.53
Dauphin	3,019	8.2	7.91-8.49	1,519	9.7	9.21-10.19	1,500	6.9	6.55-7.25
Delaware	5,687	7.7	7.50-7.90	2,799	9.2	8.86-9.54	2,888	6.5	6.26-6.74
Elk	419	8.3	7.51-9.09	208	9.3	8.04-10.56	211	7.2	6.23-8.17
Erie	3,270	9.0	8.69-9.31	1,709	10.8	10.29-11.31	1,561	7.5	7.13-7.87
Fayette	2,057	10.7	10.24-11.16	1,088	13.0	12.23-13.77	969	8.9	8.34-9.46
Forest	95	9.7	7.75-11.65	58	12.3	9.13-15.47	37	8.0	5.42-10.58
Franklin	1,891	8.2	7.83-8.57	957	9.6	8.99-10.21	934	7.2	6.74-7.66
Fulton	197	9.0	7.74-10.26	100	10.0	8.04-11.96	97	8.0	6.41-9.59
Greene	502	10.4	9.49-11.31	250	11.8	10.34-13.26	252	9.5	8.33-10.67
Huntingdon	534	8.1	7.41-8.79	285	9.5	8.40-10.60	249	6.7	5.87-7.53
Indiana	1,053	9.4	8.83-9.97	537	11.1	10.16-12.04	516	7.9	7.22-8.58
Jefferson	625	9.4	8.66-10.14	302	10.3	9.14-11.46	323	8.4	7.48-9.32
Juniata	310	9.2	8.18-10.22	165	11.0	9.32-12.68	145	7.9	6.61-9.19
Lackawanna	2,846	9.1	8.77-9.43	1,479	11.6	11.01-12.19	1,367	7.1	6.72-7.48
Lancaster	5,868	7.2	7.02-7.38	2,958	8.6	8.29-8.91	2,910	6.1	5.88-6.32
Lawrence	1,293	9.9	9.36-10.44	684	12.1	11.18-13.02	629	8.1	7.47-8.73
Lebanon	1,747	8.1	7.72-8.48	886	10.0	9.34-10.66	861	6.6	6.16-7.04
Lehigh	3,701	7.7	7.45-7.95	1,868	9.3	8.88-9.72	1,832	6.4	6.11-6.69
Luzerne	4,342	9.3	9.02-9.58	2,156	11.0	10.54-11.46	2,185	8.0	7.66-8.34
Lycoming	1,412	8.6	8.15-9.05	690	10.0	9.25-10.75	722	7.6	7.05-8.15
McKean	607	10.4	9.57-11.23	335	13.0	11.61-14.39	272	8.2	7.23-9.17
Mercer	1,590	9.1	8.65-9.55	773	10.6	9.85-11.35	817	8.0	7.45-8.55
Mifflin	620	8.8	8.11-9.49	296	9.8	8.68-10.92	324	8.0	7.13-8.87
Monroe	1,818	8.4	8.01-8.79	983	9.8	9.19-10.41	835	7.1	6.62-7.58
Montgomery	8,341	6.8	6.65-6.95	4,040	8.1	7.85-8.35	4,301	5.8	5.63-5.97
Montour	231	7.5	6.53-8.47	104	8.8	7.11-10.49	127	6.6	5.45-7.75
Northampton	3,429	7.2	6.96-7.44	1,725	8.7	8.29-9.11	1,704	6.0	5.72-6.28
Northumberland	1,191	8.6	8.11-9.09	586	9.7	8.91-10.49	605	7.6	6.99-8.21
Perry	490	7.9	7.20-8.60	252	9.7	8.50-10.90	238	6.8	5.94-7.66
Philadelphia	15,646	9.2	9.06-9.34	8,289	11.7	11.45-11.95	7,355	7.3	7.13-7.47
Pike	647	6.7	6.18-7.22	361	7.9	7.09-8.71	286	5.6	4.95-6.25
Potter	230	8.1	7.05-9.15	120	9.4	7.72-11.08	110	6.5	5.29-7.71
Schuylkill	2,039	9.6	9.18-10.02	1,040	11.5	10.80-12.20	999	8.0	7.50-8.50
Snyder	414	6.8	6.14-7.46	210	8.0	6.92-9.08	204	5.9	5.09-6.71
Somerset	1,080	8.9	8.37-9.43	542	10.0	9.16-10.84	538	7.9	7.23-8.57
Sullivan	82	6.8	5.33-8.27	48	9.4	6.74-12.06	34	4.8	3.19-6.41
Susquehanna	557	8.8	8.07-9.53	299	10.0	8.87-11.13	258	7.5	6.58-8.42
Tioga	543	8.3	7.60-9.00	292	9.2	8.14-10.26	251	7.3	6.40-8.20
Union	414	6.3	5.69-6.91	192	7.3	6.27-8.33	222	5.4	4.69-6.11
Venango	766	9.4	8.73-10.07	377	10.5	9.44-11.56	389	8.5	7.66-9.34
Warren	578	9.1	8.36-9.84	305	10.6	9.41-11.79	273	7.7	6.79-8.61
Washington	2,748	8.7	8.37-9.03	1,379	10.3	9.76-10.84	1,369	7.3	6.91-7.69
Wayne	716	8.5	7.88-9.12	392	9.7	8.74-10.66	324	7.3	6.51-8.09
Westmoreland	4,999	8.7	8.46-8.94	2,554	10.4	10.00-10.80	2,445	7.2	6.91-7.49
Wyoming	381	9.8	8.82-10.78	194	11.4	9.80-13.00	187	8.4	7.20-9.60
York	4,818	7.7	7.48-7.92	2,454	9.0	8.64-9.36	2,364	6.6	6.33-6.87

*Total includes any unknown sex.

Notes: Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 1,000. Unknowns excluded from calculations.

CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.

Table C-27
Number of Deaths, Average Annual Age-Adjusted Death Rates and 95% Confidence Intervals
By Sex and County, Pennsylvania Residents, 2018-2022

County	Total*			Male			Female		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)	Number	Rate	CI (95%)
Pennsylvania	726,709	8.2	8.18-8.22	368,234	9.8	9.77-9.83	358,463	6.9	6.88-6.92
Adams	5,777	7.5	7.31-7.69	3,006	8.9	8.58-9.22	2,771	6.4	6.16-6.64
Allegheny	72,465	8.2	8.14-8.26	35,700	10.0	9.90-10.10	36,765	6.9	6.83-6.97
Armstrong	4,615	9.0	8.74-9.26	2,456	10.9	10.47-11.33	2,159	7.3	6.99-7.61
Beaver	11,709	9.0	8.84-9.16	5,897	11.0	10.72-11.28	5,812	7.5	7.31-7.69
Bedford	3,249	8.4	8.11-8.69	1,716	9.9	9.43-10.37	1,533	7.0	6.65-7.35
Berks	21,867	7.8	7.70-7.90	11,258	9.4	9.23-9.57	10,609	6.5	6.38-6.62
Blair	8,739	9.5	9.30-9.70	4,457	11.7	11.36-12.04	4,282	7.7	7.47-7.93
Bradford	3,818	8.3	8.04-8.56	1,984	9.4	8.99-9.81	1,834	7.3	6.97-7.63
Bucks	33,509	7.3	7.22-7.38	16,935	8.7	8.57-8.83	16,574	6.2	6.11-6.29
Butler	11,152	8.1	7.95-8.25	5,548	9.5	9.25-9.75	5,604	7.0	6.82-7.18
Cambria	9,949	9.4	9.22-9.58	4,922	11.2	10.89-11.51	5,027	7.9	7.68-8.12
Cameron	369	8.7	7.81-9.59	190	10.8	9.26-12.34	179	7.1	6.06-8.14
Carbon	4,439	9.4	9.12-9.68	2,346	11.2	10.75-11.65	2,093	7.7	7.37-8.03
Centre	5,595	6.2	6.04-6.36	2,775	7.0	6.74-7.26	2,820	5.6	5.39-5.81
Chester	21,757	6.5	6.41-6.59	10,938	7.7	7.56-7.84	10,819	5.6	5.49-5.71
Clarion	2,516	9.3	8.94-9.66	1,294	10.8	10.21-11.39	1,222	8.1	7.65-8.55
Clearfield	5,351	8.9	8.66-9.14	2,714	10.2	9.82-10.58	2,637	7.8	7.50-8.10
Clinton	2,299	8.8	8.44-9.16	1,189	10.2	9.62-10.78	1,110	7.5	7.06-7.94
Columbia	3,887	8.5	8.23-8.77	1,990	10.2	9.75-10.65	1,897	7.1	6.78-7.42
Crawford	5,497	9.2	8.96-9.44	2,839	10.5	10.11-10.89	2,658	7.9	7.60-8.20
Cumberland	13,095	7.3	7.17-7.43	6,452	8.6	8.39-8.81	6,643	6.3	6.15-6.45
Dauphin	14,366	8.1	7.97-8.23	7,343	9.7	9.48-9.92	7,023	6.7	6.54-6.86
Delaware	29,305	8.0	7.91-8.09	14,417	9.6	9.44-9.76	14,886	6.7	6.59-6.81
Elk	2,017	8.2	7.84-8.56	1,045	9.9	9.30-10.50	972	6.7	6.28-7.12
Erie	15,792	8.7	8.56-8.84	8,128	10.4	10.17-10.63	7,664	7.3	7.14-7.46
Fayette	9,978	10.3	10.10-10.50	5,230	12.6	12.26-12.94	4,748	8.4	8.16-8.64
Forest	484	9.2	8.38-10.02	277	9.7	8.56-10.84	207	8.8	7.60-10.00
Franklin	9,097	8.0	7.84-8.16	4,687	9.6	9.33-9.87	4,410	6.7	6.50-6.90
Fulton	924	8.8	8.23-9.37	482	9.8	8.93-10.67	442	7.8	7.07-8.53
Greene	2,458	10.1	9.70-10.50	1,254	11.5	10.86-12.14	1,204	9.0	8.49-9.51
Huntingdon	2,695	8.2	7.89-8.51	1,439	9.5	9.01-9.99	1,256	7.0	6.61-7.39
Indiana	5,079	8.9	8.66-9.14	2,615	10.6	10.19-11.01	2,463	7.4	7.11-7.69
Jefferson	3,031	9.0	8.68-9.32	1,508	10.3	9.78-10.82	1,523	7.9	7.50-8.30
Juniata	1,505	8.5	8.07-8.93	768	9.6	8.92-10.28	737	7.4	6.87-7.93
Lackawanna	14,101	9.0	8.85-9.15	7,086	11.1	10.84-11.36	7,015	7.3	7.13-7.47
Lancaster	28,132	7.2	7.12-7.28	14,135	8.5	8.36-8.64	13,996	6.1	6.00-6.20
Lawrence	6,482	9.6	9.37-9.83	3,235	11.6	11.20-12.00	3,247	8.0	7.72-8.28
Lebanon	8,552	8.2	8.03-8.37	4,377	10.0	9.70-10.30	4,175	6.7	6.50-6.90
Lehigh	18,686	7.8	7.69-7.91	9,321	9.4	9.21-9.59	9,364	6.6	6.47-6.73
Luzerne	22,091	9.4	9.28-9.52	11,083	11.4	11.19-11.61	11,007	7.8	7.65-7.95
Lycoming	7,146	8.8	8.60-9.00	3,620	10.4	10.06-10.74	3,526	7.5	7.25-7.75
McKean	2,872	9.8	9.44-10.16	1,452	11.3	10.72-11.88	1,420	8.5	8.06-8.94
Mercer	8,073	9.2	9.00-9.40	4,061	11.0	10.66-11.34	4,012	7.8	7.56-8.04
Mifflin	3,183	8.9	8.59-9.21	1,574	10.3	9.79-10.81	1,609	7.8	7.42-8.18
Monroe	8,549	8.2	8.03-8.37	4,633	9.6	9.32-9.88	3,915	6.9	6.68-7.12
Montgomery	41,370	6.9	6.83-6.97	20,090	8.3	8.19-8.41	21,280	5.9	5.82-5.98
Montour	1,184	7.8	7.36-8.24	558	9.8	8.99-10.61	626	6.5	5.99-7.01
Northampton	16,770	7.3	7.19-7.41	8,427	8.8	8.61-8.99	8,343	6.1	5.97-6.23
Northumberland	6,409	9.1	8.88-9.32	3,208	10.6	10.23-10.97	3,201	7.8	7.53-8.07
Perry	2,518	8.5	8.17-8.83	1,341	10.4	9.84-10.96	1,177	7.1	6.69-7.51
Philadelphia	78,728	9.3	9.24-9.36	40,954	11.6	11.49-11.71	37,772	7.4	7.33-7.47
Pike	3,026	6.8	6.56-7.04	1,673	7.9	7.52-8.28	1,353	5.7	5.40-6.00
Potter	1,177	8.5	8.01-8.99	644	10.5	9.69-11.31	533	6.7	6.13-7.27
Schuylkill	10,297	9.8	9.61-9.99	5,278	11.7	11.38-12.02	5,018	8.1	7.88-8.32
Snyder	2,050	7.0	6.70-7.30	1,040	8.3	7.80-8.80	1,009	6.0	5.63-6.37
Somerset	5,298	8.8	8.56-9.04	2,707	10.2	9.82-10.58	2,591	7.5	7.21-7.79
Sullivan	521	8.9	8.14-9.66	305	11.6	10.30-12.90	216	6.5	5.63-7.37
Susquehanna	2,687	8.4	8.08-8.72	1,421	9.7	9.20-10.20	1,266	7.1	6.71-7.49
Tioga	2,611	8.3	7.98-8.62	1,359	9.2	8.71-9.69	1,252	7.4	6.99-7.81
Union	2,103	6.5	6.22-6.78	1,033	7.8	7.32-8.28	1,070	5.6	5.26-5.94
Venango	3,681	9.1	8.81-9.39	1,913	10.9	10.41-11.39	1,768	7.6	7.25-7.95
Warren	2,834	8.9	8.57-9.23	1,482	10.2	9.68-10.72	1,352	7.6	7.19-8.01
Washington	13,661	8.9	8.75-9.05	6,974	10.7	10.45-10.95	6,687	7.4	7.22-7.58
Wayne	3,494	8.5	8.22-8.78	1,914	9.9	9.46-10.34	1,580	7.3	6.94-7.66
Westmoreland	24,620	8.6	8.49-8.71	12,359	10.2	10.02-10.38	12,260	7.2	7.07-7.33
Wyoming	1,827	9.6	9.16-10.04	992	11.5	10.78-12.22	835	7.9	7.36-8.44
York	23,591	8.0	7.90-8.10	12,186	9.5	9.33-9.67	11,405	6.7	6.58-6.82

*Total includes any unknown sex.

Notes: Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 1,000. Unknowns excluded from calculations.

CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.

Table C-28
Number of Deaths, Average Annual Age-Adjusted Premature Mortality Rates and 95% Confidence Intervals
By Sex and County, Pennsylvania Residents <75 Years, 2018-2022

County	Total*			Male			Female		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)	Number	Rate	CI (95%)
Pennsylvania	304,578	380.2	378.9-381.6	184,342	476.3	474.1-478.5	120,230	287.6	286.0-289.2
Adams	2,179	305.9	293.1-318.7	1,337	383.3	362.8-403.9	842	230.9	215.3-246.5
Allegheny	29,586	383.2	378.8-387.6	17,704	481.1	474.0-488.2	11,882	291.5	286.3-296.7
Armstrong	1,991	439.3	420.0-458.6	1,234	547.1	516.6-577.6	757	328.5	305.1-351.9
Beaver	4,857	433.6	421.4-445.8	2,926	542.6	522.9-562.3	1,931	328.6	313.9-343.3
Bedford	1,343	419.1	396.7-441.5	808	506.3	471.4-541.2	535	330.2	302.2-358.2
Berks	8,820	342.8	335.7-350.0	5,391	429.8	418.3-441.3	3,429	257.8	249.2-266.4
Blair	3,523	442.8	428.2-457.4	2,156	564.2	540.4-588.0	1,367	324.7	307.5-341.9
Bradford	1,575	384.1	365.1-403.1	917	455.9	426.4-485.4	658	312.7	288.8-336.6
Bucks	12,750	304.3	299.0-309.6	7,746	380.9	372.4-389.4	5,004	229.8	223.4-236.2
Butler	4,236	333.1	323.1-343.1	2,575	412.4	396.5-428.3	1,661	253.9	241.7-266.1
Cambria	4,086	466.2	451.9-480.5	2,459	572.2	549.6-594.8	1,627	359.2	341.8-376.7
Cameron	159	448.9	379.1-518.7	87	519.1	410.0-628.2	72	371.3	285.5-457.1
Carbon	1,986	456.9	436.8-477.0	1,225	569.8	537.9-601.7	761	340.7	316.5-364.9
Centre	1,956	227.1	217.0-237.2	1,196	270.5	255.2-285.8	760	181.7	168.8-194.6
Chester	7,831	240.7	235.4-246.0	4,787	303.6	295.0-312.2	3,044	179.3	172.9-185.7
Clarion	1,060	437.2	410.9-463.5	637	526.6	485.7-567.5	423	348.8	315.6-382.0
Clearfield	2,188	411.2	394.0-428.4	1,305	473.3	447.6-499.0	883	344.5	321.8-367.2
Clinton	955	408.0	382.1-433.9	559	489.5	448.9-530.1	396	327.5	295.2-359.8
Columbia	1,601	391.9	372.7-411.1	962	487.4	456.6-518.2	639	300.1	276.8-323.4
Crawford	2,356	419.3	402.4-436.2	1,389	509.9	483.1-536.7	967	332.1	311.2-353.0
Cumberland	4,769	295.3	286.9-303.7	2,870	363.7	350.4-377.0	1,899	228.9	218.6-239.2
Dauphin	6,658	387.8	378.5-397.1	4,048	493.6	478.4-508.8	2,610	289.4	278.3-300.5
Delaware	12,243	361.2	354.8-367.6	7,322	458.7	448.2-469.2	4,920	271.8	264.2-279.4
Elk	778	378.6	352.0-405.2	505	491.4	448.5-534.3	273	259.5	228.7-290.3
Erie	6,910	411.4	401.7-421.1	4,203	510.4	495.0-525.8	2,707	314.5	302.7-326.4
Fayette	4,719	546.2	530.6-561.8	2,887	680.7	655.9-705.5	1,832	411.2	392.4-430.0
Forest	239	484.1	422.7-545.5	152	549.1	461.8-636.4	87	443.0	349.9-536.1
Franklin	3,586	359.8	348.0-371.6	2,108	435.8	417.2-454.4	1,478	286.9	272.3-301.5
Fulton	394	404.7	364.7-444.7	226	477.0	414.8-539.2	168	329.1	279.3-378.9
Greene	1,187	495.2	467.0-523.4	693	561.8	520.0-603.6	494	424.6	387.2-462.0
Huntingdon	1,104	376.2	354.0-398.4	695	451.6	418.0-485.2	409	291.6	263.3-319.9
Indiana	2,094	420.4	402.4-438.4	1,304	521.8	493.5-550.1	790	316.1	294.1-338.1
Jefferson	1,230	416.2	392.9-439.5	713	490.0	454.0-526.0	517	340.7	311.3-370.1
Juniata	589	382.6	351.7-413.5	361	458.1	410.8-505.4	228	304.6	265.1-344.1
Lackawanna	5,866	437.4	426.2-448.6	3,613	559.6	541.4-577.9	2,253	320.0	306.8-333.2
Lancaster	10,049	309.0	303.0-315.0	5,995	381.2	371.6-390.9	4,054	240.1	232.7-247.5
Lawrence	2,752	495.9	477.4-514.4	1,627	619.0	588.9-649.1	1,125	376.4	354.4-398.4
Lebanon	3,114	352.2	339.8-364.6	1,898	440.9	421.1-460.7	1,216	265.1	250.2-280.0
Lehigh	7,238	330.6	323.0-338.2	4,431	419.8	407.4-432.2	2,807	245.8	236.7-254.9
Luzerne	9,427	463.6	454.2-473.0	5,741	577.7	562.8-592.6	3,685	349.6	338.3-360.9
Lycoming	2,960	405.0	390.4-419.6	1,734	476.6	454.2-499.0	1,226	335.4	316.6-354.2
McKean	1,235	460.0	434.4-485.7	717	530.3	491.5-569.1	518	385.6	352.4-418.8
Mercer	3,285	457.5	441.9-473.2	1,932	540.4	516.3-564.5	1,353	376.4	356.3-396.5
Mifflin	1,236	423.2	399.6-446.8	689	479.4	443.6-515.2	547	370.3	339.3-401.3
Monroe	4,174	379.4	367.9-390.9	2,593	473.8	455.6-492.0	1,580	285.3	271.2-299.4
Montgomery	14,529	274.8	270.3-279.3	8,688	343.8	336.6-351.0	5,841	209.5	204.1-214.9
Montour	430	363.7	329.3-398.1	248	440.1	385.3-494.9	182	290.7	248.5-332.9
Northampton	6,289	317.2	309.4-325.0	3,840	400.7	388.0-413.4	2,449	236.6	227.2-246.0
Northumberland	2,656	439.0	422.3-455.7	1,602	531.2	505.2-557.2	1,054	345.1	324.3-365.9
Perry	1,157	380.6	358.7-402.5	696	451.3	417.8-484.8	461	307.0	279.0-335.0
Philadelphia	43,833	522.8	517.9-527.7	26,656	694.1	685.8-702.4	17,175	374.6	369.0-380.2
Pike	1,441	344.9	327.1-362.7	880	426.3	398.1-454.5	561	260.2	238.7-281.7
Potter	485	401.4	365.7-437.1	302	503.4	446.6-560.2	183	296.9	253.9-339.9
Schuylkill	4,478	478.2	464.2-492.2	2,771	586.0	564.2-607.8	1,707	363.9	346.6-381.2
Snyder	799	312.9	291.2-334.6	465	365.9	332.6-399.2	334	260.3	232.4-288.2
Somerset	2,093	409.6	392.1-427.2	1,298	487.0	460.5-513.5	795	323.9	301.4-346.4
Sullivan	197	386.8	332.8-440.8	124	489.3	403.2-575.4	73	277.0	213.5-340.5
Susquehanna	1,132	388.2	365.6-410.8	694	472.5	437.4-507.7	438	300.7	272.5-328.9
Tioga	1,018	375.5	352.4-398.6	607	450.2	414.4-486.0	411	300.8	271.7-329.9
Union	662	253.6	234.3-272.9	418	313.1	283.1-343.1	244	188.9	165.2-212.6
Venango	1,647	457.5	435.4-479.6	1,011	561.5	526.9-596.1	636	353.5	326.0-381.0
Warren	1,121	401.5	378.0-425.0	692	490.1	453.6-526.6	429	311.5	282.0-341.0
Washington	5,782	417.3	406.5-428.1	3,534	526.2	508.9-543.6	2,248	310.3	297.5-323.1
Wayne	1,498	394.8	374.8-414.8	960	477.2	447.0-507.4	538	303.9	278.2-329.6
Westmoreland	9,593	390.8	383.0-398.6	5,801	485.9	473.4-498.4	3,791	297.6	288.1-307.1
Wyoming	814	452.5	421.4-483.6	510	576.1	526.1-626.1	304	326.3	289.6-363.0
York	10,050	356.0	349.0-363.0	6,088	445.6	434.4-456.8	3,962	268.2	259.9-276.6

*Total includes any unknown sex.

Notes: Age-adjusted rates are per 100,000 and are computed by the direct method using the 2000 U.S. standard million population.

CI = 95% confidence interval based on a formula for estimating the standard error or SE.

See Technical Notes for further explanation, as well as a definition of Premature Mortality Rates (PMR).

Table C-29
**Average Annual Age-Adjusted Death Rates* and 95% Confidence Intervals for Selected Causes of Death
by County, Pennsylvania Residents, 2018-2022**

County	Diseases of Heart		Cancer (Malignant Neoplasms)		Cerebrovascular Disease		Chronic Lower Respiratory Disease		Accidents	
	Rate	CI (95%)	Rate	CI (95%)	Rate	CI (95%)	Rate	CI (95%)	Rate	CI (95%)
Pennsylvania	176.4	175.5-177.3	152.9	152.1-153.7	36.5	36.1-36.9	32.8	32.4-33.2	66.6	66.0-67.2
Adams	175.9	166.7-185.1	138.8	130.6-147.0	28.7	25.0-32.4	30.5	26.7-34.3	50.9	45.2-56.6
Allegheny	191.5	188.7-194.3	154.7	152.1-157.3	34.0	32.8-35.2	33.7	32.5-34.9	74.2	72.2-76.2
Armstrong	181.4	170.1-192.7	162.3	151.6-173.0	35.3	30.3-40.3	45.2	39.6-50.8	85.8	76.2-95.4
Beaver	205.9	198.3-213.5	158.7	152.0-165.4	37.5	34.3-40.7	37.6	34.4-40.8	69.0	63.6-74.4
Bedford	172.7	160.1-185.4	140.0	128.5-151.5	36.7	30.9-42.5	32.9	27.4-38.4	75.3	64.7-86.0
Berks	168.9	164.2-173.6	148.8	144.3-153.3	42.5	40.1-44.9	28.0	26.1-29.9	58.6	55.5-61.7
Blair	220.4	211.1-229.7	163.1	154.9-171.3	34.2	30.5-37.9	38.7	34.8-42.6	69.0	62.6-75.4
Bradford	186.6	174.4-198.8	148.5	137.6-159.4	27.6	22.9-32.3	45.9	40.0-51.8	63.4	55.0-71.8
Bucks	136.7	133.4-140.0	143.6	140.2-147.0	34.0	32.3-35.7	28.6	27.1-30.1	58.8	56.2-61.4
Butler	171.8	165.0-178.6	153.1	146.6-159.6	36.6	33.5-39.7	37.0	33.8-40.2	62.3	57.5-67.1
Cambria	183.6	175.7-191.5	165.3	157.7-172.9	32.8	29.4-36.2	37.7	34.1-41.3	103.4	95.9-110.9
Cameron	186.9	146.5-227.4	170.5	132.4-208.6	ND	ND	ND	ND	ND	ND
Carbon	186.7	174.8-198.6	161.5	150.5-172.5	35.1	29.8-40.4	32.3	27.4-37.2	104.4	93.6-115.2
Centre	151.4	143.4-159.4	123.0	115.8-130.2	32.5	28.8-36.2	23.3	20.2-26.4	33.6	29.6-37.6
Chester	142.4	138.4-146.4	129.6	125.8-133.4	38.9	36.8-41.0	24.9	23.2-26.6	45.0	42.5-47.5
Clarion	201.6	184.9-218.3	176.2	160.5-191.9	39.4	32.0-46.8	35.1	28.3-41.9	66.9	55.9-77.9
Clearfield	187.3	176.6-198.0	165.2	155.1-175.3	32.1	27.7-36.5	42.4	37.3-47.5	67.8	60.2-75.4
Clinton	204.1	187.1-221.1	152.0	137.3-166.7	24.7	18.7-30.7	48.8	40.7-56.9	52.0	42.4-61.6
Columbia	173.7	161.9-185.5	162.5	151.0-174.0	33.4	28.2-38.6	39.0	33.4-44.6	62.7	54.4-71.0
Crawford	199.9	188.8-211.0	161.4	151.6-171.2	47.3	41.9-52.7	43.5	38.5-48.6	73.7	65.7-81.7
Cumberland	168.0	162.1-173.9	138.8	133.4-144.2	32.4	29.8-35.0	27.3	24.9-29.7	39.3	36.1-42.5
Dauphin	171.2	165.2-177.2	149.8	144.2-155.4	31.3	28.7-33.9	31.2	28.7-33.8	63.7	59.7-67.8
Delaware	167.4	163.3-171.5	149.1	145.2-153.0	42.8	40.7-44.9	31.8	30.0-33.6	55.0	52.4-57.7
Elk	165.2	149.7-180.7	163.0	147.4-178.6	25.7	19.6-31.8	40.2	32.6-47.8	86.2	72.3-100.1
Erie	168.2	162.3-174.1	161.9	156.2-167.7	34.8	32.1-37.5	37.1	34.4-39.8	60.5	56.5-64.5
Fayette	240.7	231.2-250.2	174.8	166.7-182.9	32.1	28.6-35.6	53.5	49.1-58.0	97.5	90.2-104.8
Forest	200.3	162.9-237.7	168.0	134.6-201.4	47.5	29.6-65.4	45.0	28.0-62.0	43.2	25.5-60.9
Franklin	163.7	156.4-171.0	156.6	149.4-163.8	27.5	24.5-30.5	30.0	26.9-33.1	43.0	38.7-47.3
Fulton	201.5	174.8-228.3	163.1	139.9-186.3	38.4	27.1-49.8	33.9	23.3-44.5	67.8	49.4-86.2
Greene	234.4	215.4-253.4	188.2	171.4-205.1	43.6	35.6-51.6	52.0	43.3-60.7	79.0	66.5-91.5
Huntingdon	152.8	139.6-166.0	155.6	142.3-168.9	38.2	31.7-44.7	46.6	39.4-53.8	59.6	49.8-69.4
Indiana	179.7	168.9-190.5	135.8	126.5-145.1	38.2	33.3-43.1	33.1	28.6-37.6	98.0	88.4-107.6
Jefferson	172.2	158.5-185.9	161.1	147.7-174.6	39.9	33.3-46.5	37.3	31.1-43.6	69.3	59.1-79.5

