Pennsylvania Vital Statistics 2019

May 2021

pennsylvania
DEPARTMENT OF HEALTH

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Table A-1
Population* in Pennsylvania, 1950-2019

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

* 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 2019 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 and 2019

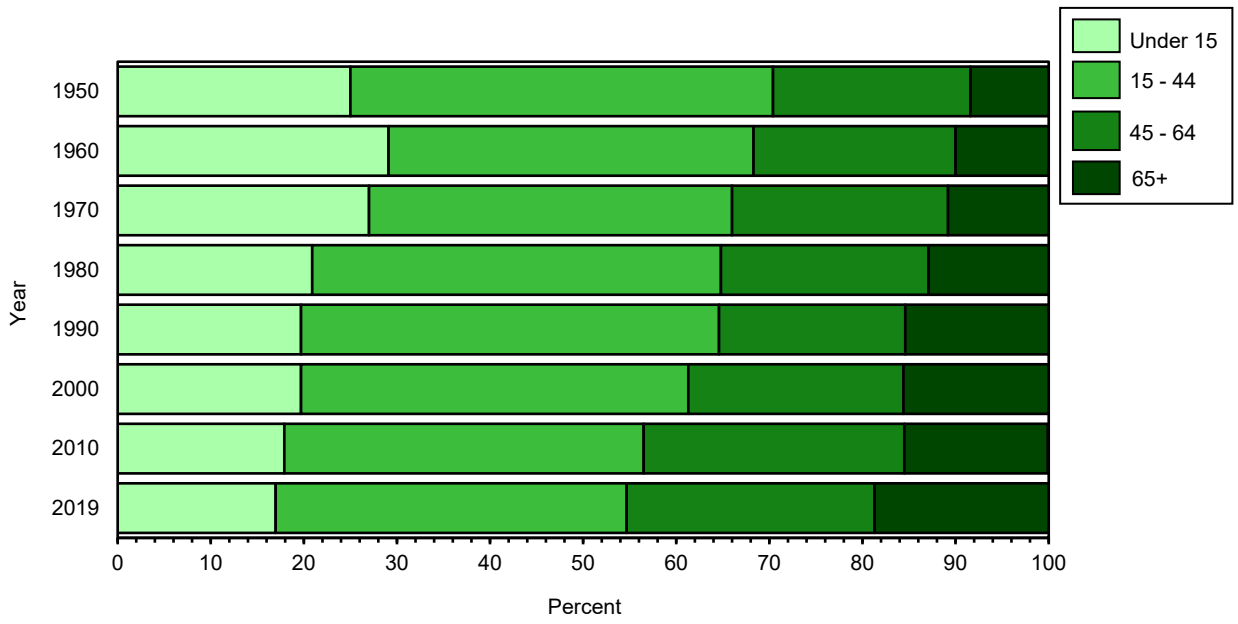


Table A-2
Population by Age, Race, and Hispanic Origin
Pennsylvania, 2019

Age Group (In Years)	Race					Hispanic Origin
	All Races	White	Black	Asian/ Pacific Islander	Multi-Race	
All Ages	12,801,989	10,447,062	1,540,092	491,871	272,277	1,000,150
Under 1 Year	133,436	104,106	18,458	6,285	4,026	16,058
1 - 4	564,488	417,291	88,242	22,818	32,252	79,179
5 - 9	726,053	534,709	116,661	31,393	38,786	96,153
10 - 14	749,587	568,158	110,862	30,100	36,777	93,013
15 - 19	803,978	620,483	114,727	34,738	30,204	88,266
20 - 24	799,230	614,753	118,258	37,053	25,501	83,608
25 - 29	861,372	656,272	136,410	43,109	21,399	85,528
30 - 34	847,764	664,650	116,754	46,120	16,274	80,428
35 - 39	791,515	632,690	99,017	43,029	13,238	75,872
40 - 44	722,224	581,689	89,050	37,579	10,738	66,099
45 - 49	773,596	636,280	89,656	35,146	9,703	56,765
50 - 54	830,501	699,887	90,678	28,885	8,173	48,838
55 - 59	909,697	783,153	91,173	25,387	7,192	40,834
60 - 64	895,186	783,261	81,740	21,619	6,142	30,998
65 - 69	755,303	668,970	62,427	17,623	4,543	21,443
70 - 74	598,790	536,855	44,824	12,815	3,055	15,752
75 - 79	419,523	378,316	29,812	8,638	1,960	9,496
80 - 84	287,634	260,691	20,032	5,182	1,233	6,121
85 and Over	332,112	304,848	21,311	4,352	1,081	5,699

Source: 2019 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, 2010 and 2019

Age Group (In Years)	Both Sexes		Male		Female	
	2019 Estimated Population	2010 Enumerated Population	2019 Estimated Population	2010 Enumerated Population	2019 Estimated Population	2010 Enumerated Population
All Ages	12,801,989	12,702,379	6,274,361	6,190,363	6,527,628	6,512,016
Under 1 Year	133,436	141,550	68,265	72,236	65,171	69,314
1 - 4	564,488	587,988	288,824	300,980	275,664	287,008
5 - 9	726,053	753,635	371,201	384,359	354,852	369,276
10 - 14	749,587	791,151	383,679	405,227	365,908	385,924
15 - 19	803,978	905,066	409,186	462,465	394,792	442,601
20 - 24	799,230	874,146	406,017	441,886	393,213	432,260
25 - 29	861,372	781,527	440,810	392,569	420,562	388,958
30 - 34	847,764	729,592	430,526	364,681	417,238	364,911
35 - 39	791,515	764,287	397,078	380,172	394,437	384,115
40 - 44	722,224	851,382	359,573	421,689	362,651	429,693
45 - 49	773,596	955,763	383,629	470,543	389,967	485,220
50 - 54	830,501	984,641	408,851	484,289	421,650	500,352
55 - 59	909,697	879,048	443,069	430,202	466,628	448,846
60 - 64	895,186	743,296	431,750	358,008	463,436	385,288
65 - 69	755,303	553,002	358,688	258,653	396,615	294,349
70 - 74	598,790	426,536	277,273	192,187	321,517	234,349
75 - 79	419,523	362,332	184,835	153,890	234,688	208,442
80 - 84	287,634	311,761	118,280	120,931	169,354	190,830
85 and Over	332,112	305,676	112,827	95,396	219,285	210,280

Source: 2010 population enumerated by the U.S. Bureau of the Census. 2019 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, 2019

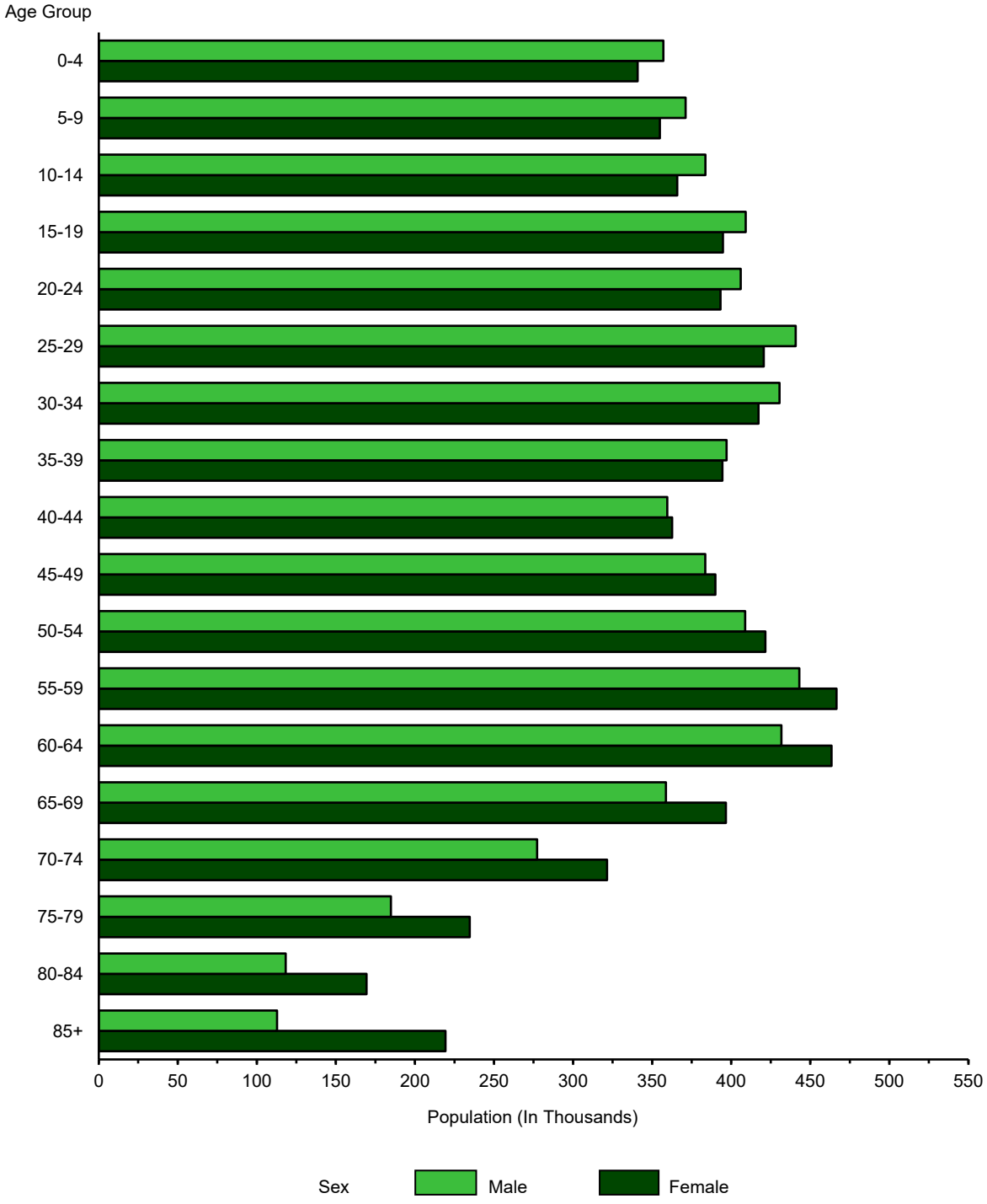


Table A-4

Population by County: Pennsylvania, 2010 and 2019

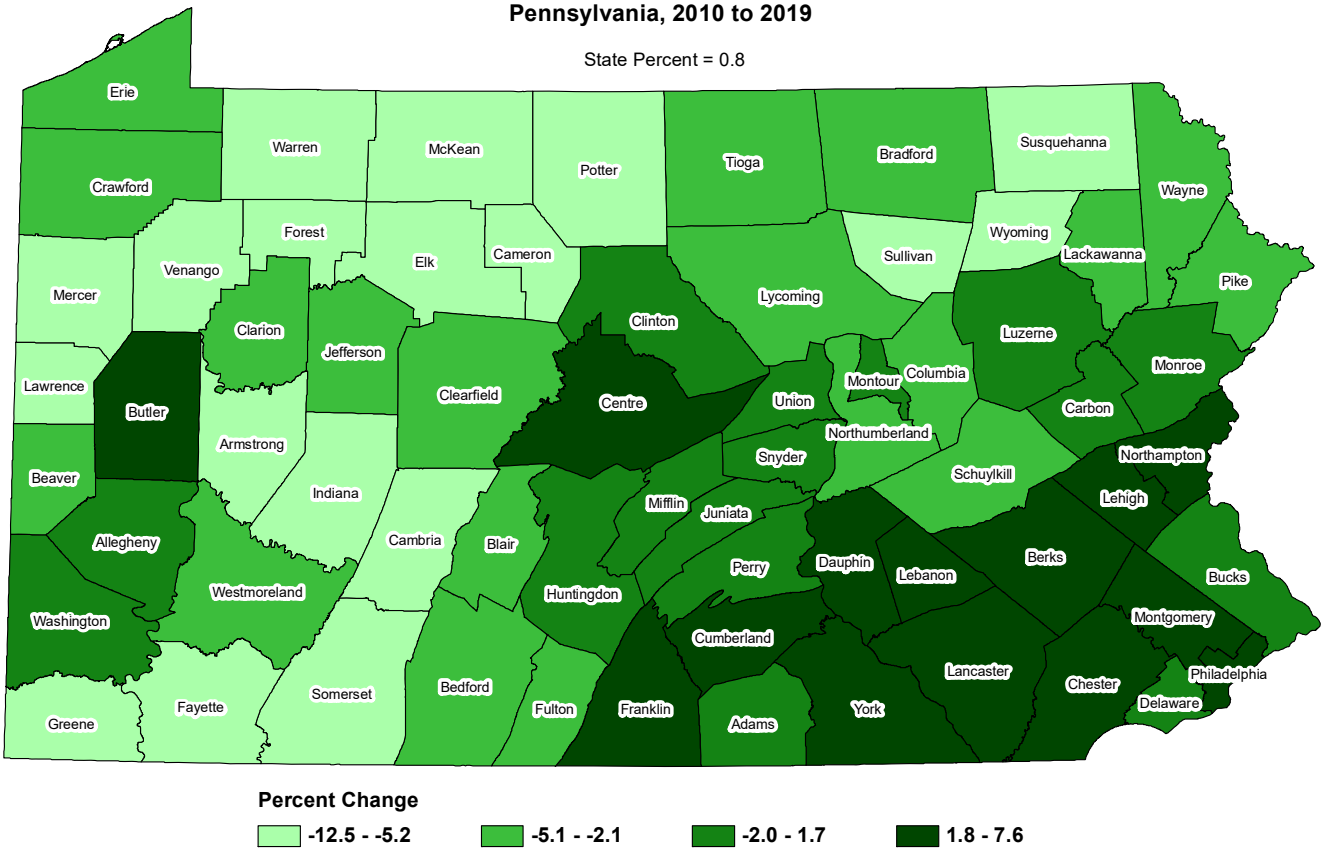
County	2019 Estimated Population	2010 Enumerated Population	Percent Change 2010-2019
Pennsylvania	12,801,989	12,702,379	0.8
Adams	103,009	101,407	1.6
Allegheny	1,216,045	1,223,348	-0.6
Armstrong	64,735	68,941	-6.1
Beaver	163,929	170,539	-3.9
Bedford	47,888	49,762	-3.8
Berks	421,164	411,442	2.4
Blair	121,829	127,089	-4.1
Bradford	60,323	62,622	-3.7
Bucks	628,270	625,249	0.5
Butler	187,853	183,862	2.2
Cambria	130,192	143,679	-9.4
Cameron	4,447	5,085	-12.5
Carbon	64,182	65,249	-1.6
Centre	162,385	153,990	5.5
Chester	524,989	498,886	5.2
Clarion	38,438	39,988	-3.9
Clearfield	79,255	81,642	-2.9
Clinton	38,632	39,238	-1.5
Columbia	64,964	67,295	-3.5
Crawford	84,629	88,765	-4.7
Cumberland	253,370	235,406	7.6
Dauphin	278,299	268,100	3.8
Delaware	566,747	558,979	1.4
Elk	29,910	31,946	-6.4
Erie	269,728	280,566	-3.9
Fayette	129,274	136,606	-5.4
Forest	7,247	7,716	-6.1
Franklin	155,027	149,618	3.6
Fulton	14,530	14,845	-2.1
Greene	36,233	38,686	-6.3
Huntingdon	45,144	45,913	-1.7
Indiana	84,073	88,880	-5.4
Jefferson	43,425	45,200	-3.9
Juniata	24,763	24,636	0.5
Lackawanna	209,674	214,437	-2.2
Lancaster	545,724	519,445	5.1
Lawrence	85,512	91,108	-6.1
Lebanon	141,793	133,568	6.2
Lehigh	369,318	349,497	5.7
Luzerne	317,417	320,918	-1.1
Lycoming	113,299	116,111	-2.4
McKean	40,625	43,450	-6.5
Mercer	109,424	116,638	-6.2
Mifflin	46,138	46,682	-1.2
Monroe	170,271	169,842	0.3
Montgomery	830,915	799,874	3.9
Montour	18,230	18,267	-0.2
Northampton	305,285	297,735	2.5
Northumberland	90,843	94,528	-3.9
Perry	46,272	45,969	0.7
Philadelphia	1,584,064	1,526,006	3.8
Pike	55,809	57,369	-2.7
Potter	16,526	17,457	-5.3
Schuylkill	141,359	148,289	-4.7
Snyder	40,372	39,702	1.7
Somerset	73,447	77,742	-5.5
Sullivan	6,066	6,428	-5.6
Susquehanna	40,328	43,356	-7.0
Tioga	40,591	41,981	-3.3
Union	44,923	44,947	-0.1
Venango	50,668	54,984	-7.8
Warren	39,191	41,815	-6.3
Washington	206,865	207,820	-0.5
Wayne	51,361	52,822	-2.8
Westmoreland	348,899	365,169	-4.5
Wyoming	26,794	28,276	-5.2
York	449,058	434,972	3.2

Source: 2010 population enumerated by the U.S. Bureau of the Census. 2019 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, 2010 to 2019

State Percent = 0.8



Percent Change

-12.5 - -5.2 **-5.1 - -2.1** **-2.0 - 1.7** **1.8 - 7.6**

Table A-5A

Total Population by Age and County: Pennsylvania, 2019

		Age Group (In Years)							
County	All Ages	Under 1	1 - 4	5 - 9	10 - 14	15 - 17	18 - 19	20 - 24	25 - 29
Pennsylvania	12,801,989	133,436	564,488	726,053	749,587	458,289	345,689	799,230	861,372
Adams	103,009	924	4,138	5,596	5,956	3,876	2,841	6,588	5,731
Allegheny	1,216,045	12,869	50,902	62,399	62,176	39,714	30,005	73,467	92,918
Armstrong	64,735	607	2,561	3,408	3,609	2,105	1,221	3,177	3,580
Beaver	163,929	1,542	6,676	8,712	9,079	5,356	3,404	8,536	9,808
Bedford	47,888	450	1,877	2,471	2,639	1,758	922	2,393	2,645
Berks	421,164	4,620	19,408	25,567	27,099	17,073	12,251	27,473	26,706
Blair	121,829	1,143	5,119	6,784	7,240	4,366	3,033	6,201	7,862
Bradford	60,323	635	2,727	3,795	3,828	2,146	1,203	3,054	3,468
Bucks	628,270	5,607	24,773	33,623	38,278	24,332	14,075	35,215	34,689
Butler	187,853	1,703	7,601	10,278	10,663	6,887	5,272	10,553	10,229
Cambria	130,192	1,202	5,235	6,749	7,177	4,451	3,760	7,984	6,990
Cameron	4,447	35	177	241	200	117	106	190	205
Carbon	64,182	546	2,528	3,242	3,715	2,262	1,227	3,095	3,556
Centre	162,385	1,128	5,014	6,693	6,842	4,164	11,585	26,725	11,711
Chester	524,989	5,336	23,399	32,156	35,187	21,895	15,002	32,124	29,851
Clarion	38,438	360	1,618	1,977	1,996	1,376	1,500	3,316	2,267
Clearfield	79,255	725	2,977	3,790	4,227	2,526	1,525	4,611	5,070
Clinton	38,632	418	1,547	2,067	2,293	1,215	1,711	3,971	2,344
Columbia	64,964	530	2,278	3,093	3,413	1,799	3,344	6,635	3,696
Crawford	84,629	901	3,758	4,561	4,964	3,124	2,443	5,099	4,849
Cumberland	253,370	2,608	10,996	14,281	14,687	8,564	7,930	16,047	16,175
Dauphin	278,299	3,317	13,765	17,494	17,496	9,948	6,435	16,141	20,262
Delaware	566,747	6,372	27,075	34,878	34,571	22,296	16,845	37,286	36,871
Elk	29,910	275	1,163	1,640	1,617	1,049	593	1,538	1,531
Erie	269,728	2,769	12,283	15,453	16,472	9,880	8,747	17,531	17,739
Fayette	129,274	1,254	5,220	6,779	6,930	4,268	2,599	6,900	8,181
Forest	7,247	29	108	155	198	250	185	652	728
Franklin	155,027	1,716	7,327	9,319	9,847	6,068	3,516	8,193	9,487
Fulton	14,530	143	603	760	859	474	315	793	806
Greene	36,233	333	1,564	1,957	1,979	1,250	1,001	2,284	2,382
Huntingdon	45,144	398	1,537	2,117	2,409	1,486	1,333	2,899	2,872
Indiana	84,073	806	3,078	4,135	4,305	2,460	4,453	9,180	4,841
Jefferson	43,425	466	1,947	2,577	2,588	1,586	986	2,186	2,487
Juniata	24,763	266	1,178	1,462	1,585	990	587	1,305	1,427
Lackawanna	209,674	2,033	8,977	11,998	12,454	7,660	5,471	12,364	12,850
Lancaster	545,724	6,712	28,995	35,165	35,808	21,173	14,650	33,411	36,657
Lawrence	85,512	827	3,714	4,567	4,827	3,011	2,049	4,837	4,904
Lebanon	141,793	1,532	6,744	9,076	9,242	5,448	3,576	8,415	8,429
Lehigh	369,318	4,222	17,723	22,680	23,725	14,790	9,772	23,545	24,798
Luzerne	317,417	3,285	13,390	17,085	17,584	11,391	8,024	19,121	20,814
Lycoming	113,299	1,183	4,817	6,499	6,647	3,896	3,235	6,877	7,387
McKean	40,625	354	1,605	2,220	2,390	1,532	1,102	2,464	2,428
Mercer	109,424	1,052	4,327	5,409	6,063	4,073	3,205	7,299	5,898
Mifflin	46,138	560	2,275	2,803	2,898	1,754	883	2,409	2,771
Monroe	170,271	1,464	6,484	8,428	10,021	6,958	5,468	11,977	10,131
Montgomery	830,915	8,318	37,032	49,438	51,891	30,753	20,096	46,535	49,857
Montour	18,230	213	835	1,048	964	624	396	811	1,128
Northampton	305,285	2,827	11,687	16,130	18,106	11,633	9,522	20,050	18,471
Northumberland	90,843	909	3,798	4,781	5,116	2,940	1,877	4,820	5,568
Perry	46,272	512	2,123	2,772	2,737	1,781	844	2,283	2,844
Philadelphia	1,584,064	20,333	82,085	98,890	89,610	50,578	44,604	108,455	157,998
Pike	55,809	392	1,830	2,277	3,105	2,013	1,279	3,044	2,724
Potter	16,526	143	688	939	946	631	319	781	894
Schuylkill	141,359	1,269	5,595	7,481	8,286	5,152	2,683	7,273	8,742
Snyder	40,372	435	1,755	2,144	2,444	1,557	1,740	2,948	2,277
Somerset	73,447	684	2,661	3,471	3,808	2,388	1,329	3,836	4,370
Sullivan	6,066	46	127	156	161	141	172	316	305
Susquehanna	40,328	368	1,490	1,991	2,232	1,330	792	1,909	2,140
Tioga	40,591	399	1,723	2,236	2,272	1,308	1,233	2,241	2,230
Union	44,923	389	1,697	2,089	2,229	1,555	2,176	3,839	2,717
Venango	50,668	473	1,928	2,646	2,842	1,601	1,214	2,369	2,674
Warren	39,191	407	1,664	2,020	2,130	1,250	865	1,908	2,105
Washington	206,865	1,915	8,375	11,264	11,456	7,224	5,037	11,894	11,609
Wayne	51,361	411	1,622	2,334	2,367	1,580	982	2,616	2,839
Westmoreland	348,899	2,907	12,649	17,383	18,746	11,507	7,574	18,441	19,115
Wyoming	26,794	233	1,085	1,360	1,562	950	661	1,503	1,549
York	449,058	4,596	20,831	27,064	28,794	16,996	10,904	25,297	28,185

Source: 2019 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, 2019

	Age Group (In Years)								
County	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 64	65 - 74	75 - 84	85+
Pennsylvania	847,764	791,515	722,224	773,596	830,501	1,804,883	1,354,093	707,157	332,112
Adams	5,523	5,540	5,387	6,319	7,271	15,589	12,553	6,457	2,720
Allegheny	95,262	80,373	66,554	68,347	73,397	172,383	132,184	68,064	35,031
Armstrong	3,389	3,505	3,667	4,055	4,503	10,719	8,257	4,463	1,909
Beaver	9,620	9,831	8,880	9,447	10,796	26,144	20,147	10,827	5,124
Bedford	2,394	2,471	2,554	3,133	3,346	7,614	6,006	3,688	1,527
Berks	25,987	24,975	23,595	26,018	28,216	58,057	41,895	21,542	10,682
Blair	7,164	7,074	6,968	7,379	7,846	17,715	14,407	7,867	3,661
Bradford	3,234	3,174	3,006	3,481	3,997	9,362	7,372	4,227	1,614
Bucks	35,485	38,022	36,275	40,655	45,919	100,533	69,016	35,240	16,533
Butler	11,108	11,465	10,878	12,037	13,701	29,009	20,880	10,669	4,920
Cambria	6,695	6,700	7,084	7,765	8,358	19,800	16,961	8,892	4,389
Cameron	188	205	199	246	301	789	711	355	182
Carbon	3,512	3,635	3,661	4,174	4,703	10,382	8,153	4,168	1,623
Centre	10,370	9,212	8,365	8,631	8,981	18,830	13,829	7,156	3,149
Chester	31,071	33,061	32,223	34,540	36,749	74,044	51,486	25,554	11,311
Clarion	2,189	1,950	1,900	2,257	2,450	5,486	4,374	2,433	989
Clearfield	4,601	4,712	4,721	5,470	5,730	11,956	9,225	5,149	2,240
Clinton	1,986	2,011	1,961	2,274	2,206	5,226	4,076	2,364	962
Columbia	3,427	3,412	3,256	3,842	4,104	9,103	7,413	3,872	1,747
Crawford	4,593	4,596	4,395	5,185	5,615	12,583	10,606	5,357	2,000
Cumberland	17,172	16,553	14,999	15,902	16,061	33,645	26,944	14,324	6,482
Dauphin	18,723	17,733	15,781	16,959	17,477	38,348	28,600	13,644	6,176
Delaware	37,620	36,544	33,057	33,343	36,133	78,862	53,591	26,983	14,420
Elk	1,468	1,544	1,459	1,913	2,348	5,035	3,691	2,114	932
Erie	17,384	16,073	14,535	15,777	16,848	37,987	29,043	14,382	6,825
Fayette	7,515	7,161	7,346	8,374	8,960	19,730	16,070	8,229	3,758
Forest	562	459	387	454	424	1,005	921	591	139
Franklin	9,137	9,140	8,743	9,943	10,151	21,271	17,138	9,800	4,231
Fulton	750	783	833	989	1,052	2,172	1,779	1,101	318
Greene	2,175	2,025	2,262	2,418	2,388	5,201	4,252	1,914	848
Huntingdon	2,842	2,639	2,604	2,928	3,022	6,419	5,456	3,036	1,147
Indiana	4,125	4,424	3,997	4,521	5,076	11,850	9,555	5,150	2,117
Jefferson	2,425	2,476	2,301	2,567	2,860	6,630	5,124	2,959	1,260
Juniata	1,383	1,343	1,378	1,517	1,629	3,600	2,834	1,609	670
Lackawanna	13,315	12,467	11,571	12,724	13,576	29,592	23,551	12,699	6,372
Lancaster	35,731	32,773	29,793	30,695	32,337	71,443	54,554	30,483	15,344
Lawrence	4,592	4,585	4,600	5,118	5,533	13,079	10,598	5,825	2,846
Lebanon	8,311	8,405	8,090	8,499	8,701	19,152	15,461	8,632	4,080
Lehigh	24,217	23,957	22,211	22,600	23,386	48,508	35,332	18,875	8,977
Luzerne	19,836	18,857	17,718	20,000	21,620	44,715	35,440	19,102	9,435
Lycoming	7,384	6,802	5,954	6,608	7,181	16,368	12,714	6,559	3,188
McKean	2,453	2,267	2,280	2,621	2,681	6,081	4,545	2,493	1,109
Mercer	5,654	5,812	5,783	6,563	7,296	16,667	13,260	7,426	3,637
Mifflin	2,481	2,455	2,326	2,800	3,081	6,461	5,431	3,351	1,399
Monroe	9,474	9,014	9,435	10,696	12,876	27,498	18,645	8,732	2,970
Montgomery	54,144	54,983	50,467	52,734	56,256	117,437	83,542	44,211	23,221
Montour	1,335	1,118	951	1,035	1,135	2,714	2,008	1,253	662
Northampton	18,626	18,173	17,254	19,008	20,670	43,503	33,137	17,378	9,110
Northumberland	5,489	5,420	5,050	5,596	6,062	13,611	11,008	5,985	2,813
Perry	2,753	2,773	2,646	3,016	3,303	7,079	5,478	2,464	864
Philadelphia	147,556	111,819	89,847	87,261	89,634	183,716	128,293	63,344	30,041
Pike	2,672	2,796	2,983	3,506	4,372	9,705	7,622	4,219	1,270
Potter	773	853	844	906	1,104	2,662	2,302	1,211	530
Schuylkill	8,418	8,501	8,171	9,506	10,177	20,783	16,553	8,739	4,030
Snyder	2,270	2,137	2,138	2,439	2,649	5,556	4,304	2,519	1,060
Somerset	4,128	4,294	4,269	4,882	5,024	11,427	9,408	5,048	2,420
Sullivan	293	293	309	331	385	1,270	987	555	219
Susquehanna	1,950	2,104	1,981	2,413	2,715	7,118	5,562	3,134	1,099
Tioga	2,282	2,237	2,061	2,361	2,625	6,228	5,075	2,995	1,085
Union	3,254	3,035	2,830	2,703	2,692	5,377	4,338	2,692	1,311
Venango	2,628	2,706	2,751	3,012	3,405	8,718	6,775	3,399	1,527
Warren	1,981	2,105	1,978	2,327	2,737	6,498	5,123	2,890	1,203
Washington	11,954	12,091	11,742	12,854	14,137	31,772	25,027	12,864	5,650
Wayne	2,985	2,904	2,800	3,230	3,581	8,487	7,501	3,811	1,311
Westmoreland	18,346	19,345	18,585	21,760	24,749	56,529	45,836	24,355	11,072
Wyoming	1,440	1,460	1,426	1,721	1,725	4,257	3,489	1,779	594
York	27,960	28,153	26,169	29,211	30,478	63,793	46,645	23,955	10,027