(Continued)

Table C-29
**Average Annual Age-Adjusted Death Rates* and 95% Confidence Intervals for Selected Causes of Death
by County, Pennsylvania Residents, 2018-2022**

County	Diseases of Heart		Cancer (Malignant Neoplasms)		Cerebrovascular Disease		Chronic Lower Respiratory Disease		Accidents	
	Rate	CI (95%)	Rate	CI (95%)	Rate	CI (95%)	Rate	CI (95%)	Rate	CI (95%)
Juniata	187.5	167.8-207.2	160.6	142.1-179.2	34.1	25.7-42.5	34.1	25.7-42.5	54.5	41.9-67.1
Lackawanna	214.8	207.8-221.9	164.5	158.2-170.8	29.7	27.1-32.3	38.8	35.8-41.8	75.2	70.1-80.3
Lancaster	148.4	144.7-152.1	142.6	138.8-146.4	43.7	41.7-45.7	27.8	26.2-29.4	53.4	50.8-56.0
Lawrence	209.5	199.0-220.0	167.8	158.2-177.4	32.5	28.4-36.6	38.9	34.4-43.4	98.0	88.6-107.4
Lebanon	193.6	185.3-201.9	151.0	143.6-158.4	41.4	37.6-45.2	36.8	33.2-40.4	55.3	50.0-60.6
Lehigh	151.3	146.5-156.2	146.3	141.5-151.1	32.1	29.9-34.3	24.5	22.5-26.5	66.8	63.3-70.3
Luzerne	197.3	191.8-202.8	160.6	155.5-165.7	31.4	29.2-33.6	38.8	36.3-41.3	85.8	81.4-90.2
Lycoming	162.6	154.1-171.2	168.8	160.0-177.6	29.5	25.8-33.2	44.5	40.0-49.0	52.6	47.1-58.2
McKean	219.6	202.9-236.4	163.1	148.6-177.6	34.1	27.5-40.7	53.2	45.2-61.2	61.1	50.8-71.5
Mercer	211.1	201.8-220.4	161.9	153.6-170.3	30.6	27.1-34.1	40.9	36.8-45.0	82.5	75.1-89.9
Mifflin	177.6	164.2-191.0	171.1	157.8-184.4	38.0	31.9-44.1	39.6	33.4-45.9	71.3	60.9-81.8
Monroe	186.9	178.7-195.1	155.6	148.4-162.8	30.0	26.7-33.3	35.0	31.5-38.5	70.8	65.1-76.5
Montgomery	150.5	147.5-153.5	134.9	132.0-137.9	43.3	41.7-44.9	22.9	21.7-24.1	45.4	43.5-47.3
Montour	123.0	106.0-140.1	145.5	125.7-165.3	29.2	21.0-37.4	35.1	25.8-44.4	58.0	45.1-70.9
Northampton	152.9	148.0-157.9	151.0	145.9-156.1	26.3	24.3-28.4	27.5	25.4-29.6	54.7	51.3-58.2
Northumberland	205.6	195.3-215.9	164.7	155.4-174.0	33.0	28.9-37.1	37.2	32.8-41.6	80.6	72.9-88.4
Perry	163.0	148.6-177.4	178.1	163.4-192.8	32.4	26.0-38.9	38.0	31.2-44.8	67.4	56.9-77.9
Philadelphia	206.5	203.5-209.5	164.4	161.7-167.1	43.3	41.9-44.7	30.5	29.3-31.7	92.8	90.7-94.9
Pike	140.7	129.8-151.6	134.5	124.3-144.7	22.2	18.0-26.4	32.4	27.4-37.4	73.9	64.1-83.7
Potter	132.6	113.9-151.3	168.7	147.4-190.0	41.6	30.9-52.3	49.6	38.4-60.8	61.5	46.2-76.8
Schuylkill	253.0	243.6-262.4	180.8	172.8-188.8	35.2	31.7-38.7	40.3	36.6-44.0	53.7	48.7-58.7
Snyder	152.1	138.2-166.1	148.7	134.8-162.6	24.6	18.9-30.3	23.3	17.9-28.7	45.9	37.2-54.6
Somerset	187.6	176.9-198.3	151.7	141.9-161.5	36.2	31.6-40.8	34.8	30.3-39.3	69.4	61.4-77.4
Sullivan	157.0	125.4-188.6	178.3	145.1-211.5	ND	ND	41.6	26.2-57.0	53.4	31.6-75.2
Susquehanna	177.0	162.7-191.3	164.6	151.1-178.1	33.1	26.9-39.3	46.7	39.6-53.8	64.8	54.1-75.5
Tioga	173.2	159.0-187.4	163.2	149.4-177.0	30.2	24.3-36.1	46.5	39.3-53.7	55.6	45.6-65.6
Union	136.5	124.1-149.0	129.5	116.8-142.2	22.6	17.6-27.7	21.1	16.0-26.2	39.2	31.7-46.7
Venango	212.5	198.7-226.3	162.3	150.2-174.4	36.8	31.1-42.5	40.6	34.6-46.6	69.3	59.7-79.0
Warren	168.1	154.2-182.0	170.1	156.0-184.2	35.5	29.1-41.9	42.4	35.4-49.4	51.3	42.2-60.4
Washington	169.2	162.9-175.5	166.8	160.5-173.1	39.5	36.4-42.6	37.7	34.7-40.7	80.6	75.3-85.9
Wayne	201.0	187.5-214.5	157.5	145.8-169.2	29.6	24.4-34.8	38.7	33.0-44.4	74.4	64.1-84.7
Westmoreland	185.7	180.9-190.6	156.3	151.8-160.8	35.3	33.2-37.4	40.6	38.4-42.9	77.0	73.1-80.9
Wyoming	216.0	195.4-236.6	182.0	163.6-200.5	31.4	23.5-39.3	40.5	31.9-49.1	85.8	70.3-101.4
York	146.1	141.8-150.4	155.6	151.2-160.0	40.9	38.6-43.2	28.8	26.9-30.7	71.8	68.5-75.1

* Rates based on less than 20 events are considered statistically unreliable and are not displayed (ND).

Notes: Age-adjusted rates are computed by the direct method using the 2000 U.S. standard million population.

Rates are per 100,000. Unknowns excluded from calculations.

CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.

See Table C-34 for corresponding 2018-2022 number of deaths.

Figure C-31

**Average Annual Age-Adjusted Death Rates for Diseases of Heart by County
Pennsylvania Residents, 2018-2022**

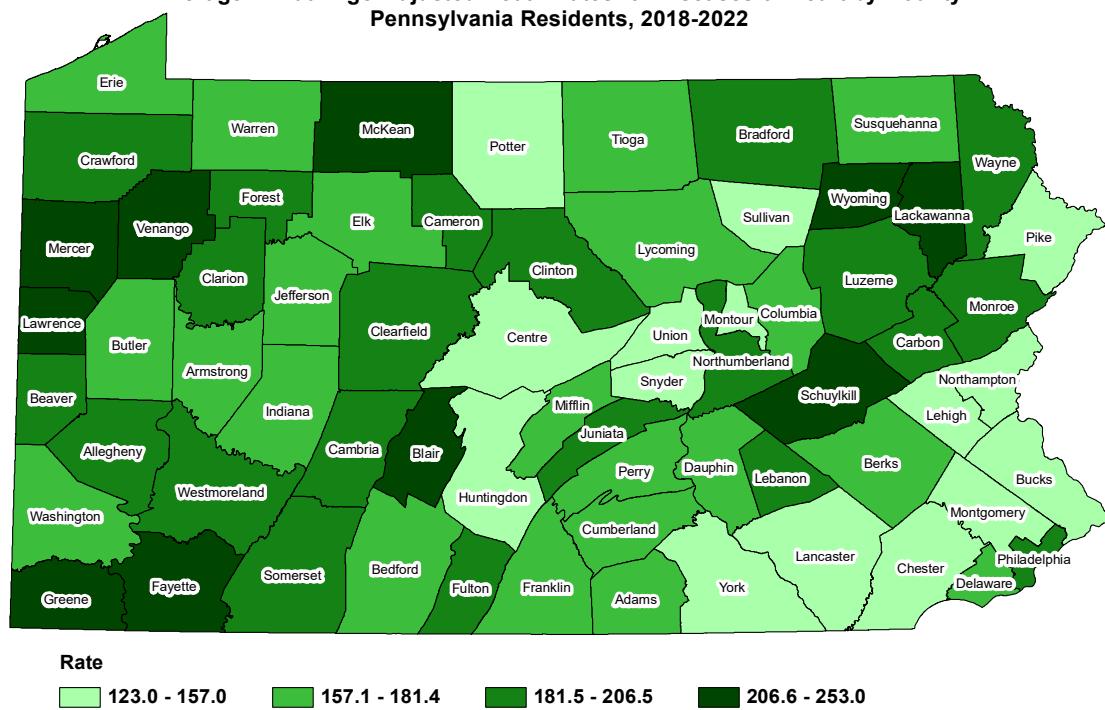
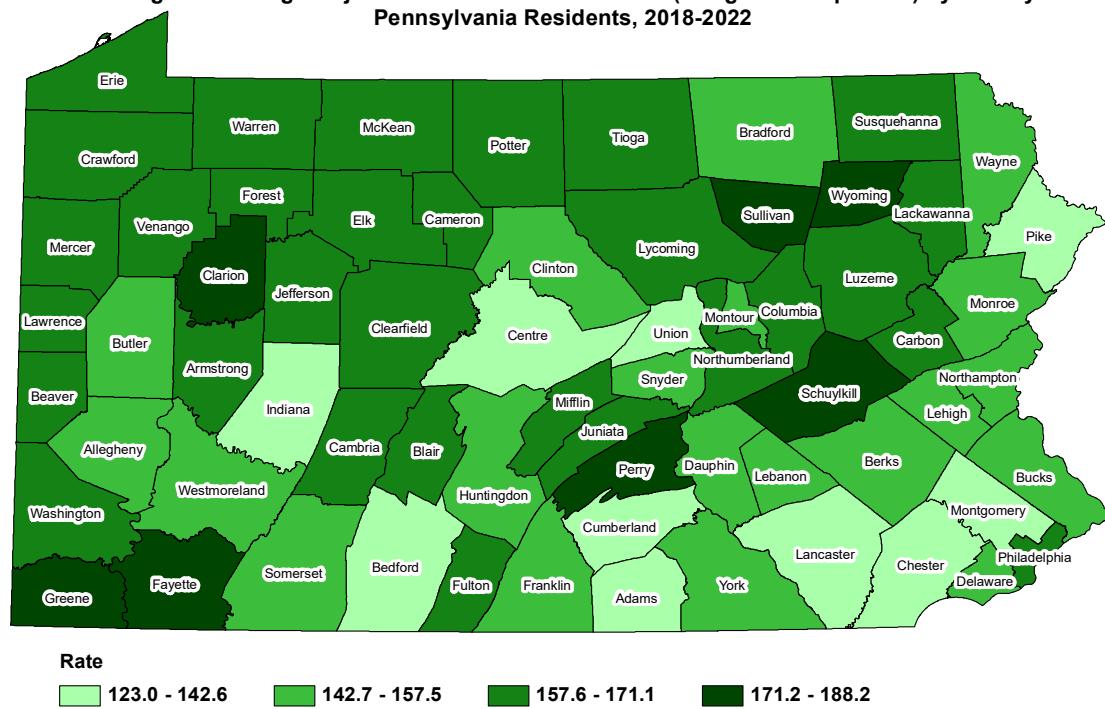


Figure C-32

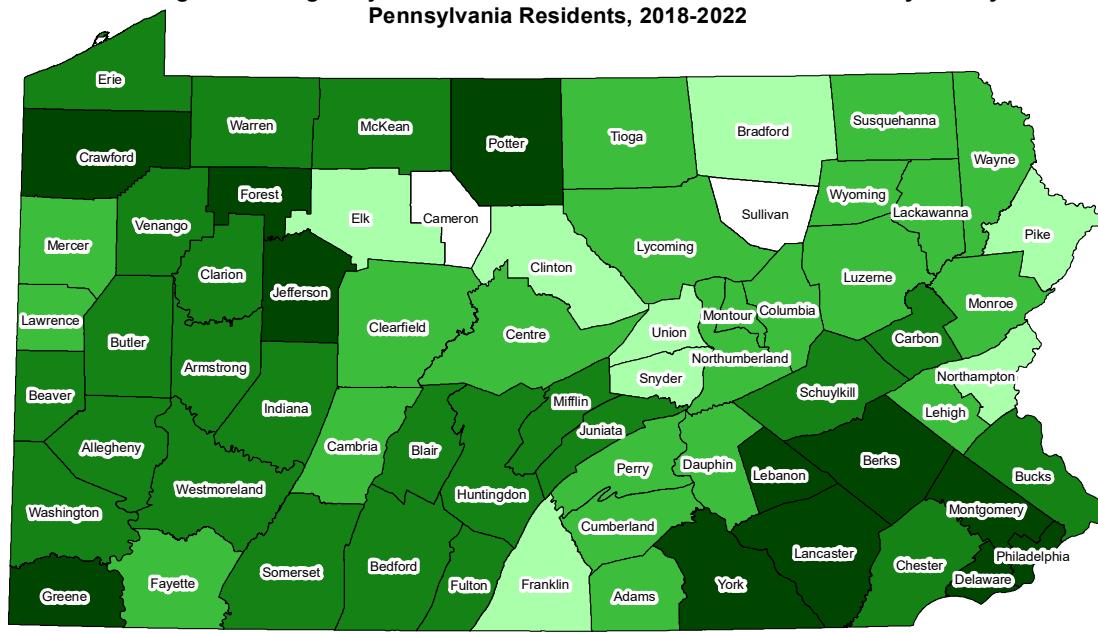
**Average Annual Age-Adjusted Death Rates for Cancer (Malignant Neoplasms) by County
Pennsylvania Residents, 2018-2022**



Note: See table C-29 for county rates and the definition of rate.

Figure C-33

**Average Annual Age-Adjusted Death Rates for Cerebrovascular Disease by County
Pennsylvania Residents, 2018-2022**

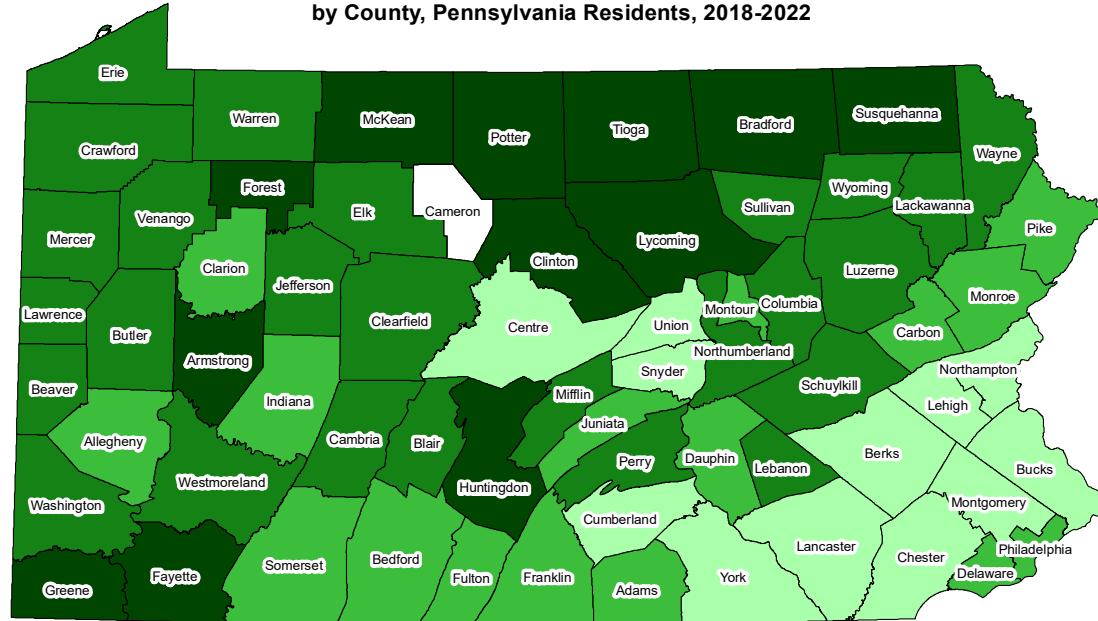


Rate

22.2 - 27.6 27.7 - 33.4 33.5 - 39.5 39.6 - 47.5 Less than 10 events - statistically unreliable

Figure C-34

**Average Annual Age-Adjusted Death Rates for Chronic Lower Respiratory Disease
by County, Pennsylvania Residents, 2018-2022**



Rate

21.1 - 28.8 28.9 - 35.1 35.2 - 43.5 43.6 - 53.5 Less than 10 events - statistically unreliable

Note: See table C-29 for county rates and the definition of rate.

Table C-30
Resident Deaths by Age Group and County
Pennsylvania, 2022

County	Total Deaths*	Age at Death (In Years)												85 & Over
		Under 5	5 - 9	10 - 14	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 - 84		
Pennsylvania	147,124	886	95	129	456	726	2,769	4,170	6,901	17,489	28,920	37,155	47,424	
Adams	1,198	6	0	1	4	2	12	18	48	123	237	352	395	
Allegheny	14,561	77	11	8	44	81	293	414	647	1,654	2,902	3,521	4,907	
Armstrong	939	1	0	0	1	7	16	25	38	112	199	259	281	
Beaver	2,396	13	0	2	9	10	38	54	111	277	503	625	754	
Bedford	635	3	1	0	1	2	4	17	35	66	126	183	197	
Berks	4,421	34	5	2	12	21	76	108	180	502	871	1,141	1,469	
Blair	1,756	9	1	3	6	6	22	54	89	200	330	480	556	
Bradford	820	3	0	0	4	3	9	20	26	110	182	232	231	
Bucks	6,943	22	3	4	15	21	97	165	288	727	1,280	1,827	2,494	
Butler	2,291	5	2	1	3	5	27	67	116	217	438	625	785	
Cambria	1,988	9	2	0	7	7	37	48	92	229	422	477	658	
Cameron	86	0	0	1	0	0	0	1	3	13	19	21	28	
Carbon	931	4	0	0	2	4	19	33	43	121	197	256	252	
Centre	1,136	8	0	2	3	3	8	27	42	109	206	270	458	
Chester	4,455	26	1	2	12	20	66	120	162	436	772	1,184	1,654	
Clarion	525	3	0	1	2	4	14	7	21	70	109	138	156	
Clearfield	1,118	3	2	1	2	5	12	21	44	119	247	294	368	
Clinton	468	1	0	1	1	2	7	8	22	64	106	115	141	
Columbia	797	8	1	0	1	4	15	14	47	100	153	206	248	
Crawford	1,102	5	1	2	0	5	17	28	46	133	238	290	337	
Cumberland	2,715	15	0	0	5	11	31	57	105	272	471	738	1,010	
Dauphin	3,019	18	0	6	11	13	64	105	166	376	653	723	884	
Delaware	5,687	50	3	8	17	37	97	156	241	691	1,081	1,339	1,967	
Elk	419	0	0	1	2	1	6	7	20	47	65	127	143	
Erie	3,270	21	2	3	10	12	66	109	169	435	697	766	980	
Fayette	2,057	6	0	2	4	9	48	55	129	286	489	457	572	
Forest	95	2	0	0	0	0	0	1	3	17	28	24	20	
Franklin	1,891	18	2	2	4	5	26	41	87	199	361	536	610	
Fulton	197	0	0	0	0	0	3	5	6	34	35	59	55	
Greene	502	1	0	0	0	2	9	12	24	78	114	135	127	
Huntingdon	534	1	0	0	3	3	10	13	29	48	106	154	167	
Indiana	1,053	7	1	1	2	6	22	38	39	119	192	292	334	
Jefferson	625	5	0	0	1	2	6	18	29	73	122	170	199	

(Continued)

Table C-30
Resident Deaths by Age Group and County
Pennsylvania, 2022

	Total Deaths*	Age at Death (In Years)												85 & Over
		Under 5	5 - 9	10 - 14	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 - 84	85 & Over	
Juniata	310	3	0	0	0	3	8	9	16	27	63	87	94	
Lackawanna	2,846	14	1	1	5	4	58	92	132	331	547	735	926	
Lancaster	5,868	61	2	7	14	20	100	111	248	572	991	1,525	2,217	
Lawrence	1,293	5	0	1	1	5	35	56	69	160	285	293	383	
Lebanon	1,747	8	0	2	6	10	30	38	54	174	304	464	657	
Lehigh	3,701	28	3	4	10	16	58	99	156	415	665	908	1,339	
Luzerne	4,342	24	2	5	11	32	78	126	218	534	832	1,140	1,340	
Lycoming	1,412	11	5	0	3	7	26	33	54	188	273	355	457	
McKean	607	2	0	0	1	3	12	16	27	73	136	149	188	
Mercer	1,590	11	1	0	3	1	31	50	63	199	323	384	524	
Mifflin	620	7	0	2	1	1	9	12	31	80	114	184	179	
Monroe	1,818	12	4	1	7	9	30	54	101	264	397	486	453	
Montgomery	8,341	39	6	9	22	31	117	195	279	835	1,423	2,084	3,300	
Montour	231	3	0	1	0	1	4	4	4	20	41	47	106	
Northampton	3,429	17	1	2	13	9	49	79	130	376	620	895	1,238	
Northumberland	1,191	4	0	1	5	7	19	29	56	137	258	316	359	
Perry	490	7	1	0	2	1	10	14	25	61	99	144	126	
Philadelphia	15,646	156	21	26	114	174	591	816	1,159	2,531	3,335	3,282	3,440	
Pike	647	1	0	1	1	2	8	13	35	94	142	183	167	
Potter	230	0	0	1	3	3	0	4	4	31	57	65	62	
Schuylkill	2,039	9	2	1	5	10	29	58	95	249	408	530	643	
Snyder	414	1	1	0	3	1	4	8	14	51	92	126	113	
Somerset	1,080	5	1	0	2	2	18	23	43	118	228	281	359	
Sullivan	82	1	0	0	0	0	0	1	3	10	19	23	25	
Susquehanna	557	2	0	1	1	3	7	12	18	73	130	157	153	
Tioga	543	3	0	1	1	3	3	10	24	55	120	173	150	
Union	414	3	0	0	2	1	4	4	12	39	64	96	189	
Venango	766	6	1	0	1	0	15	14	31	103	160	179	256	
Warren	578	0	0	0	0	3	5	10	26	73	131	160	170	
Washington	2,748	17	1	2	3	12	46	87	113	327	552	688	900	
Wayne	716	2	0	1	1	3	14	7	32	72	182	189	213	
Westmoreland	4,999	14	1	1	7	11	84	104	241	530	976	1,381	1,649	
Wyoming	381	0	0	1	1	1	5	7	17	54	67	121	107	
York	4,818	26	3	3	19	24	85	109	224	576	935	1,309	1,505	

*Includes any unknown ages.

Table C-31
Resident Deaths by Race, Hispanic Origin, and County
Pennsylvania, 2022

County	Race					Hispanic Origin
	All Races	White	Black	Asian/Pacific Islander	Multi-Race	
Pennsylvania	147,124	126,539	15,258	1,637	366	4,113
Adams	1,198	1,167	15	6	1	21
Allegheny	14,561	12,212	2,092	118	53	85
Armstrong	939	936	0	1	0	1
Beaver	2,396	2,216	156	4	3	12
Bedford	635	630	4	0	0	2
Berks	4,421	3,924	172	26	10	390
Blair	1,756	1,701	28	5	2	3
Bradford	820	811	2	2	1	4
Bucks	6,943	6,481	209	135	15	117
Butler	2,291	2,245	18	15	1	11
Cambria	1,988	1,902	67	3	4	9
Cameron	86	86	0	0	0	0
Carbon	931	906	10	3	1	11
Centre	1,136	1,103	14	8	3	9
Chester	4,455	4,022	296	70	8	99
Clarion	525	521	2	0	0	0
Clearfield	1,118	1,098	10	3	3	1
Clinton	468	464	1	0	2	1
Columbia	797	774	6	6	2	10
Crawford	1,102	1,084	12	2	0	2
Cumberland	2,715	2,562	70	38	11	31
Dauphin	3,019	2,304	496	69	17	152
Delaware	5,687	4,354	1,085	107	18	90
Elk	419	419	0	0	0	0
Erie	3,270	3,015	209	24	6	50
Fayette	2,057	1,974	74	3	2	6
Forest	95	93	2	0	0	1
Franklin	1,891	1,812	43	5	6	30
Fulton	197	194	2	1	0	0
Greene	502	496	4	0	0	2
Huntingdon	534	516	11	1	0	2
Indiana	1,053	1,037	11	3	1	2
Jefferson	625	623	1	1	0	1

(Continued)

Table C-31
Resident Deaths by Race, Hispanic Origin, and County
Pennsylvania, 2022

County	Race					Hispanic Origin
	All Races	White	Black	Asian/Pacific Islander	Multi-Race	
Juniata	310	308	2	0	0	2
Lackawanna	2,846	2,698	68	19	3	62
Lancaster	5,868	5,421	158	56	18	250
Lawrence	1,293	1,229	53	3	3	5
Lebanon	1,747	1,628	21	7	2	90
Lehigh	3,701	3,283	164	37	20	383
Luzerne	4,342	4,111	128	15	4	124
Lycoming	1,412	1,344	56	0	3	7
McKean	607	603	2	0	0	0
Mercer	1,590	1,489	89	2	5	4
Mifflin	620	615	3	0	0	5
Monroe	1,818	1,548	166	14	9	165
Montgomery	8,341	7,104	849	236	22	153
Montour	231	228	0	1	0	2
Northampton	3,429	3,139	146	43	10	196
Northumberland	1,191	1,170	12	2	0	8
Perry	490	484	2	2	0	4
Philadelphia	15,646	6,278	7,678	481	66	1,237
Pike	647	606	24	3	1	24
Potter	230	228	2	0	0	0
Schuylkill	2,039	1,996	15	3	4	33
Snyder	414	404	4	2	1	3
Somerset	1,080	1,059	16	1	0	4
Sullivan	82	81	1	0	0	1
Susquehanna	557	547	1	0	0	4
Tioga	543	539	1	0	1	1
Union	414	407	5	2	0	2
Venango	766	756	4	3	1	2
Warren	578	573	2	3	0	1
Washington	2,748	2,619	96	5	4	9
Wayne	716	694	11	4	1	12
Westmoreland	4,999	4,845	121	12	12	13
Wyoming	381	378	1	0	0	1
York	4,818	4,445	235	22	6	151

Notes: Hispanic origin can be of any race.

Starting in 2013, the categorization of race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table C-32
Resident Deaths by Race, Hispanic Origin, and County
Pennsylvania, 2018-2022

County	Race					Hispanic Origin
	All Races 2018-2022	White	Black	Asian/ Pacific Islander	Multi-Race	
Pennsylvania	726,709	628,687	74,103	7,127	1,927	18,885
Adams	5,777	5,627	74	23	6	87
Allegheny	72,465	61,329	9,961	532	221	373
Armstrong	4,615	4,566	37	4	1	7
Beaver	11,709	10,861	740	22	24	45
Bedford	3,249	3,217	16	6	2	8
Berks	21,867	20,022	800	119	44	1,806
Blair	8,739	8,536	127	17	9	27
Bradford	3,818	3,783	11	5	6	18
Bucks	33,509	31,335	1,014	635	71	567
Butler	11,152	10,960	93	40	10	47
Cambria	9,949	9,574	315	15	12	37
Cameron	369	368	1	0	0	0
Carbon	4,439	4,340	39	11	9	58
Centre	5,595	5,449	69	42	13	31
Chester	21,757	19,665	1,466	273	61	437
Clarion	2,516	2,493	10	1	3	6
Clearfield	5,351	5,292	23	11	12	14
Clinton	2,299	2,282	5	1	2	6
Columbia	3,887	3,815	30	13	6	29
Crawford	5,497	5,391	75	8	7	8
Cumberland	13,095	12,476	290	150	42	162
Dauphin	14,366	11,023	2,424	238	58	631
Delaware	29,305	23,013	5,240	490	89	439
Elk	2,017	2,009	1	1	0	5
Erie	15,792	14,645	925	80	34	228
Fayette	9,978	9,564	356	19	15	22
Forest	484	469	11	0	2	3
Franklin	9,097	8,697	255	30	11	131
Fulton	924	903	13	3	1	4
Greene	2,458	2,432	18	2	3	4
Huntingdon	2,695	2,616	54	6	4	9
Indiana	5,079	5,012	43	8	7	13
Jefferson	3,031	3,013	5	5	1	5

(Continued)

Table C-32
Resident Deaths by Race, Hispanic Origin, and County
Pennsylvania, 2018-2022

County	Race					Hispanic Origin
	All Races 2018-2022	White	Black	Asian/ Pacific Islander	Multi-Race	
Juniata	1,505	1,486	6	3	3	15
Lackawanna	14,101	13,450	285	82	22	295
Lancaster	28,132	26,171	725	215	84	1,161
Lawrence	6,482	6,156	270	11	19	27
Lebanon	8,552	8,058	101	41	16	420
Lehigh	18,686	16,805	718	202	75	1,732
Luzerne	22,091	21,065	472	74	50	593
Lycoming	7,146	6,812	268	12	14	28
McKean	2,872	2,842	8	2	5	6
Mercer	8,073	7,593	431	14	15	23
Mifflin	3,183	3,148	20	2	1	16
Monroe	8,549	7,331	824	74	42	600
Montgomery	41,370	35,689	3,872	1,097	108	662
Montour	1,184	1,163	10	5	0	6
Northampton	16,770	15,564	603	145	43	854
Northumberland	6,409	6,260	73	12	11	68
Perry	2,518	2,485	7	7	8	15
Philadelphia	78,728	32,209	38,313	2,053	417	5,919
Pike	3,026	2,856	114	10	4	108
Potter	1,177	1,169	6	0	1	2
Schuylkill	10,297	10,088	86	19	21	115
Snyder	2,050	2,023	10	4	3	16
Somerset	5,298	5,206	69	4	1	16
Sullivan	521	519	2	0	0	4
Susquehanna	2,687	2,652	9	3	7	13
Tioga	2,611	2,591	10	2	2	7
Union	2,103	2,069	17	5	6	12
Venango	3,681	3,634	26	8	6	14
Warren	2,834	2,816	5	6	5	4
Washington	13,661	12,986	526	30	30	51
Wayne	3,494	3,409	46	11	3	59
Westmoreland	24,620	23,920	545	66	38	62
Wyoming	1,827	1,808	2	6	2	13
York	23,591	21,877	1,083	92	79	682

Notes: Hispanic origin can be of any race.

Starting in 2013, the categorization of race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table C-33
Selected Causes of Death by County, Pennsylvania Residents, 2022

County	All Causes	Diseases of Heart				Cancer (Malignant Neoplasms)		
		Total Diseases of Heart	Ischemic Excl. Acute Myocardial Infarction	Acute Myocardial Infarction	Other Heart Disease	Total Malignant Neoplasms	Lung and Bronchus	Colon and Rectum
Pennsylvania	147,124	32,277	11,553	4,684	16,040	27,463	6,161	2,280
Adams	1,198	251	90	28	133	228	51	23
Allegheny	14,561	3,477	1,493	393	1,591	2,763	649	210
Armstrong	939	205	70	23	112	176	34	17
Beaver	2,396	603	263	64	276	444	95	37
Bedford	635	140	42	44	54	103	27	4
Berks	4,421	973	272	249	452	826	178	57
Blair	1,756	393	104	39	250	303	56	37
Bradford	820	170	48	22	100	157	46	12
Bucks	6,943	1,269	416	131	722	1,413	281	110
Butler	2,291	492	185	49	258	422	89	39
Cambria	1,988	403	116	71	216	352	82	34
Cameron	86	16	2	11	3	21	4	1
Carbon	931	208	54	28	126	172	43	17
Centre	1,136	279	52	29	198	216	48	13
Chester	4,455	967	334	129	504	898	172	76
Clarion	525	97	24	26	47	115	21	9
Clearfield	1,118	226	73	55	98	220	37	14
Clinton	468	101	22	25	54	80	22	13
Columbia	797	145	42	20	83	154	26	17
Crawford	1,102	267	58	112	97	195	48	10
Cumberland	2,715	639	174	129	336	490	116	37
Dauphin	3,019	614	155	83	376	565	114	44
Delaware	5,687	1,260	505	131	624	1,085	224	104
Elk	419	83	16	30	37	79	19	7
Erie	3,270	628	219	109	300	654	155	47
Fayette	2,057	483	224	60	199	362	86	26
Forest	95	23	10	6	7	22	9	1
Franklin	1,891	387	150	45	192	350	81	23
Fulton	197	46	11	20	15	35	9	2
Greene	502	122	56	24	42	102	22	7
Huntingdon	534	84	32	8	44	103	22	6
Indiana	1,053	229	77	54	98	157	38	13
Jefferson	625	120	31	27	62	104	25	5
Juniata	310	72	23	10	39	56	9	5
Lackawanna	2,846	687	249	58	380	536	122	58
Lancaster	5,868	1,271	516	129	626	1,131	241	93
Lawrence	1,293	273	94	47	132	242	46	23
Lebanon	1,747	423	138	42	243	311	67	22
Lehigh	3,701	721	175	143	403	718	160	63
Luizerne	4,342	897	383	105	409	780	182	68
Lycoming	1,412	288	76	79	133	262	55	22
McKean	607	136	19	20	97	103	30	7
Mercer	1,590	421	150	96	175	276	68	25
Mifflin	620	131	33	24	74	114	26	17
Monroe	1,818	397	101	100	196	378	75	32
Montgomery	8,341	1,921	777	167	977	1,558	327	142
Montour	231	39	11	7	21	37	11	4
Northampton	3,429	739	207	91	441	641	134	65
Northumberland	1,191	286	47	116	123	219	53	18
Perry	490	88	29	9	50	111	34	8
Philadelphia	15,646	3,577	1,570	324	1,683	2,674	612	239
Pike	647	121	42	23	56	142	27	14
Potter	230	30	17	3	10	56	17	4
Schuylkill	2,039	558	103	273	182	356	96	22
Snyder	414	97	18	14	65	92	27	4
Somerset	1,080	248	103	36	109	198	40	15
Sullivan	82	12	4	2	6	15	4	0
Susquehanna	557	126	46	15	65	109	30	10
Tioga	543	122	24	11	87	117	21	8
Union	414	102	19	29	54	74	14	5
Venango	766	182	63	30	89	146	50	13
Warren	578	108	29	17	62	105	24	9
Washington	2,748	544	198	85	261	494	110	34
Wayne	716	177	67	26	84	133	42	12
Westmoreland	4,999	1,123	437	149	537	906	221	56
Wyoming	381	75	25	12	38	93	28	7
York	4,818	885	340	118	427	914	229	84

Note: See Tables C-17B and C-17C regarding cancer site definitions.

Table C-33 (Continued)
Selected Causes of Death by County, Pennsylvania Residents, 2022

County	Cancer (Malignant Neoplasms)					All Other Sites
	Female Breast	Pancreas	Prostate	Leukemia	Non-Hodgkin Lymphoma	
Pennsylvania	1,883	2,187	1,385	1,032	905	11,630
Adams	13	14	10	10	9	98
Allegheny	184	231	140	108	90	1,151
Armstrong	13	15	7	4	7	79
Beaver	29	46	25	14	7	191
Bedford	4	9	6	4	5	44
Berks	46	77	51	33	29	355
Blair	24	19	19	12	17	119
Bradford	10	13	6	3	8	59
Bucks	85	122	77	66	40	632
Butler	30	35	24	22	20	163
Cambria	26	31	17	11	13	138
Cameron	0	1	4	0	0	11
Carbon	8	14	5	6	7	72
Centre	17	16	11	8	9	94
Chester	71	61	50	34	30	404
Clarion	3	12	3	8	7	52
Clearfield	14	16	13	16	9	101
Clinton	0	8	3	5	3	26
Columbia	6	15	9	6	5	70
Crawford	13	14	13	6	9	82
Cumberland	33	35	33	12	22	202
Dauphin	49	44	23	26	24	241
Delaware	72	91	61	51	21	461
Elk	5	5	6	5	1	31
Erie	30	43	35	27	23	294
Fayette	28	24	21	6	15	156
Forest	2	0	0	1	0	9
Franklin	26	28	13	11	8	160
Fulton	2	4	4	2	0	12
Greene	7	9	2	3	1	51
Huntingdon	14	6	8	0	6	41
Indiana	11	11	8	4	2	70
Jefferson	6	8	6	6	3	45
Juniata	8	2	3	2	1	26
Lackawanna	33	30	29	22	20	222
Lancaster	72	94	50	47	54	480
Lawrence	25	22	12	9	10	95
Lebanon	27	26	17	9	15	128
Lehigh	49	53	32	38	20	303
Luzerne	48	50	38	32	21	341
Lycoming	18	26	12	12	11	106
McKean	7	8	5	4	3	39
Mercer	27	17	4	13	6	116
Mifflin	9	6	3	5	4	44
Monroe	25	24	18	12	9	183
Montgomery	136	142	62	53	61	635
Montour	5	2	0	1	0	14
Northampton	47	64	23	27	17	264
Northumberland	9	13	14	12	7	93
Perry	6	11	6	3	3	40
Philadelphia	208	209	138	65	71	1,132
Pike	8	11	7	6	5	64
Potter	4	2	1	2	0	26
Schuylkill	24	37	15	15	7	140
Snyder	7	9	2	4	3	36
Somerset	16	9	16	8	5	89
Sullivan	1	1	1	0	1	7
Susquehanna	6	10	7	1	6	39
Tioga	12	11	6	4	0	55
Union	6	8	3	4	5	29
Venango	8	16	8	2	1	48
Warren	10	10	6	5	6	35
Washington	34	38	23	20	11	224
Wayne	10	8	6	2	4	49
Westmoreland	45	65	52	40	39	388
Wyoming	1	8	2	0	1	46
York	51	68	51	23	28	380

Note: See Tables C-17B and C-17C regarding cancer site definitions.

Table C-33 (Continued)
Selected Causes of Death by County, Pennsylvania Residents, 2022

County	Cerebrovascular Disease	Chronic Lower Respiratory Disease	Accidents			Diabetes Mellitus	Alzheimer's Disease
			Non-Transport	Motor Vehicle	Other Transport		
Pennsylvania	6,824	5,831	8,488	1,280	97	4,106	3,991
Adams	47	42	43	10	1	39	40
Allegheny	624	593	1,015	89	7	335	431
Armstrong	39	49	51	6	0	30	23
Beaver	107	98	120	16	0	39	49
Bedford	29	27	27	7	1	27	24
Berks	263	167	250	51	7	104	132
Blair	68	67	92	19	0	70	80
Bradford	25	51	34	9	0	23	31
Bucks	334	263	322	49	3	146	151
Butler	104	105	117	20	0	73	85
Cambria	66	91	146	13	0	78	69
Cameron	2	4	4	1	0	3	3
Carbon	37	27	61	7	1	21	18
Centre	58	46	49	14	0	21	61
Chester	281	172	233	31	4	108	117
Clarion	22	21	29	11	0	15	12
Clearfield	40	48	44	19	0	57	28
Clinton	9	36	22	5	0	28	20
Columbia	35	32	45	8	0	31	20
Crawford	65	54	38	17	1	21	51
Cumberland	126	92	81	17	3	71	64
Dauphin	133	122	161	37	4	81	72
Delaware	307	203	281	40	2	150	149
Elk	12	30	28	2	1	9	16
Erie	126	135	168	31	5	93	49
Fayette	80	107	132	21	2	58	39
Forest	7	4	0	1	1	1	2
Franklin	59	65	56	19	1	70	50
Fulton	10	6	7	1	0	10	4
Greene	25	17	33	2	0	12	11
Huntingdon	27	38	25	9	0	22	16
Indiana	50	41	79	10	1	32	16
Jefferson	23	24	37	4	3	15	14
Juniata	17	12	10	4	0	11	7
Lackawanna	96	129	160	24	0	79	81
Lancaster	379	203	257	52	7	180	262
Lawrence	42	52	110	11	0	45	39
Lebanon	104	81	67	15	2	33	49
Lehigh	153	129	273	34	2	94	134
Luzerne	148	169	265	40	2	156	80
Lycoming	39	75	55	17	0	51	44
McKean	24	31	28	8	0	18	3
Mercer	62	86	83	7	1	48	58
Mifflin	32	29	39	9	1	13	13
Monroe	71	89	97	22	2	62	52
Montgomery	568	251	371	64	7	168	220
Montour	12	12	6	2	0	7	2
Northampton	146	149	162	31	3	104	116
Northumberland	53	51	80	12	0	42	42
Perry	24	18	25	4	0	13	18
Philadelphia	703	450	1,500	150	12	401	231
Pike	23	36	22	9	0	28	12
Potter	12	9	9	3	0	7	1
Schuylkill	75	78	61	14	0	42	51
Snyder	9	17	19	4	0	11	14
Somerset	37	45	63	9	0	54	36
Sullivan	3	5	7	0	0	7	2
Susquehanna	25	36	23	9	0	31	17
Tioga	19	34	11	4	0	21	13
Union	11	13	17	5	0	9	12
Venango	36	35	33	11	2	25	16
Warren	26	30	18	5	0	26	2
Washington	119	126	161	19	2	83	79
Wayne	22	44	30	9	1	26	21
Westmoreland	242	251	274	40	2	149	114
Wyoming	12	20	13	4	0	15	16
York	240	159	309	33	3	154	187

Table C-33 (Continued)
Selected Causes of Death by County, Pennsylvania Residents, 2022

County	Nephritis, Nephrotic Syn. & Nephrosis	Septicemia	Influenza & Pneumonia	Intentional Self-harm (Suicide)	Chronic Liver Disease & Cirrhosis	Parkinson's Disease	Essential Hypertension & Hypertensive Renal Disease
Pennsylvania	3,125	2,529	2,004	1,925	1,821	1,717	1,358
Adams	21	20	17	11	19	18	9
Allegheny	279	204	152	154	191	154	152
Armstrong	18	13	20	18	17	12	15
Beaver	31	44	32	35	34	32	21
Bedford	12	12	14	8	6	6	3
Berks	95	88	49	60	51	73	33
Blair	49	34	26	22	27	18	18
Bradford	13	9	17	11	9	13	15
Bucks	173	144	118	83	73	111	90
Butler	36	33	39	23	32	28	31
Cambria	51	42	35	26	28	16	37
Cameron	1	3	2	2	0	1	2
Carbon	13	8	7	21	16	10	7
Centre	23	10	14	22	12	16	4
Chester	76	72	51	77	45	76	26
Clarion	10	7	7	7	5	10	4
Clearfield	26	20	19	8	12	11	7
Clinton	12	6	9	5	8	10	5
Columbia	27	8	7	13	11	12	6
Crawford	20	20	22	19	11	17	4
Cumberland	81	38	37	32	32	38	17
Dauphin	76	54	43	42	54	28	42
Delaware	99	88	97	66	78	57	44
Elk	10	9	8	7	6	8	4
Erie	92	44	33	54	45	36	24
Fayette	28	43	33	29	54	19	26
Forest	3	1	2	1	4	0	0
Franklin	46	26	28	20	26	15	14
Fulton	4	2	1	3	3	0	3
Greene	10	10	10	8	7	7	1
Huntingdon	12	10	8	9	12	13	7
Indiana	33	14	21	15	10	22	11
Jefferson	12	8	6	7	12	7	12
Juniata	8	2	4	2	5	3	6
Lackawanna	75	43	27	33	39	29	34
Lancaster	150	103	67	57	70	79	34
Lawrence	21	16	27	18	18	8	12
Lebanon	37	24	41	25	21	24	4
Lehigh	67	52	41	41	40	50	21
Luzerne	98	88	48	62	64	37	69
Lycoming	34	28	25	24	21	15	10
McKean	13	16	4	11	8	1	8
Mercer	41	24	30	9	16	18	8
Mifflin	12	11	11	3	13	8	2
Monroe	41	27	18	36	31	18	16
Montgomery	164	128	114	106	66	125	61
Montour	3	6	6	6	1	4	3
Northampton	53	52	44	54	47	46	43
Northumberland	19	12	12	20	21	7	11
Perry	12	6	8	6	8	5	0
Philadelphia	321	380	220	192	143	97	133
Pike	7	13	7	14	14	9	9
Potter	11	8	3	2	3	2	3
Schuylkill	33	56	24	34	22	23	19
Snyder	12	6	4	6	3	3	3
Somerset	19	16	15	13	11	9	8
Sullivan	1	0	0	1	2	1	1
Susquehanna	7	8	7	8	5	10	5
Tioga	12	10	5	4	3	6	7
Union	5	8	8	5	2	3	5
Venango	21	12	9	9	4	3	5
Warren	9	11	12	8	8	6	3
Washington	75	46	31	42	41	37	21
Wayne	14	14	12	10	5	9	8
Westmoreland	102	82	70	70	67	62	35
Wyoming	9	4	4	5	1	5	6
York	127	73	62	71	48	61	51

Table C-33 (Continued)
Selected Causes of Death by County, Pennsylvania Residents, 2022

County	Assault (Homicide)	Nutritional Deficiencies	In Situ, Benign, & Uncertain Neoplasms	Perinatal Conditions	Congenital Malformations & Chromosomal Anomalies	All Other Causes
Pennsylvania	1,059	966	775	407	359	38,722
Adams	6	6	6	0	3	361
Allegheny	118	148	79	39	40	3,517
Armstrong	4	7	7	0	2	227
Beaver	3	16	9	7	3	653
Bedford	2	2	3	2	0	180
Berks	22	33	29	16	15	1,084
Blair	3	5	5	4	3	450
Bradford	1	3	4	3	2	220
Bucks	13	28	39	11	12	2,098
Butler	0	13	7	2	6	623
Cambria	11	4	10	4	4	502
Cameron	0	0	0	0	0	21
Carbon	7	7	6	1	3	273
Centre	3	5	6	4	1	272
Chester	14	28	28	8	11	1,132
Clarion	1	0	8	0	1	143
Clearfield	1	3	2	0	5	322
Clinton	0	1	1	1	0	109
Columbia	4	8	7	3	1	220
Crawford	2	0	8	1	2	267
Cumberland	5	22	19	8	6	797
Dauphin	23	23	26	12	4	803
Delaware	58	35	43	27	13	1,505
Elk	0	2	4	0	0	101
Erie	7	16	21	10	8	991
Fayette	10	14	10	5	5	497
Forest	0	0	0	1	0	22
Franklin	3	16	13	4	6	617
Fulton	0	1	1	0	0	60
Greene	2	1	1	1	1	119
Huntingdon	2	2	3	1	0	131
Indiana	0	2	5	3	3	299
Jefferson	0	5	2	0	2	208
Juniata	0	2	0	1	2	86
Lackawanna	5	8	15	6	7	733
Lancaster	11	29	42	23	37	1,424
Lawrence	2	4	7	3	3	340
Lebanon	7	17	8	3	2	449
Lehigh	18	46	16	14	16	1,021
Luzerne	15	13	30	7	8	1,266
Lycoming	11	1	4	7	5	396
McKean	1	2	4	0	0	188
Mercer	0	7	7	4	5	379
Mifflin	1	5	3	1	4	165
Monroe	2	17	5	6	2	429
Montgomery	26	59	50	28	24	2,262
Montour	1	8	1	1	2	72
Northampton	5	62	11	10	4	907
Northumberland	6	11	7	2	2	276
Perry	0	6	3	3	4	128
Philadelphia	528	90	49	70	31	3,694
Pike	0	3	4	0	1	173
Potter	0	1	1	0	1	68
Schuylkill	45	19	10	5	2	512
Snyder	1	4	1	0	1	107
Somerset	1	2	6	1	2	287
Sullivan	0	0	1	0	0	24
Susquehanna	1	3	1	1	0	125
Tioga	1	1	1	2	1	149
Union	0	4	3	0	1	127
Venango	2	3	4	4	3	201
Warren	2	2	3	0	1	193
Washington	5	16	10	5	5	787
Wayne	1	1	6	0	3	170
Westmoreland	9	41	19	9	10	1,322
Wyoming	1	4	4	0	0	90
York	26	19	27	13	8	1,348

Table C-34
Selected Causes of Death by County, Number and Average Annual Rate*
Pennsylvania Residents, 2018-2022

County	Diseases of Heart		Cancer (Malignant Neoplasms)		Cerebrovascular Disease		Chronic Lower Respiratory Disease		Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	162,543	251.9	138,705	214.9	33,751	52.3	30,277	46.9	46,735	72.4
Adams	1,402	269.7	1,106	212.8	228	43.9	245	47.1	302	58.1
Allegheny	17,696	287.5	13,809	224.4	3,167	51.5	3,086	50.1	5,140	83.5
Armstrong	988	303.7	881	270.8	194	59.6	254	78.1	305	93.8
Beaver	2,812	339.3	2,136	257.8	518	62.5	528	63.7	628	75.8
Bedford	716	300.3	570	239.0	153	64.2	139	58.3	192	80.5
Berks	4,940	231.9	4,242	199.2	1,246	58.5	807	37.9	1,338	62.8
Blair	2,154	353.3	1,529	250.8	336	55.1	381	62.5	451	74.0
Bradford	894	297.2	711	236.4	134	44.6	230	76.5	220	73.1
Bucks	6,524	204.3	6,773	212.1	1,611	50.4	1,354	42.4	1,972	61.7
Butler	2,436	253.4	2,153	224.0	523	54.4	527	54.8	639	66.5
Cambria	2,083	316.3	1,817	275.9	364	55.3	431	65.5	726	110.3
Cameron	82	367.1	77	344.8	15	67.2	19	85.1	18	80.6
Carbon	939	289.8	823	254.0	169	52.2	164	50.6	357	110.2
Centre	1,388	173.7	1,109	138.8	301	37.7	214	26.8	276	34.5
Chester	4,832	181.2	4,469	167.6	1,308	49.1	849	31.8	1,262	47.3
Clarion	562	297.5	484	256.2	110	58.2	102	54.0	142	75.2
Clearfield	1,172	295.2	1,024	257.9	201	50.6	269	67.8	307	77.3
Clinton	551	289.9	409	215.2	66	34.7	138	72.6	112	58.9
Columbia	838	257.9	769	236.7	161	49.6	185	56.9	218	67.1
Crawford	1,242	296.1	1,040	248.0	291	69.4	285	67.9	325	77.5
Cumberland	3,110	239.9	2,501	192.9	602	46.4	505	39.0	573	44.2
Dauphin	3,136	221.1	2,766	195.0	570	40.2	574	40.5	949	66.9
Delaware	6,379	223.3	5,555	194.4	1,626	56.9	1,190	41.7	1,660	58.1
Elk	434	285.0	419	275.2	69	45.3	107	70.3	147	96.5
Erie	3,166	234.7	3,047	225.9	658	48.8	706	52.3	870	64.5
Fayette	2,459	383.7	1,771	276.4	328	51.2	555	86.6	677	105.7
Forest	110	313.1	97	276.1	27	76.8	27	76.8	23	65.5
Franklin	1,939	248.9	1,804	231.6	331	42.5	360	46.2	383	49.2
Fulton	218	300.0	190	261.5	44	60.6	39	53.7	52	71.6
Greene	584	327.0	479	268.2	113	63.3	137	76.7	153	85.7
Huntingdon	518	233.8	529	238.8	132	59.6	161	72.7	143	64.6
Indiana	1,062	254.4	818	195.9	234	56.0	204	48.9	404	96.8
Jefferson	605	275.7	551	251.1	142	64.7	137	62.4	176	80.2
Juniata	347	290.2	288	240.9	63	52.7	63	52.7	72	60.2
Lackawanna	3,568	334.3	2,625	246.0	492	46.1	642	60.2	845	79.2
Lancaster	6,076	220.8	5,462	198.5	1,830	66.5	1,114	40.5	1,587	57.7
Lawrence	1,526	356.6	1,182	276.2	241	56.3	287	67.1	418	97.7
Lebanon	2,090	292.8	1,590	222.7	455	63.7	403	56.5	414	58.0
Lehigh	3,735	200.4	3,547	190.3	788	42.3	588	31.5	1,384	74.3
Luzerne	4,917	304.9	3,842	238.3	787	48.8	952	59.0	1,460	90.5
Lycoming	1,388	244.5	1,402	247.0	249	43.9	379	66.8	345	60.8
McKean	660	327.2	488	241.9	102	50.6	169	83.8	134	66.4
Mercer	1,991	362.2	1,444	262.7	290	52.8	380	69.1	477	86.8
Mifflin	675	292.8	636	275.9	147	63.8	154	66.8	179	77.6
Monroe	1,989	235.5	1,776	210.3	316	37.4	389	46.1	602	71.3
Montgomery	9,388	221.3	8,019	189.1	2,713	64.0	1,391	32.8	2,179	51.4
Montour	200	220.4	207	228.1	49	54.0	55	60.6	78	85.9
Northampton	3,664	235.6	3,422	220.1	632	40.6	648	41.7	966	62.1
Northumberland	1,521	334.4	1,202	264.3	245	53.9	280	61.6	415	91.2
Perry	492	213.6	567	246.2	97	42.1	120	52.1	158	68.6
Philadelphia	17,801	225.0	14,222	179.7	3,703	46.8	2,605	32.9	7,529	95.2
Pike	644	221.4	670	230.4	107	36.8	160	55.0	218	75.0
Potter	193	235.4	240	292.7	58	70.7	75	91.5	62	75.6
Schuylkill	2,791	391.7	1,975	277.2	389	54.6	450	63.2	446	62.6
Snyder	457	228.6	441	220.6	72	36.0	71	35.5	108	54.0
Somerset	1,188	323.1	923	251.1	235	63.9	226	61.5	292	79.4
Sullivan	95	319.9	111	373.8	16	53.9	28	94.3	23	77.4
Susquehanna	588	300.4	569	290.7	110	56.2	165	84.3	142	72.5
Tioga	573	280.4	534	261.3	100	48.9	162	79.3	118	57.7
Union	462	212.3	398	182.9	77	35.4	66	30.3	106	48.7
Venango	906	359.6	690	273.9	159	63.1	178	70.7	198	78.6
Warren	565	292.6	558	289.0	117	60.6	140	72.5	122	63.2
Washington	2,733	262.0	2,677	256.6	636	61.0	625	59.9	896	85.9
Wayne	854	333.1	692	270.0	125	48.8	175	68.3	200	78.0
Westmoreland	5,631	320.2	4,664	265.2	1,075	61.1	1,254	71.3	1,531	87.1
Wyoming	422	320.0	374	283.6	61	46.3	86	65.2	117	88.7
York	4,442	195.4	4,810	211.6	1,243	54.7	888	39.1	1,774	78.0

*Rate per 100,000 population for each county, 2018-2022

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

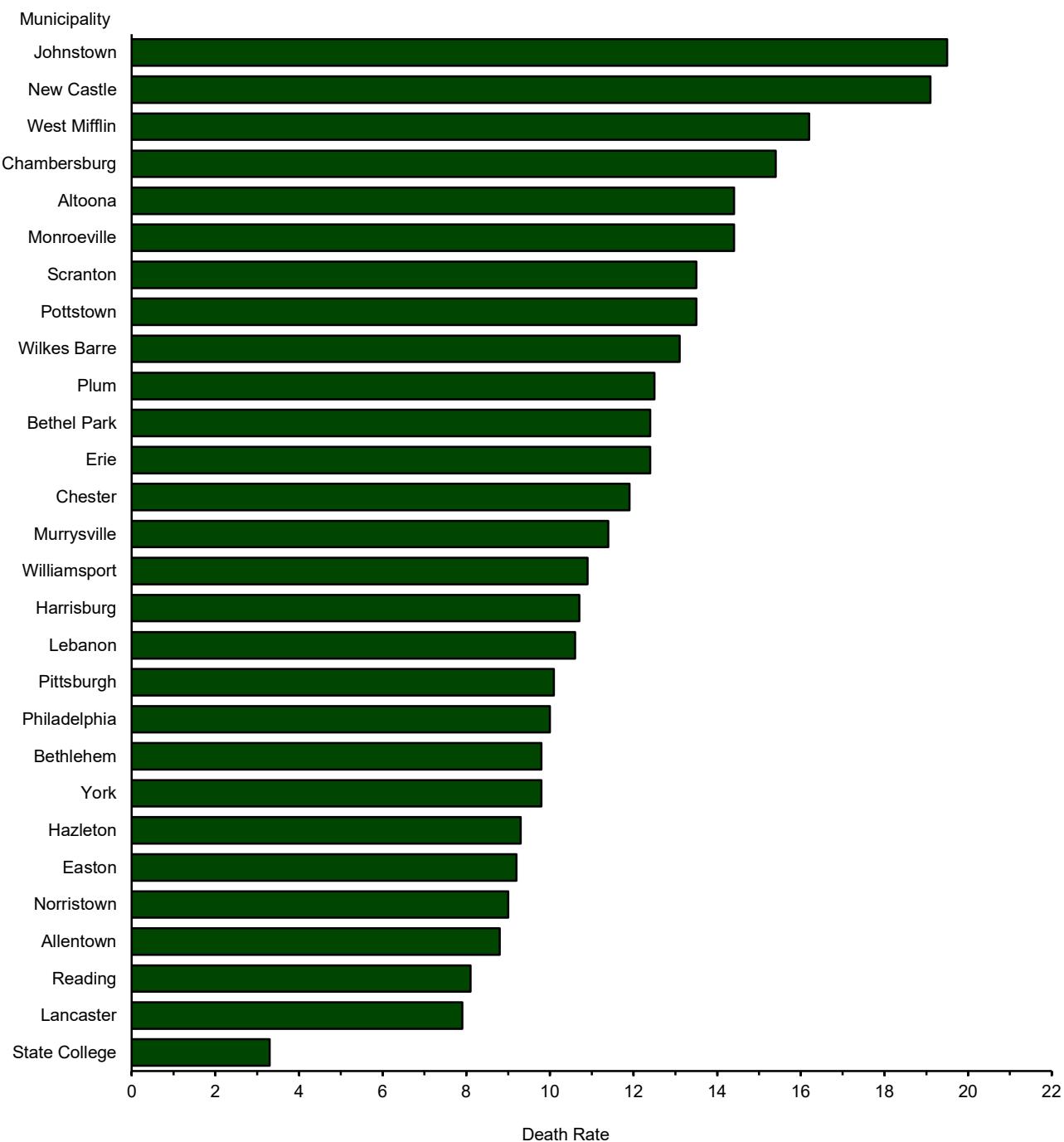
Table C-35
**Resident Live Births, All Deaths, Infant, and Neonatal Deaths
for Selected Municipalities, Number and Rate*: Pennsylvania, 2022**

Municipality	Live Births		All Deaths		Infant Deaths		Neonatal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	130,302	10.0	147,124	11.3	741	5.7	501	3.8
Allentown	1,622	13.0	1,106	8.8	12	7.4	9	ND
Altoona	506	11.7	619	14.4	7	ND	3	ND
Bethel Park	314	9.6	406	12.4	3	ND	2	ND
Bethlehem	696	9.0	762	9.8	6	ND	5	ND
Chambersburg	316	14.3	341	15.4	1	ND	1	ND
Chester	463	13.8	397	11.9	8	ND	4	ND
Easton	278	9.2	279	9.2	0	ND	0	ND
Erie	1,160	12.4	1,162	12.4	8	ND	4	ND
Harrisburg	786	15.7	535	10.7	4	ND	3	ND
Hazleton	449	15.0	280	9.3	1	ND	1	ND
Johnstown	244	13.5	353	19.5	4	ND	3	ND
Lancaster	796	13.9	453	7.9	9	ND	6	ND
Lebanon	371	14.0	280	10.6	1	ND	0	ND
Monroeville	268	9.5	408	14.4	3	ND	2	ND
Murrysville	158	7.6	237	11.4	0	ND	0	ND
New Castle	234	10.9	411	19.1	1	ND	1	ND
Norristown	560	15.6	321	9.0	3	ND	3	ND
Philadelphia	19,118	12.2	15,646	10.0	128	6.7	81	4.2
Pittsburgh	2,697	8.9	3,054	10.1	24	8.9	16	5.9
Plum	240	9.0	332	12.5	0	ND	0	ND
Pottstown	377	16.1	316	13.5	3	ND	3	ND
Reading	1,469	15.5	770	8.1	12	8.2	8	ND
Scranton	736	9.7	1,023	13.5	4	ND	4	ND
State College	127	3.1	133	3.3	0	ND	0	ND
West Mifflin	202	10.6	311	16.2	2	ND	2	ND
Wilkes Barre	503	11.4	580	13.1	5	ND	1	ND
Williamsport	342	12.5	298	10.9	5	ND	5	ND
York	752	16.8	438	9.8	4	ND	1	ND
All Other Areas	94,518	9.5	115,873	11.6	483	5.1	333	3.5

* Birth and death crude rates per 1,000 population, 2022. Infant and neonatal death rates per 1,000 live births, 2022.

Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Figure C-35
Resident Crude Death Rates for Selected Municipalities
Pennsylvania, 2022



Note: Rate per 1,000 population, 2022. See Table C-35 for corresponding data.

Table C-36
Resident Deaths, Infant, and Neonatal Deaths for Selected Municipalities
Number and Average Annual Rate*: Pennsylvania, 2018-2022

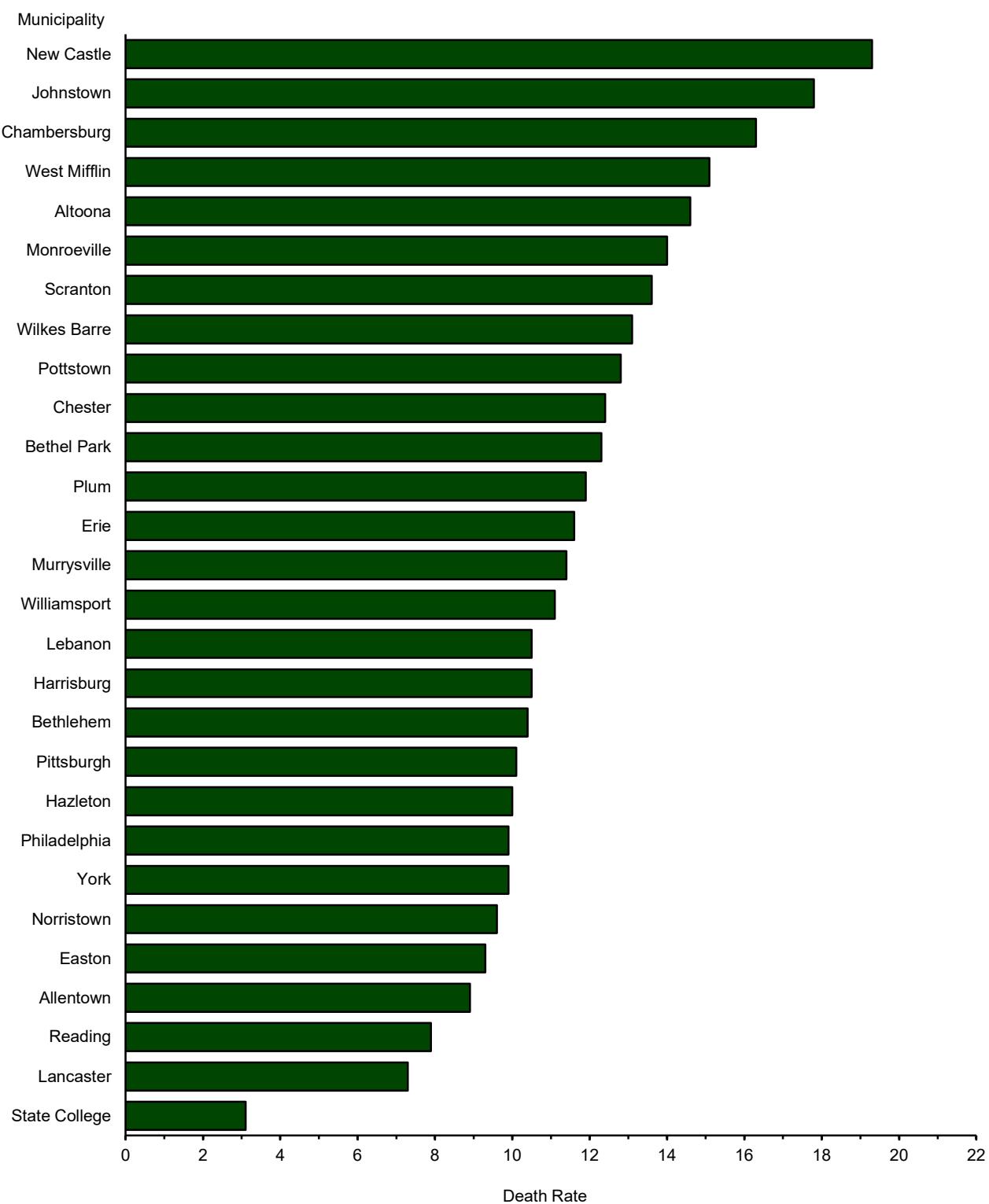
Municipality	All Deaths 2018 - 2022		Infant Deaths 2018 - 2022		Neonatal Deaths 2018 - 2022	
	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	726,709	11.3	3,784	5.7	2,614	3.9
Allentown	5,509	8.9	68	7.4	44	4.8
Altoona	3,185	14.6	23	9.3	13	5.3
Bethel Park	2,022	12.3	6	ND	5	ND
Bethlehem	3,972	10.4	18	4.6	16	4.1
Chambersburg	1,781	16.3	7	ND	4	ND
Chester	2,061	12.4	40	16.6	27	11.2
Easton	1,314	9.3	9	ND	5	ND
Erie	5,504	11.6	50	8.1	26	4.2
Harrisburg	2,618	10.5	44	10.6	28	6.7
Hazleton	1,396	10.0	13	5.4	6	ND
Johnstown	1,665	17.8	18	14.4	10	8.0
Lancaster	2,114	7.3	28	6.7	17	4.1
Lebanon	1,378	10.5	14	7.2	4	ND
Monroeville	1,966	14.0	10	7.1	8	ND
Murrysville	1,163	11.4	2	ND	1	ND
New Castle	2,090	19.3	14	10.1	10	7.2
Norristown	1,695	9.6	19	6.7	13	4.6
Philadelphia	78,728	9.9	689	6.9	468	4.7
Pittsburgh	15,256	10.1	123	8.4	91	6.2
Plum	1,600	11.9	4	ND	2	ND
Pottstown	1,483	12.8	13	7.0	10	5.4
Reading	3,664	7.9	67	8.7	46	6.0
Scranton	5,183	13.6	27	6.6	21	5.1
State College	644	3.1	5	ND	5	ND
West Mifflin	1,468	15.1	9	ND	7	ND
Wilkes Barre	2,819	13.1	12	4.5	3	ND
Williamsport	1,542	11.1	24	13.5	15	8.4
York	2,211	9.9	29	7.7	15	4.0
All Other Areas	570,678	11.5	2,399	5.0	1,694	3.6

* Crude death rate per 1,000 population for each specified area, 2018-2022. Infant and neonatal death rates per 1,000 live births for each specified area, 2018-2022.

Notes: See Technical Notes for criteria used in municipality selection.

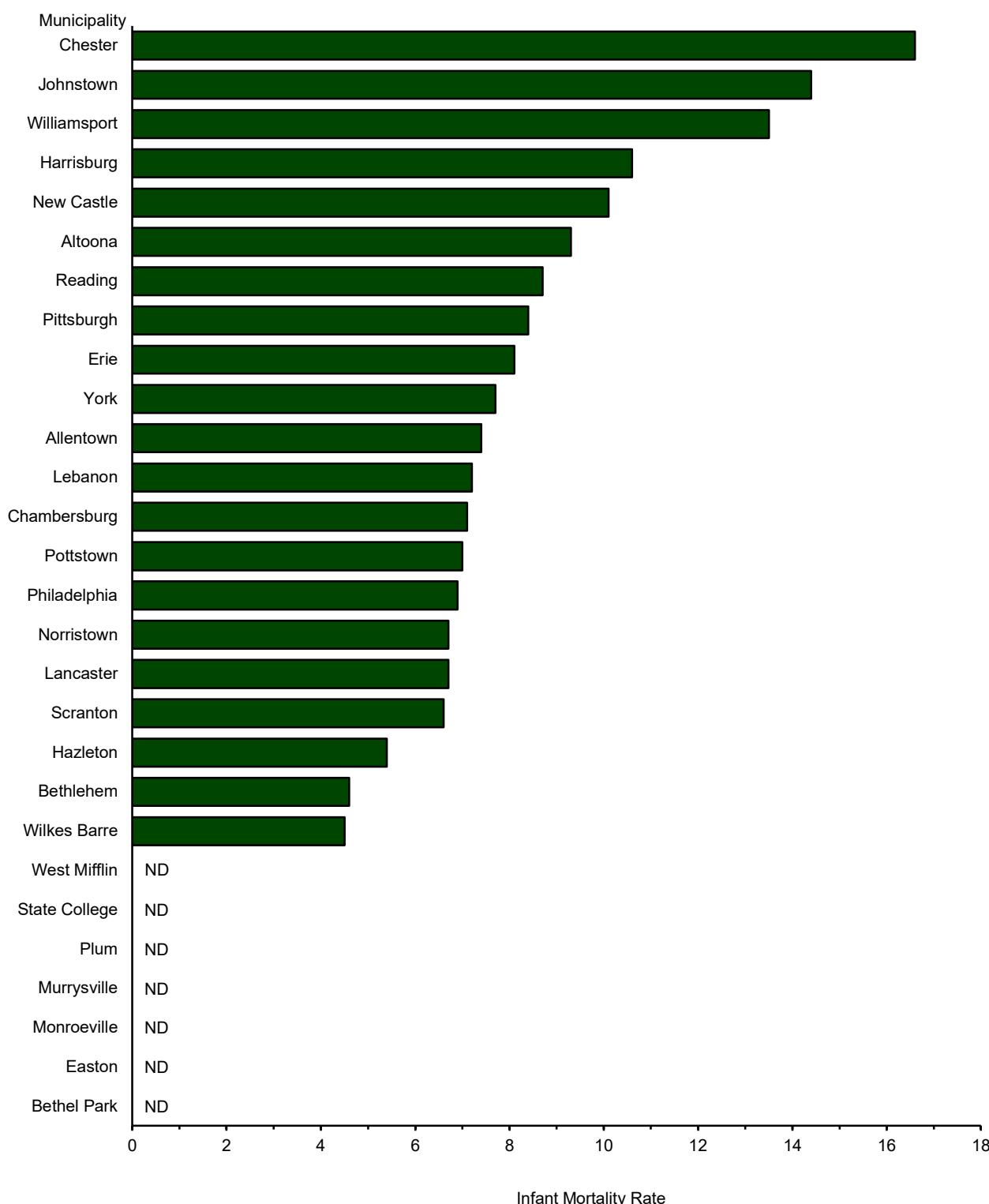
Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Figure C-36
Resident Average Annual Crude Death Rates
for Selected Municipalities, Pennsylvania, 2018-2022



Note: Rate per 1,000 population, 2018-2022. See Table C-36 for corresponding data.

Figure C-37
**Resident Average Annual Infant Mortality Rates
 for Selected Municipalities, Pennsylvania, 2018-2022**



Notes: Rate per 1,000 live births, 2018-2022. See Table C-36 for corresponding data.

Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table C-37
Resident Deaths by Age Group for Selected Municipalities
Pennsylvania, 2022

Municipality	Total Deaths*	Age at Death (In Years)												85 & Over
		Under 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84		
Pennsylvania	147,124	886	95	129	456	726	2,769	4,170	6,901	17,489	28,920	37,155	47,424	
Allentown	1,106	14	2	2	4	9	34	51	69	153	192	245	331	
Altoona	619	7	0	2	3	3	9	22	40	89	132	167	145	
Bethel Park	406	4	0	0	0	1	3	10	16	30	68	100	174	
Bethlehem	762	8	1	0	3	0	12	25	28	79	142	177	287	
Chambersburg	341	2	2	0	1	1	6	10	15	26	64	85	129	
Chester	397	9	1	0	3	4	17	18	26	67	112	77	63	
Easton	279	0	0	1	1	2	6	10	24	54	64	60	57	
Erie	1,162	8	2	1	5	5	35	61	86	199	239	217	304	
Harrisburg	535	5	0	1	2	4	31	30	49	90	136	96	91	
Hazleton	280	1	0	0	2	1	8	6	15	37	54	75	81	
Johnstown	353	6	1	0	2	1	15	15	29	62	68	81	73	
Lancaster	453	10	0	1	4	1	21	19	34	72	105	101	85	
Lebanon	280	1	0	1	2	2	9	12	17	38	67	57	74	
Monroeville	408	4	0	0	0	1	5	9	11	38	73	102	165	
Murrysville	237	0	0	0	0	0	1	0	9	24	34	63	106	
New Castle	411	1	0	1	0	3	20	29	37	59	88	80	93	
Norristown	321	3	0	0	3	2	9	25	15	61	83	55	64	
Philadelphia	15,646	156	21	26	114	174	591	816	1,159	2,531	3,335	3,282	3,440	
Pittsburgh	3,054	29	4	3	20	26	109	106	164	415	647	701	829	
Plum	332	1	0	0	1	1	6	2	11	30	58	88	134	
Pottstown	316	3	1	4	3	1	9	18	21	52	66	69	69	
Reading	770	15	1	0	4	11	35	42	68	122	170	162	140	
Scranton	1,023	5	0	0	2	2	29	39	58	137	225	242	284	
State College	133	0	0	0	0	0	1	6	2	10	10	29	75	
West Mifflin	311	2	0	0	0	4	4	16	13	40	64	75	93	
Wilkes Barre	580	5	1	0	2	6	13	33	37	87	113	126	157	
Williamsport	298	5	1	0	1	2	10	9	13	60	71	64	62	
York	438	6	0	0	4	7	22	26	44	80	83	86	80	
All Other Areas	115,873	576	57	86	270	452	1,699	2,705	4,791	12,747	22,357	30,393	39,739	

*Includes any unknown ages.

Note: See Technical Notes for criteria used in municipality selection.

Table C-38
**Resident Deaths by Race and Hispanic Origin
for Selected Municipalities, Pennsylvania, 2022**

Municipality	Race					Hispanic Origin
	All Races	White	Black	Asian/ Pacific Islander	Multi-Race	
Pennsylvania	147,124	126,539	15,258	1,637	366	4,113
Allentown	1,106	835	105	13	12	271
Altoona	619	580	22	2	1	1
Bethel Park	406	387	9	4	3	3
Bethlehem	762	662	43	10	1	105
Chambersburg	341	310	16	2	0	9
Chester	397	76	295	0	1	22
Easton	279	220	44	4	0	24
Erie	1,162	948	190	10	4	38
Harrisburg	535	190	263	10	5	78
Hazleton	280	246	7	1	1	34
Johnstown	353	289	55	0	1	5
Lancaster	453	282	61	11	3	122
Lebanon	280	227	9	1	1	50
Monroeville	408	352	46	5	2	2
Murrysville	237	228	4	4	1	0
New Castle	411	357	49	0	2	5
Norristown	321	167	118	6	0	34
Philadelphia	15,646	6,278	7,678	481	66	1,237
Pittsburgh	3,054	2,009	976	24	16	23
Plum	332	322	8	1	0	0
Pottstown	316	239	71	1	1	4
Reading	770	514	98	5	5	282
Scranton	1,023	915	53	12	1	39
State College	133	125	4	1	0	4
West Mifflin	311	276	31	1	1	0
Wilkes Barre	580	507	53	1	0	33
Williamsport	298	247	44	0	0	5
York	438	273	116	2	1	60
All Other Areas	115,873	108,478	4,790	1,025	237	1,623

Notes: Hispanic origin can be of any race.

See Technical Notes for criteria used in municipality selection.

Starting in 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table C-39
**Resident Infant Deaths by Race and Hispanic Origin
 for Selected Municipalities, Pennsylvania, 2022**

Municipality	Race			Hispanic Origin
	All Races	White	Black	
Pennsylvania	741	398	194	109
Allentown	12	2	0	8
Altoona	7	5	1	0
Bethel Park	3	2	1	0
Bethlehem	6	5	1	2
Chambersburg	1	0	0	1
Chester	8	0	6	2
Easton	0	0	0	0
Erie	8	3	3	1
Harrisburg	4	1	3	1
Hazleton	1	1	0	1
Johnstown	4	3	0	0
Lancaster	9	3	4	4
Lebanon	1	0	0	1
Monroeville	3	1	0	0
Murrysville	0	0	0	0
New Castle	1	0	1	0
Norristown	3	0	0	3
Philadelphia	128	11	78	22
Pittsburgh	24	6	13	0
Plum	0	0	0	0
Pottstown	3	1	2	0
Reading	12	7	2	10
Scranton	4	1	2	1
State College	0	0	0	0
West Mifflin	2	2	0	0
Wilkes Barre	5	2	3	1
Williamsport	5	0	3	0
York	4	1	3	1
All Other Areas	483	341	68	50

Notes: Hispanic origin can be of any race.

See Technical Notes for criteria used in municipality selection.

Starting in 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table C-40
Resident Infant Deaths by Race and Hispanic Origin
for Selected Municipalities, Pennsylvania, 2018-2022

Municipality	Race					Hispanic Origin
	All Races 2018-2022	White	Black	Asian/ Pacific Islander	Multi-Race	
Pennsylvania	3,784	2,060	1,075	88	162	514
Allentown	68	30	13	0	9	44
Altoona	23	18	3	0	0	0
Bethel Park	6	5	1	0	0	0
Bethlehem	18	9	5	0	2	6
Chambersburg	7	3	0	0	0	4
Chester	40	2	33	0	1	5
Easton	9	3	4	1	0	2
Erie	50	18	23	2	3	7
Harrisburg	44	5	28	0	0	12
Hazleton	13	7	1	0	0	11
Johnstown	18	9	6	0	0	0
Lancaster	28	7	9	1	1	17
Lebanon	14	8	2	0	0	9
Monroeville	10	4	3	0	1	0
Murrysville	2	1	0	0	0	0
New Castle	14	7	5	0	2	0
Norristown	19	2	7	0	0	11
Philadelphia	689	97	442	15	25	103
Pittsburgh	123	37	65	1	5	1
Plum	4	3	1	0	0	0
Pottstown	13	8	4	0	1	2
Reading	67	36	15	0	6	50
Scranton	27	12	8	0	1	7
State College	5	5	0	0	0	0
West Mifflin	9	5	3	0	0	1
Wilkes Barre	12	4	5	0	1	5
Williamsport	24	9	8	0	3	0
York	29	4	14	0	3	11
All Other Areas	2,399	1,702	367	68	98	206

Notes: Hispanic origin can be of any race.

See Technical Notes for criteria used in municipality selection.

Starting in 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

Table C-41
Selected Causes of Death for Selected Municipalities
Pennsylvania Residents, 2022

Municipality	All Causes	Diseases of Heart				Cancer (Malignant Neoplasms)		
		Total Diseases of Heart	Ischemic Excl. Acute Myocardial Infarction	Acute Myocardial Infarction	Other Heart Disease	Total Malignant Neoplasms	Lung and Bronchus	Colon and Rectum
Pennsylvania	147,124	32,277	11,553	4,684	16,040	27,463	6,161	2,280
Allentown	1,106	191	36	44	111	184	42	15
Altoona	619	140	29	13	98	115	23	15
Bethel Park	406	92	31	9	52	74	13	5
Bethlehem	762	158	32	23	103	133	30	11
Chambersburg	341	78	33	5	40	51	8	1
Chester	397	81	22	11	48	69	13	4
Easton	279	64	32	5	27	62	16	3
Erie	1,162	240	87	50	103	207	48	16
Harrisburg	535	109	20	9	80	93	24	7
Hazleton	280	58	23	11	24	51	15	3
Johnstown	353	66	18	12	36	61	22	6
Lancaster	453	89	43	8	38	78	17	3
Lebanon	280	82	29	6	47	40	9	1
Monroeville	408	86	38	6	42	78	22	3
Murrysville	237	55	15	3	37	41	7	0
New Castle	411	92	34	11	47	56	13	8
Norristown	321	86	37	6	43	43	10	8
Philadelphia	15,646	3,577	1,570	324	1,683	2,674	612	239
Pittsburgh	3,054	701	329	73	299	555	148	40
Plum	332	73	30	9	34	62	17	2
Pottstown	316	62	27	8	27	65	16	3
Reading	770	153	32	53	68	133	30	9
Scranton	1,023	243	85	23	135	174	43	22
State College	133	30	7	2	21	18	3	0
West Mifflin	311	76	41	5	30	63	17	7
Wilkes Barre	580	102	51	12	39	111	24	10
Williamsport	298	47	15	17	15	65	14	6
York	438	71	30	17	24	71	22	7
All Other Areas	115,873	25,375	8,777	3,909	12,689	22,036	4,883	1,826

Note: See Tables C-17B and C-17C regarding cancer site definitions.

Table C-41 (Continued)
Selected Causes of Death for Selected Municipalities
Pennsylvania Residents, 2022

Municipality	Cancer (Malignant Neoplasms)					All Other Sites
	Female Breast	Pancreas	Prostate	Leukemia	Non-Hodgkin Lymphoma	
Pennsylvania	1,883	2,187	1,385	1,032	905	11,630
Allentown	13	12	10	10	6	76
Altoona	10	10	5	3	10	39
Bethel Park	6	6	8	2	1	33
Bethlehem	7	15	6	4	1	59
Chambersburg	6	3	1	2	1	29
Chester	5	5	4	3	1	34
Easton	3	8	0	2	1	29
Erie	11	14	11	5	6	96
Harrisburg	7	7	5	5	3	35
Hazleton	2	7	3	3	0	18
Johnstown	7	3	2	0	3	18
Lancaster	4	6	4	2	3	39
Lebanon	4	2	1	0	3	20
Monroeville	4	6	6	3	2	32
Murrysville	2	4	1	2	5	20
New Castle	7	3	1	2	1	21
Norristown	3	3	2	1	0	16
Philadelphia	208	209	138	65	71	1,132
Pittsburgh	35	48	17	17	15	235
Plum	5	7	1	1	2	27
Pottstown	7	5	1	2	0	31
Reading	7	9	8	3	2	65
Scranton	8	7	8	8	8	70
State College	1	4	0	1	0	9
West Mifflin	2	7	3	2	2	23
Wilkes Barre	7	7	4	5	2	52
Williamsport	4	7	4	3	2	25
York	6	4	2	1	0	29
All Other Areas	1,492	1,759	1,129	875	754	9,318

Note: See Tables C-17B and C-17C regarding cancer site definitions.