Source: 2019 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, 2019

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	6,274,361	68,265	288,824	371,201	383,679	234,243	174,943	406,017	440,810
Adams	50,688	474	2,071	2,889	3,021	1,973	1,398	3,327	2,946
Allegheny	588,435	6,640	25,961	31,730	31,891	20,086	15,183	36,346	47,067
Armstrong	32,228	308	1,331	1,763	1,841	1,035	640	1,664	1,873
Beaver	79,636	773	3,366	4,467	4,690	2,681	1,812	4,352	5,005
Bedford	23,807	228	980	1,261	1,355	896	496	1,271	1,370
Berks	207,341	2,372	9,898	13,086	13,944	8,639	6,146	14,074	13,759
Blair	59,681	611	2,600	3,496	3,764	2,261	1,605	3,166	4,088
Bradford	29,945	329	1,412	1,907	1,950	1,088	626	1,552	1,775
Bucks	308,236	2,883	12,688	17,066	19,593	12,600	7,404	17,822	17,746
Butler	93,141	902	3,854	5,294	5,464	3,470	2,663	5,397	5,418
Cambria	64,147	629	2,719	3,482	3,643	2,292	1,906	4,119	3,680
Cameron	2,223	18	90	126	104	68	57	88	107
Carbon	31,955	284	1,299	1,640	1,851	1,144	653	1,596	1,861
Centre	85,395	587	2,618	3,530	3,523	2,061	5,832	15,112	6,656
Chester	258,506	2,720	11,779	16,356	17,900	11,094	7,442	16,097	15,476
Clarion	18,857	185	890	1,023	1,001	668	672	1,606	1,136
Clearfield	41,790	366	1,609	1,930	2,187	1,313	829	2,782	2,973
Clinton	18,956	207	777	1,050	1,185	596	768	1,841	1,265
Columbia	31,272	260	1,151	1,554	1,743	930	1,444	3,050	1,966
Crawford	41,443	465	1,864	2,372	2,585	1,578	1,193	2,573	2,388
Cumberland	125,463	1,343	5,603	7,271	7,544	4,374	3,796	8,212	8,537
Dauphin	134,905	1,696	7,089	8,987	8,859	5,038	3,325	8,088	9,977
Delaware	272,823	3,225	13,918	17,665	17,603	11,474	8,778	18,573	18,264
Elk	15,026	141	576	867	834	520	319	799	798
Erie	133,330	1,412	6,300	7,900	8,402	5,162	4,415	9,065	9,120
Fayette	64,171	646	2,665	3,441	3,581	2,146	1,334	3,560	4,454
Forest	4,993	15	65	82	101	200	141	571	650
Franklin	76,241	901	3,654	4,822	5,109	3,192	1,849	4,064	4,866
Fulton	7,313	79	319	386	442	213	163	421	426
Greene	18,888	180	785	988	1,063	639	489	1,250	1,393
Huntingdon	24,083	200	745	1,082	1,221	747	636	1,607	1,778
Indiana	42,061	407	1,633	2,147	2,192	1,271	2,089	4,694	2,652
Jefferson	21,610	250	980	1,324	1,315	810	493	1,114	1,256
Juniata	12,443	125	619	747	800	509	312	667	733
Lackawanna	101,884	1,047	4,622	6,106	6,515	3,953	2,677	6,097	6,513
Lancaster	267,409	3,426	14,958	18,195	18,277	10,741	7,414	16,680	18,534
Lawrence	41,398	426	1,844	2,284	2,421	1,551	1,004	2,511	2,520
Lebanon	69,733	785	3,427	4,550	4,789	2,869	1,830	4,246	4,325
Lehigh	181,143	2,137	9,209	11,622	12,461	7,601	4,834	11,770	12,572
Luzerne	157,152	1,683	6,731	8,630	9,007	5,853	4,211	9,946	11,138
Lycoming	55,496	592	2,502	3,297	3,377	1,919	1,799	3,515	3,760
McKean	20,854	169	826	1,203	1,232	800	584	1,297	1,368
Mercer	54,108	523	2,276	2,813	3,084	2,136	1,757	3,819	3,057
Mifflin	22,528	293	1,098	1,379	1,453	913	475	1,257	1,433
Monroe	84,490	744	3,334	4,360	5,161	3,482	2,716	6,098	5,363
Montgomery	404,000	4,269	18,880	25,204	26,543	15,462	10,025	23,107	25,536
Montour	8,834	109	440	542	515	349	230	386	568
Northampton	150,230	1,418	5,991	8,336	9,218	6,013	5,004	10,624	9,561
Northumberland	45,662	464	1,967	2,451	2,636	1,546	992	2,655	2,976
Perry	23,391	252	1,064	1,430	1,468	1,018	439	1,190	1,466
Philadelphia	749,539	10,399	42,060	50,404	45,327	25,723	21,834	53,036	76,418
Pike	28,314	203	948	1,193	1,634	1,032	703	1,612	1,462
Potter	8,244	79	340	474	482	338	166	421	464
Schuylkill	72,432	668	2,860	3,876	4,259	2,713	1,438	3,917	4,981
Snyder	20,026	214	905	1,135	1,300	792	849	1,493	1,165
Somerset	38,411	367	1,336	1,739	1,961	1,190	714	2,251	2,629
Sullivan	3,170	22	68	78	76	90	134	204	172
Susquehanna	20,245	169	768	992	1,105	681	441	1,013	1,160
Tioga	20,147	208	928	1,189	1,162	679	565	1,086	1,095
Union	24,536	205	866	1,075	1,141	808	1,039	2,163	1,738
Venango	25,079	243	992	1,360	1,460	830	670	1,247	1,412
Warren	19,617	191	847	1,039	1,082	666	465	998	1,111
Washington	101,770	975	4,292	5,825	5,819	3,690	2,544	6,147	5,993
Wayne	27,280	198	820	1,223	1,226	813	531	1,472	1,708
Westmoreland	170,779	1,531	6,419	8,821	9,533	5,959	3,962	9,495	9,919
Wyoming	13,449	112	543	692	838	504	342	777	837
York	221,979	2,283	10,755	13,953	14,816	8,761	5,647	12,967	14,397

Source: 2019 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, 2019

	Age of Male (In Years)								
County	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 64	65 - 74	75 - 84	85+
Pennsylvania	430,526	397,078	359,573	383,629	408,851	874,819	635,961	303,115	112,827
Adams	2,780	2,795	2,760	3,109	3,589	7,634	5,974	2,939	1,009
Allegheny	48,624	40,890	33,135	33,727	35,368	81,825	60,719	27,698	11,545
Armstrong	1,766	1,741	1,840	2,064	2,244	5,432	4,091	1,918	677
Beaver	4,848	4,975	4,464	4,647	5,257	12,609	9,463	4,512	1,715
Bedford	1,248	1,243	1,272	1,544	1,717	3,808	2,916	1,638	564
Berks	13,058	12,233	11,736	12,813	13,781	28,658	19,996	9,372	3,776
Blair	3,617	3,536	3,460	3,692	3,905	8,636	6,761	3,307	1,176
Bradford	1,628	1,578	1,486	1,729	1,984	4,671	3,605	1,978	647
Bucks	17,952	18,724	18,044	19,938	22,348	49,288	32,896	15,413	5,831
Butler	5,662	5,799	5,507	6,086	6,802	14,395	10,045	4,707	1,676
Cambria	3,431	3,404	3,549	3,926	4,215	9,811	8,167	3,782	1,392
Cameron	107	98	103	135	151	377	379	154	61
Carbon	1,786	1,831	1,899	2,089	2,329	5,189	4,039	1,899	566
Centre	5,784	5,215	4,576	4,601	4,672	9,551	6,723	3,179	1,175
Chester	15,723	16,537	16,160	17,174	18,119	36,261	24,299	11,244	4,125
Clarion	1,143	980	929	1,103	1,222	2,726	2,145	1,051	377
Clearfield	2,695	2,722	2,589	3,032	3,095	6,133	4,502	2,259	774
Clinton	1,119	998	969	1,140	1,093	2,572	1,947	1,062	367
Columbia	1,754	1,683	1,640	1,938	2,079	4,372	3,474	1,616	618
Crawford	2,281	2,242	2,131	2,433	2,799	6,103	5,212	2,463	761
Cumberland	8,995	8,618	7,733	8,156	8,098	16,302	12,558	6,087	2,236
Dauphin	9,391	8,664	7,644	8,392	8,516	18,161	13,239	5,803	2,036
Delaware	18,295	17,674	16,040	16,183	17,408	37,262	24,596	11,078	4,787
Elk	811	795	692	977	1,191	2,606	1,832	961	307
Erie	8,889	8,117	7,265	7,820	8,375	18,639	13,848	6,243	2,358
Fayette	4,090	3,687	3,747	4,226	4,477	9,614	7,741	3,546	1,216
Forest	479	379	302	322	268	572	473	301	72
Franklin	4,561	4,495	4,278	5,015	5,106	10,413	8,042	4,384	1,490
Fulton	362	396	427	508	551	1,117	864	497	142
Greene	1,269	1,118	1,272	1,287	1,282	2,623	2,088	868	294
Huntingdon	1,754	1,584	1,511	1,704	1,655	3,305	2,717	1,399	438
Indiana	2,211	2,265	2,072	2,269	2,561	5,892	4,691	2,339	676
Jefferson	1,287	1,262	1,162	1,299	1,439	3,351	2,522	1,298	448
Juniata	713	695	700	771	840	1,798	1,427	727	260
Lackawanna	6,675	6,242	5,705	6,330	6,666	14,313	11,148	5,369	1,906
Lancaster	17,766	16,322	14,686	15,167	15,915	34,532	25,674	13,492	5,630
Lawrence	2,401	2,196	2,289	2,530	2,773	6,320	4,936	2,442	950
Lebanon	4,123	4,198	4,018	4,275	4,323	9,390	7,400	3,736	1,449
Lehigh	12,213	11,933	11,149	11,154	11,444	23,480	16,464	8,091	3,009
Luzerne	10,535	9,743	8,971	10,046	10,908	22,051	16,731	8,124	2,844
Lycoming	3,791	3,330	2,898	3,147	3,528	8,005	6,140	2,780	1,116
McKean	1,415	1,284	1,186	1,356	1,419	3,003	2,226	1,096	390
Mercer	2,902	2,941	2,950	3,317	3,670	8,181	6,302	3,179	1,201
Mifflin	1,267	1,218	1,149	1,367	1,534	3,188	2,495	1,544	465
Monroe	4,916	4,434	4,449	5,031	6,346	13,687	9,261	3,967	1,141
Montgomery	27,238	27,610	24,968	26,099	27,427	56,380	38,720	18,662	7,870
Montour	711	578	447	502	557	1,298	922	508	172
Northampton	9,455	9,152	8,382	9,399	10,175	21,232	15,584	7,598	3,088
Northumberland	2,973	2,819	2,671	2,880	3,134	6,731	5,251	2,581	935
Perry	1,395	1,409	1,317	1,528	1,701	3,515	2,805	1,114	280
Philadelphia	71,542	53,760	42,488	41,296	42,159	83,909	55,204	24,559	9,421
Pike	1,463	1,452	1,500	1,683	2,161	4,922	3,765	2,055	526
Potter	401	427	418	454	555	1,323	1,129	605	168
Schuylkill	4,706	4,619	4,398	5,090	5,317	10,493	8,024	3,798	1,275
Snyder	1,152	1,104	1,037	1,238	1,332	2,784	2,052	1,109	365
Somerset	2,428	2,429	2,418	2,655	2,721	5,824	4,702	2,201	846
Sullivan	153	143	163	184	204	621	508	272	78
Susquehanna	973	1,081	983	1,219	1,351	3,660	2,758	1,514	377
Tioga	1,181	1,092	1,041	1,165	1,297	3,059	2,535	1,402	463
Union	2,115	1,983	1,772	1,612	1,511	2,778	2,082	1,206	442
Venango	1,311	1,316	1,436	1,504	1,700	4,289	3,328	1,486	495
Warren	1,000	1,076	1,014	1,132	1,404	3,276	2,493	1,342	481
Washington	6,161	6,090	5,910	6,456	6,920	15,486	12,020	5,548	1,894
Wayne	1,818	1,660	1,617	1,844	1,873	4,401	3,727	1,872	477
Westmoreland	9,344	9,797	9,349	10,785	12,233	27,663	21,689	10,551	3,729
Wyoming	751	745	699	865	828	2,105	1,734	869	208
York	14,138	13,922	13,001	14,470	15,229	31,214	22,161	10,721	3,544

Source: 2019 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, 2019

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	6,527,628	65,171	275,664	354,852	365,908	224,046	170,746	393,213	420,562
Adams	52,321	450	2,067	2,707	2,935	1,903	1,443	3,261	2,785
Allegheny	627,610	6,229	24,941	30,669	30,285	19,628	14,822	37,121	45,851
Armstrong	32,507	299	1,230	1,645	1,768	1,070	581	1,513	1,707
Beaver	84,293	769	3,310	4,245	4,389	2,675	1,592	4,184	4,803
Bedford	24,081	222	897	1,210	1,284	862	426	1,122	1,275
Berks	213,823	2,248	9,510	12,481	13,155	8,434	6,105	13,399	12,947
Blair	62,148	532	2,519	3,288	3,476	2,105	1,428	3,035	3,774
Bradford	30,378	306	1,315	1,888	1,878	1,058	577	1,502	1,693
Bucks	320,034	2,724	12,085	16,557	18,685	11,732	6,671	17,393	16,943
Butler	94,712	801	3,747	4,984	5,199	3,417	2,609	5,156	4,811
Cambria	66,045	573	2,516	3,267	3,534	2,159	1,854	3,865	3,310
Cameron	2,224	17	87	115	96	49	49	102	98
Carbon	32,227	262	1,229	1,602	1,864	1,118	574	1,499	1,695
Centre	76,990	541	2,396	3,163	3,319	2,103	5,753	11,613	5,055
Chester	266,483	2,616	11,620	15,800	17,287	10,801	7,560	16,027	14,375
Clarion	19,581	175	728	954	995	708	828	1,710	1,131
Clearfield	37,465	359	1,368	1,860	2,040	1,213	696	1,829	2,097
Clinton	19,676	211	770	1,017	1,108	619	943	2,130	1,079
Columbia	33,692	270	1,127	1,539	1,670	869	1,900	3,585	1,730
Crawford	43,186	436	1,894	2,189	2,379	1,546	1,250	2,526	2,461
Cumberland	127,907	1,265	5,393	7,010	7,143	4,190	4,134	7,835	7,638
Dauphin	143,394	1,621	6,676	8,507	8,637	4,910	3,110	8,053	10,285
Delaware	293,924	3,147	13,157	17,213	16,968	10,822	8,067	18,713	18,607
Elk	14,884	134	587	773	783	529	274	739	733
Erie	136,398	1,357	5,983	7,553	8,070	4,718	4,332	8,466	8,619
Fayette	65,103	608	2,555	3,338	3,349	2,122	1,265	3,340	3,727
Forest	2,254	14	43	73	97	50	44	81	78
Franklin	78,786	815	3,673	4,497	4,738	2,876	1,667	4,129	4,621
Fulton	7,217	64	284	374	417	261	152	372	380
Greene	17,345	153	779	969	916	611	512	1,034	989
Huntingdon	21,061	198	792	1,035	1,188	739	697	1,292	1,094
Indiana	42,012	399	1,445	1,988	2,113	1,189	2,364	4,486	2,189
Jefferson	21,815	216	967	1,253	1,273	776	493	1,072	1,231
Juniata	12,320	141	559	715	785	481	275	638	694
Lackawanna	107,790	986	4,355	5,892	5,939	3,707	2,794	6,267	6,337
Lancaster	278,315	3,286	14,037	16,970	17,531	10,432	7,236	16,731	18,123
Lawrence	44,114	401	1,870	2,283	2,406	1,460	1,045	2,326	2,384
Lebanon	72,060	747	3,317	4,526	4,453	2,579	1,746	4,169	4,104
Lehigh	188,175	2,085	8,514	11,058	11,264	7,189	4,938	11,775	12,226
Luzerne	160,265	1,602	6,659	8,455	8,577	5,538	3,813	9,175	9,676
Lycoming	57,803	591	2,315	3,202	3,270	1,977	1,436	3,362	3,627
McKean	19,771	185	779	1,017	1,158	732	518	1,167	1,060
Mercer	55,316	529	2,051	2,596	2,979	1,937	1,448	3,480	2,841
Mifflin	23,610	267	1,177	1,424	1,445	841	408	1,152	1,338
Monroe	85,781	720	3,150	4,068	4,860	3,476	2,752	5,879	4,768
Montgomery	426,915	4,049	18,152	24,234	25,348	15,291	10,071	23,428	24,321
Montour	9,396	104	395	506	449	275	166	425	560
Northampton	155,055	1,409	5,696	7,794	8,888	5,620	4,518	9,426	8,910
Northumberland	45,181	445	1,831	2,330	2,480	1,394	885	2,165	2,592
Perry	22,881	260	1,059	1,342	1,269	763	405	1,093	1,378
Philadelphia	834,525	9,934	40,025	48,486	44,283	24,855	22,770	55,419	81,580
Pike	27,495	189	882	1,084	1,471	981	576	1,432	1,262
Potter	8,282	64	348	465	464	293	153	360	430
Schuylkill	68,927	601	2,735	3,605	4,027	2,439	1,245	3,356	3,761
Snyder	20,346	221	850	1,009	1,144	765	891	1,455	1,112
Somerset	35,036	317	1,325	1,732	1,847	1,198	615	1,585	1,741
Sullivan	2,896	24	59	78	85	51	38	112	133
Susquehanna	20,083	199	722	999	1,127	649	351	896	980
Tioga	20,444	191	795	1,047	1,110	629	668	1,155	1,135
Union	20,387	184	831	1,014	1,088	747	1,137	1,676	979
Venango	25,589	230	936	1,286	1,382	771	544	1,122	1,262
Warren	19,574	216	817	981	1,048	584	400	910	994
Washington	105,095	940	4,083	5,439	5,637	3,534	2,493	5,747	5,616
Wayne	24,081	213	802	1,111	1,141	767	451	1,144	1,131
Westmoreland	178,120	1,376	6,230	8,562	9,213	5,548	3,612	8,946	9,196
Wyoming	13,345	121	542	668	724	446	319	726	712
York	227,079	2,313	10,076	13,111	13,978	8,235	5,257	12,330	13,788

Source: 2019 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, 2019

	Age of Female (In Years)								
County	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 64	65 - 74	75 - 84	85+
Pennsylvania	417,238	394,437	362,651	389,967	421,650	930,064	718,132	404,042	219,285
Adams	2,743	2,745	2,627	3,210	3,682	7,955	6,579	3,518	1,711
Allegheny	46,638	39,483	33,419	34,620	38,029	90,558	71,465	40,366	23,486
Armstrong	1,623	1,764	1,827	1,991	2,259	5,287	4,166	2,545	1,232
Beaver	4,772	4,856	4,416	4,800	5,539	13,535	10,684	6,315	3,409
Bedford	1,146	1,228	1,282	1,589	1,629	3,806	3,090	2,050	963
Berks	12,929	12,742	11,859	13,205	14,435	29,399	21,899	12,170	6,906
Blair	3,547	3,538	3,508	3,687	3,941	9,079	7,646	4,560	2,485
Bradford	1,606	1,596	1,520	1,752	2,013	4,691	3,767	2,249	967
Bucks	17,533	19,298	18,231	20,717	23,571	51,245	36,120	19,827	10,702
Butler	5,446	5,666	5,371	5,951	6,899	14,614	10,835	5,962	3,244
Cambria	3,264	3,296	3,535	3,839	4,143	9,989	8,794	5,110	2,997
Cameron	81	107	96	111	150	412	332	201	121
Carbon	1,726	1,804	1,762	2,085	2,374	5,193	4,114	2,269	1,057
Centre	4,586	3,997	3,789	4,030	4,309	9,279	7,106	3,977	1,974
Chester	15,348	16,524	16,063	17,366	18,630	37,783	27,187	14,310	7,186
Clarion	1,046	970	971	1,154	1,228	2,760	2,229	1,382	612
Clearfield	1,906	1,990	2,132	2,438	2,635	5,823	4,723	2,890	1,466
Clinton	867	1,013	992	1,134	1,113	2,654	2,129	1,302	595
Columbia	1,673	1,729	1,616	1,904	2,025	4,731	3,939	2,256	1,129
Crawford	2,312	2,354	2,264	2,752	2,816	6,480	5,394	2,894	1,239
Cumberland	8,177	7,935	7,266	7,746	7,963	17,343	14,386	8,237	4,246
Dauphin	9,332	9,069	8,137	8,567	8,961	20,187	15,361	7,841	4,140
Delaware	19,325	18,870	17,017	17,160	18,725	41,600	28,995	15,905	9,633
Elk	657	749	767	936	1,157	2,429	1,859	1,153	625
Erie	8,495	7,956	7,270	7,957	8,473	19,348	15,195	8,139	4,467
Fayette	3,425	3,474	3,599	4,148	4,483	10,116	8,329	4,683	2,542
Forest	83	80	85	132	156	433	448	290	67
Franklin	4,576	4,645	4,465	4,928	5,045	10,858	9,096	5,416	2,741
Fulton	388	387	406	481	501	1,055	915	604	176
Greene	906	907	990	1,131	1,106	2,578	2,164	1,046	554
Huntingdon	1,088	1,055	1,093	1,224	1,367	3,114	2,739	1,637	709
Indiana	1,914	2,159	1,925	2,252	2,515	5,958	4,864	2,811	1,441
Jefferson	1,138	1,214	1,139	1,268	1,421	3,279	2,602	1,661	812
Juniata	670	648	678	746	789	1,802	1,407	882	410
Lackawanna	6,640	6,225	5,866	6,394	6,910	15,279	12,403	7,330	4,466
Lancaster	17,965	16,451	15,107	15,528	16,422	36,911	28,880	16,991	9,714
Lawrence	2,191	2,389	2,311	2,588	2,760	6,759	5,662	3,383	1,896
Lebanon	4,188	4,207	4,072	4,224	4,378	9,762	8,061	4,896	2,631
Lehigh	12,004	12,024	11,062	11,446	11,942	25,028	18,868	10,784	5,968
Luzerne	9,301	9,114	8,747	9,954	10,712	22,664	18,709	10,978	6,591
Lycoming	3,593	3,472	3,056	3,461	3,653	8,363	6,574	3,779	2,072
McKean	1,038	983	1,094	1,265	1,262	3,078	2,319	1,397	719
Mercer	2,752	2,871	2,833	3,246	3,626	8,486	6,958	4,247	2,436
Mifflin	1,214	1,237	1,177	1,433	1,547	3,273	2,936	1,807	934
Monroe	4,558	4,580	4,986	5,665	6,530	13,811	9,384	4,765	1,829
Montgomery	26,906	27,373	25,499	26,635	28,829	61,057	44,822	25,549	15,351
Montour	624	540	504	533	578	1,416	1,086	745	490
Northampton	9,171	9,021	8,872	9,609	10,495	22,271	17,553	9,780	6,022
Northumberland	2,516	2,601	2,379	2,716	2,928	6,880	5,757	3,404	1,878
Perry	1,358	1,364	1,329	1,488	1,602	3,564	2,673	1,350	584
Philadelphia	76,014	58,059	47,359	45,965	47,475	99,807	73,089	38,785	20,620
Pike	1,209	1,344	1,483	1,823	2,211	4,783	3,857	2,164	744
Potter	372	426	426	452	549	1,339	1,173	606	362
Schuylkill	3,712	3,882	3,773	4,416	4,860	10,290	8,529	4,941	2,755
Snyder	1,118	1,033	1,101	1,201	1,317	2,772	2,252	1,410	695
Somerset	1,700	1,865	1,851	2,227	2,303	5,603	4,706	2,847	1,574
Sullivan	140	150	146	147	181	649	479	283	141
Susquehanna	977	1,023	998	1,194	1,364	3,458	2,804	1,620	722
Tioga	1,101	1,145	1,020	1,196	1,328	3,169	2,540	1,593	622
Union	1,139	1,052	1,058	1,091	1,181	2,599	2,256	1,486	869
Venango	1,317	1,390	1,315	1,508	1,705	4,429	3,447	1,913	1,032
Warren	981	1,029	964	1,195	1,333	3,222	2,630	1,548	722
Washington	5,793	6,001	5,832	6,398	7,217	16,286	13,007	7,316	3,756
Wayne	1,167	1,244	1,183	1,386	1,708	4,086	3,774	1,939	834
Westmoreland	9,002	9,548	9,236	10,975	12,516	28,866	24,147	13,804	7,343
Wyoming	689	715	727	856	897	2,152	1,755	910	386
York	13,822	14,231	13,168	14,741	15,249	32,579	24,484	13,234	6,483

Source: 2019 estimated population as prepared by the State Data Center of the Pennsylvania State University at Harrisburg.

Table A-6

Population for Selected Municipalities: Pennsylvania, 2010 and 2019

Municipality	2019 Estimated Population	2010 Enumerated Population	Percent Change 2010-2019
Allentown	121,442	118,032	2.9
Altoona	43,364	46,320	-6.4
Bethel Park	32,345	32,313	0.1
Bethlehem	75,815	74,982	1.1
Chambersburg	21,143	20,268	4.3
Chester	34,000	33,972	0.1
Easton	27,189	26,800	1.5
Erie	95,508	101,786	-6.2
Harrisburg	49,271	49,528	-0.5
Hazleton	24,794	25,340	-2.2
Johnstown	19,195	20,978	-8.5
Lancaster	59,265	59,322	-0.1
Lebanon	25,879	25,477	1.6
Monroeville	27,380	28,386	-3.5
Murrysville	19,590	20,079	-2.4
New Castle	21,618	23,273	-7.1
Norristown	34,341	34,324	0.0
Philadelphia	1,584,064	1,526,006	3.8
Pittsburgh	300,286	305,704	-1.8
Plum	27,087	27,126	-0.1
Pottstown	22,600	22,377	1.0
Reading	88,375	88,082	0.3
Scranton	76,653	76,089	0.7
State College	42,160	42,034	0.3
West Mifflin	19,699	20,313	-3.0
Wilkes-Barre	40,766	41,498	-1.8
Williamsport	28,186	29,381	-4.1
York	43,932	43,718	0.5

Source: 2010 population enumerated by the U.S. Bureau of the Census. 2019 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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Resident Live Births: Pennsylvania, 1915-2019

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

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, 1960-2019

	Live Birth Rate*		General Fertility Rate*		Total Fertility Rate*	
Year	Pennsylvania	United States	Pennsylvania	United States	Pennsylvania	United States
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, 1950-2019

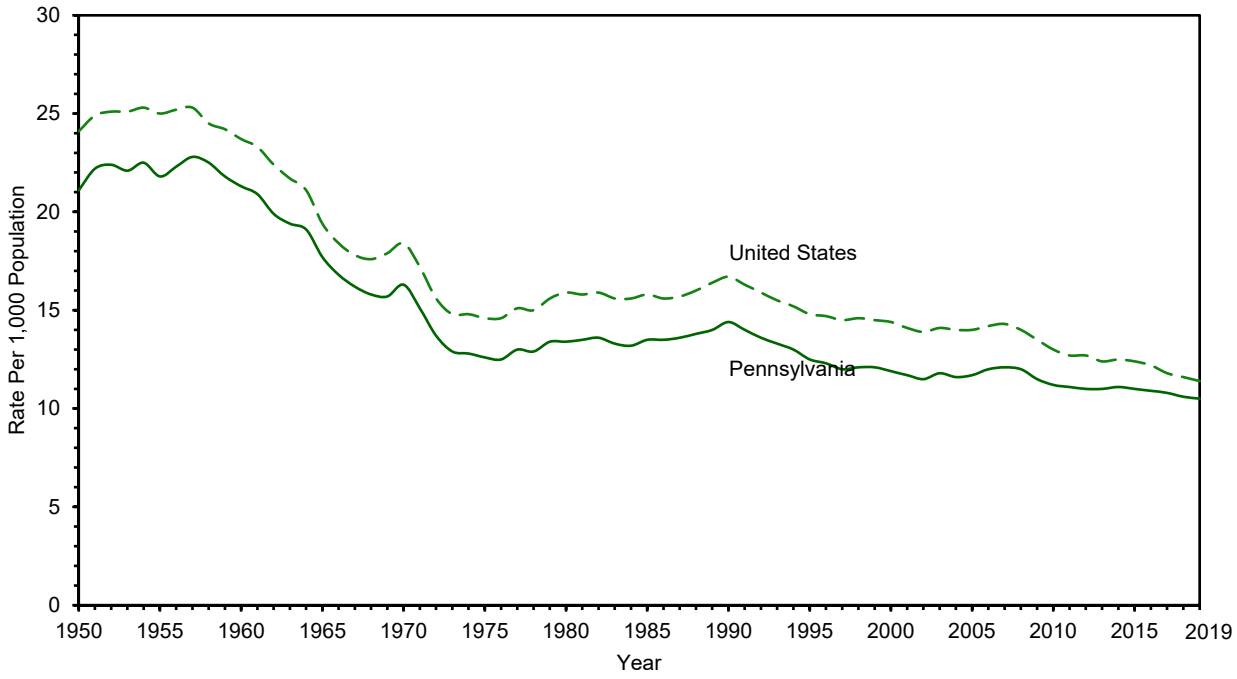


Figure B-2
General Fertility Rates
Pennsylvania and United States, 1950-2019

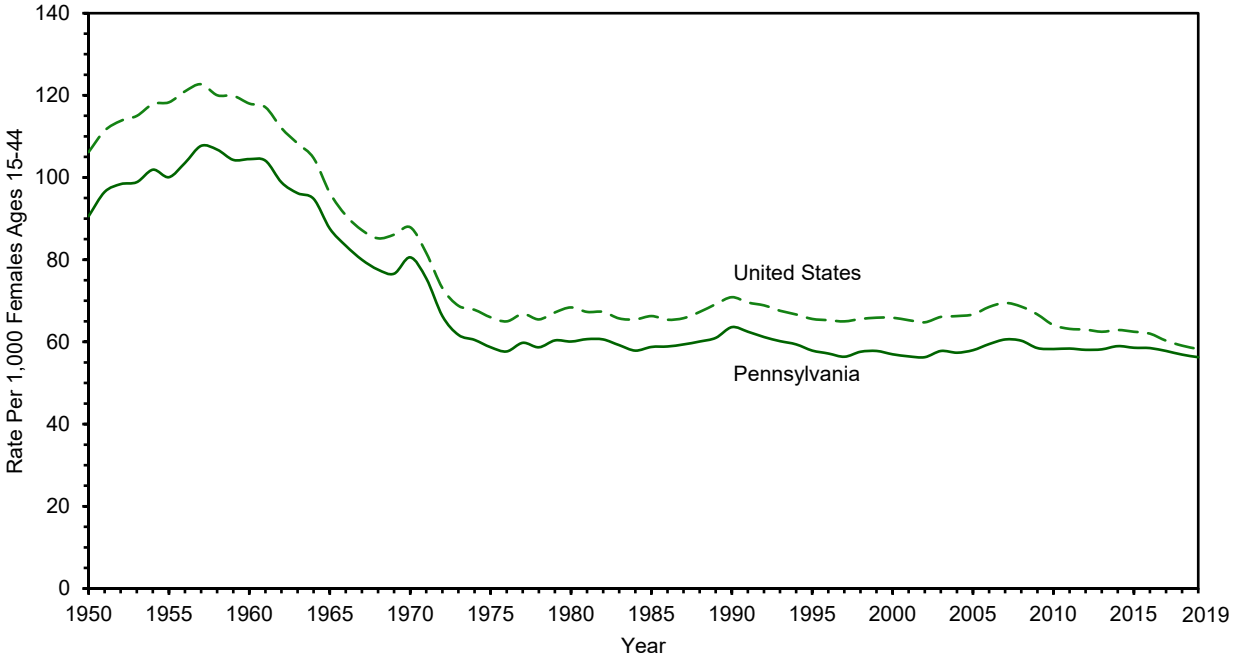


Table B-3

Resident Live Births by Age of Mother, Number and Rate*

Pennsylvania, 2019, 2010, 2000, 1990 and 1980

Age of Mother	2019 Number	2019 Rate	2010 Number	2010 Rate	2000 Number	2000 Rate	1990 Number	1990 Rate	1980 Number	1980 Rate
All Ages	134,247	56.3	142,370	58.3	145,874	57.0	171,053	63.6	158,670	60.1
Under 15	59	0.2	153	0.4	293	0.7	437	1.2	324	0.7
15 - 19	5,252	13.3	11,929	27.0	14,146	33.9	18,139	45.1	21,683	40.5
20 - 24	23,021	58.5	31,821	73.6	31,492	84.4	40,880	94.5	52,371	97.5
25 - 29	38,927	92.6	40,782	104.8	39,586	108.0	55,132	118.5	52,077	109.3
30 - 34	42,330	101.5	36,962	101.3	38,444	92.1	40,659	80.8	25,306	58.6
35 - 39	20,480	51.9	16,672	43.4	18,303	37.9	13,856	29.7	5,958	17.0
40 - 44	3,839	10.6	3,694	8.6	3,460	6.9	1,888	4.5	898	2.9
45 & Over	324	0.8	272	0.6	150	0.3	62	0.2	53	0.2
Unknown	15	-	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.