Table C-41 (Continued)
Selected Causes of Death for Selected Municipalities
Pennsylvania Residents, 2022

Municipality	Cerebrovascular Disease	Chronic Lower Respiratory Disease	Accidents			Diabetes Mellitus	Alzheimer's Disease
			Non-Transport	Motor Vehicle	Other Transport		
Pennsylvania	6,824	5,831	8,488	1,280	97	4,106	3,991
Allentown	44	44	122	17	1	32	22
Altoona	11	34	40	4	0	29	19
Bethel Park	17	15	26	1	0	15	12
Bethlehem	23	28	42	5	2	30	23
Chambersburg	8	16	12	3	1	12	5
Chester	15	12	31	8	0	16	5
Easton	9	15	21	1	1	10	4
Erie	51	47	89	13	1	35	9
Harrisburg	19	14	60	8	2	14	10
Hazleton	13	13	21	2	0	13	4
Johnstown	10	11	53	2	0	13	5
Lancaster	24	18	44	4	0	16	10
Lebanon	7	13	20	0	1	6	3
Monroeville	17	16	15	2	0	8	16
Murrysville	11	8	9	1	0	3	6
New Castle	13	19	53	2	0	16	11
Norristown	16	13	25	5	1	8	5
Philadelphia	703	450	1,500	150	12	401	231
Pittsburgh	144	106	307	22	1	76	64
Plum	13	17	13	2	0	6	11
Pottstown	14	16	36	3	0	4	6
Reading	40	29	94	6	2	27	19
Scranton	33	51	75	8	0	27	23
State College	13	5	9	2	0	1	10
West Mifflin	12	16	18	4	0	4	10
Wilkes Barre	21	25	43	3	0	28	7
Williamsport	11	13	9	4	0	9	6
York	19	16	53	2	1	17	14
All Other Areas	5,493	4,751	5,648	996	71	3,230	3,421

Table C-41 (Continued)
Selected Causes of Death for Selected Municipalities
Pennsylvania Residents, 2022

Municipality	Nephritis, Nephrotic Syn. & Nephrosis	Septicemia	Influenza & Pneumonia	Intentional Self-harm (Suicide)	Chronic Liver Disease & Cirrhosis	Parkinson's Disease	Essential Hypertension & Hypertensive Renal Disease
Pennsylvania	3,125	2,529	2,004	1,925	1,821	1,717	1,358
Allentown	17	13	14	15	10	11	6
Altoona	23	12	9	1	13	6	7
Bethel Park	11	5	6	2	4	4	2
Bethlehem	12	12	8	8	13	11	9
Chambersburg	8	3	4	2	6	2	3
Chester	7	7	7	3	2	0	2
Easton	4	3	3	3	4	2	1
Erie	34	14	13	19	15	7	10
Harrisburg	14	10	9	7	12	2	8
Hazleton	4	11	2	1	3	2	3
Johnstown	11	4	7	2	2	1	7
Lancaster	10	10	5	7	9	3	0
Lebanon	8	5	1	5	1	1	0
Monroeville	11	11	3	4	5	5	3
Murrysville	2	7	1	3	1	5	6
New Castle	8	7	10	6	8	2	8
Norristown	7	3	4	3	4	1	4
Philadelphia	321	380	220	192	143	97	133
Pittsburgh	67	47	27	32	38	18	42
Plum	7	3	4	3	3	4	0
Pottstown	6	4	7	6	3	0	3
Reading	13	9	7	6	16	1	6
Scranton	27	16	14	11	21	8	11
State College	2	0	2	1	1	5	1
West Mifflin	7	4	2	5	6	2	4
Wilkes Barre	11	10	8	3	9	3	13
Williamsport	5	10	3	10	9	2	2
York	11	9	6	11	8	2	4
All Other Areas	2,457	1,900	1,598	1,554	1,452	1,510	1,060

Table C-41 (Continued)
Selected Causes of Death for Selected Municipalities
Pennsylvania Residents, 2022

Municipality	Assault (Homicide)	Nutritional Deficiencies	In Situ, Benign, & Uncertain Neoplasms	Perinatal Conditions	Congenital Malformations & Chromosomal Anomalies	All Other Causes
Pennsylvania	1059	966	775	407	359	38,722
Allentown	16	13	2	8	5	319
Altoona	1	0	0	3	2	150
Bethel Park	0	5	3	1	3	108
Bethlehem	1	13	6	5	1	219
Chambersburg	2	8	2	1	0	114
Chester	15	0	4	4	0	109
Easton	1	5	2	0	0	64
Erie	6	10	7	4	2	329
Harrisburg	19	6	6	3	0	110
Hazleton	1	0	1	1	2	74
Johnstown	9	2	1	3	1	82
Lancaster	5	2	2	5	2	110
Lebanon	3	3	1	1	0	79
Monroeville	2	7	5	2	1	111
Murrysville	0	4	1	0	0	73
New Castle	1	1	4	1	2	91
Norristown	7	1	2	4	1	78
Philadelphia	528	90	49	70	31	3,694
Pittsburgh	50	23	19	16	10	689
Plum	0	7	1	0	1	102
Pottstown	3	0	1	2	0	75
Reading	15	8	6	7	4	169
Scranton	2	2	5	2	1	269
State College	0	0	1	0	0	32
West Mifflin	1	4	3	1	0	69
Wilkes Barre	3	3	4	1	1	171
Williamsport	6	0	0	5	1	81
York	13	1	6	1	0	102
All Other Areas	349	748	631	256	288	31,049

Table C-42
Selected Causes of Death for Selected Municipalities
Number and Average Annual Rate*: Pennsylvania Residents, 2018-2022

Municipality	Diseases of Heart		Cancer (Malignant Neoplasms)		Cerebrovascular Disease		Chronic Lower Respiratory Disease		Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	162,543	251.9	138,705	214.9	33,751	52.3	30,277	46.9	46,735	72.4
Allentown	972	156.8	941	151.8	228	36.8	184	29.7	579	93.4
Altoona	797	366.4	569	261.6	91	41.8	172	79.1	195	89.6
Bethel Park	460	280.1	414	252.1	104	63.3	82	49.9	101	61.5
Bethlehem	819	215.3	728	191.3	158	41.5	128	33.6	264	69.4
Chambersburg	401	367.8	274	251.3	67	61.5	80	73.4	75	68.8
Chester	415	249.1	350	210.1	92	55.2	75	45.0	151	90.6
Easton	361	256.4	230	163.4	33	23.4	57	40.5	109	77.4
Erie	1,119	236.0	994	209.6	245	51.7	242	51.0	375	79.1
Harrisburg	569	228.6	440	176.8	87	35.0	83	33.3	296	118.9
Hazleton	330	236.9	233	167.2	49	35.2	63	45.2	96	68.9
Johnstown	320	342.8	277	296.8	58	62.1	71	76.1	211	226.1
Lancaster	419	143.8	400	137.3	115	39.5	95	32.6	236	81.0
Lebanon	368	279.7	231	175.6	49	37.2	82	62.3	108	82.1
Monroeville	473	337.6	349	249.1	89	63.5	87	62.1	90	64.2
Murrysville	287	282.0	191	187.7	50	49.1	51	50.1	56	55.0
New Castle	482	444.0	313	288.3	72	66.3	104	95.8	180	165.8
Norristown	410	232.7	262	148.7	96	54.5	60	34.1	173	98.2
Philadelphia	17,801	225.0	14,222	179.7	3,703	46.8	2,605	32.9	7,529	95.2
Pittsburgh	3,647	241.9	2,802	185.9	681	45.2	667	44.2	1,468	97.4
Plum	353	261.7	332	246.2	64	47.5	67	49.7	77	57.1
Pottstown	308	266.7	281	243.3	68	58.9	62	53.7	136	117.8
Reading	736	159.5	623	135.0	167	36.2	159	34.4	407	88.2
Scranton	1,278	335.0	881	230.9	185	48.5	254	66.6	363	95.1
State College	157	76.8	102	49.9	58	28.4	22	10.8	31	15.2
West Mifflin	375	384.9	297	304.9	59	60.6	52	53.4	97	99.6
Wilkes Barre	607	282.7	468	218.0	97	45.2	131	61.0	223	103.9
Williamsport	279	200.4	298	214.0	57	40.9	93	66.8	96	68.9
York	344	154.6	388	174.4	91	40.9	82	36.9	326	146.5
All Other Areas	127,656	258.2	110,815	224.1	26,838	54.3	24,367	49.3	32,687	66.1

*Rate per 100,000 population for each specified area, 2018-2022.

INDUCED ABORTIONS

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Table D-1
Induced Abortions, Number and Rate, Pennsylvania Residents,
and Number of Pennsylvania Occurrences, 1975, 1980-2022

Year	Residents		Number of Occurrences
	Number	Rate*	
2022	31,527	12.9	34,838
2021	30,854	12.7	33,206
2020	29,979	12.4	32,123
2019	28,796	12.1	31,018
2018	28,240	11.8	30,364
2017	28,234	11.8	30,011
2016	29,214	12.3	30,881
2015	30,232	12.6	31,818
2014	30,764	12.8	32,126
2013	30,749	12.7	32,108
2012	33,166	13.7	34,536
2011	34,459	14.2	36,280
2010	35,227	14.4	36,778
2009	35,684	14.3	37,284
2008	37,222	15.1	38,807
2007	35,217	14.2	36,663
2006	35,192	14.1	36,731
2005	33,468	13.4	34,909
2004	34,517	13.7	36,030
2003	35,215	14.0	36,908
2002	33,503	13.3	35,167
2001	35,025	13.8	36,820
2000	33,901	13.2	35,630
1999	32,863	13.1	34,494
1998	33,954	13.4	35,617
1997	35,478	13.9	37,135
1996	36,158	14.0	38,004
1995	37,173	14.3	39,050
1994	39,628	15.0	41,645
1993	45,198	17.1	47,926
1992	45,847	17.1	49,042
1991	47,750	17.8	50,988
1990	49,076	18.3	52,143
1989	48,274	17.5	51,341
1988	47,802	17.4	50,786
1987	48,931	17.9	51,630
1986	49,537	18.2	51,666
1985	51,054	18.8	53,465
1984	56,462	20.9	59,258
1983	55,726	20.7	59,288
1982	56,901	21.3	60,772
1981	58,820	22.1	62,701
1980	61,064	23.1	65,777
1975	38,050	15.1	43,319

*Rate per 1,000 female population age 15-44 years.

Table D-2
Induced Abortions by Age of Woman, Number and Rate, Pennsylvania Residents, 2022
and Number, Pennsylvania Occurrences, 2022, 2020, 2015, 2010, 2005, 2000 and 1995

Age of Woman (In Years)	2022 Residents		Occurrences						
	Number	Rate*	2022	2020	2015	2010	2005	2000	1995
All Ages	31,527	12.9	34,838	32,123	31,818	36,778	34,909	35,630	39,050
Under 15	66	0.2	76	102	86	190	226	304	375
15 - 19	2,471	6.0	2,724	2,437	3,028	5,728	5,760	6,505	7,297
20 - 24	8,399	20.3	9,351	8,627	10,339	12,930	11,714	11,643	12,797
25 - 29	9,170	23.3	10,107	9,841	9,119	8,522	7,903	7,800	8,778
30 - 34	6,885	16.0	7,591	6,682	5,303	5,258	5,028	5,196	5,500
35 - 39	3,437	8.4	3,765	3,344	2,951	2,999	3,105	3,063	3,355
40 - 44	1,015	2.6	1,131	994	909	1,031	1,098	1,064	900
45 & Over	84	0.2	93	96	83	109	74	55	48
Unknown	0	-	0	0	0	11	1	0	0

*Rate per 1,000 female population by age group. All ages includes females age 15-44 years; under 15 includes females age 10-14 years; and 45 & over includes females age 45-49 years.

Table D-3
Induced Abortions by Weeks of Gestation
Number and Percent: Pennsylvania Residents, 2022

Weeks of Gestation	Number	Percent
Total	31,527	100.0
8 Weeks or Less	20,428	64.8
9 - 10	5,520	17.5
11 - 12	2,153	6.8
13 - 14	1,394	4.4
15 - 17	1,090	3.5
18 - 20	562	1.8
21 - 23	380	1.2
24 Weeks or More	0	0.0

Table D-4
Induced Abortions by Primary Type of Procedure
Number and Percent: Pennsylvania Residents, 2022

Primary Type of Procedure	Number	Percent
Total	31,527	100.0
Suction Curettage	12,321	39.1
Dilation & Evacuation	1,474	4.7
Medication	17,619	55.9
Other	113	0.4

Table D-5
Induced Abortions by Race and Hispanic Origin of Woman and Marital Status
Number and Percent*: Pennsylvania Residents, 2022

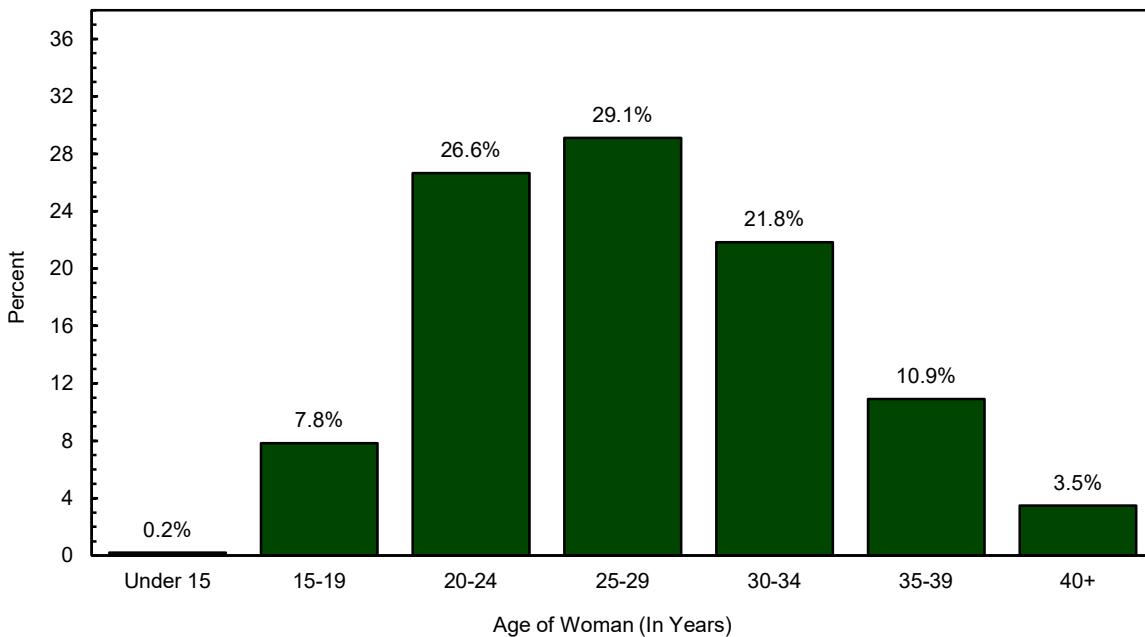
Race and Hispanic Origin of Woman	Total Induced Abortions	Marital Status**			
		Married		Unmarried	
		Number	Percent	Number	Percent
All Races	31,527	3,669	11.7	27,563	88.3
White	14,457	2,179	15.1	12,221	84.9
Black	13,589	654	4.8	12,864	95.2
Asian/Pacific Isl.	1,172	572	49.1	594	50.9
Multi-Race	1,220	95	7.8	1,123	92.2
Hispanic Origin	4,088	485	11.9	3,585	88.1

* Percent of total induced abortions for each specified group. Unknowns excluded from calculations.

** Unknown marital status included in total induced abortions.

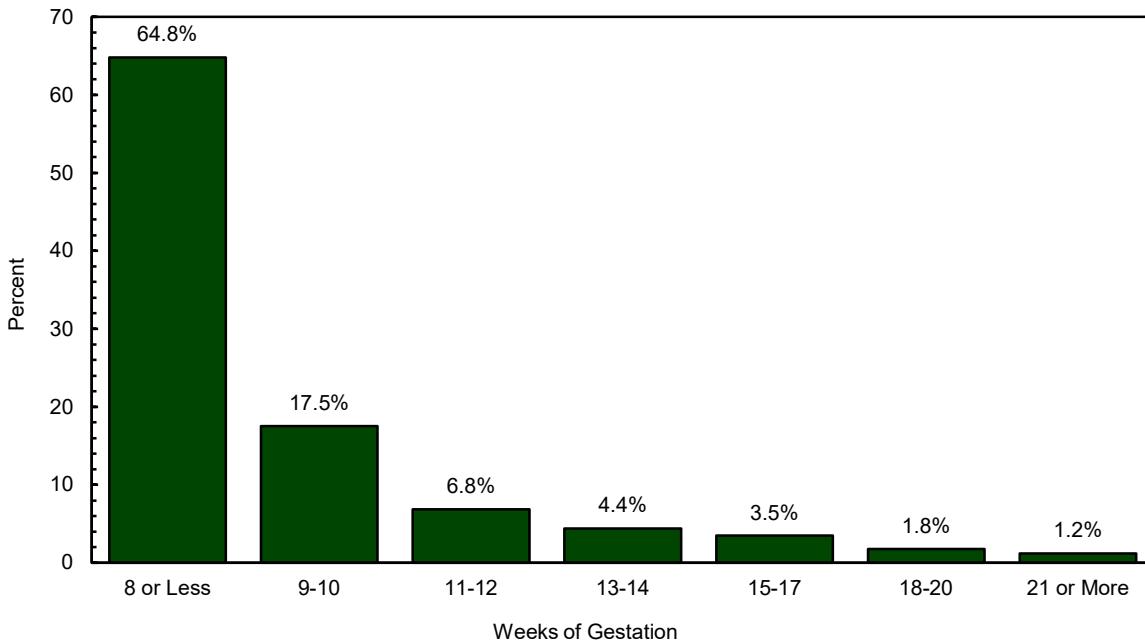
Note: Hispanic origin can be of any race. Percents may not sum to 100 due to rounding.

Figure D-1
Induced Abortions, Percent by Age Group
Pennsylvania Residents, 2022



Note: Percents may not sum to 100 due to rounding.

Figure D-2
Induced Abortions, Percent by Weeks of Gestation
Pennsylvania Residents, 2022



Note: Percents may not sum to 100 due to rounding.

Table D-6
Induced Abortions by Age of Woman and County
Number and Rate*: Pennsylvania Residents, 2022

County	All Ages	Rate	Age of Woman (In Years)								
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	
Pennsylvania	31,527	12.9	66	2,471	8,399	9,170	6,885	3,437	1,015	84	
Adams	78	4.2	0	7	23	24	14	7	3	0	
Allegheny	3,583	14.7	8	287	925	1,076	775	401	101	10	
Armstrong	49	4.8	0	6	15	13	11	2	2	0	
Beaver	250	9.0	0	32	64	81	40	24	9	0	
Bedford	14	1.9	0	0	4	7	1	1	1	0	
Berks	971	12.0	1	91	308	270	178	96	27	0	
Blair	87	4.1	1	10	29	16	19	9	3	0	
Bradford	7	ND	0	0	4	0	2	1	0	0	
Bucks	1,134	10.2	2	89	260	286	249	188	53	7	
Butler	175	5.0	1	14	57	30	39	28	4	2	
Cambria	136	6.3	2	15	41	35	29	12	2	0	
Cameron	5	ND	0	0	1	2	2	0	0	0	
Carbon	104	9.8	0	11	29	23	16	18	7	0	
Centre	129	3.6	0	15	48	23	22	16	5	0	
Chester	924	9.1	0	65	246	237	206	128	39	3	
Clarion	32	4.4	0	2	14	4	10	2	0	0	
Clearfield	49	4.1	0	4	21	8	9	4	3	0	
Clinton	34	4.5	0	2	8	7	10	6	1	0	
Columbia	68	5.0	0	12	17	16	13	7	3	0	
Crawford	41	2.9	1	5	14	10	4	4	3	0	
Cumberland	369	7.1	0	27	97	98	82	48	15	2	
Dauphin	1,022	18.3	5	69	300	311	196	106	31	4	
Delaware	1,819	15.8	2	122	458	512	414	240	64	7	
Elk	14	3.1	1	1	2	2	7	0	1	0	
Erie	256	5.1	1	25	89	71	46	22	2	0	
Fayette	238	11.7	0	21	81	57	49	20	9	1	
Forest	3	ND	0	0	1	2	0	0	0	0	
Franklin	58	2.1	0	6	29	13	6	3	1	0	
Fulton	8	ND	0	0	3	1	2	2	0	0	
Greene	24	4.3	0	3	12	7	1	1	0	0	
Huntingdon	41	5.9	0	6	11	8	7	7	1	1	
Indiana	86	5.1	1	12	40	18	6	8	1	0	
Jefferson	32	4.5	0	1	12	10	3	5	1	0	

(Continued)

Table D-6
Induced Abortions by Age of Woman and County
Number and Rate*: Pennsylvania Residents, 2022

County	All Ages	Rate	Age of Woman (In Years)								45 & Over
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	
Juniata	17	4.4	0	2	8	3	1	3	0	0	
Lackawanna	447	11.3	1	40	127	115	98	52	11	3	
Lancaster	680	6.5	2	47	193	196	160	58	23	1	
Lawrence	98	6.9	0	12	36	27	14	4	4	1	
Lebanon	174	6.8	0	23	50	58	26	9	8	0	
Lehigh	1,292	17.7	4	95	351	395	260	140	39	8	
Luzerne	779	13.5	3	63	251	214	149	82	17	0	
Lycoming	137	6.6	0	11	38	57	20	6	5	0	
McKean	11	1.7	0	1	4	4	1	0	1	0	
Mercer	141	7.7	1	7	39	48	25	16	5	0	
Mifflin	90	11.9	0	3	18	34	18	14	3	0	
Monroe	408	13.9	0	29	108	111	93	41	24	2	
Montgomery	2,047	12.6	3	133	514	512	501	273	106	5	
Montour	11	3.6	0	0	3	4	2	2	0	0	
Northampton	690	11.6	2	71	157	197	161	82	18	2	
Northumberland	120	8.1	1	8	25	37	29	16	4	0	
Perry	42	5.6	0	3	14	9	12	3	1	0	
Philadelphia	10,573	28.7	17	783	2,674	3,323	2,452	1,023	281	20	
Pike	44	4.9	0	6	14	8	8	5	3	0	
Potter	3	ND	0	1	0	0	2	0	0	0	
Schuylkill	205	8.9	1	18	51	65	33	30	7	0	
Snyder	37	5.1	0	3	9	13	5	3	4	0	
Somerset	62	5.9	0	4	24	19	8	4	2	1	
Sullivan	6	ND	0	0	1	3	1	1	0	0	
Susquehanna	27	4.8	0	0	13	8	5	1	0	0	
Tioga	1	ND	0	0	1	0	0	0	0	0	
Union	27	3.4	0	4	11	4	6	0	2	0	
Venango	35	4.6	0	4	8	9	10	4	0	0	
Warren	9	ND	1	0	5	0	2	0	1	0	
Washington	267	7.4	0	25	80	63	55	30	14	0	
Wayne	53	7.4	0	5	9	24	6	5	3	1	
Westmoreland	366	6.5	2	44	92	101	71	45	11	0	
Wyoming	22	5.0	0	3	6	7	3	2	1	0	
York	766	9.2	2	63	202	224	180	67	25	3	

*Rate per 1,000 female population age 15-44 years.

Note: Rates based on less than 10 events are considered statistically unreliable and not displayed (ND).

Total includes unknown county.

Table D-7
Induced Abortions by County of Procedure
Pennsylvania Occurrences, 2022

County	Number	County	Number
Pennsylvania	34,838		
Adams	0	Lackawanna	0
Allegheny	7,804	Lancaster	0
Armstrong	0	Lawrence	0
Beaver	0	Lebanon	0
Bedford	0	Lehigh	1,686
Berks	1,064	Luzerne	749
Blair	0	Lycoming	0
Bradford	0	McKean	0
Bucks	1,507	Mercer	0
Butler	0	Mifflin	0
Cambria	0	Monroe	0
Cameron	0	Montgomery	1,069
Carbon	0	Montour	4
Centre	0	Northampton	2,403
Chester	830	Northumberland	0
Clarion	0	Perry	0
Clearfield	0	Philadelphia	13,054
Clinton	0	Pike	0
Columbia	0	Potter	0
Crawford	0	Schuylkill	0
Cumberland	0	Snyder	0
Dauphin	1,498	Somerset	0
Delaware	1,329	Sullivan	0
Elk	0	Susquehanna	0
Erie	0	Tioga	0
Fayette	0	Union	0
Forest	0	Venango	0
Franklin	0	Warren	0
Fulton	0	Washington	0
Greene	0	Wayne	0
Huntingdon	0	Westmoreland	0
Indiana	0	Wyoming	0
Jefferson	0	York	1,841
Juniata	0		

REPORTED PREGNANCIES

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Table E-1
Reported Pregnancies, Number and Rate*
Pennsylvania Residents, 1980-2022

Year	Number	Rate
2022	162,833	66.6
2021	164,703	67.9
2020	161,677	66.8
2019	164,212	68.9
2018	165,082	69.3
2017	167,255	70.2
2016	169,836	71.3
2015	172,220	71.7
2014	174,100	72.3
2013	172,431	71.4
2012	175,438	72.3
2011	177,831	73.1
2010	179,003	73.3
2009	182,625	73.4
2008	187,696	76.0
2007	187,112	75.4
2006	185,257	74.1
2005	179,896	71.9
2004	180,060	71.7
2003	182,092	72.3
2002	177,290	70.1
2001	179,915	70.9
2000	181,321	70.8
1999	179,291	71.5
1998	181,218	71.7
1997	181,016	70.9
1996	185,587	71.8
1995	189,713	72.8
1994	197,772	75.1
1993	206,537	77.9
1992	211,205	79.0
1991	217,330	80.9
1990	222,084	82.6
1989	218,258	79.2
1988	214,884	78.1
1987	213,173	77.9
1986	211,649	77.7
1985	212,828	78.2
1984	215,070	79.4
1983	215,506	80.0
1982	220,394	82.3
1981	220,936	83.0
1980	222,220	84.2

*Rate per 1,000 female population age 15-44 years.

Table E-2
Reported Pregnancies by Age of Woman, Number and Rate*
Pennsylvania Residents, 2022, 2020, 2010, and 2000

Age of Woman (In Years)	2022		2020		2010		2000	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Ages	162,833	66.6	161,677	66.8	179,003	73.3	181,321	70.8
Under 15	119	0.3	153	0.4	340	0.9	596	1.4
15 - 17	1,727	7.2	1,907	8.2	5,326	21.2	6,837	28.1
18 - 19	5,115	29.9	5,321	31.2	12,205	63.8	13,658	78.5
20 - 29	73,247	90.7	76,053	94.7	93,850	114.3	90,358	122.2
30 & Over	82,611	52.1	78,224	49.0	67,150	40.4	69,872	37.5
Unknown	14	-	19	-	132	-	**	-

* Rate per 1,000 female population for each year by age group. All ages includes females age 15-44 years; under 15 includes females age 10-14 years; and 30 & over includes females age 30-49 years.

** Unknown age of woman included in the age group 20-29 years.

Note: Unknowns excluded from calculations for 2010, 2020, and 2022.

Table E-3
Reported Pregnancies by Age, Race and Hispanic Origin of Woman
Number and Rate*: Pennsylvania Residents, 2022

Age of Woman (In Years)	Race										Hispanic Origin	
	All Races		White		Black		Asian/Pacific Islander		Multi-Race		Number	Rate
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Ages	162,833	66.6	104,568	55.5	31,844	91.5	7,499	57.2	4,719	68.0	22,296	87.2
Under 15	119	0.3	49	0.2	41	0.7	1	ND	11	0.6	24	0.5
15 - 17	1,727	7.2	697	3.9	631	18.0	10	0.9	139	12.4	449	15.2
18 - 19	5,115	29.9	2,428	18.5	1,630	68.7	82	9.7	272	40.1	1,318	69.4
20 - 24	28,316	68.4	15,844	50.1	7,330	121.9	612	29.6	1,223	82.6	5,923	127.7
25 - 29	44,931	114.2	28,582	95.4	9,487	159.0	1,587	77.9	1,349	111.7	6,393	152.8
30 - 34	50,634	118.0	35,091	107.3	8,038	122.5	2,970	121.8	1,089	107.5	5,004	119.9
35 - 39	26,030	63.5	18,046	56.0	3,700	68.8	1,795	73.6	505	65.5	2,495	63.0
40 - 44	5,486	14.1	3,562	11.6	888	17.7	399	18.0	119	17.9	634	16.8
45 & Over	461	1.3	262	0.9	98	2.2	43	2.2	12	2.2	55	1.7
Unknown	14	-	7	-	1	-	0	-	0	-	1	-

* Rate per 1,000 female population for each specified group, 2022. All ages includes females age 15-44 years; under 15 includes females 10-14 years; and 45 & over includes females age 45-49 years.

Notes: Unknowns excluded from calculations.

Hispanic origin can be of any race.

Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Starting with 2003, the collection process for race on the birth certificate data has changed. Please refer to Section F of the Technical Notes for further explanation.

Starting with 2013, the collection of race data for live births and fetal deaths have changed. Please refer to Section J of the Technical Notes for further explanation.

Table E-4
Reported Pregnancies by Race and Hispanic Origin of Woman and Outcome
Number and Percent*: Pennsylvania Residents, 2022

Race and Hispanic Origin of Woman	Reported Pregnancies	Outcome					
		Live Births		Fetal Deaths		Induced Abortions	
		Number	Percent	Number	Percent	Number	Percent
All Races	162,833	130,302	80.0	1,004	0.6	31,527	19.4
White	104,568	89,563	85.7	548	0.5	14,457	13.8
Black	31,844	18,045	56.7	210	0.7	13,589	42.7
Asian/Pac. Isl.	7,499	6,278	83.7	49	0.7	1,172	15.6
Multi-Race	4,719	3,477	73.7	22	0.5	1,220	25.9
Hispanic Origin	22,296	18,070	81.0	138	0.6	4,088	18.3

* Percent of total reported pregnancies for each specified group.

Notes: Hispanic origin can be of any race. Percents may not sum to 100 due to rounding.

Starting with 2003, the collection process for race data on the birth certificate has changed.

Please refer to Section F of the Technical Notes for further explanation.

Starting with 2013, the collection of race data for live births and fetal death have changed. Please refer to Section J of the Technical Notes for further explanation.