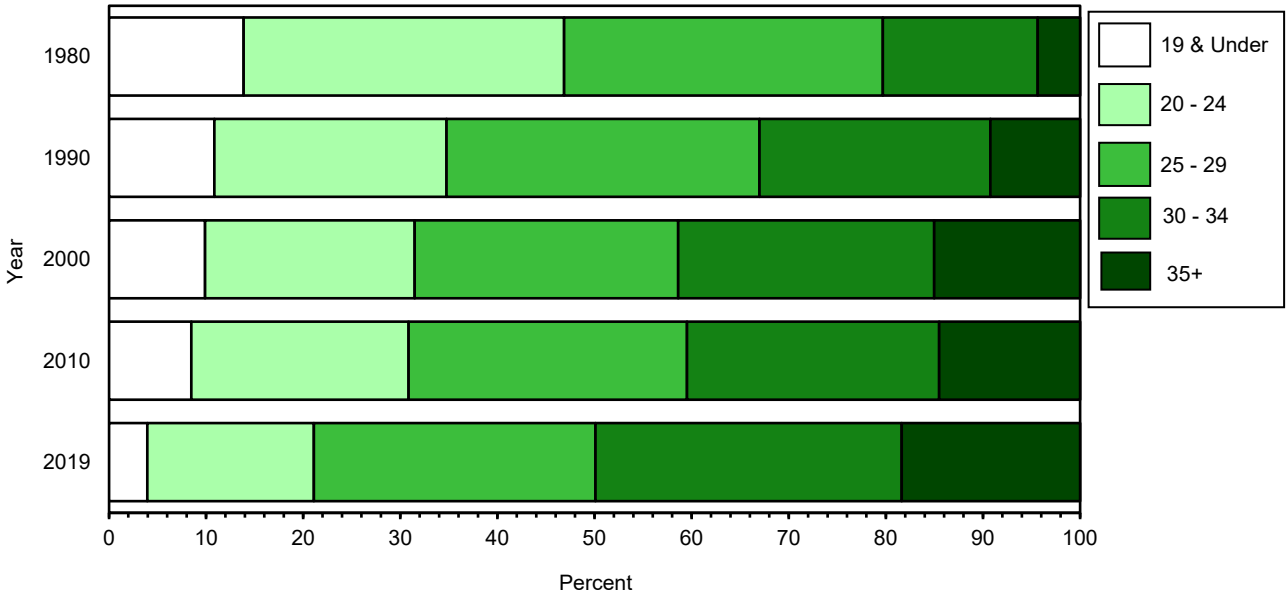
** Births with unknown mother's age are included in the 25-29 year age group for 1990 and 2000, and in the 20-24 year age group for 1980.

Note: Unknowns excluded from calculations for 2010 and 2019.

Figure B-3

Resident Live Births, Percent by Age of Mother

Pennsylvania, 1980, 1990, 2000, 2010 and 2019



Note: Unknowns excluded from calculations for 2010 and 2019.

Table B-4A
Resident Live Births by Age, Race and Hispanic Origin of Mother
Pennsylvania, 2019

Age of Mother (In Years)	Race					Hispanic Origin
	All Races	White	Black	Asian/ Pacific Islander	Multi-Race	
All Ages	134,247	93,118	18,911	6,272	4,469	16,674
Under 15	59	23	15	0	11	22
15 - 19	5,252	2,565	1,283	57	445	1,488
20 - 24	23,021	14,021	4,483	437	1,259	4,475
25 - 29	38,927	26,754	6,012	1,594	1,195	4,893
30 - 34	42,330	31,785	4,368	2,628	948	3,584
35 - 39	20,480	15,119	2,176	1,297	520	1,758
40 - 44	3,839	2,625	532	239	82	414
45 & Over	324	217	41	19	9	40
Unknown	15	9	1	1	0	0

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

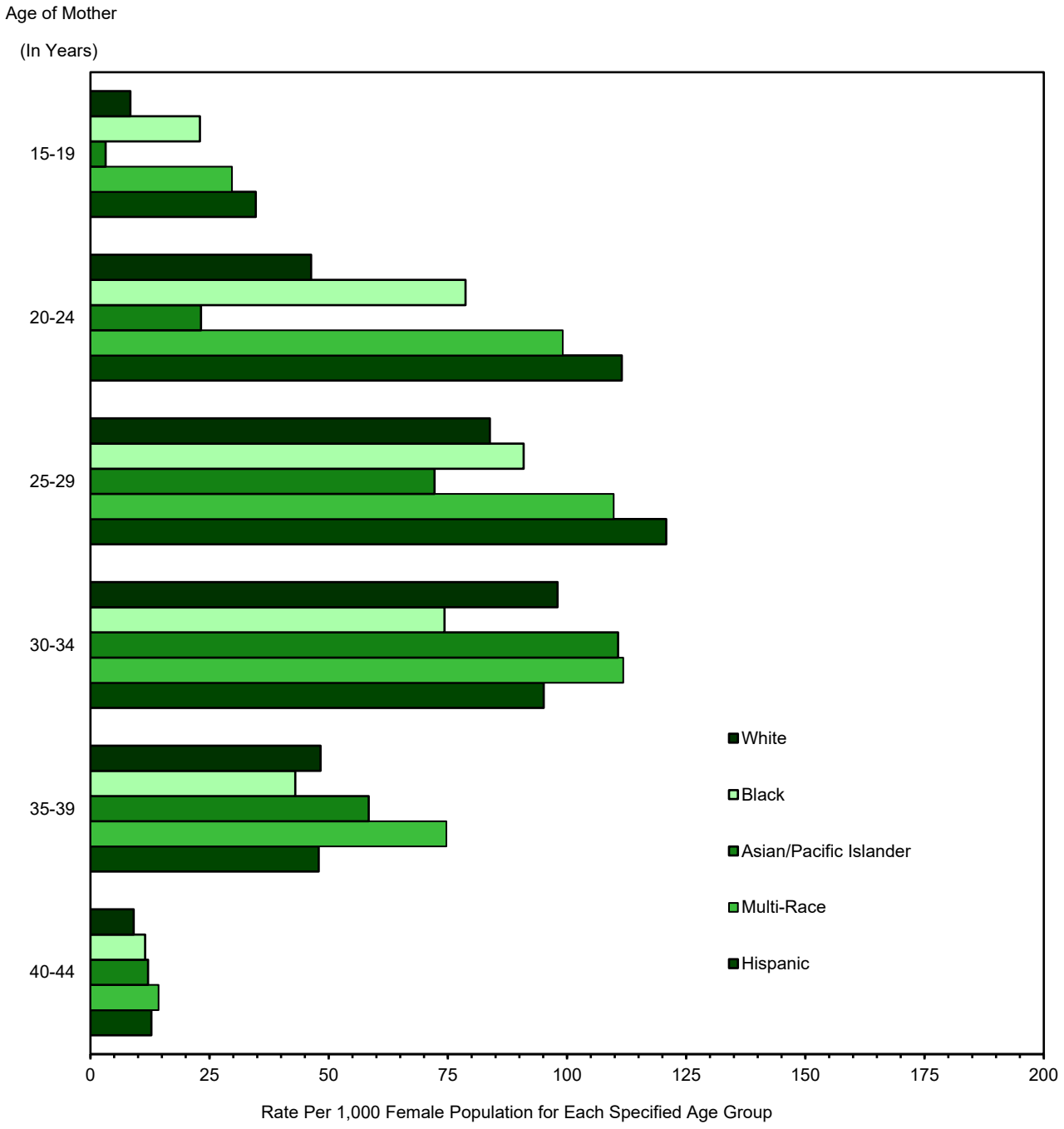
Table B-4B
Resident Live Birth Rate* by Age, Race and Hispanic Origin of Mother
Pennsylvania, 2019

Age of Mother (In Years)	Race					Hispanic Origin
	All Races	White	Black	Asian/ Pacific Islander	Multi-Race	
All Ages	56.3	50.2	56.5	50.4	74.8	72.4
Under 15	0.2	0.1	0.3	ND	0.6	0.5
15 - 19	13.3	8.4	23.0	3.2	29.7	34.7
20 - 24	58.5	46.3	78.7	23.2	99.1	111.5
25 - 29	92.6	83.8	90.9	72.2	109.8	120.8
30 - 34	101.5	98.0	74.3	110.7	111.8	95.1
35 - 39	51.9	48.3	43.0	58.4	74.7	47.9
40 - 44	10.6	9.1	11.5	12.1	14.3	12.8
45 & Over	0.8	0.7	0.9	1.0	ND	1.4

* Rate per 1,000 female population for each specified group, 2019. 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, 2019



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, 2019

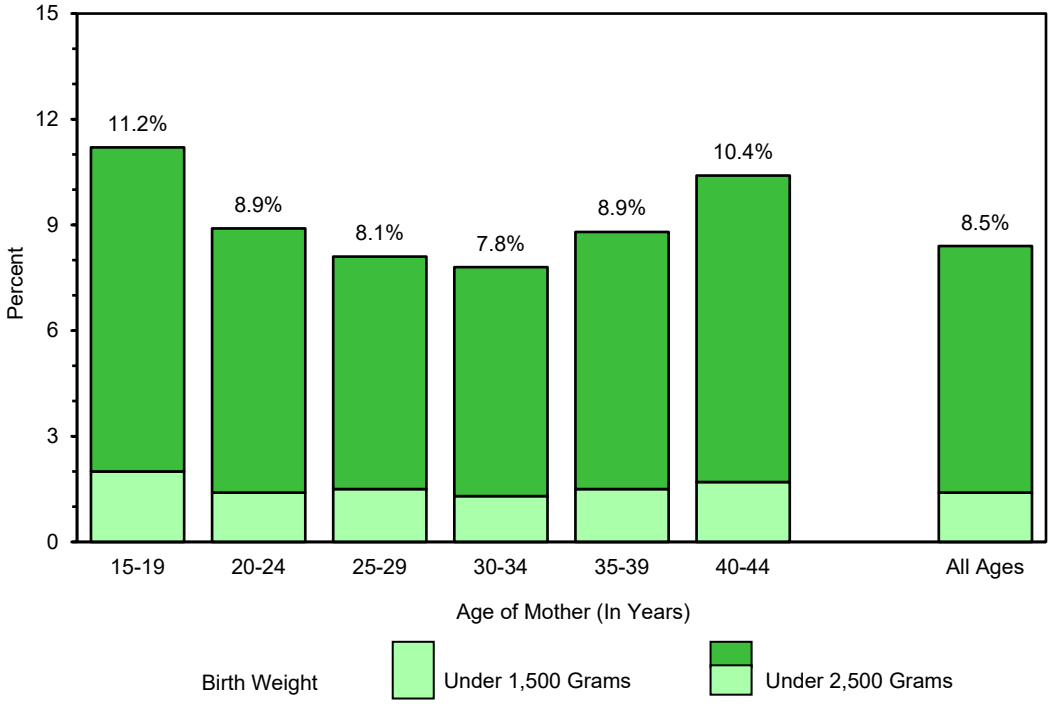
Age of Mother (In Years)	Total Births	Birth Weight: < 1,500 Grams		1,500 - 2,499 Grams		2,500 - 3,999 Grams		4,000 Grams and Over		Unknown Weight
		Number	%	Number	%	Number	%	Number	%	Number
All Ages	134,247	1,931	1.4	9,380	7.0	111,433	83.4	10,884	8.1	619
Under 15	59	1	ND	4	ND	54	91.5	0	ND	0
15 - 19	5,252	104	2.0	482	9.2	4,411	84.2	241	4.6	14
20 - 24	23,021	314	1.4	1,718	7.5	19,511	85.0	1,399	6.1	79
25 - 29	38,927	566	1.5	2,566	6.6	32,504	83.9	3,121	8.1	170
30 - 34	42,330	558	1.3	2,745	6.5	35,011	83.2	3,791	9.0	225
35 - 39	20,480	314	1.5	1,493	7.3	16,576	81.4	1,992	9.8	105
40 - 44	3,839	65	1.7	330	8.7	3,107	81.4	313	8.2	24
45 & Over	324	9	ND	40	12.4	247	76.7	26	8.1	2
Unknown	15	0	ND	2	ND	12	80.0	1	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). See Technical Notes.

Figure B-5

Resident Live Births, Percent with Very Low and Low Birth Weight by Age of Mother, Pennsylvania, 2019



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.

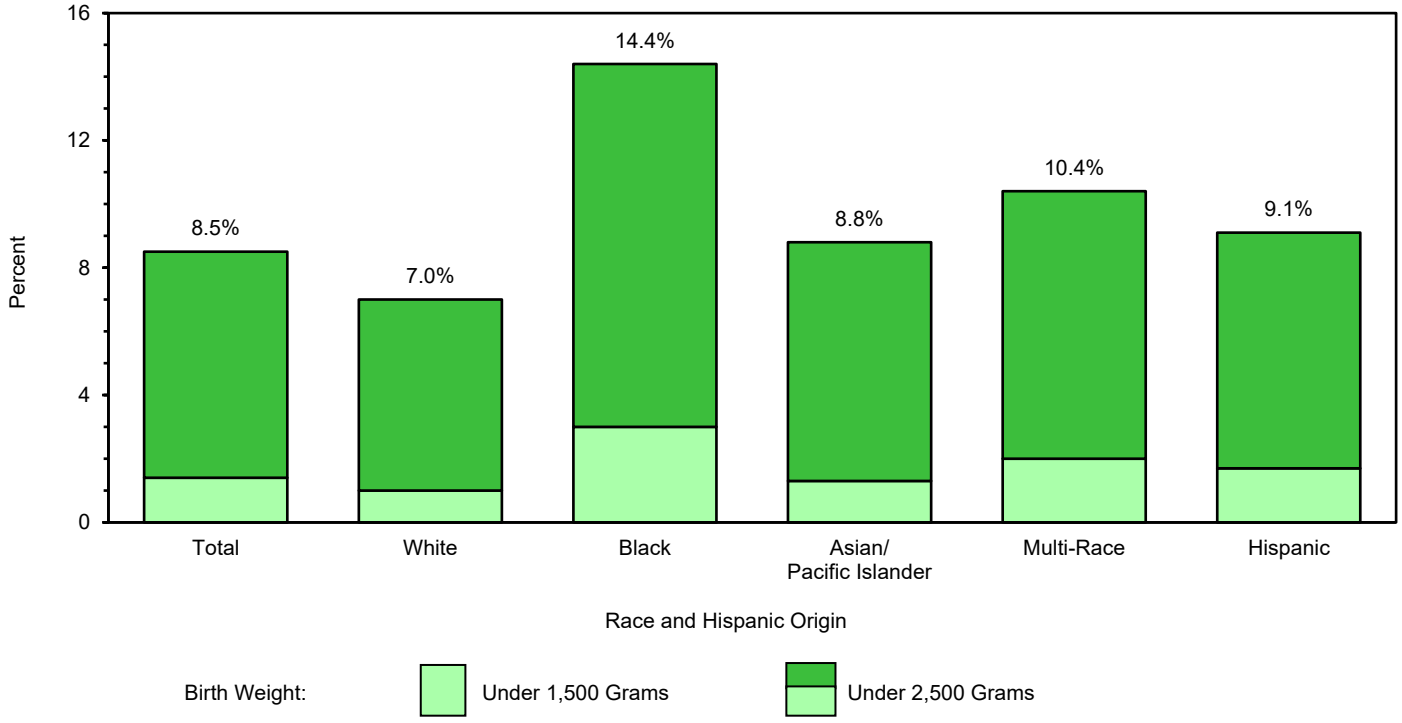
Table B-6
Resident Live Births by Birth Weight, Race and Hispanic Origin of Mother
Number and Percent*: Pennsylvania, 2019

Birth Weight (In Grams)	Total Births		Race								Hispanic Origin	
			White		Black		Asian/ Pacific Islander		Multi-Race			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Total	134,247		93,118		18,911		6,272		4,469		16,674	
Very Low Birth Weight **(Under 1,500 Grams)**	1,931	1.4	964	1.0	573	3.0	80	1.3	89	2.0	275	1.7
Low Birth Weight **(Under 2,500 Grams)**	11,311	8.5	6,489	7.0	2,707	14.4	548	8.8	464	10.4	1,508	9.1
2500+ Grams	122,317	91.5	86,213	93.0	16,091	85.6	5,689	91.2	4,000	89.6	15,149	90.9
Unknown	619		416		113		35		5		17	

* 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, 2019



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, 2019

Age of Mother (In Years)	Total Births	Underweight		Normal Weight		Overweight		Obese		Unknown
		Number	%	Number	%	Number	%	Number	%	Number
All Ages	134,247	3,871	3.1	53,594	43.5	31,556	25.6	34,222	27.8	11,004
Under 15	59	5	ND	37	66.1	11	19.6	3	ND	3
15-19	5,252	379	7.7	2,472	50.5	1,084	22.1	961	19.6	356
20-24	23,021	1,071	5.0	9,110	42.5	5,166	24.1	6,084	28.4	1,590
25-29	38,927	1,088	3.0	14,938	41.6	9,151	25.5	10,695	29.8	3,055
30-34	42,330	916	2.4	17,376	45.1	10,049	26.1	10,217	26.5	3,772
35-39	20,480	362	1.9	8,113	43.5	5,070	27.2	5,107	27.4	1,828
40-44	3,839	50	1.4	1,424	41.0	942	27.1	1,061	30.5	362
45 & Over	324	0	ND	120	41.4	78	26.9	92	31.7	34
Unknown	15	0	ND	4	ND	5	ND	2	ND	4

* 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, 2019

Race and Hispanic Origin of Mother	Total Births	Underweight		Normal Weight		Overweight		Obese		Unknown
		Number	%	Number	%	Number	%	Number	%	Number
All Races	134,247	3,871	3.1	53,594	43.5	31,556	25.6	34,222	27.8	11,004
White	93,118	2,506	2.9	39,281	45.7	21,575	25.1	22,601	26.3	7,155
Black	18,911	501	3.0	5,345	31.7	4,456	26.4	6,570	38.9	2,039
Asian/ Pacific Islander	6,272	344	6.3	3,243	59.0	1,294	23.5	617	11.2	774
Multi-Race	4,469	151	3.5	1,689	39.1	1,088	25.2	1,391	32.2	150
Hispanic Origin	16,674	520	3.3	5,972	37.5	4,547	28.5	4,905	30.8	730

* 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, 2019

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	134,247	119,294	30.0	3,749	34.0	51,957	33.4	30,578	31.2	33,010	23.3	14,953
Under 15	59	54	30.0	5	ND	35	31.7	11	23.0	3	ND	5
15-19	5,252	4,748	31.4	366	36.2	2,398	33.3	1,049	31.3	935	25.0	504
20-24	23,021	20,775	30.1	1,038	35.0	8,851	33.6	5,012	31.2	5,874	23.1	2,246
25-29	38,927	34,716	29.7	1,055	33.5	14,458	33.5	8,876	31.0	10,327	22.7	4,211
30-34	42,330	37,330	30.2	886	33.1	16,875	33.2	9,730	31.6	9,839	23.5	5,000
35-39	20,480	18,029	30.2	351	32.5	7,850	33.3	4,911	31.4	4,917	24.0	2,451
40-44	3,839	3,353	28.6	48	34.2	1,372	32.9	910	29.1	1,023	22.2	486
45 & Over	324	278	29.6	0	ND	114	31.9	74	30.5	90	25.7	46
Unknown	15	11	36.5	0	ND	4	ND	5	ND	2	ND	4

* 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, 2019

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	134,247	119,294	30.0	3,749	34.0	51,957	33.4	30,578	31.2	33,010	23.3	14,953
White	93,118	83,762	31.0	2,450	34.2	38,267	33.9	21,062	32.5	21,983	23.9	9,356
Black	18,911	15,750	27.6	464	34.6	5,000	32.8	4,165	28.9	6,121	21.8	3,161
Asian/ Pacific Islander	6,272	5,311	27.3	331	30.0	3,136	29.7	1,244	24.2	600	19.8	961
Multi-Race	4,469	4,173	29.9	145	37.0	1,638	33.4	1,050	31.8	1,340	23.3	296
Hispanic Origin	16,674	15,584	28.4	505	35.0	5,830	32.1	4,445	29.3	4,804	22.2	1,090

* 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, 2019

Age of Mother (In Years)	Total Births	Trimester in Pregnancy: 1st Trimester Number	1st Trimester %	2nd Trimester Number	2nd Trimester %	3rd Trimester Number	3rd Trimester %	Unknown Number	No Prenatal Visits Number	No Prenatal Visits %
All Ages	134,247	96,430	74.2	23,961	18.4	6,950	5.3	4,235	2,671	2.1
Under 15	59	22	37.9	20	34.5	13	22.4	1	3	ND
15 - 19	5,252	3,024	59.8	1,419	28.0	417	8.2	192	200	4.0
20 - 24	23,021	14,623	65.9	5,463	24.6	1,560	7.0	826	549	2.5
25 - 29	38,927	27,904	74.0	7,009	18.6	2,018	5.4	1,235	761	2.0
30 - 34	42,330	32,531	79.2	6,156	15.0	1,721	4.2	1,246	676	1.6
35 - 39	20,480	15,469	77.8	3,114	15.7	937	4.7	597	363	1.8
40 - 44	3,839	2,646	71.3	706	19.0	255	6.9	126	106	2.9
45 & Over	324	201	64.2	73	23.3	27	8.6	11	12	3.8
Unknown	15	10	71.4	1	ND	2	ND	1	1	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

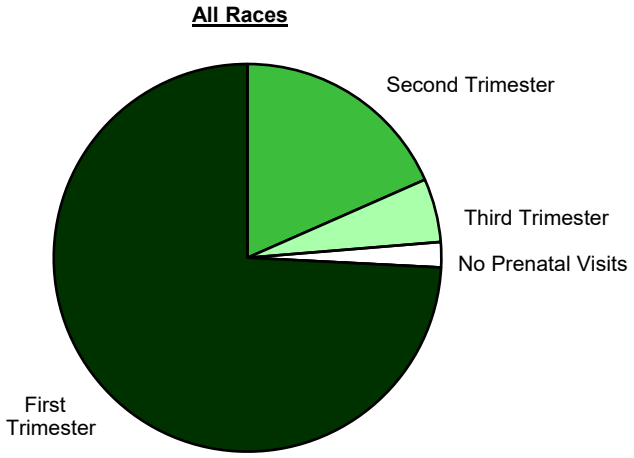
Resident Live Births by Race and Hispanic Origin of Mother and Trimester of First Prenatal Visit, Number and Percent*: Pennsylvania, 2019

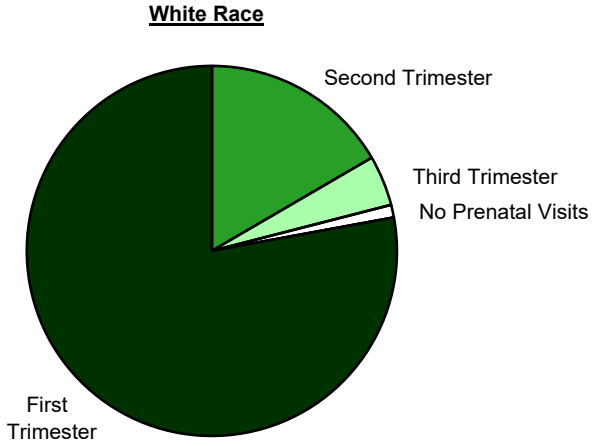
Race and Hispanic Origin of Mother	Total Births	Trimester in Pregnancy: 1st Trimester Number	1st Trimester %	2nd Trimester Number	2nd Trimester %	3rd Trimester Number	3rd Trimester %	Unknown Number	No Prenatal Visits Number	No Prenatal Visits %
All Races	134,247	96,430	74.2	23,961	18.4	6,950	5.3	4,235	2,671	2.1
White	93,118	70,710	77.9	15,094	16.6	3,955	4.4	2,339	1,020	1.1
Black	18,911	11,495	64.2	4,129	23.1	1,387	7.7	1,010	890	5.0
Asian/ Pacific Islander	6,272	4,464	74.0	1,026	17.0	409	6.8	243	130	2.2
Multi-Race	4,469	2,883	66.6	1,004	23.2	336	7.8	139	107	2.5
Hispanic Origin	16,674	10,522	65.4	3,826	23.8	1,151	7.2	586	589	3.7

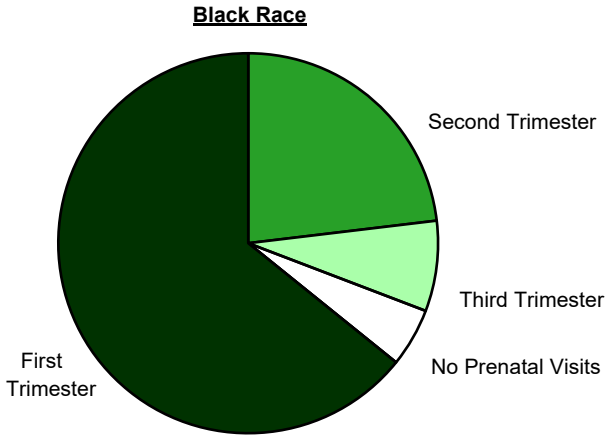
* Percent of total live births for each specified group. Unknowns excluded from calculations.

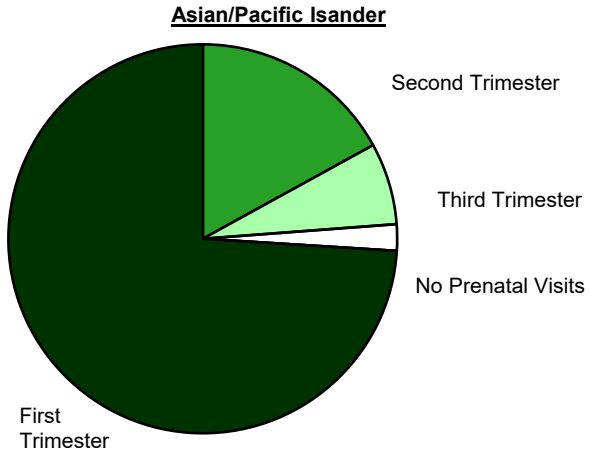
Notes: Hispanic origin can be of any race.
Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND). See Technical Notes.
Starting with 2003, the collection process for prenatal care data has changed. Please refer to Section F of the Technical Notes for further explanation.
Starting with 2013, the categorization for race data has changed. Please refer to Section J of the Technical Notes for further explanation.

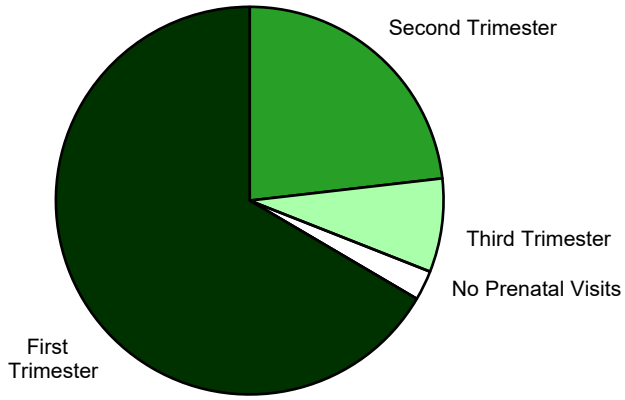
Figure B-7
Resident Live Births by Race, Hispanic Origin of Mother and Trimester of First Prenatal Visit, Pennsylvania, 2019

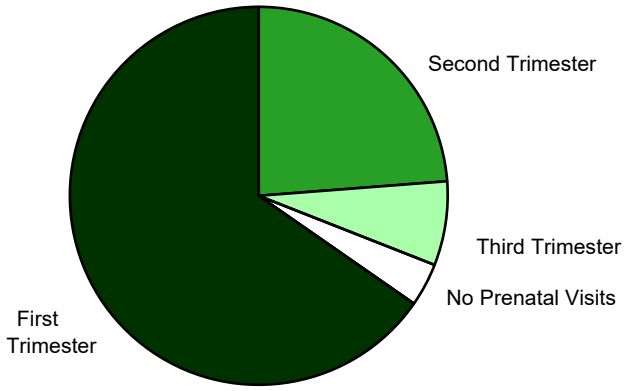












Note: Hispanic Origin can be of any race.