Figure E-1
Reported Pregnancies, Percent by Woman's Age Group
Pennsylvania Residents, 2022

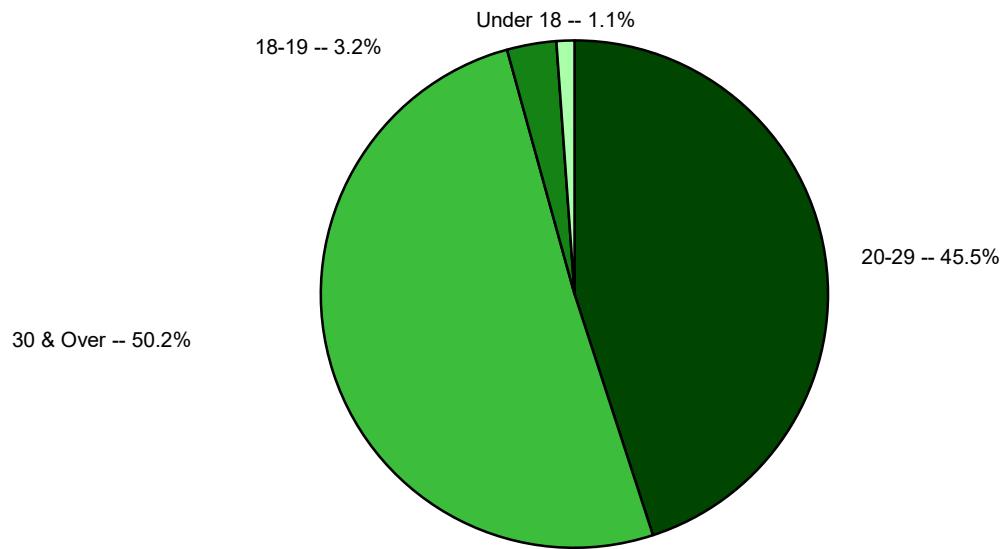
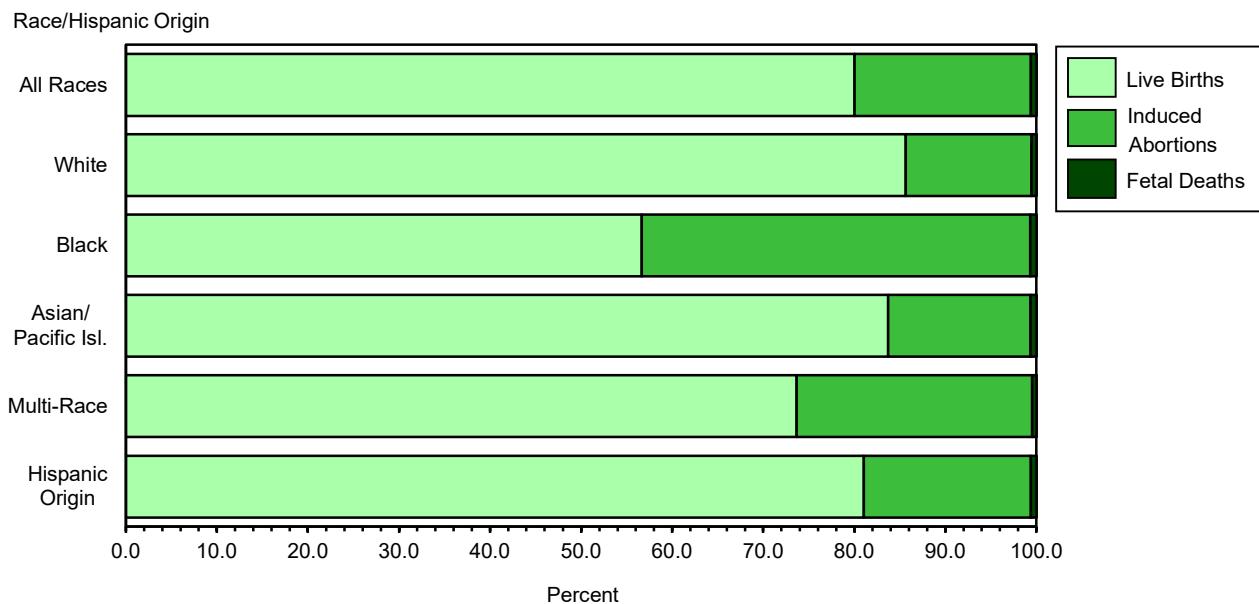


Figure E-2
Reported Pregnancies by Race and Hispanic Origin of Woman
and Outcome, Pennsylvania Residents, 2022



Note: Hispanic origin can be of any race.

Starting in 2013, the categorization of race data for live births and fetal deaths have changed. Please refer to Section J of the Technical Notes for further explanation.

Table E-5
Reported Pregnancies by Outcome, Woman's Age Group
and County of Residence, Pennsylvania, 2022

County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions	County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions
Pennsylvania									
All Ages	162,833	130,302	1,004	31,527	All Ages	6,760	5,595	31	1,134
Under 15	119	52	1	66	Under 15	2	0	0	2
15-17	1,727	1,089	6	632	15-17	26	15	0	11
18-19	5,115	3,241	35	1,839	18-19	147	69	0	78
20-29	73,247	55,273	405	17,569	20-29	2,248	1,695	7	546
30 & Over	82,611	70,633	557	11,421	30 & Over	4,337	3,816	24	497
Adams									
All Ages	1,025	942	5	78	All Ages	1,881	1,699	7	175
Under 15	0	0	0	0	Under 15	1	0	0	1
15-17	5	5	0	0	15-17	13	10	0	3
18-19	25	18	0	7	18-19	43	32	0	11
20-29	524	474	3	47	20-29	756	665	4	87
30 & Over	471	445	2	24	30 & Over	1,068	992	3	73
Allegheny									
All Ages	15,508	11,831	94	3,583	All Ages	1,333	1,191	6	136
Under 15	13	5	0	8	Under 15	3	1	0	2
15-17	163	78	0	85	15-17	22	18	0	4
18-19	426	219	5	202	18-19	54	42	1	11
20-29	6,068	4,033	34	2,001	20-29	713	636	1	76
30 & Over	8,837	7,495	55	1,287	30 & Over	541	494	4	43
Armstrong									
All Ages	590	539	2	49	All Ages	40	35	0	5
Under 15	0	0	0	0	Under 15	0	0	0	0
15-17	3	2	0	1	15-17	0	0	0	0
18-19	17	12	0	5	18-19	1	1	0	0
20-29	325	297	0	28	20-29	23	20	0	3
30 & Over	244	227	2	15	30 & Over	16	14	0	2
Beaver									
All Ages	1,774	1,519	5	250	All Ages	637	532	1	104
Under 15	1	1	0	0	Under 15	0	0	0	0
15-17	23	12	0	11	15-17	2	1	0	1
18-19	60	39	0	21	18-19	26	16	0	10
20-29	819	674	0	145	20-29	325	273	0	52
30 & Over	871	793	5	73	30 & Over	284	242	1	41
Bedford									
All Ages	491	473	4	14	All Ages	1,258	1,120	9	129
Under 15	0	0	0	0	Under 15	0	0	0	0
15-17	1	1	0	0	15-17	2	2	0	0
18-19	18	18	0	0	18-19	32	17	0	15
20-29	266	253	2	11	20-29	477	401	5	71
30 & Over	206	201	2	3	30 & Over	747	700	4	43
Berks									
All Ages	5,597	4,585	41	971	All Ages	6,569	5,608	37	924
Under 15	2	1	0	1	Under 15	1	1	0	0
15-17	63	45	0	18	15-17	43	23	0	20
18-19	228	153	2	73	18-19	115	69	1	45
20-29	2,864	2,267	19	578	20-29	2,024	1,531	10	483
30 & Over	2,439	2,118	20	301	30 & Over	4,384	3,982	26	376
Blair									
All Ages	1,291	1,190	14	87	All Ages	400	365	3	32
Under 15	2	1	0	1	Under 15	2	2	0	0
15-17	15	12	0	3	15-17	7	6	0	1
18-19	51	42	2	7	18-19	13	12	0	1
20-29	692	642	5	45	20-29	218	199	1	18
30 & Over	531	493	7	31	30 & Over	160	146	2	12
Bradford									
All Ages	617	608	2	7	All Ages	724	671	4	49
Under 15	0	0	0	0	Under 15	0	0	0	0
15-17	10	10	0	0	15-17	9	8	0	1
18-19	28	28	0	0	18-19	22	19	0	3
20-29	357	352	1	4	20-29	393	363	1	29
30 & Over	222	218	1	3	30 & Over	300	281	3	16

(Continued)

Table E-5
Reported Pregnancies by Outcome, Woman's Age Group
and County of Residence, Pennsylvania, 2022

County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions	County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions
Clinton					Forest				
All Ages	465	430	1	34	All Ages	23	20	0	3
Under 15	0	0	0	0	Under 15	0	0	0	0
15-17	7	7	0	0	15-17	0	0	0	0
18-19	12	10	0	2	18-19	0	0	0	0
20-29	269	254	0	15	20-29	12	9	0	3
30 & Over	177	159	1	17	30 & Over	11	11	0	0
Columbia					Franklin				
All Ages	659	586	5	68	All Ages	1,778	1,709	11	58
Under 15	0	0	0	0	Under 15	1	1	0	0
15-17	10	5	0	5	15-17	14	12	0	2
18-19	29	20	2	7	18-19	62	58	0	4
20-29	343	308	2	33	20-29	981	936	3	42
30 & Over	277	253	1	23	30 & Over	720	702	8	10
Crawford					Fulton				
All Ages	901	855	5	41	All Ages	148	139	1	8
Under 15	1	0	0	1	Under 15	0	0	0	0
15-17	12	9	0	3	15-17	1	1	0	0
18-19	49	47	0	2	18-19	4	4	0	0
20-29	490	463	3	24	20-29	100	95	1	4
30 & Over	348	335	2	11	30 & Over	43	39	0	4
Cumberland					Greene				
All Ages	3,094	2,701	24	369	All Ages	291	265	2	24
Under 15	1	1	0	0	Under 15	0	0	0	0
15-17	17	9	0	8	15-17	6	4	0	2
18-19	60	39	2	19	18-19	11	10	0	1
20-29	1,317	1,110	12	195	20-29	179	159	1	19
30 & Over	1,699	1,542	10	147	30 & Over	95	92	1	2
Dauphin					Huntingdon				
All Ages	4,347	3,280	45	1,022	All Ages	430	384	5	41
Under 15	5	0	0	5	Under 15	0	0	0	0
15-17	40	29	1	10	15-17	7	4	0	3
18-19	171	110	2	59	18-19	20	16	1	3
20-29	2,151	1,521	19	611	20-29	260	240	1	19
30 & Over	1,980	1,620	23	337	30 & Over	143	124	3	16
Delaware					Indiana				
All Ages	8,357	6,491	47	1,819	All Ages	829	735	8	86
Under 15	5	3	0	2	Under 15	1	0	0	1
15-17	82	41	0	41	15-17	4	3	0	1
18-19	200	119	0	81	18-19	33	21	1	11
20-29	3,044	2,056	18	970	20-29	479	417	4	58
30 & Over	5,026	4,272	29	725	30 & Over	312	294	3	15
Elk					Jefferson				
All Ages	259	243	2	14	All Ages	480	446	2	32
Under 15	1	0	0	1	Under 15	0	0	0	0
15-17	2	1	0	1	15-17	2	2	0	0
18-19	12	12	0	0	18-19	10	9	0	1
20-29	137	132	1	4	20-29	283	261	0	22
30 & Over	107	98	1	8	30 & Over	185	174	2	9
Erie					Juniata				
All Ages	2,931	2,652	23	256	All Ages	318	299	2	17
Under 15	6	5	0	1	Under 15	1	1	0	0
15-17	41	33	0	8	15-17	7	6	0	1
18-19	116	96	3	17	18-19	7	6	0	1
20-29	1,503	1,329	14	160	20-29	184	173	0	11
30 & Over	1,265	1,189	6	70	30 & Over	119	113	2	4
Fayette					Lackawanna				
All Ages	1,380	1,136	6	238	All Ages	2,430	1,967	16	447
Under 15	1	1	0	0	Under 15	1	0	0	1
15-17	16	11	0	5	15-17	25	16	0	9
18-19	77	61	0	16	18-19	83	52	0	31
20-29	778	637	3	138	20-29	1,111	862	7	242
30 & Over	506	424	3	79	30 & Over	1,210	1,037	9	164

(Continued)

Table E-5
Reported Pregnancies by Outcome, Woman's Age Group
and County of Residence, Pennsylvania, 2022

County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions	County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions
Lancaster					Monroe				
All Ages	7,838	7,095	63	680	All Ages	1,779	1,361	10	408
Under 15	3	1	0	2	Under 15	0	0	0	0
15-17	57	43	0	14	15-17	12	7	0	5
18-19	150	116	1	33	18-19	52	28	0	24
20-29	3,861	3,449	23	389	20-29	831	607	5	219
30 & Over	3,766	3,485	39	242	30 & Over	884	719	5	160
Lawrence					Montgomery				
All Ages	874	769	7	98	All Ages	10,593	8,487	59	2,047
Under 15	1	1	0	0	Under 15	5	2	0	3
15-17	9	6	0	3	15-17	63	32	1	30
18-19	27	18	0	9	18-19	196	91	2	103
20-29	451	384	4	63	20-29	3,334	2,291	17	1,026
30 & Over	386	360	3	23	30 & Over	6,995	6,071	39	885
Lebanon					Montour				
All Ages	1,742	1,564	4	174	All Ages	240	229	0	11
Under 15	0	0	0	0	Under 15	0	0	0	0
15-17	22	19	0	3	15-17	1	1	0	0
18-19	67	47	0	20	18-19	4	4	0	0
20-29	930	820	2	108	20-29	87	80	0	7
30 & Over	723	678	2	43	30 & Over	148	144	0	4
Lehigh					Northampton				
All Ages	5,143	3,822	29	1,292	All Ages	3,409	2,698	21	690
Under 15	5	1	0	4	Under 15	3	1	0	2
15-17	71	45	0	26	15-17	32	15	1	16
18-19	174	105	0	69	18-19	122	67	0	55
20-29	2,464	1,701	17	746	20-29	1,436	1,073	9	354
30 & Over	2,428	1,969	12	447	30 & Over	1,816	1,542	11	263
Luzerne					Northumberland				
All Ages	3,881	3,075	27	779	All Ages	930	801	9	120
Under 15	5	2	0	3	Under 15	2	1	0	1
15-17	50	36	0	14	15-17	7	4	0	3
18-19	153	104	0	49	18-19	29	23	1	5
20-29	1,979	1,500	14	465	20-29	506	442	2	62
30 & Over	1,693	1,432	13	248	30 & Over	386	331	6	49
Lycoming					Perry				
All Ages	1,236	1,085	14	137	All Ages	549	502	5	42
Under 15	0	0	0	0	Under 15	0	0	0	0
15-17	13	9	0	4	15-17	1	1	0	0
18-19	50	42	1	7	18-19	19	16	0	3
20-29	652	550	7	95	20-29	280	256	1	23
30 & Over	521	484	6	31	30 & Over	249	229	4	16
McKean					Philadelphia				
All Ages	348	334	3	11	All Ages	29,839	19,118	148	10,573
Under 15	0	0	0	0	Under 15	32	14	1	17
15-17	7	7	0	0	15-17	482	285	1	196
18-19	17	15	1	1	18-19	1,251	659	5	587
20-29	207	198	1	8	20-29	14,068	8,012	59	5,997
30 & Over	117	114	1	2	30 & Over	14,004	10,146	82	3,776
Mercer					Pike				
All Ages	1,102	953	8	141	All Ages	510	461	5	44
Under 15	2	1	0	1	Under 15	1	1	0	0
15-17	13	8	0	5	15-17	1	0	0	1
18-19	33	31	0	2	18-19	15	10	0	5
20-29	632	542	3	87	20-29	229	205	2	22
30 & Over	422	371	5	46	30 & Over	264	245	3	16
Mifflin					Potter				
All Ages	650	558	2	90	All Ages	149	145	1	3
Under 15	1	1	0	0	Under 15	0	0	0	0
15-17	3	3	0	0	15-17	0	0	0	0
18-19	16	13	0	3	18-19	2	1	0	1
20-29	395	343	0	52	20-29	95	94	1	0
30 & Over	235	198	2	35	30 & Over	52	50	0	2

(Continued)

Table E-5
Reported Pregnancies by Outcome, Woman's Age Group
and County of Residence, Pennsylvania, 2022

County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions	County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions
Schuylkill					Venango				
All Ages	1,432	1,221	6	205	All Ages	464	428	1	35
Under 15	1	0	0	1	Under 15	0	0	0	0
15-17	20	15	1	4	15-17	10	8	0	2
18-19	52	38	0	14	18-19	20	18	0	2
20-29	743	624	3	116	20-29	270	253	0	17
30 & Over	616	544	2	70	30 & Over	164	149	1	14
Snyder					Warren				
All Ages	431	388	6	37	All Ages	356	347	0	9
Under 15	0	0	0	0	Under 15	1	0	0	1
15-17	6	5	0	1	15-17	5	5	0	0
18-19	12	10	0	2	18-19	6	6	0	0
20-29	247	221	4	22	20-29	217	212	0	5
30 & Over	165	151	2	12	30 & Over	127	124	0	3
Somerset					Washington				
All Ages	678	613	3	62	All Ages	2,158	1,874	17	267
Under 15	0	0	0	0	Under 15	0	0	0	0
15-17	5	4	0	1	15-17	12	7	0	5
18-19	28	25	0	3	18-19	60	40	0	20
20-29	375	331	1	43	20-29	955	805	7	143
30 & Over	270	253	2	15	30 & Over	1,131	1,022	10	99
Sullivan					Wayne				
All Ages	39	33	0	6	All Ages	460	405	2	53
Under 15	0	0	0	0	Under 15	0	0	0	0
15-17	0	0	0	0	15-17	9	5	0	4
18-19	1	1	0	0	18-19	8	6	1	1
20-29	23	19	0	4	20-29	213	180	0	33
30 & Over	15	13	0	2	30 & Over	230	214	1	15
Susquehanna					Westmoreland				
All Ages	402	374	1	27	All Ages	3,299	2,910	23	366
Under 15	0	0	0	0	Under 15	4	2	0	2
15-17	4	4	0	0	15-17	33	14	1	18
18-19	7	7	0	0	18-19	90	64	0	26
20-29	222	200	1	21	20-29	1,459	1,256	10	193
30 & Over	169	163	0	6	30 & Over	1,713	1,574	12	127
Tioga					Wyoming				
All Ages	384	383	0	1	All Ages	236	213	1	22
Under 15	0	0	0	0	Under 15	0	0	0	0
15-17	6	6	0	0	15-17	2	2	0	0
18-19	14	14	0	0	18-19	8	5	0	3
20-29	220	219	0	1	20-29	118	105	0	13
30 & Over	144	144	0	0	30 & Over	108	101	1	6
Union					York				
All Ages	405	374	4	27	All Ages	5,662	4,841	55	766
Under 15	0	0	0	0	Under 15	2	0	0	2
15-17	5	2	0	3	15-17	66	50	0	16
18-19	9	8	0	1	18-19	161	113	1	47
20-29	216	200	1	15	20-29	2,819	2,364	29	426
30 & Over	175	164	3	8	30 & Over	2,614	2,314	25	275

* All ages includes unknown age of woman.

Table E-6
Reported Pregnancies by Outcome, Woman's Age Group and
County of Residence, Pennsylvania, Five-Year Summary, 2018-2022

County/ Age of Woman*	Reported Pregnancies 2018-2022	Live Births	Fetal Deaths	Induced Abortions	County/ Age of Woman*	Reported Pregnancies 2018-2022	Live Births	Fetal Deaths	Induced Abortions
Pennsylvania**									
All Ages	818,507	663,676	5,435	149,396	Bucks	33,327	28,182	144	5,001
Under 15	660	282	7	371	Under 15	11	2	0	9
15-17	9,543	6,270	94	3,179	15-17	157	83	3	71
18-19	27,164	18,371	205	8,588	18-19	620	303	4	313
20-29	383,977	296,199	2,317	85,461	20-29	11,525	8,988	40	2,497
30 & Over	397,063	342,456	2,810	51,797	30 & Over	21,009	18,801	97	2,111
Adams									
All Ages	4,984	4,658	41	285	Butler				
Under 15	0	0	0	0	All Ages	9,333	8,452	62	819
15-17	38	35	0	3	Under 15	3	1	0	2
18-19	157	135	0	22	15-17	51	41	0	10
20-29	2,644	2,436	22	186	18-19	197	144	0	53
30 & Over	2,145	2,052	19	74	20-29	3,838	3,350	27	461
Allegheny									
All Ages	79,059	62,217	467	16,375	30 & Over	5,241	4,913	35	293
Under 15	68	19	0	49	Cambria				
15-17	848	434	9	405	All Ages	6,703	5,958	56	689
18-19	2,010	1,143	26	841	Under 15	8	4	0	4
20-29	32,436	22,850	177	9,409	15-17	106	91	1	14
30 & Over	43,692	37,767	254	5,671	18-19	280	226	3	51
Armstrong									
All Ages	3,094	2,839	25	230	20-29	3,680	3,236	25	419
Under 15	2	2	0	0	30 & Over	2,629	2,401	27	201
15-17	32	24	2	6	Cameron				
18-19	108	90	0	18	All Ages	181	151	3	27
20-29	1,784	1,635	12	137	Under 15	0	0	0	0
30 & Over	1,167	1,087	11	69	15-17	3	2	0	1
Beaver									
All Ages	9,029	7,702	65	1,262	18-19	9	6	0	3
Under 15	6	2	0	4	20-29	112	93	2	17
15-17	111	73	0	38	30 & Over	57	50	1	6
18-19	298	214	0	84	Carbon				
20-29	4,385	3,617	30	738	All Ages	3,294	2,794	25	475
30 & Over	4,228	3,795	35	398	Under 15	0	0	0	0
Bedford									
All Ages	2,429	2,341	18	70	15-17	40	29	1	10
Under 15	0	0	0	0	18-19	122	91	1	30
15-17	17	17	0	0	20-29	1,726	1,446	11	269
18-19	92	83	0	9	30 & Over	1,406	1,228	12	166
20-29	1,435	1,387	9	39	Centre				
30 & Over	885	854	9	22	All Ages	6,189	5,569	35	585
Berks									
All Ages	27,374	22,848	185	4,341	Under 15	1	0	0	1
Under 15	29	15	0	14	15-17	14	13	0	1
15-17	435	330	2	103	18-19	120	79	2	39
18-19	1,186	905	10	271	20-29	2,672	2,302	11	359
20-29	14,222	11,546	83	2,593	30 & Over	3,382	3,175	22	185
30 & Over	11,500	10,050	90	1,360	Chester				
Blair									
All Ages	6,433	5,917	43	473	All Ages	31,643	27,214	170	4,259
Under 15	7	6	0	1	Under 15	11	8	0	3
15-17	78	66	0	12	15-17	192	100	2	90
18-19	282	234	2	46	18-19	564	319	5	240
20-29	3,577	3,294	18	265	20-29	10,502	8,207	49	2,246
30 & Over	2,487	2,315	23	149	30 & Over	20,370	18,576	114	1,680
Bradford									
All Ages	3,235	3,174	22	39	Clarion				
Under 15	1	1	0	0	All Ages	1,991	1,844	6	141
15-17	37	36	0	1	Under 15	5	5	0	0
18-19	161	157	2	2	15-17	17	16	0	1
20-29	1,935	1,898	13	24	18-19	58	51	0	7
30 & Over	1,100	1,081	7	12	20-29	1,145	1,061	3	81
					30 & Over	766	711	3	52
Clearfield									
All Ages					All Ages	3,734	3,458	34	242
Under 15					Under 15	3	1	1	1
15-17					15-17	45	37	0	8
18-19					18-19	123	105	2	16
20-29					20-29	2,138	1,985	14	139
30 & Over					30 & Over	1,425	1,330	17	78

(Continued)

Table E-6
Reported Pregnancies by Outcome, Woman's Age Group and
County of Residence, Pennsylvania, Five-Year Summary, 2018-2022

County/ Age of Woman*	Reported Pregnancies 2018-2022	Live Births	Fetal Deaths	Induced Abortions	County/ Age of Woman*	Reported Pregnancies 2018-2022	Live Births	Fetal Deaths	Induced Abortions
Clinton					Forest				
All Ages	2,211	2,061	17	133	All Ages	153	128	1	24
Under 15	0	0	0	0	Under 15	0	0	0	0
15-17	19	17	0	2	15-17	1	1	0	0
18-19	71	64	1	6	18-19	3	1	0	2
20-29	1,351	1,253	8	90	20-29	84	70	0	14
30 & Over	769	726	8	35	30 & Over	65	56	1	8
Columbia					Franklin				
All Ages	3,172	2,765	31	376	All Ages	8,763	8,500	69	194
Under 15	0	0	0	0	Under 15	6	5	0	1
15-17	23	15	0	8	15-17	97	91	1	5
18-19	116	87	4	25	18-19	295	276	5	14
20-29	1,691	1,452	17	222	20-29	4,842	4,687	23	132
30 & Over	1,339	1,208	10	121	30 & Over	3,523	3,441	40	42
Crawford					Fulton				
All Ages	4,674	4,382	46	246	All Ages	726	698	5	23
Under 15	3	2	0	1	Under 15	0	0	0	0
15-17	56	44	3	9	15-17	6	5	0	1
18-19	226	209	1	16	18-19	30	28	0	2
20-29	2,637	2,472	22	143	20-29	469	455	3	11
30 & Over	1,751	1,654	20	77	30 & Over	221	210	2	9
Cumberland					Greene				
All Ages	14,785	13,176	141	1,468	All Ages	1,752	1,565	9	178
Under 15	7	4	1	2	Under 15	2	1	0	1
15-17	92	64	1	27	15-17	28	23	0	5
18-19	340	253	3	84	18-19	73	64	0	9
20-29	6,706	5,842	65	799	20-29	1,076	962	5	109
30 & Over	7,640	7,013	71	556	30 & Over	573	515	4	54
Dauphin					Huntingdon				
All Ages	21,013	16,626	196	4,191	All Ages	2,175	1,967	17	191
Under 15	14	3	0	11	Under 15	0	0	0	0
15-17	290	215	5	70	15-17	27	20	0	7
18-19	830	584	8	238	18-19	98	86	1	11
20-29	10,737	8,170	109	2,458	20-29	1,321	1,214	7	100
30 & Over	9,138	7,650	74	1,414	30 & Over	729	647	9	73
Delaware					Indiana				
All Ages	41,320	32,010	240	9,070	All Ages	4,343	3,895	43	405
Under 15	26	7	0	19	Under 15	6	4	0	2
15-17	448	246	2	200	15-17	43	36	0	7
18-19	1,100	639	4	457	18-19	160	114	2	44
20-29	16,096	11,040	99	4,957	20-29	2,488	2,230	20	238
30 & Over	23,647	20,075	135	3,437	30 & Over	1,644	1,509	21	114
Elk					Jefferson				
All Ages	1,420	1,313	21	86	All Ages	2,485	2,333	14	138
Under 15	1	0	0	1	Under 15	1	0	0	1
15-17	7	4	0	3	15-17	14	11	0	3
18-19	43	39	1	3	18-19	98	88	0	10
20-29	795	732	14	49	20-29	1,493	1,403	6	84
30 & Over	574	538	6	30	30 & Over	879	831	8	40
Erie					Juniata				
All Ages	14,801	13,595	120	1,086	All Ages	1,541	1,461	15	65
Under 15	10	8	0	2	Under 15	1	1	0	0
15-17	239	201	4	34	15-17	18	17	0	1
18-19	642	572	7	63	18-19	49	42	0	7
20-29	7,780	7,041	62	677	20-29	860	815	8	37
30 & Over	6,129	5,772	47	310	30 & Over	613	586	7	20
Fayette					Lackawanna				
All Ages	7,059	6,104	32	923	All Ages	12,105	10,211	72	1,822
Under 15	8	6	0	2	Under 15	11	5	0	6
15-17	121	99	0	22	15-17	144	112	0	32
18-19	346	278	0	68	18-19	420	313	2	105
20-29	4,142	3,588	19	535	20-29	5,667	4,604	32	1,031
30 & Over	2,439	2,130	13	296	30 & Over	5,863	5,177	38	648

(Continued)

Table E-6
Reported Pregnancies by Outcome, Woman's Age Group and
County of Residence, Pennsylvania, Five-Year Summary, 2018-2022

County/ Age of Woman*	Reported Pregnancies 2018-2022	Live Births	Fetal Deaths	Induced Abortions	County/ Age of Woman*	Reported Pregnancies 2018-2022	Live Births	Fetal Deaths	Induced Abortions
Lancaster					Monroe				
All Ages	38,217	34,857	320	3,040	All Ages	9,008	7,159	63	1,786
Under 15	18	10	0	8	Under 15	5	2	0	3
15-17	296	241	4	51	15-17	73	47	0	26
18-19	869	674	8	187	18-19	289	169	2	118
20-29	19,500	17,594	128	1,778	20-29	4,496	3,466	29	1,001
30 & Over	17,523	16,327	180	1,016	30 & Over	4,144	3,474	32	638
Lawrence					Montgomery				
All Ages	4,627	4,095	39	493	All Ages	51,629	42,507	274	8,848
Under 15	3	2	0	1	Under 15	18	7	0	11
15-17	62	45	1	16	15-17	326	166	3	157
18-19	185	151	0	34	18-19	1,011	544	7	460
20-29	2,540	2,217	23	300	20-29	16,882	12,256	78	4,548
30 & Over	1,836	1,679	15	142	30 & Over	33,389	29,531	186	3,672
Lebanon					Montour				
All Ages	8,644	7,860	44	740	All Ages	1,141	1,076	8	57
Under 15	6	4	1	1	Under 15	0	0	0	0
15-17	103	92	2	9	15-17	6	6	0	0
18-19	345	285	3	57	18-19	20	18	0	2
20-29	4,707	4,251	16	440	20-29	463	427	4	32
30 & Over	3,483	3,228	22	233	30 & Over	652	625	4	23
Lehigh					Northampton				
All Ages	25,655	20,567	149	4,939	All Ages	17,095	13,930	98	3,067
Under 15	25	14	0	11	Under 15	14	3	0	11
15-17	375	276	5	94	15-17	194	107	3	84
18-19	1,054	722	5	327	18-19	569	359	4	206
20-29	12,491	9,581	72	2,838	20-29	7,536	5,845	41	1,650
30 & Over	11,704	9,968	67	1,669	30 & Over	8,782	7,616	50	1,116
Luzerne					Northumberland				
All Ages	19,476	16,029	162	3,285	All Ages	4,915	4,394	51	470
Under 15	23	7	1	15	Under 15	4	3	0	1
15-17	309	240	2	67	15-17	69	56	2	11
18-19	889	656	3	230	18-19	212	176	4	32
20-29	10,098	8,080	83	1,935	20-29	2,751	2,451	24	276
30 & Over	8,151	7,040	73	1,038	30 & Over	1,879	1,708	21	150
Lycoming					Perry				
All Ages	6,423	5,782	62	579	All Ages	2,713	2,502	20	191
Under 15	4	2	1	1	Under 15	2	0	0	2
15-17	67	59	0	8	15-17	17	16	0	1
18-19	265	225	2	38	18-19	96	86	1	9
20-29	3,515	3,131	25	359	20-29	1,412	1,283	8	121
30 & Over	2,568	2,361	34	173	30 & Over	1,184	1,115	11	58
McKean					Philadelphia				
All Ages	1,820	1,765	12	43	All Ages	156,514	99,477	932	56,105
Under 15	3	3	0	0	Under 15	224	80	2	142
15-17	31	31	0	0	15-17	2,706	1,515	22	1,169
18-19	82	76	3	3	18-19	6,842	3,722	39	3,081
20-29	1,102	1,069	5	28	20-29	77,694	44,357	403	32,934
30 & Over	602	586	4	12	30 & Over	69,037	49,793	465	18,779
Mercer					Pike				
All Ages	5,723	5,088	51	584	All Ages	2,315	2,093	20	202
Under 15	5	1	0	4	Under 15	3	2	0	1
15-17	74	58	1	15	15-17	9	4	0	5
18-19	212	180	2	30	18-19	59	46	0	13
20-29	3,219	2,846	19	354	20-29	1,066	950	7	109
30 & Over	2,213	2,003	29	181	30 & Over	1,178	1,091	13	74
Mifflin					Potter				
All Ages	3,035	2,807	27	201	All Ages	846	817	4	25
Under 15	4	3	0	1	Under 15	0	0	0	0
15-17	20	17	0	3	15-17	7	7	0	0
18-19	97	85	1	11	18-19	41	38	0	3
20-29	1,856	1,729	9	118	20-29	532	515	3	14
30 & Over	1,058	973	17	68	30 & Over	265	256	1	8

(Continued)

Table E-6
**Reported Pregnancies by Outcome, Woman's Age Group and
 County of Residence, Pennsylvania, Five-Year Summary, 2018-2022**

County/ Age of Woman*	Reported Pregnancies 2018-2022	Live Births	Fetal Deaths	Induced Abortions	County/ Age of Woman*	Reported Pregnancies 2018-2022	Live Births	Fetal Deaths	Induced Abortions
Schuylkill					Venango				
All Ages	7,305	6,312	52	941	All Ages	2,411	2,236	14	161
Under 15	6	3	0	3	Under 15	1	1	0	0
15-17	109	90	2	17	15-17	34	27	0	7
18-19	314	244	3	67	18-19	110	103	0	7
20-29	3,959	3,391	25	543	20-29	1,404	1,300	9	95
30 & Over	2,917	2,584	22	311	30 & Over	862	805	5	52
Snyder					Warren				
All Ages	2,168	2,029	32	107	All Ages	1,920	1,844	19	57
Under 15	0	0	0	0	Under 15	3	1	0	2
15-17	24	18	0	6	15-17	20	16	0	4
18-19	76	61	2	13	18-19	68	62	3	3
20-29	1,211	1,138	19	54	20-29	1,142	1,109	6	27
30 & Over	854	809	11	34	30 & Over	687	656	10	21
Somerset					Washington				
All Ages	3,477	3,201	21	255	All Ages	11,033	9,649	73	1,311
Under 15	1	1	0	0	Under 15	8	5	0	3
15-17	29	21	2	6	15-17	94	57	2	35
18-19	120	104	1	15	18-19	293	209	1	83
20-29	1,928	1,772	8	148	20-29	5,151	4,415	36	700
30 & Over	1,399	1,303	10	86	30 & Over	5,487	4,963	34	490
Sullivan					Wayne				
All Ages	239	221	0	18	All Ages	2,262	2,035	13	214
Under 15	0	0	0	0	Under 15	0	0	0	0
15-17	1	1	0	0	15-17	30	19	0	11
18-19	11	9	0	2	18-19	63	55	1	7
20-29	134	123	0	11	20-29	1,083	963	2	118
30 & Over	93	88	0	5	30 & Over	1,086	998	10	78
Susquehanna					Westmoreland				
All Ages	1,912	1,820	6	86	All Ages	16,594	14,540	118	1,936
Under 15	0	0	0	0	Under 15	9	4	0	5
15-17	14	12	0	2	15-17	154	86	2	66
18-19	65	63	1	1	18-19	451	337	2	112
20-29	1,066	1,011	2	53	20-29	7,902	6,739	50	1,113
30 & Over	766	733	3	30	30 & Over	8,078	7,374	64	640
Tioga					Wyoming				
All Ages	2,042	1,976	7	59	All Ages	1,273	1,150	11	112
Under 15	1	1	0	0	Under 15	0	0	0	0
15-17	39	36	1	2	15-17	12	7	0	5
18-19	91	83	1	7	18-19	56	46	0	10
20-29	1,168	1,136	2	30	20-29	675	602	5	68
30 & Over	743	720	3	20	30 & Over	529	494	6	29
Union					York				
All Ages	2,066	1,925	19	122	All Ages	27,476	23,825	224	3,427
Under 15	0	0	0	0	Under 15	19	11	0	8
15-17	24	18	0	6	15-17	321	231	4	86
18-19	53	43	1	9	18-19	928	718	9	201
20-29	1,022	949	5	68	20-29	14,280	12,142	106	2,032
30 & Over	966	914	13	39	30 & Over	11,922	10,717	105	1,100

* All ages includes unknown age of woman.

**State total includes unknown county of residence.

Table E-7
Reported Pregnancy Rates* by Woman's Age Group
and County of Residence, Pennsylvania, 2022

County	Total	Age of Woman (In Years)					
		10-14	15-19	15-17	18-19	20-29	30 & Over
Pennsylvania	66.6	0.3	16.7	7.2	29.9	90.7	52.1
Adams	55.4	ND	8.3	ND	16.3	83.3	41.3
Allegheny	63.7	0.4	16.4	7.7	28.7	74.8	55.7
Armstrong	58.4	ND	12.2	ND	25.9	100.1	34.5
Beaver	63.6	ND	18.8	8.7	33.8	94.8	45.1
Bedford	67.4	ND	15.7	ND	36.1	110.6	41.0
Berks	69.0	ND	19.7	7.2	37.9	107.0	47.2
Blair	60.9	ND	16.8	6.4	31.9	107.6	37.4
Bradford	63.7	ND	23.4	10.0	45.4	113.0	34.5
Bucks	60.9	ND	9.2	2.3	19.5	65.1	56.6
Butler	53.8	ND	8.3	3.3	15.1	71.3	46.3
Cambria	62.0	ND	18.6	9.0	33.0	99.6	39.0
Cameron	70.7	ND	ND	ND	ND	112.2	42.4
Carbon	60.2	ND	16.0	ND	37.8	99.4	38.2
Centre	34.8	ND	4.3	ND	5.6	29.8	47.4
Chester	64.5	ND	8.3	3.8	14.9	63.9	64.8
Clarion	54.6	ND	11.7	ND	17.1	82.3	40.6
Clearfield	60.6	ND	15.8	ND	28.1	103.8	35.8
Clinton	61.5	ND	12.8	ND	18.4	83.4	46.2
Columbia	48.6	ND	13.5	8.7	16.7	62.9	40.1
Crawford	63.7	ND	23.3	7.7	45.8	106.2	38.0
Cumberland	59.8	ND	8.0	3.0	15.0	79.2	51.9
Dauphin	77.8	ND	24.7	7.7	51.2	114.7	54.0
Delaware	72.8	ND	14.2	6.9	24.9	83.3	67.3
Elk	57.5	ND	18.2	ND	38.8	90.5	35.0
Erie	58.3	ND	17.2	7.5	31.6	90.5	40.0
Fayette	68.1	ND	29.7	8.7	59.4	115.8	36.1
Forest	62.3	ND	ND	ND	ND	111.1	33.3
Franklin	64.2	ND	16.7	5.0	35.0	112.1	37.9
Fulton	64.5	ND	ND	ND	ND	133.2	27.0
Greene	52.1	ND	16.0	ND	24.6	99.6	25.6
Huntingdon	62.1	ND	19.1	ND	34.0	111.3	33.8
Indiana	49.6	ND	9.3	ND	13.0	70.4	39.6
Jefferson	67.8	ND	10.0	ND	20.4	126.0	38.5
Juniata	82.8	ND	19.7	ND	ND	151.8	46.6
Lackawanna	61.6	ND	15.9	6.2	30.3	85.6	47.2
Lancaster	75.1	ND	11.5	5.3	20.7	110.5	57.1
Lawrence	61.5	ND	14.2	ND	26.5	97.0	41.5
Lebanon	68.0	ND	20.2	8.2	38.5	112.5	42.7
Lehigh	70.4	ND	20.4	10.0	35.8	101.8	50.7
Luzerne	67.1	ND	20.8	8.8	37.6	103.7	44.1
Lycoming	59.6	ND	17.7	6.1	35.1	97.0	38.5
McKean	53.0	ND	18.6	ND	32.9	95.7	27.7
Mercer	60.0	ND	13.9	6.7	24.1	98.5	36.4
Mifflin	86.2	ND	14.6	ND	32.4	158.4	47.5
Monroe	60.7	ND	12.2	3.9	24.1	85.2	45.7
Montgomery	65.4	ND	9.6	3.9	18.1	66.4	63.4
Montour	79.1	ND	ND	ND	ND	90.7	69.4
Northampton	57.3	ND	13.5	4.8	25.5	73.5	48.4
Northumberland	63.0	ND	15.8	ND	32.8	107.5	37.8
Perry	72.8	ND	17.6	ND	41.5	120.6	46.2
Philadelphia	80.9	0.7	33.4	15.7	59.2	108.8	60.9
Pike	56.3	ND	10.5	ND	23.8	80.8	41.1
Potter	62.0	ND	ND	ND	ND	126.7	31.7
Schuylkill	62.5	ND	18.7	8.6	34.3	102.5	39.2
Snyder	59.0	ND	11.2	ND	13.6	101.4	38.0
Somerset	64.0	ND	18.8	ND	39.6	110.9	36.3
Sullivan	52.6	ND	ND	ND	ND	103.6	25.2
Susquehanna	71.1	ND	11.5	ND	ND	129.4	43.1
Tioga	55.0	ND	14.6	ND	24.1	97.3	32.7
Union	51.7	ND	7.2	ND	ND	78.9	42.0
Venango	60.5	ND	24.5	13.3	42.3	114.2	30.5
Warren	63.1	ND	12.0	ND	ND	122.7	32.3
Washington	60.0	ND	12.0	3.4	24.4	83.9	46.3
Wayne	63.8	ND	14.8	ND	ND	92.7	45.9
Westmoreland	58.5	ND	13.2	5.9	24.1	81.6	44.1
Wyoming	54.0	ND	12.7	ND	ND	80.6	37.8
York	67.8	ND	16.4	7.9	29.4	107.7	46.0

* Rates per 1,000 female population for each specified age group and county, 2022. Total includes all reported pregnancies per 1,000 female population age 15-44; 30 & over includes all reported pregnancies per 1,000 female population age 30-49. Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Table E-5 for corresponding 2022 number of reported pregnancies.

Table E-8
**Average Annual Reported Pregnancy Rates* by Woman's Age Group
 and County of Residence, Pennsylvania, 2018-2022**

County	Total	Age of Woman (In Years)					
		10-14	15-19	15-17	18-19	20-29	30 & Over
Pennsylvania	67.9	0.4	18.3	8.2	32.0	94.9	50.2
Adams	56.1	ND	11.4	3.9	21.6	87.4	37.7
Allegheny	65.6	0.4	16.2	8.4	26.9	78.7	55.6
Armstrong	61.0	ND	17.0	6.2	35.7	110.3	32.3
Beaver	65.1	ND	18.7	8.2	35.4	99.0	44.1
Bedford	66.4	ND	17.2	4.2	40.1	120.2	34.3
Berks	68.8	0.4	22.0	10.1	38.9	107.6	44.8
Blair	61.1	ND	19.7	7.2	37.9	107.5	34.7
Bradford	67.1	ND	24.0	7.0	54.4	121.5	34.1
Bucks	60.7	0.1	8.3	2.7	17.7	66.9	54.8
Butler	55.8	ND	7.9	2.9	14.7	75.5	45.9
Cambria	62.1	ND	18.8	9.2	31.3	101.9	37.4
Cameron	62.8	ND	26.5	ND	ND	110.8	29.1
Carbon	63.7	ND	18.9	7.3	39.6	108.1	37.8
Centre	34.2	ND	3.4	1.3	4.3	33.0	42.0
Chester	64.2	0.1	8.1	3.5	14.8	68.6	61.5
Clarion	54.7	ND	9.6	4.4	14.5	83.8	37.9
Clearfield	62.4	ND	17.1	7.2	34.7	110.1	33.7
Clinton	59.0	ND	12.0	5.3	18.1	86.2	39.1
Columbia	47.8	ND	9.8	4.4	13.0	63.3	38.7
Crawford	64.3	ND	20.6	7.1	38.8	109.0	36.8
Cumberland	60.7	ND	9.9	3.9	17.1	85.0	48.0
Dauphin	77.5	0.3	27.2	11.4	52.9	116.5	50.8
Delaware	73.3	0.3	16.0	8.0	27.1	87.2	64.3
Elk	62.9	ND	12.5	ND	29.0	106.4	36.6
Erie	58.9	0.2	19.2	9.4	31.6	92.3	38.5
Fayette	68.1	ND	28.2	11.9	53.9	120.2	33.7
Forest	67.2	ND	ND	ND	ND	119.8	33.4
Franklin	64.2	ND	17.1	6.8	34.1	111.0	37.5
Fulton	62.2	ND	17.2	ND	36.9	126.2	27.0
Greene	60.1	ND	18.3	9.0	30.4	111.4	29.6
Huntingdon	62.3	ND	17.6	7.0	30.3	112.2	33.4
Indiana	53.4	ND	11.2	6.5	13.8	74.8	40.4
Jefferson	69.7	ND	17.7	3.7	39.1	131.1	36.4
Juniata	77.9	ND	18.1	7.9	34.9	136.9	46.1
Lackawanna	62.5	0.4	16.8	7.4	29.7	88.4	46.0
Lancaster	74.1	0.2	13.0	5.5	24.0	112.0	53.5
Lawrence	65.2	ND	19.5	8.2	36.1	108.3	38.8
Lebanon	68.2	ND	20.4	7.8	39.8	113.9	41.4
Lehigh	71.2	0.4	23.6	10.4	42.9	104.0	49.5
Luzerne	68.9	0.5	25.0	10.9	45.2	106.6	43.1
Lycoming	62.2	ND	19.1	6.5	37.0	102.4	37.6
McKean	55.3	ND	17.9	8.4	31.2	100.1	27.8
Mercer	62.5	ND	16.9	7.5	29.9	101.5	37.6
Mifflin	81.5	ND	18.2	4.8	43.1	150.1	42.0
Monroe	59.3	ND	12.2	4.3	22.7	86.9	42.4
Montgomery	65.7	0.1	10.2	4.1	19.7	69.5	61.4
Montour	74.6	ND	12.2	ND	24.5	95.1	60.4
Northampton	60.0	0.3	14.5	6.5	24.8	80.7	47.2
Northumberland	67.1	ND	24.4	9.7	48.2	116.6	36.7
Perry	71.4	ND	19.3	4.5	45.5	117.9	43.4
Philadelphia	85.3	1.0	39.2	20.0	63.1	116.4	60.2
Pike	53.4	ND	8.6	ND	19.4	77.4	38.4
Potter	69.4	ND	21.7	ND	51.3	137.6	31.8
Schuylkill	65.1	ND	22.5	9.0	46.5	111.3	36.9
Snyder	58.6	ND	12.2	6.4	17.2	96.8	38.7
Somerset	65.6	ND	16.5	5.1	36.7	115.3	36.8
Sullivan	63.1	ND	28.0	ND	57.9	114.9	31.6
Susquehanna	66.6	ND	16.2	4.5	37.3	119.3	37.7
Tioga	59.2	ND	19.7	11.1	29.6	103.1	33.4
Union	54.0	ND	8.2	6.4	9.4	78.4	45.7
Venango	62.5	ND	22.4	8.7	43.3	118.1	31.4
Warren	66.6	ND	18.2	6.8	35.5	124.3	33.7
Washington	62.2	ND	12.7	5.2	23.5	90.7	45.2
Wayne	63.5	ND	15.6	8.1	28.0	95.1	43.4
Westmoreland	59.4	ND	13.0	5.4	24.5	87.6	41.3
Wyoming	58.7	ND	17.6	5.3	35.4	94.3	35.8
York	66.9	0.3	18.1	7.6	34.6	109.4	42.2

* Rates per 1,000 female population for each specified age group and county, 2018-2022. Total includes all reported pregnancies per 1,000 female population age 15-44; 30 & over includes all reported pregnancies per 1,000 female population age 30-49. Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Table E-6 for corresponding 2018-2022 number of reported pregnancies.

Table E-9
Reported Pregnancies by Outcome and County of Residence
Number and Percent*: Pennsylvania, 2022

County	Reported Pregnancies	Live Births		Fetal Deaths		Induced Abortions	
		Number	Percent	Number	Percent	Number	Percent
Pennsylvania	162,833	130,302	80.0	1,004	0.6	31,527	19.4
Adams	1,025	942	91.9	5	ND	78	7.6
Allegheny	15,508	11,831	76.3	94	0.6	3,583	23.1
Armstrong	590	539	91.4	2	ND	49	8.3
Beaver	1,774	1,519	85.6	5	ND	250	14.1
Bedford	491	473	96.3	4	ND	14	2.9
Berks	5,597	4,585	81.9	41	0.7	971	17.3
Blair	1,291	1,190	92.2	14	1.1	87	6.7
Bradford	617	608	98.5	2	ND	7	ND
Bucks	6,760	5,595	82.8	31	0.5	1,134	16.8
Butler	1,881	1,699	90.3	7	ND	175	9.3
Cambria	1,333	1,191	89.3	6	ND	136	10.2
Cameron	40	35	87.5	0	ND	5	ND
Carbon	637	532	83.5	1	ND	104	16.3
Centre	1,258	1,120	89.0	9	ND	129	10.3
Chester	6,569	5,608	85.4	37	0.6	924	14.1
Clarion	400	365	91.3	3	ND	32	8.0
Clearfield	724	671	92.7	4	ND	49	6.8
Clinton	465	430	92.5	1	ND	34	7.3
Columbia	659	586	88.9	5	ND	68	10.3
Crawford	901	855	94.9	5	ND	41	4.6
Cumberland	3,094	2,701	87.3	24	0.8	369	11.9
Dauphin	4,347	3,280	75.5	45	1.0	1,022	23.5
Delaware	8,357	6,491	77.7	47	0.6	1,819	21.8
Elk	259	243	93.8	2	ND	14	5.4
Erie	2,931	2,652	90.5	23	0.8	256	8.7
Fayette	1,380	1,136	82.3	6	ND	238	17.2
Forest	23	20	87.0	0	ND	3	ND
Franklin	1,778	1,709	96.1	11	0.6	58	3.3
Fulton	148	139	93.9	1	ND	8	ND
Greene	291	265	91.1	2	ND	24	8.2
Huntingdon	430	384	89.3	5	ND	41	9.5
Indiana	829	735	88.7	8	ND	86	10.4
Jefferson	480	446	92.9	2	ND	32	6.7
Juniata	318	299	94.0	2	ND	17	5.3
Lackawanna	2,430	1,967	80.9	16	0.7	447	18.4
Lancaster	7,838	7,095	90.5	63	0.8	680	8.7
Lawrence	874	769	88.0	7	ND	98	11.2
Lebanon	1,742	1,564	89.8	4	ND	174	10.0
Lehigh	5,143	3,822	74.3	29	0.6	1,292	25.1
Luzerne	3,881	3,075	79.2	27	0.7	779	20.1
Lycoming	1,236	1,085	87.8	14	1.1	137	11.1
McKean	348	334	96.0	3	ND	11	3.2
Mercer	1,102	953	86.5	8	ND	141	12.8
Mifflin	650	558	85.8	2	ND	90	13.8
Monroe	1,779	1,361	76.5	10	0.6	408	22.9
Montgomery	10,593	8,487	80.1	59	0.6	2,047	19.3
Montour	240	229	95.4	0	ND	11	4.6
Northampton	3,409	2,698	79.1	21	0.6	690	20.2
Northumberland	930	801	86.1	9	ND	120	12.9
Perry	549	502	91.4	5	ND	42	7.7
Philadelphia	29,839	19,118	64.1	148	0.5	10,573	35.4
Pike	510	461	90.4	5	ND	44	8.6
Potter	149	145	97.3	1	ND	3	ND
Schuylkill	1,432	1,221	85.3	6	ND	205	14.3
Snyder	431	388	90.0	6	ND	37	8.6
Somerset	678	613	90.4	3	ND	62	9.1
Sullivan	39	33	84.6	0	ND	6	ND
Susquehanna	402	374	93.0	1	ND	27	6.7
Tioga	384	383	99.7	0	ND	1	ND
Union	405	374	92.3	4	ND	27	6.7
Venango	464	428	92.2	1	ND	35	7.5
Warren	356	347	97.5	0	ND	9	ND
Washington	2,158	1,874	86.8	17	0.8	267	12.4
Wayne	460	405	88.0	2	ND	53	11.5
Westmoreland	3,299	2,910	88.2	23	0.7	366	11.1
Wyoming	236	213	90.3	1	ND	22	9.3
York	5,662	4,841	85.5	55	1.0	766	13.5

* Percent of reported pregnancies for each specified county.

Note: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

A. SOURCES OF DATA

1. Births, Deaths and Fetal Deaths:

Birth, death and fetal death certificates are the source documents for data on vital events to Pennsylvania residents. Births and deaths to Pennsylvania residents that occurred in another state are included in this report. There is an agreement among all registration areas in the United States for exchange of copies of certificates. Birth and fetal death certificates are usually completed by hospital personnel present at the facility. Death certificates are usually completed by hospital personnel, physicians, funeral directors, coroners and medical examiners.

Beginning with the reporting of 2003 live births, Pennsylvania implemented the latest revision of the U.S. Standard Certificate of Live Birth. Some items on the certificate were added or changed from previous years. Please see section "F. 2003 Revisions to Certificate of Live Birth" for more details on this important change.

Also, beginning in 2006, the collection and reporting of death and fetal death data was performed using revised certificates. These revisions were based upon changes made by the Centers for Disease Control and Prevention. Please refer to section "G. 2006 Revisions to Certificates of Death and Fetal Death" for more details.

2. Induced Abortions:

Information contained in this report on induced terminations of pregnancy or abortions were obtained from the source document, *Report of Induced Termination of Pregnancy*, as required to be completed and submitted by facilities registered to perform such procedures in the Commonwealth according to the Abortion Control Act of 1982, as amended.

Induced abortions to Pennsylvania residents which occurred in another state are not included in this report. Pennsylvania has no interstate agreement with the other registration areas in the United States for exchange of such information. Collection of induced abortion data varies widely from state to state.

3. Population:

State or county population estimates as of July 1 for the intercensal years of 2021-2022, 2011-2019, 2001-2009, 1991-1999, and 1981-1989, which are presented and/or used in this report to compute rates, were produced jointly by the United States Bureau of the

Census and the Pennsylvania State Data Center of the Pennsylvania State University at Harrisburg under the Federal-State Cooperative Program for Local Population Estimates. These estimates are published by the Bureau of the Census in *Current Population Reports, Series P-25*. Subcounty (city, borough, and township) population estimates for intercensal years are calculated by the Bureau of the Census using a housing unit method, in which the change in the number of housing units at the subcounty level is used to distribute the county population to subcounty areas. All population data for Census years (2010, 2000, 1990, 1980, etc.) presented and/or used in this report are U.S. Bureau of Census enumerated population figures as of April 1 of the Census year.

Population data by race and Hispanic origin for 2021-2022, 2011-2019, 2001-2009, 1991-1999, and 1981-1989 were also produced by the Pennsylvania State Data Center. Racial and Hispanic origin population data for 2000 and 2010 are Bureau of the Census enumerated figures. The 1981-1989 black population figures used to compute the rates that appear in this report were derived from 1980 and 1990 Census data. They were estimated by advancing 1980 Census data incrementally to finally match 1990 Census figures.

Respondents to the 2010 Census were able to select multiple races for racial designation. However, state population data by race, as shown and used in this report, did not include figures for multiple-race categories until 2013. Please see Section J "Multi-Race Designation" for more details on this change. Birth, death, and fetal death statistics are available for multiple-race categories beginning with 2013 data. Therefore, population estimates were calculated as single-race categories and were used to calculate all rates by race that appear in this report prior to 2013 data.

Among Pennsylvania residents, only 1.9 percent selected multiple races on the 2010 Census form. The National Center for Health Statistics (NCHS), which is responsible for releasing national vital statistics, has produced, in collaboration with the U.S. Bureau of the Census, revised population estimates (starting with 2000) by race that "bridged" multiple-race data into single-race categories.

We have included those revised U.S. figures in this report. Please note that, unless otherwise noted, the original population estimates for non-census years were used for the computation of multiple-year average annual rates.

B. DATA QUALITY

1. Query and Field Programs:

The quality of birth and death data presented in this report is directly related to the completeness and accuracy of the information reported on certificates. The Department of Health works to ensure that the information received is as complete and accurate as possible, and it maintains two major program operations to improve the quality of information reported on birth and death certificates – query and field programs.

The query program is a system used to follow-up with hospital personnel, funeral directors and/or physicians concerning incomplete or conflicting information reported on the certificate. The follow-up contact is usually done by telephone and is based on both manual and computer editing procedures.

The field program attempts to improve birth, death and fetal death certificate information by educating the participants in the vital registration system, i.e., hospital personnel, funeral directors, physicians, etc., of the uses and importance of vital statistics data. The field program completes this mission by conducting seminars with various associations representing the types of individuals listed above.

In addition to regularly scheduled seminars, the field representatives make site visits when problems with registration relating to a particular area or institution are discovered.

NCHS monitors Pennsylvania's coding of statistical data on death certificates. A 0.5 percent sample of death records coded and submitted monthly by the state is used as a quality control mechanism by NCHS. The National Center for Health Statistics codes these sample records independently, and then conducts an item-by-item computer match of codes entered by the state and the National Center. NCHS has established a two percent upper limit for coding difference involving any one data item of these sample records, with the exception of cause of death. A 5.0 percent limit is established for that item, due to the complexity of the cause of death coding process.

2. Fetal Deaths:

The reporting of deaths and live births is considered to be nearly complete (99 percent or greater). However, in Pennsylvania, spontaneous fetal deaths under sixteen weeks gestation are not required to be reported.

According to a study of the estimated number of total pregnancies for the United States, prepared by the National Center for Health Statistics, the 2008 percentage distribution of live births, fetal deaths and

induced abortions is as indicated in the following table. The percent distribution of Pennsylvania's reported pregnancies for 2019 is also shown for comparison.

It is apparent that there are a very large number of fetal deaths not reported or included in this publication, mainly due to the exclusion of those fetal deaths under sixteen weeks gestation.

	United States Estimated Pregnancies 2008	Pennsylvania Reported Pregnancies 2019
Live Births	64.6%	81.8%
Fetal Deaths	17.0%	0.7%
Induced Abortions	18.4%	17.5%

Note: May not sum to 100 due to rounding.

3. Induced Abortions:

The quality of induced abortion data presented in this report is directly related to the completeness and accuracy of the information contained on induced termination of pregnancy reporting forms. The Division of Health Informatics edits and queries reported abortion data to ensure that the information received is as complete and accurate as possible.

It is important to note that Pennsylvania has no agreement with any other states for the exchange of induced abortion information, and many states do not collect similar data. Therefore, induced abortions to Pennsylvania residents which occurred in another state are not included in this report.

4. Reported Pregnancies:

It should be noted by the users of this report that the term "reported pregnancies" as used in this publication includes three major data sources – live births, fetal deaths and induced abortions – as required by law to be reported to the Pennsylvania Department of Health. Data on induced abortions do not include those procedures obtained by Pennsylvania residents outside the Commonwealth. Please also see section A on Data Sources and previous parts of this section B on Data Quality for more information on the three data components (resident live births, fetal deaths and induced abortions) that are used to compute the reported pregnancy statistics that appear in this annual report.

5. Congenital Anomalies/Birth Defects:

When reviewing statistics on congenital anomalies reported at the time of birth in this publication, please

note that historical and recent studies have verified the underreporting of congenital anomalies on birth certificates, especially for defects that are not easily diagnosed at the time of birth.