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, 2019

Age of Mother (In Years)	Total Births	Number of Previous Pregnancies										
		None		One		Two		Three		Four or More		Unknown
		Number	%	Number	%	Number	%	Number	%	Number	%	Number
All Ages	134,247	39,612	29.8	37,122	27.9	24,600	18.5	14,030	10.5	17,724	13.3	1,159
Under 15	59	57	98.3	1	ND	0	ND	0	ND	0	ND	1
15 - 19	5,252	3,967	76.1	999	19.2	196	3.8	41	0.8	12	0.2	37
20 - 24	23,021	9,848	43.2	7,142	31.3	3,467	15.2	1,498	6.6	851	3.7	215
25 - 29	38,927	11,984	31.1	10,824	28.1	7,299	18.9	4,157	10.8	4,303	11.2	360
30 - 34	42,330	10,255	24.4	12,231	29.1	8,342	19.9	4,760	11.3	6,397	15.2	345
35 - 39	20,480	3,034	14.9	5,146	25.3	4,485	22.1	2,950	14.5	4,713	23.2	152
40 - 44	3,839	427	11.2	706	18.6	760	20.0	577	15.2	1,326	34.9	43
45 & Over	324	38	11.9	72	22.5	49	15.3	43	13.4	118	36.9	4
Unknown	15	2	ND	1	ND	2	ND	4	ND	4	ND	2

* 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, 2019

Age of Mother (In Years)	Total Births	Number of Previous Live Births										
		None		One		Two		Three		Four or More		Unknown
		Number	%	Number	%	Number	%	Number	%	Number	%	Number
All Ages	134,247	51,143	38.3	43,474	32.6	22,302	16.7	9,078	6.8	7,435	5.6	815
Under 15	59	59	100.0	0	ND	0	ND	0	ND	0	ND	0
15 - 19	5,252	4,492	86.0	656	12.6	74	1.4	3	ND	1	ND	26
20 - 24	23,021	12,352	54.0	7,266	31.8	2,453	10.7	610	2.7	187	0.8	153
25 - 29	38,927	15,387	39.8	12,555	32.5	6,598	17.1	2,763	7.1	1,375	3.6	249
30 - 34	42,330	13,484	32.0	14,930	35.5	7,663	18.2	3,199	7.6	2,807	6.7	247
35 - 39	20,480	4,551	22.3	6,896	33.8	4,643	22.8	2,030	10.0	2,253	11.1	107
40 - 44	3,839	735	19.3	1,085	28.5	822	21.6	438	11.5	732	19.2	27
45 & Over	324	81	25.3	85	26.6	47	14.7	30	9.4	77	24.1	4
Unknown	15	2	ND	1	ND	2	ND	5	ND	3	ND	2

* 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, 2019

Age of Mother (In Years)	Total Births	Marital Status: Married Number	Married %	Unmarried Number	Unmarried %	Unknown Number
All Ages	134,247	77,559	58.8	54,393	41.2	2,295
Under 15	59	0	ND	59	100.0	0
15 - 19	5,252	281	5.4	4,927	94.6	44
20 - 24	23,021	6,306	27.6	16,517	72.4	198
25 - 29	38,927	21,579	56.2	16,803	43.8	545
30 - 34	42,330	31,256	75.5	10,158	24.5	916
35 - 39	20,480	15,253	76.3	4,728	23.7	499
40 - 44	3,839	2,709	72.1	1,048	27.9	82
45 & Over	324	173	54.7	143	45.3	8
Unknown	15	2	ND	10	83.3	3

* 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, 2019

Age of Mother (In Years)	Total Births	Highest Education Level Completed: Grade 8 Or Less Number	Grade 8 Or Less %	Grade 9-12 No Diploma Number	Grade 9-12 No Diploma %	High School Grad/GED Number	High School Grad/GED %	Some College** Number	Some College** %	College Degree Number	College Degree %	Unknown Number
All Ages	134,247	4,593	3.5	10,949	8.3	33,943	25.6	33,689	25.4	49,318	37.2	1,755
Under 15	59	34	57.6	25	42.4	0	ND	0	ND	0	ND	0
15 - 19	5,252	160	3.1	2,495	48.3	2,144	41.5	369	7.1	0	ND	84
20 - 24	23,021	1,106	4.9	3,126	13.7	10,889	47.8	6,445	28.3	1,226	5.4	229
25 - 29	38,927	1,248	3.2	2,659	6.9	10,926	28.4	11,941	31.1	11,643	30.3	510
30 - 34	42,330	1,128	2.7	1,688	4.0	6,533	15.6	9,574	22.9	22,867	54.7	540
35 - 39	20,480	666	3.3	758	3.8	2,786	13.8	4,422	21.9	11,560	57.3	288
40 - 44	3,839	233	6.2	170	4.5	603	16.1	860	22.9	1,888	50.3	85
45 & Over	324	18	5.8	28	9.0	59	19.0	71	22.9	134	43.2	14
Unknown	15	0	ND	0	ND	3	ND	7	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, 2019

Age of Mother (In Years)	Total Births	Risk Factors In This Pregnancy		Infections Present/Treated During This Pregnancy		Maternal Morbidity		Abnormal Conditions of Newborn		Selected Congenital Anomalies**	
		Number	%	Number	%	Number	%	Number	%	Number	%
All Ages	134,247	55,034	41.0	8,907	6.6	3,407	2.5	14,276	10.6	482	0.4
Under 15	59	7	ND	9	ND	4	ND	3	ND	0	ND
15 - 19	5,252	1,240	23.6	653	12.4	158	3.0	654	12.5	15	0.3
20 - 24	23,021	7,327	31.8	2,142	9.3	594	2.6	2,403	10.4	72	0.3
25 - 29	38,927	15,132	38.9	2,628	6.8	1,040	2.7	4,007	10.3	120	0.3
30 - 34	42,330	18,262	43.1	2,168	5.1	1,063	2.5	4,303	10.2	131	0.3
35 - 39	20,480	10,574	51.6	1,065	5.2	456	2.2	2,336	11.4	108	0.5
40 - 44	3,839	2,254	58.7	212	5.5	78	2.0	511	13.3	31	0.8
45 & Over	324	231	71.3	30	9.3	14	4.3	57	17.6	5	ND
Unknown	15	7	ND	0	ND	0	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, 2019

Congenital Anomalies	Number
Total Births	134,247
Births with Selected Anomaly(ies) Reported	482
Congenital Malformations of the Nervous System	
Anencephaly	13
Meningomyelocele/Spina Bifida	29
Congenital Malformations of the Circulatory System	
Cyanotic Congenital Heart Disease	64
Cleft Lip and Cleft Palate	
Cleft Lip With or Without Cleft Palate	48
Cleft Palate Alone	33
Congenital Malformations of Genital Organs	
Hypospadias	92
Congenital Malformations and Deformations of the Musculoskeletal System	
Congenital Diaphragmatic Hernia	31
Gastroschisis	32
Limb Reduction Defect	16
Omphalocele	15
Chromosomal Abnormalities	
Down Syndrome	
Karyotype Confirmed	33
Karyotype Pending	45
Suspected Chromosomal Disorder	
Karotype Confirmed	23
Karotype Pending	52
None of the Above	133,765
Unknown	0

Notes: More than one type of congenital anomaly may be reported for a live birth.
Starting with 2003, the collection process for congential 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, 2019

Age of Mother (In Years)	Total Births	Method of Delivery							
		Vaginal				Cesarean			Unknown Method
		Total*	VBAC**	Forceps	Vacuum	Total^	Primary	Repeat	
All Ages	134,247	93,689	3,547	603	3,532	40,532	24,178	16,354	26
Under 15	59	49	0	0	1	10	10	0	0
15 - 19	5,252	4,242	24	22	165	1,010	933	77	0
20 - 24	23,021	17,648	368	95	590	5,363	3,842	1,521	10
25 - 29	38,927	27,922	970	172	1,042	10,993	6,748	4,245	12
30 - 34	42,330	28,810	1,317	216	1,156	13,518	7,726	5,792	2
35 - 39	20,480	12,682	702	75	470	7,796	3,938	3,858	2
40 - 44	3,839	2,155	156	21	92	1,684	876	808	0
45 & Over	324	170	9	2	16	154	102	52	0
Unknown	15	11	1	0	0	4	3	1	0

* 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, 2019

Age of Mother (In Years)	Method of Delivery	
	Vaginal	Cesarean
All Ages	69.8	30.2
Under 15	83.1	16.9
15 - 19	80.8	19.2
20 - 24	76.7	23.3
25 - 29	71.8	28.2
30 - 34	68.1	31.9
35 - 39	61.9	38.1
40 - 44	56.1	43.9
45 & Over	52.5	47.5
Unknown	73.3	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, 2019

Age of Mother (In Years)	Total Births	Principal Source of Payment: Private Insurance Number	Private Insurance %	Medicaid Number	Medicaid %	Self-Pay Number	Self-Pay %	Unknown Number
All Ages	134,247	75,375	58.2	45,384	35.0	5,997	4.6	4,628
Under 15	59	11	19.3	43	75.4	2	ND	2
15-19	5,252	1,099	21.7	3,680	72.8	117	2.3	198
20-24	23,021	7,765	34.9	12,372	55.6	1,463	6.6	767
25-29	38,927	20,404	54.4	14,388	38.3	1,834	4.9	1,401
30-34	42,330	29,182	71.3	9,563	23.4	1,505	3.7	1,383
35-39	20,480	14,272	72.2	4,319	21.9	807	4.1	716
40-44	3,839	2,448	66.3	920	24.9	246	6.7	146
45 & Over	324	186	59.6	98	31.4	20	6.4	12
Unknown	15	8	ND	1	ND	3	ND	3

* 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, 2019

Race or Ethnicity of Mother	Total Births	Principal Source of Payment: Private Insurance Number	Private Insurance %	Medicaid Number	Medicaid %	Self-Pay Number	Self-Pay %	Unknown Number
All Races	134,247	75,375	58.2	45,384	35.0	5,997	4.6	4,628
White	93,118	60,411	67.0	22,818	25.3	5,277	5.9	3,015
Black	18,911	6,053	33.2	11,630	63.7	218	1.2	663
Asian/ Pacific Islander	6,272	4,302	71.3	1,542	25.5	73	1.2	236
Multi-Race	4,469	1,826	42.5	2,300	53.5	51	1.2	168
Hispanic Origin	16,674	4,496	28.1	10,188	63.7	446	2.8	674

* 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, 2019

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	106,601	82.0	74,830	82.6	13,906	76.5	5,496	90.7	3,359	78.0	13,079	81.7
Under 20	3,508	68.6	1,699	67.7	829	67.0	39	75.0	286	65.3	1,068	73.2
20-24	16,928	76.0	10,253	75.3	3,208	74.0	363	86.0	910	74.7	3,433	79.6
25-29	30,755	81.7	21,334	82.1	4,468	77.1	1,371	89.7	926	80.5	3,898	82.9
30-34	35,202	85.7	26,701	86.2	3,320	79.6	2,363	92.2	748	81.7	2,887	84.1
35-39	16,928	85.3	12,593	85.7	1,647	78.6	1,141	91.6	416	84.0	1,446	85.6
40 & Over	3,277	81.5	2,248	81.5	434	79.5	218	87.2	73	82.0	347	81.5
Unknown	3	ND	2	ND	0	ND	1	ND	0	ND	0	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 categorzation 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, 2019**

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	40,079	30.7	20,230	22.2	9,862	53.9	1,417	24.7	2,055	47.2	9,661	59.5
Under 20	3,549	69.1	1,661	65.7	890	71.3	35	63.6	310	70.9	1,087	74.5
20-24	11,582	51.8	6,115	44.6	2,701	62.2	216	53.6	704	57.5	2,953	67.6
25-29	12,171	32.1	6,156	23.5	3,132	53.7	449	31.1	529	45.4	2,781	58.1
30-34	8,178	19.9	4,092	13.1	1,976	46.8	466	19.4	328	35.3	1,791	51.4
35-39	3,719	18.6	1,820	12.3	930	43.8	192	15.9	158	30.9	845	49.6
40 & Over	879	21.8	385	13.9	233	42.2	59	24.7	26	29.2	204	46.3
Unknown	1	ND	1	ND	0	ND	0	ND	0	ND	0	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, 2019

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	134,247	16,825	12.8	12,148	9.2	10,344	7.9	9,855	7.5	2,556
Under 15	59	3	ND	2	ND	2	ND	1	ND	4
15-19	5,252	759	14.9	525	10.3	417	8.2	382	7.5	151
20-24	23,021	4,083	18.2	2,860	12.7	2,375	10.6	2,234	10.0	571
25-29	38,927	5,570	14.6	4,040	10.6	3,437	9.0	3,283	8.6	743
30-34	42,330	4,108	9.9	2,985	7.2	2,589	6.2	2,477	5.9	657
35-39	20,480	1,895	9.4	1,429	7.1	1,251	6.2	1,214	6.0	334
40-44	3,839	366	9.7	270	7.2	236	6.3	226	6.0	80
45 & Over	324	40	12.9	36	11.6	36	11.6	37	11.9	13
Unknown	15	1	ND	1	ND	1	ND	1	ND	3

* 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, 2019

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	134,247	16,825	12.8	12,148	9.2	10,344	7.9	9,855	7.5	2,556
White	93,118	13,487	14.6	9,790	10.6	8,414	9.1	8,053	8.7	945
Black	18,911	1,745	9.7	1,283	7.1	1,063	5.9	1,005	5.6	861
Asian/ Pacific Islander	6,272	80	1.3	51	0.8	31	0.5	29	0.5	142
Multi-Race	4,469	883	20.2	641	14.7	531	12.2	484	11.1	102
Hispanic Origin	16,674	1,317	8.1	803	4.9	631	3.9	581	3.6	438

* 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.
Notes: 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, 2019

Age of Mother (In Years)	Total Births	Smoking Status During Pregnancy				
		Yes		No		Unknown
		Number	%	Number	%	Number
All Ages	134,247	12,476	9.5	119,215	90.5	2,556
Under 15	59	2	ND	53	96.4	4
15 - 19	5,252	550	10.8	4,551	89.2	151
20 - 24	23,021	2,954	13.2	19,496	86.8	571
25 - 29	38,927	4,150	10.9	34,034	89.1	743
30 - 34	42,330	3,049	7.3	38,624	92.7	657
35 - 39	20,480	1,459	7.2	18,687	92.8	334
40 - 44	3,839	274	7.3	3,485	92.7	80
45 & Over	324	37	11.9	274	88.1	13
Unknown	15	1	ND	11	91.7	3

* 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, 2019

Race and Hispanic Origin of Mother	Total Births	Smoking Status During Pregnancy				
		Yes		No		Unknown
		Number	%	Number	%	Number
All Races	134,247	12,476	9.5	119,215	90.5	2,556
White	93,118	10,022	10.9	82,151	89.1	945
Black	18,911	1,347	7.5	16,703	92.5	861
Asian/ Pacific Islander	6,272	52	0.8	6,078	99.2	142
Multi-Race	4,469	657	15.0	3,710	85.0	102
Hispanic Origin	16,674	831	5.1	15,405	94.9	438

* 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, 2019

County	Total Births	Birth Rate	General Fertility Rate	Race				Hispanic Origin
				White	Black	Asian/ Pacific Islander	Multi-Race	
Pennsylvania	134,247	10.5	56.3	93,118	18,911	6,272	4,469	16,674
Adams	937	9.1	53.5	833	9	7	30	91
Allegheny	12,905	10.6	54.5	8,802	2,591	884	280	308
Armstrong	617	9.5	61.2	596	5	0	10	5
Beaver	1,557	9.5	57.0	1,305	139	15	62	42
Bedford	455	9.5	62.0	445	1	1	7	0
Berks	4,700	11.2	59.9	3,017	265	85	180	1,722
Blair	1,201	9.9	57.4	1,143	29	5	19	16
Bradford	624	10.3	65.3	608	2	5	2	8
Bucks	5,602	8.9	52.0	4,435	308	415	126	524
Butler	1,618	8.6	49.8	1,503	18	47	18	27
Cambria	1,227	9.4	57.7	1,083	97	7	26	27
Cameron	25	5.6	43.0	21	1	0	1	1
Carbon	525	8.2	51.6	478	11	2	13	55
Centre	1,084	6.7	29.4	922	35	74	26	29
Chester	5,322	10.1	55.0	3,957	326	425	143	684
Clarion	395	10.3	53.6	382	4	3	3	4
Clearfield	724	9.1	61.0	695	3	7	15	10
Clinton	405	10.5	53.0	387	3	2	8	9
Columbia	567	8.7	43.3	538	1	10	6	29
Crawford	893	10.6	60.7	850	11	2	21	14
Cumberland	2,595	10.2	55.0	2,110	139	172	95	123
Dauphin	3,271	11.8	61.8	1,790	732	216	233	509
Delaware	6,342	11.2	56.9	3,526	1,818	418	216	425
Elk	296	9.9	66.5	286	0	2	7	1
Erie	2,781	10.3	55.8	2,015	370	80	176	227
Fayette	1,214	9.4	57.9	1,088	65	8	40	20
Forest	35	4.8	69.9	35	0	0	0	0
Franklin	1,730	11.2	64.1	1,469	68	13	55	188
Fulton	143	9.8	61.0	137	0	2	1	2
Greene	324	8.9	54.5	312	3	1	6	6
Huntingdon	371	8.2	52.6	357	4	3	4	3
Indiana	798	9.5	49.2	747	19	8	17	8
Jefferson	478	11.0	67.7	471	0	0	6	1