Beginning with the reporting of 2003 live births, Pennsylvania implemented the latest revision of the U.S. Standard Certificate of Live Birth. Additional choices for specific types of congenital anomalies have been added to both the Down syndrome and suspected chromosomal disorder options to gather greater detailed information. However, many of the types of congenital anomalies previously collected have been deleted from the certificate, including the "other anomalies" category. Therefore, Pennsylvania data on "total congenital anomalies" can no longer be included in this report. These changes reflect the fact that many types of anomalies are not easily diagnosed soon after birth. Therefore, incomplete or inaccurate reporting on the birth certificate occurs. Please see section "F. 2003 Revisions to Certificate of Live Birth" for more details on this important change.

abortion data.

Allocation of vital events by place of residence is sometimes difficult, because classification depends entirely on the statement of the usual place of residence furnished by the informant at the time the original certificate was completed. For various reasons, this statement may be incorrect or incomplete. For example, mailing address often differs from the actual geographic residence. Where the mailing address is a rural delivery number, it may be impossible to allocate the event to a specific township or minor civil division, if this information is not supplied. How often incorrect information regarding residence is reported is not known, but it is generally due to lack of information about the exact location of residence or misunderstanding of the question on the part of the informant. This problem is applicable generally only to minor civil division level data. Resident counts for the state are usually very accurate. County resident figures are substantially correct and can be used with a high degree of confidence.

2. Criteria for Municipality Selection:

Tables A-6, B-33, B-34, B-35, B-36, B-37, B-38, B-39, B-40, C-35, C-36, C-37, C-38, C-39, C-40, C-41, and C-42 show statistics for 28 selected municipalities. These municipalities include cities or boroughs with a 2020 U.S. Bureau of the Census enumerated population of 20,000 or more. Philadelphia is both a city and a county and, therefore, is included in both county and municipality tables.

C. GEOGRAPHY

1. Allocation:

In Pennsylvania's vital records registration program, events are classified geographically in two ways. The first way is by place of occurrence, i.e., the actual state and county where the event took place. The second, and more customary way, is by place of residence, i.e., the state, county and minor civil division reported to be the usual residence of the decedent at the time of death, or of the mother in the case of a newborn. Fetal deaths and infant deaths, in cases where the infant was never discharged from the hospital, are to be assigned the residence of the mother.

While occurrence figures are accurate and have both administrative value and some statistical significance, residence data are far more useful in determining public health indices for planning and evaluation purposes. The natality, reported pregnancy and mortality statistics in this report are residence data; however, the induced abortion data shown in this report include both residence and occurrence data. Statewide induced abortion statistics for the years 1975-1988 are available as occurrence data only. This is due to the fact that the source document (*Induced Abortions: Quarterly Report*) used to collect that information from 1975 through September, 1988 requested aggregated quarterly occurrence data. Therefore, both occurrence and residence data are presented for statewide induced

D. DEFINITIONS OF TERMS

1. Natality:

BIRTH WEIGHT – The first weight of the fetus or newborn obtained after birth. This weight should be measured preferably within the first hour of delivery, before significant postnatal weight loss has occurred.

LOW BIRTH WEIGHT – A birth weight under 2,500 grams or 5 pounds and 9 ounces.

VERY LOW BIRTH WEIGHT – A birth weight under 1,500 grams or 3 pounds and 5 ounces.

LIVE BIRTH – According to Pennsylvania law, is the expulsion or extraction from its mother of a product of conception, irrespective of the period of gestation, which shows any evidence of life at any moment after

such expulsion or extraction.

LIVE BIRTH ORDER – A term used to indicate the numeric relationship of a child to others live-born to that mother.

2. Mortality:

CAUSE OF DEATH – Deaths by cause are classified according to the International Classification of Diseases (ICD) of the World Health Organization. In this report, the underlying cause of death is used to classify the cause. The underlying cause of death is either the disease or injury which initiated the train of events leading directly to death or the circumstances of the accident or violence which produced the fatal injury. Please see section "H. Underlying Causes of Death" for further discussion on cause-of-death coding and reporting.

FETAL DEATH – Defined by law in Pennsylvania as the expulsion or extraction from its mother of a product of conception after 16 weeks gestation, which shows no evidence of life after such expulsion or extraction.

INFANT DEATH – Death of an infant under 1 year of age.

NEONATAL DEATH – An infant death occurring within the first 27 days of life.

POSTNEONATAL DEATH – An infant death occurring at one month (28 days) to 364 days of age.

MATERNAL DEATH – The death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes.

MEDIAN AGE – The age that falls exactly in the middle of the entire range of ages ranked in order from low to high such that 50 percent of the ages fall above it and 50 percent fall below it. If the number of ages is even, a value halfway between the two ages nearest the middle is used.

PREMATURE MORTALITY – Defined as deaths to residents before age 75. The premature mortality rate (PMR) is the number of deaths to residents under age 75 per 100,000 age-adjusted to the 2000 Standard population.

3. Induced Abortions:

INDUCED ABORTION – An induced abortion or induced termination of pregnancy is the purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth.

4. Reported Pregnancies:

REPORTED PREGNANCY – Data on reported pregnancies are aggregated live births, fetal deaths, and induced abortions, as required by various Pennsylvania laws (see above definitions) to be reported to the Department of Health.

OUTCOME – The clinical result of a reportable pregnancy, i.e., a live birth, fetal death or induced abortion.

5. Birth Weight in Grams:

To provide data comparable to that published for the United States and other countries, birth weight is reported in grams. However, not all facilities in Pennsylvania record birth weight in grams and, in order to collect complete data, providers are given the opportunity to report either pounds/ounces or grams on the Pennsylvania Certificate of Live Birth. Birth weights reported in pounds/ounces are converted to grams. The equivalents of the gram intervals in pounds and ounces are as follows:

Grams	Pounds and Ounces
499 or less	1 lb. 1 oz. or less
500 – 999	1 lb. 2 oz. – 2 lb. 3 oz.
1,000 – 1,499	2 lb. 4 oz. – 3 lb. 4 oz.
1,500 – 1,999	3 lb. 5 oz. – 4 lb. 6 oz.
2,000 – 2,499	4 lb. 7 oz. – 5 lb. 8 oz.
2,500 – 2,999	5 lb. 9 oz. – 6 lb. 9 oz.
3,000 – 3,499	6 lb. 10 oz. – 7 lb. 11 oz.
3,500 – 3,999	7 lb. 12 oz. – 8 lb. 12 oz.
4,000 – 4,499	8 lb. 13 oz. – 9 lb. 14 oz.
4,500 – 4,999	9 lb. 15 oz. – 11 lb. 0 oz.
5,000 or more	11 lb. 1 oz. or more

6. Body Mass Index (BMI):

The body mass index (BMI) calculation for adults used in this publication follows the formula and weight status categories adopted by the Centers for Disease Control and Prevention (CDC). The formula for BMI

calculation, as used for this publication is shown below:

$$BMI = \frac{Weight(lb)}{[Height(in)]^2} \times 703$$

The standard weight categories associated with BMI ranges for adults are displayed below:

BMI	Weight Status
Below 18.5	Underweight
18.5 – 24.9	Normal
25.0 – 29.9	Overweight
30.0 and above	Obese

7. Geographic Allocation:

RESIDENT DATA – Compiled per usual residence regardless of the geographical place where the event occurred. For births, fetal deaths and infant deaths (if the newborn was never discharged from the hospital), the mother's usual residence is used as the place of residence.

OCCURRENCE DATA – Data compiled as to the geographical place the event occurred without regard to the actual residence.

E. RATES

Absolute counts of births and deaths do not readily lend themselves to analysis and comparison between years or between various geographic areas because of population differences. These demographic differences include total number, age and sex distributions and ethnic or racial differentials. In order to assess the health status of a particular population at a specified time, the absolute number of events is converted to a relative number, such as a probability of living or dying, i.e., a rate, a ratio or an index. This conversion is made by relating the crude number of events to the living population at risk in a particular area at a specific time. All of the rates defined here are computed for a period covering one year, except for the average annual rates which are based upon five-year summary data.

1. Definitions of Rates:

CRUDE BIRTH RATE:

$$\frac{\text{Total Live Births}}{\text{Total Population}} \times 1,000$$

*For infant, neonatal and postneonatal mortality rates by race and Hispanic origin, the race or Hispanic origin of the infant is used to classify deaths and the race or Hispanic origin of the mother is used to classify live births.

AGE-SPECIFIC BIRTH RATE:

$$\frac{\text{Live Births to Mothers of Specified Ages}}{\text{Female Pop. of Same Specified Ages}} \times 1,000$$

GENERAL FERTILITY RATE:

$$\frac{\text{Total Live Births}}{\text{Female Population Aged 15 to 44 Years}} \times 1,000$$

FETAL MORTALITY RATE:

$$\frac{\text{Total Fetal Deaths}}{(\text{Total Live Births} + \text{Total Fetal Deaths})} \times 1,000$$

NEONATAL MORTALITY RATE*:

$$\frac{\text{Infant Deaths Aged } < 28 \text{ Days}}{\text{Total Live Births}} \times 1,000$$

POSTNEONATAL MORTALITY RATE*:

$$\frac{\text{Infant Deaths Aged } 28 - 364 \text{ Days}}{\text{Total Live Births}} \times 1,000$$

INFANT MORTALITY RATE*:

$$\frac{\text{Total Infant Deaths}}{\text{Total Live Births}} \times 1,000$$

CRUDE DEATH RATE:

$$\frac{\text{Total Deaths}}{\text{Total Population}} \times 1,000$$

AGE-SPECIFIC DEATH RATE:

$$\frac{\text{Deaths for Specified Age Group}}{\text{Population of Same Specified Age Group}} \times 1,000$$

RACE OR ETHNICITY SPECIFIC DEATH RATE:

$$\frac{\text{Deaths for Specified Race or Ethnicity}}{\text{Population for Same Specified Group}} \times 1,000$$

AGE-ADJUSTED DEATH RATE (Direct Method):

$$\frac{\frac{\text{Sum of (age specific death rates per 100,000 for selected population} \times \text{standard population}}{\text{in corresponding age groups)}}{\text{Sum of standard population}}}{\text{Sum of standard population}}$$

Age-specific death rates (per 100,000) for a selected population are applied to a standard population (in this report the 2000 United States standard million population was used) of the same age groups. The sum of these calculations is then divided by the total of the standard population and yields the age-adjusted death rate per 100,000. (It is important to use the same standard population in the computation of each age-adjusted rate to allow comparability among age-adjusted rates. Age-adjusted rates are artificial measurements and should never be compared with any other type of rate or be used to calculate the actual number of events.) The 2000 United States standard million population and age distributions used in calculating age-adjusted death rates for this report are shown below:

All Ages	1,000,000
Under 1.....	13,818
1-4	55,317
5-14	145,565
15-24	138,646
25-34	135,573
35-44	162,613
45-54	134,834
55-64	87,247
65-74	66,037
75-84	44,842
85+	15,508

WARNING: *Pennsylvania Vital Statistics 1999* was the first annual report of vital statistics to use the 2000 standard million population in the calculation of all age-adjusted mortality rates. Therefore, age-adjusted rates that appeared in reports prior to 1999 (using the 1940 or other standard million population) are not comparable to the age-adjusted mortality rates that appear in this report and the 1999 report, including historical rates. The U.S. Department of Health and Human Services adopted the newer 2000 standard million population as the only population standard for age-adjustment, starting with 1999 events. Please note that use of a more recent population distribution for the standard in age-adjustment results in rates that more accurately reflect the average risk of death associated with an aging population. Also, age-adjusted rates that are calculated using the 2000 population standard will be higher than those calculated using the 1940 standard and more closely match crude rates which reflect the actual age distribution of a population.

PREMATURE MORTALITY RATE:

$$\frac{\frac{\text{Sum of (age specific death rates under age 75} \times \text{standard population}}{\text{in corresponding age groups)}}}{\text{Sum of Standard Population under 75}} \times 100,000$$

CAUSE-SPECIFIC DEATH RATE:

$$\frac{\text{Deaths Due to a Specified cause}}{\text{Total Population}} \times 100,000$$

MATERNAL MORTALITY RATE:

$$\frac{\text{Total Maternal Deaths}}{\text{Total Live Births}} \times 100,000$$

TOTAL FERTILITY RATE:

$$(\frac{\text{Sum of Age Specific Birth Rates Among Women for 5 Year Age Groups Between 10 and 49 *}}{5}) \times 5$$

The sum of the age-specific birth rates of women in five-year age groups multiplied by five is the total fertility rate. This rate estimates the number of children a cohort of 1,000 women would bear if they all went through their childbearing years exposed to the age-specific birth rates in effect for a particular time. The total fertility rate, or TFR, can be used as an estimate of the fertility growth factor in a population, e.g. whether the childbearing population is replacing itself or not. A TFR of 2,000 or above indicates that, on the average, couples are producing at least two children to replace themselves. When the TFR exceeds 2,000 for an extended period, the next generation of childbearing age will probably be larger than the present population of that age, if all other factors affecting the population, such as death rates and migration, remain constant. Pennsylvania's TFR has been under 2,000 since 1972. However, it has remained relatively stable since then, although still below replacement level. The TFR is not meant to be used as an absolute measure of population trends, but can be helpful in understanding and analyzing them. There are many other factors to consider when determining population trends, such as crude birth rates, death rates and migration patterns. It would take several generations of a childbearing population maintaining a replacement level to just stabilize a specific population, again given that other factors, mainly age-specific death rates, also were maintained.

REPORTED PREGNANCY RATE:

*Births to mothers under 15 are included in the 10-14 age group and births to mothers 45 and older are included in the 45-49 age group.

$$\frac{(\text{Total Live Births} + \text{Fetal Deaths} + \text{Induced Abortions})}{\text{Female Population Ages 15 to 44}} \times 1,000$$

AGE-SPECIFIC REPORTED PREGNANCY RATE:

$$\frac{(\text{Live Births} + \text{Fetal Deaths} + \text{Induced Abortions}) \text{ for Females of Specified Ages}}{\text{Female Population for Same Specified Ages}} \times 1,000$$

AVERAGE ANNUAL RATE:

$$\frac{\text{Total Number of Events for a Specified Multiple Year Period}}{\text{Total Population for Same Specified Multiple Year Period}} \times 1,000$$

2. Reliability of Rates:

Rates (or percentages) based on small numbers of events over a specified period of time, or for a sparsely populated geographic area, should be of particular concern and used cautiously.

As an example of the various problems involved with the reliability of rates, we will use the infant mortality rate in 2019 for Bedford County. There were only two infant deaths reported in 2019 among residents of Bedford County, a rather sparsely populated rural county. Unfortunately, these two deaths could be enough to give Bedford County an infant mortality rate that would appear to be higher than most counties in the state. This is the chance result of a few deaths having enormous significance when statistically applied to the number of births among the residents of that county. Any statement regarding this high infant mortality rate in Bedford County could be quite misleading. When small numbers of events (generally less than 10) are involved in calculating or reviewing rates, multiple-year rates (usually five or ten-year average annual rates) will sometimes provide a much better perspective or measurement of an outcome. For this reason, all rates or percentages that involve small numbers (less than 10 unless otherwise noted) have been suppressed and are not displayed in this report. As an alternative, expanding the period of time studied enlarges the absolute numbers and adds more credence to a statement regarding Bedford County's infant mortality rate. Expanding the area of study can also help with small numbers.

There are many characteristics of a population that can also render a crude rate of little use. Any unique

demographic factors such as those related to age, sex and race may not be accounted for in crude rates. One prime Pennsylvania example is Centre County. Because Penn State's major campus with over 40,000 students is located in this rural county, the median age is usually the lowest in the state; so is the crude death rate. However, rates can be adjusted or calculated to more specific groups within a population. When all county rates are adjusted for age, Centre County usually appears closer to the middle of these rates. Age, sex or race adjusted and specific rates can offer a more refined measurement to compare vital event experiences over geographic areas or time periods. However, there are limitations to their use (see definition of age-adjusted rate in Section E.1.) and one should be very familiar with these rates before attempting their use.

3. Variability of Rates:

Standard Errors and Confidence Intervals

All rates are subject to random variation. This variation is directly related to the number of events used to calculate the rate. The smaller the number of events used in the calculation of a rate, the higher will be the variability of the rate.

It is common practice among statisticians and data users familiar with health statistics to calculate a standard error (SE) of a rate when studying or comparing rates. This statistic defines a rate's variability and can be used to calculate a confidence interval (CI) to determine the actual variance of a rate 95 percent of the time.

The standard error (SE) for a cause or age-specific or adjusted rate per 100,000 population can be estimated* by dividing that rate by the square root of the number of events (N) upon which the rate was based:

$$\frac{\text{RATE}}{\sqrt{N}}$$

This standard error estimate assumes the rate to be a binomial proportion. It was used to calculate the standard errors for the 95 percent confidence intervals that appear in this report.

As an example, let's use Pennsylvania's 2019 age-adjusted heart disease death rate of 172.7 per 100,000 population in the calculation of this estimated S.E. and 95 percent C.I. The rate of 172.7 was based on 32,250 resident heart disease deaths reported for 2019. The square root of 32,250 is 179.58. By dividing the rate of 172.7 by 179.58, one obtains the estimated S.E. of 0.96.

This estimated S.E. can then be used to compute a

*Keyfitz N. Sampling Variance of Standardized Mortality Rates, Human Biology, 38: 309-317, 1966.

95 percent CI for the rate. The standard formula for determining the 95 percent CI of a rate is:

$$RATE \pm (1.96 \times S.E.)$$

Following this formula, for the rate we are using, produces an equation of $172.7 \pm (1.96 \times 0.96)$ and the result is 172.7 ± 1.9 . Then, by subtracting and adding 1.9 against the original rate of 172.7, a range can be calculated and considered the estimated 95 percent confidence interval for the rate, i.e., $170.8 - 174.6$. One could then state, with 95 percent certainty that the actual 2019 age-adjusted heart disease death rate for the state was between 170.8 and 174.6.

The above formulas were used for calculating the confidence intervals that appear in this report. There are various statistical formulas for comparing rates, depending on the types of rates or populations being studied and the number of events involved. If you are not familiar with the use of these statistical applications, we recommend review of publications addressing these issues and/or consultation with a statistician or other professional familiar with analyzing/comparing health statistics before pursuing any further study of the rates that appear in this report.

In addition, we recommend that users disregard age-adjusted rates based on less than 20 events and any other rates based on less than ten events. The standard errors and confidence intervals for these rates are usually "very large" and, therefore, not reliable, especially for any comparative analysis. Thus, these rates have been suppressed and denoted as "ND" in the report.

NOTE: For more detailed information and assistance on computing and using reliable rates/statistics for analysis, please go to the Division of Health Informatics web pages at <https://www.health.pa.gov/topics/HealthStatistics/Page/s/health-statistics.aspx> and select Statistical Resources.

F. 2003 REVISIONS TO CERTIFICATE OF LIVE BIRTH

1. Background

Beginning with the reporting of 2003 live births, Pennsylvania implemented the latest revision of the U.S. Standard Certificate of Live Birth. The standard certificates have been the principal means for achieving the uniformity in information upon which national vital

statistics are based. To ensure that the standard certificates and reports meet current data needs, it is essential that they be reviewed and revised periodically. This revision came about as a result of an extensive evaluation process initiated by NCHS. NCHS achieved this by assembling a panel of expert consultants to evaluate the 1989 Standard Certificate and to recommend revisions.

While most data items on the certificate are comparable to past years, certain items have been changed or removed, which will cause discontinuity in some birth trend data. Many of the changes were made to the medical portion of the document. Specifically, revisions were made to the Medical Risk Factors, Obstetric Procedures, Complications of Labor and/or Delivery, Method of Delivery, Abnormal Conditions of the Newborn and Congenital Anomalies sections. In some cases, the section names were changed, and a number of check box items were added, deleted or amended, as appropriate, to elicit more specific and/or attainable information.

In addition, items were added to the certificate to address data collection needs and facilitate the linkage of data sets. Questions were also added to collect information on maternal morbidity, mother's height and weight, WIC participation, principal source of payment for delivery, infections present and breastfeeding status. All of the changes listed are anticipated to lead to improvements in the quality of birth data.

Please note that not all states have implemented the use of the new birth certificate format. Therefore, items which were added or significantly revised in the 2003 revisions will most likely not have information provided for Pennsylvania residents who gave birth in another state. These unknown data will appear in residence data but not occurrence data.

2. Overview of Revised or New Data Items

Height and weight of the mother. The 2003 certificate collected data on the mother's height for the first time. Previously, it only asked for the weight gained by the mother during pregnancy. Now, the mother's pre-pregnancy weight and weight at delivery are collected.

Race of the mother and the father. The race items were revised from an open-ended question to a check box format which allows multiple races to be reported. The certificate used by Pennsylvania was also revised to

collect self-designated single race data. For this report, the multiple race data was utilized. Also, consistent with national guidelines, birth records prior to 2003 with write-ins of Hispanic for race were coded to white. Starting in 2003, these records were coded as other.

Prenatal care visits. In previous years, the mother or prenatal care provider reported the month of pregnancy in which the mother began prenatal care. As of 2003, this item was replaced by the exact dates of first and last prenatal visit. Therefore, the month prenatal care began is now calculated from the last normal menses date and the date of first prenatal care visit.

Tobacco use. This item was revised to collect the average number of cigarettes smoked per day during the three months before pregnancy and by trimester (first three months, second three months, and last three months) during pregnancy. Prior to 2003, a simple yes/no question ("Tobacco use during pregnancy?") and average number of cigarettes smoked per day (throughout the pregnancy) were asked.

Risk factors. The 2003 certificate gathers this information in greater detail by asking when diabetes was diagnosed (pre-pregnancy or gestational). Additional information on whether the pregnancy was assisted by reproduction technology (i.e. pregnancy resulted from infertility treatment) is also collected.

Method of delivery. Several new questions are asked including the fetal presentation at birth, whether a delivery with forceps or vacuum extraction was attempted but unsuccessful, and whether a trial of labor was attempted. This section was revised so that the provider reports only the final route and method of delivery.

Obstetric procedures. New choices have been added including the success or failure of an external cephalic version.

Abnormal conditions of the newborn. The selections within this portion of the certificate have been revised to include information on neonatal intensive care unit (NICU) admission, significant birth injury, and antibiotics received by the newborn for suspected neonatal sepsis.

Congenital anomalies of the newborn. Many of the anomalies previously listed, including an "other anomalies" category, are no longer collected. Additional choices have been added to both the Down syndrome and suspected chromosomal disorder options to gather

greater detail.

Education. Prior to 2003, the mother was asked to report the highest grade completed. The 2003 certificate includes a series of check boxes to report the highest level of education completed at the time of delivery. The check boxes include degrees completed rather than years of schooling.

New data items. Other new data items collected on the 2003 certificate not previously mentioned in this section include:

- Infections during pregnancy
- Infant being breastfed
- Principal source of payment for delivery
- Maternal morbidity
- WIC food received

G. 2006 REVISIONS TO CERTIFICATES OF DEATH AND FETAL DEATH

1. Background

Starting in 2006, Pennsylvania implemented the latest revisions of the U.S. Standard Certificate of Death and Certificate of Fetal Death. Following an evaluation process initiated by NCHS, revisions were made to both certificates. As mentioned previously, the standard certificates have been the principal means for achieving the uniformity in information upon which national vital statistics are based.

Three new data items were added to the Certificate of Death, allowing previous data to still be comparable. The three questions added pertained to tobacco use contributing to death, whether the decedent was pregnant at the time of death, and the type of transportation injury death, if a transportation-related injury death occurred.

While most data items on the Certificate of Fetal Death are comparable to past years, certain items have been changed or removed which will cause discontinuity in some fetal death trend data. Many of the changes made were to questions concerning the mother. Specifically, revisions were made to the Cause/Conditions Contributing to the Fetal Death, Medical Risk Factors, Complications of Labor and/or Delivery, Method of Delivery and Congenital Anomalies sections. In some cases, the section names

were changed, and a number of check box items were added, such as those for race of the mother or mother's education.

H. UNDERLYING CAUSES OF DEATH

1. Implementation of ICD-10

Starting with the reporting of 1999 deaths, the International Classification of Diseases (ICD) system for mortality adopted the new Tenth Revision or ICD-10 coding structure and rules for determining and classifying underlying causes of death. ICD-10 replaces ICD-9, which was first used for 1979 events. The first ICD was created in 1900 and was usually revised every ten years after that. It is developed by the World Health Organization (WHO) in collaboration with ten international centers, one of which is the National Center for Health Statistics (NCHS), to promote international comparability for presentation and analysis of mortality statistics. All states, in order to insure universal comparability, have followed international and national standards and implemented use of ICD-10 in 1999.

The change from ICD-9 to ICD-10 (the first revision in twenty years) has affected the reporting of leading causes of death, thereby creating major discontinuities in mortality trend data.

The rationale for the periodic revisions to the ICD system has been to reflect advances in medical science and changes in diagnostic terminology. Some major differences between ICD-10 and ICD-9 include the following:

- ICD-10 is far more detailed than ICD-9; about 8,000 categories compared with 4,000.
- ICD-10 uses 4-digit alphanumeric codes compared with 4-digit numeric codes used in ICD-9.
- Cause-of-death titles have been changed and medical conditions have been regrouped.
- Some coding or classification rules have been changed.

Due to the adoption of ICD-10, some major causes of death are not entirely comparable to those coded under ICD-9. Some simply have a name change, but include the same conditions. Also, please note that, starting with 2001 deaths, new ICD-10 codes for Terrorism Deaths were added (U01.0-U03.9).

2. Comparability Ratios (ICD 10 vs. ICD 9)

As stated above, the new ICD revisions for determining and classifying underlying causes of death resulted in major discontinuities when comparing causes from previous years. To assist the public health community in understanding the discontinuities caused by adoption of ICD-10, NCHS double-coded all United States deaths (2.3 million) for 1996 according to ICD-9 and ICD-10 standards. This allowed NCHS to produce comparability ratios from the two coded data sets by dividing the number of deaths for a selected cause classified under ICD-10 by the number of deaths classified to the most nearly comparable cause of death under ICD-9. The resulting ratio represents the net effect of the revision on the counts for this cause and can be used to explain changes in numbers and rates. Please contact the Division of Health Informatics for a list of these ratios by cause of death. Additional information on ICD-9 and ICD-10 comparability issues can be found on the NCHS web site at www.cdc.gov/nchs/icd.htm.

Most causes have a comparability ratio close to 1.0, which represents a near perfect match. However, several causes do have somewhat higher or lower ratios, most notably "Influenza and Pneumonia" and "Alzheimer's Disease." The high/low ratios for those two causes are directly due to the changes in the coding rules for classifying underlying cause of death under ICD-10.

Pneumonia is most often the consequence of another condition or injury, and ICD-10 allows for a much broader range of conditions, of which pneumonia can be considered a consequence. As a result, pneumonia is much less likely to be selected as an underlying cause of death under ICD-10 than under ICD-9. The opposite is true of Alzheimer's disease, which is now much more likely to be determined as an underlying cause of death under ICD-10.

I. MULTIPLE CAUSES OF DEATH

Traditionally, aggregate mortality statistics have been based on a tabulation of deaths, with one underlying cause assigned for each death. However, the medical certifier is required to report on a death certificate the immediate cause of death, the antecedent conditions which gave rise to the immediate cause, the underlying cause and any other significant conditions contributing to death that are not related to any previously stated causes on the death certificate. An ever increasing demand for more comprehensive mortality data, coupled with advances in computer technology, resulted in the development of the Automated Classification of Medical Entities (ACME) system by

NCHS.

The principal objective of this system is to provide full medical information from death certificates by assigning the traditional underlying cause, as well as tabulating multiple causes from all medical conditions listed on the certificates by the certifier, through automated application of the internationally recognized classification of diseases. The result is multiple cause data made available on computer tape by means of a system of computer programs furnished by NCHS.

The multiple causes of death information are coded to computer files in two formats: record axis and entity axis. Entity codes identify the conditions causing or contributing to death, together with their position as they were entered in the cause of death section of the death certificate. Record axis codes, on the other hand, reflect the application of a uniform set of rules to the entity codes in order to eliminate redundancies and internal inconsistencies and to substitute the preferred codes for a given combination of conditions. Use of the entity codes is necessary to study the temporal and causal relationships among the conditions associated with a given set of deaths. Use of the record axis codes, however, is necessary if the conditions associated with death are to be aggregated and tabulated on a uniform basis.

Please contact the Division of Health Informatics if you are interested in more information about multiple causes of death statistics.

J. MULTI-RACE DESIGNATION

Starting in 2013, race was derived from multiple race selections. Prior to 2013, race was derived from a single race designation field. For example, starting in 2013, a count in “White” means that it was the only race selected from a list of multiple race selections. Prior to 2013, “White” meant that the single race designation was “White” alone. For 2013 and forward, a new race designation of “Multi-Race” was assigned to people that chose more than one race out of the possible selections. As an example, “White” and “Black” chosen together would yield “Multi-Race” as the race designation. However, if only one race was chosen in this example, the person would be designated as either “White” only or “Black” only depending on their selection.