(Continued)

Table B-22

Resident Live Births by Race and Hispanic Origin of Mother by County

Total Births, Birth and General Fertility Rates*: Pennsylvania, 2019

County	Total Births	Birth Rate	General Fertility Rate	Race				Hispanic Origin
				White	Black	Asian/ Pacific Islander	Multi-Race	
Juniata	263	10.6	64.4	246	0	2	1	18
Lackawanna	2,054	9.8	54.3	1,554	149	86	81	350
Lancaster	6,894	12.6	67.6	5,586	335	192	249	1,022
Lawrence	823	9.6	58.3	708	52	3	44	25
Lebanon	1,603	11.3	64.0	1,389	39	21	36	348
Lehigh	4,293	11.6	60.3	2,657	398	170	180	1,774
Luzerne	3,255	10.3	58.8	2,176	266	49	114	918
Lycoming	1,188	10.5	57.9	1,029	80	13	49	28
McKean	368	9.1	55.8	358	1	3	3	8
Mercer	1,015	9.3	55.9	882	75	10	40	17
Mifflin	546	11.8	74.1	519	5	1	10	19
Monroe	1,474	8.7	47.5	905	212	32	102	382
Montgomery	8,448	10.2	55.3	5,791	867	855	300	770
Montour	242	13.3	78.2	202	7	21	5	8
Northampton	2,762	9.0	49.7	1,969	233	120	132	667
Northumberland	922	10.1	63.4	822	24	5	26	80
Perry	544	11.8	70.7	529	1	0	10	8
Philadelphia	20,510	12.9	56.0	6,129	8,436	1,585	749	4,163
Pike	399	7.1	48.1	330	20	4	22	57
Potter	164	9.9	66.7	159	0	0	3	3
Schuylkill	1,333	9.4	60.1	1,192	26	14	29	128
Snyder	399	9.9	53.4	371	7	5	5	12
Somerset	623	8.5	59.0	607	4	3	7	5
Sullivan	54	8.9	70.1	51	1	1	0	0
Susquehanna	359	8.9	61.1	344	0	1	6	15
Tioga	401	9.9	58.5	391	2	2	5	2
Union	387	8.6	49.7	351	8	7	14	9
Venango	430	8.5	55.7	418	4	1	5	3
Warren	381	9.7	65.0	352	1	1	5	6
Washington	1,972	9.5	56.3	1,759	85	21	76	37
Wayne	391	7.6	55.2	370	3	4	8	17
Westmoreland	3,008	8.6	54.6	2,720	137	36	86	37
Wyoming	240	9.0	55.4	229	0	2	3	4
York	4,741	10.6	58.7	3,680	356	83	212	616

* Birth rate per 1,000 population for each specified county, 2019.

General fertility rate: Number of total live births per 1,000 females of childbearing age (between the ages of 15 and 44 years), 2019.

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, 2015-2019

County	Total Births 2015-2019	Birth Rate*	Race: White	Race: Black	Race: Asian/ Pacific Islander	Race: Multi-Race	Hispanic Origin
Pennsylvania	687,778	10.7	481,637	95,585	31,477	22,415	78,539
Adams	4,887	9.5	4,311	79	33	135	545
Allegheny	65,268	10.7	45,122	12,936	4,244	1,598	1,481
Armstrong	3,003	9.1	2,907	17	7	47	24
Beaver	8,082	9.7	6,905	668	47	334	188
Bedford	2,338	9.7	2,270	7	13	37	23
Berks	23,582	11.3	15,309	1,247	426	953	8,366
Blair	6,208	10.0	5,870	113	36	144	75
Bradford	3,343	11.0	3,245	18	34	14	46
Bucks	28,850	9.2	22,945	1,504	2,049	575	2,479
Butler	8,805	9.4	8,276	85	191	107	177
Cambria	6,372	9.6	5,657	461	60	125	100
Cameron	188	8.2	174	1	1	6	6
Carbon	2,851	8.9	2,629	58	11	62	205
Centre	5,915	7.3	5,049	115	466	148	166
Chester	26,853	10.3	20,190	1,522	2,108	697	3,421
Clarion	1,977	10.2	1,909	21	14	18	22
Clearfield	3,670	9.2	3,566	10	26	51	36
Clinton	2,044	10.5	1,984	9	14	24	28
Columbia	2,767	8.4	2,597	29	36	38	110
Crawford	4,641	10.8	4,352	59	19	159	71
Cumberland	13,106	10.5	10,605	686	875	460	631
Dauphin	16,903	12.3	9,270	3,760	1,066	1,265	2,430
Delaware	32,528	11.5	18,312	9,142	2,252	1,130	1,921
Elk	1,425	9.4	1,385	1	12	20	9
Erie	14,746	10.8	10,844	1,764	485	865	1,039
Fayette	6,574	10.0	5,971	314	50	201	78
Forest	136	3.7	136	0	0	0	0
Franklin	8,929	11.6	7,603	330	78	251	911
Fulton	706	9.7	682	0	4	10	15
Greene	1,828	9.9	1,778	7	6	30	24
Huntingdon	1,949	8.6	1,871	21	7	40	21
Indiana	3,986	9.3	3,747	62	33	71	44
Jefferson	2,386	10.9	2,345	3	5	26	12

(Continued)

Table B-23

Resident Live Births by Race and Hispanic Origin of Mother by County
Number and Average Annual Rate: Pennsylvania, 2015-2019

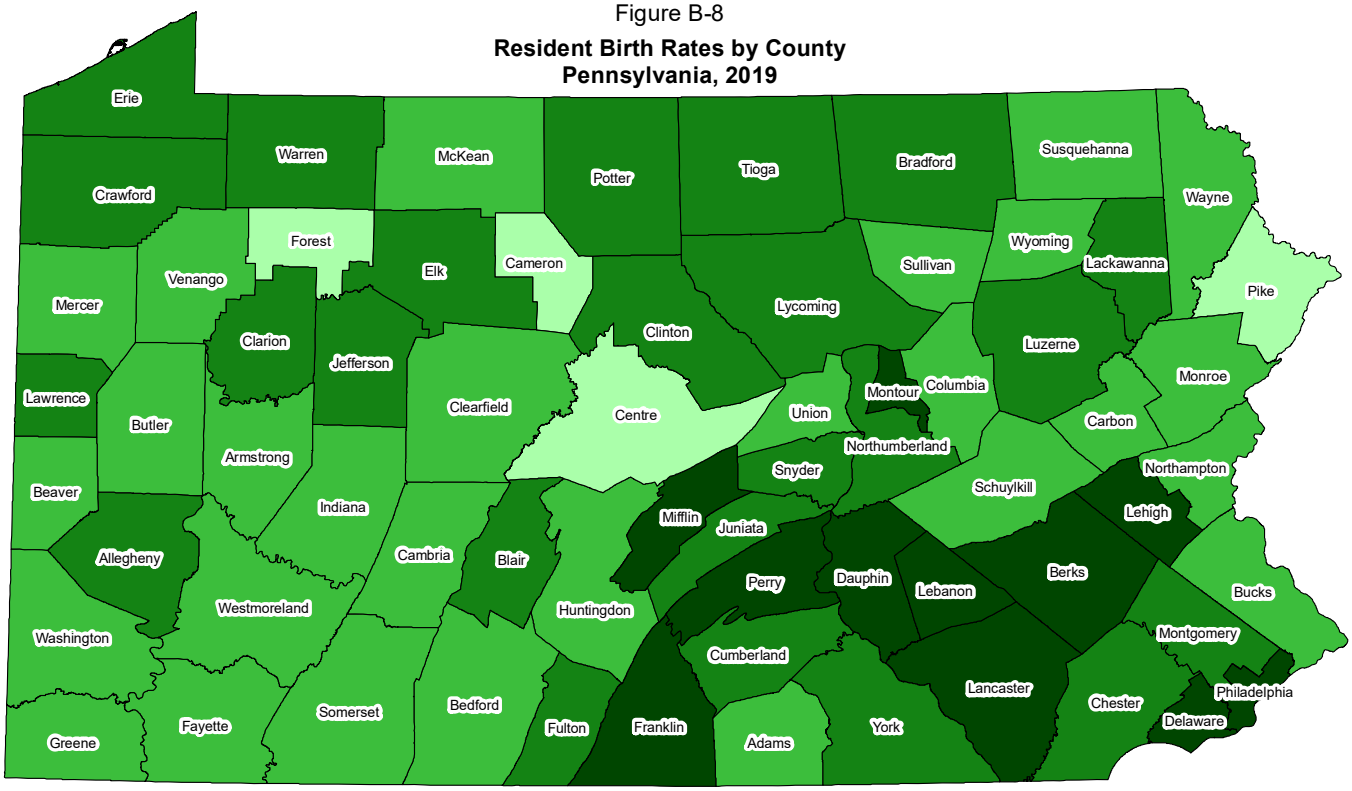
County	Total Births 2015-2019	Birth Rate*	Race: White	Race: Black	Race: Asian/ Pacific Islander	Race: Multi-Race	Hispanic Origin
Juniata	1,390	11.2	1,297	13	8	14	80
Lackawanna	10,587	10.0	8,323	592	465	327	1,489
Lancaster	35,296	13.0	28,966	1,543	943	1,160	4,747
Lawrence	4,445	10.2	3,935	260	16	189	86
Lebanon	7,946	11.4	6,893	185	104	215	1,576
Lehigh	21,361	11.7	13,357	1,950	826	866	8,067
Luzerne	16,231	10.2	11,260	1,268	259	516	3,995
Lycoming	5,988	10.5	5,263	362	58	237	117
McKean	1,906	9.2	1,838	16	13	26	33
Mercer	5,476	9.8	4,740	418	39	236	93
Mifflin	2,902	12.5	2,794	21	9	47	69
Monroe	7,406	8.8	4,626	1,039	195	462	1,693
Montgomery	43,275	10.5	30,287	4,104	4,287	1,509	3,762
Montour	1,083	11.8	950	17	75	14	26
Northampton	14,044	9.3	10,327	1,033	542	571	2,938
Northumberland	4,636	10.1	4,300	85	30	86	253
Perry	2,635	11.5	2,522	8	12	61	50
Philadelphia	105,973	13.4	31,290	44,490	7,956	3,903	20,249
Pike	2,038	7.3	1,705	104	23	86	265
Potter	860	10.2	830	1	2	18	16
Schuylkill	6,624	9.3	5,983	118	59	141	573
Snyder	2,187	10.8	2,089	26	16	20	42
Somerset	3,415	9.2	3,340	18	13	21	34
Sullivan	233	7.6	223	1	1	4	1
Susquehanna	1,857	9.1	1,795	7	7	24	50
Tioga	2,070	10.1	2,025	6	12	18	17
Union	2,004	8.9	1,858	34	26	42	60
Venango	2,447	9.4	2,391	15	6	24	15
Warren	2,011	10.1	1,879	8	8	21	15
Washington	9,892	9.5	8,871	369	125	365	198
Wayne	2,008	7.9	1,866	19	23	58	91
Westmoreland	15,106	8.6	13,742	627	155	416	206
Wyoming	1,285	9.4	1,238	0	12	15	29
York	24,315	10.9	19,018	1,779	444	1,062	2,900

* Birth rate per 1,000 population for each specified county, 2015-2019.

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, 2019



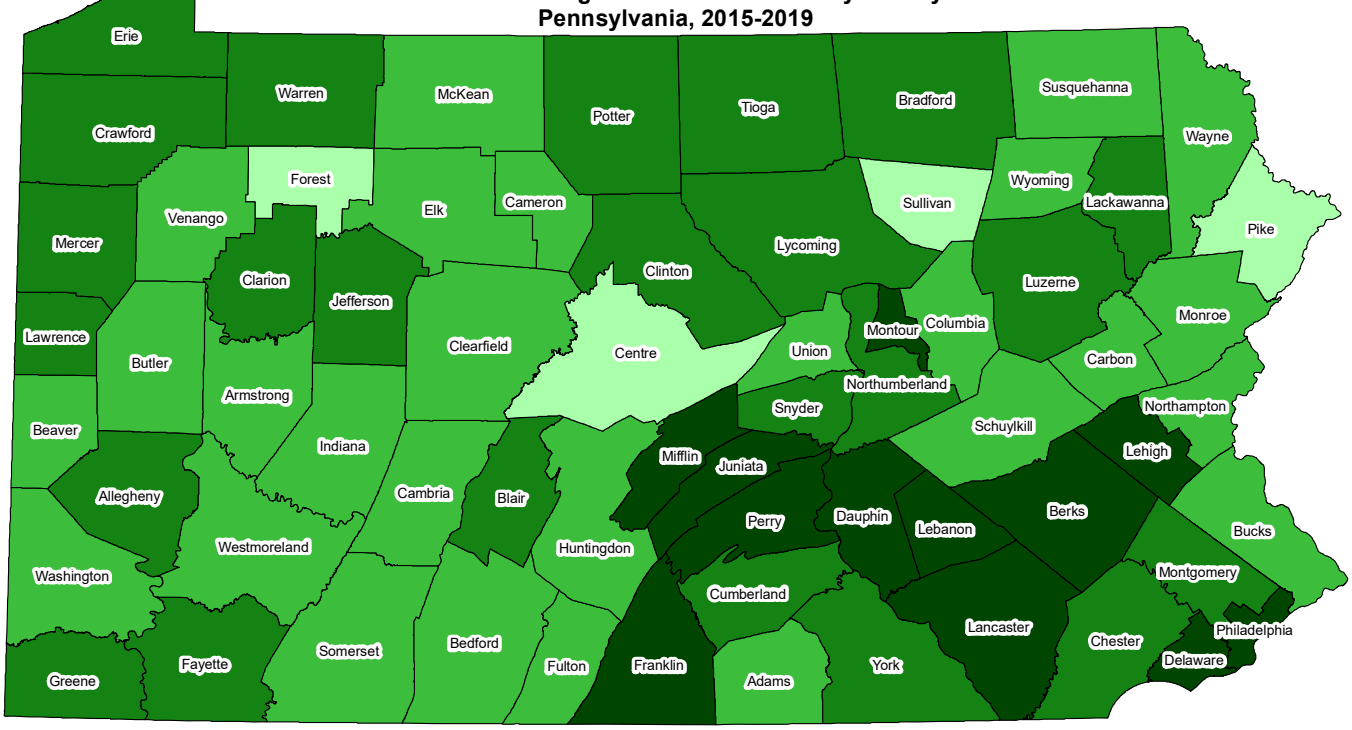
Rate

4.8 - 7.1 **7.2 - 9.5** **9.6 - 11.0** **11.1 - 13.3**

Note: Rate per 1,000 population, 2019. See Table B-22 for county rates.

Figure B-9

Resident Average Annual Birth Rates by County
Pennsylvania, 2015-2019



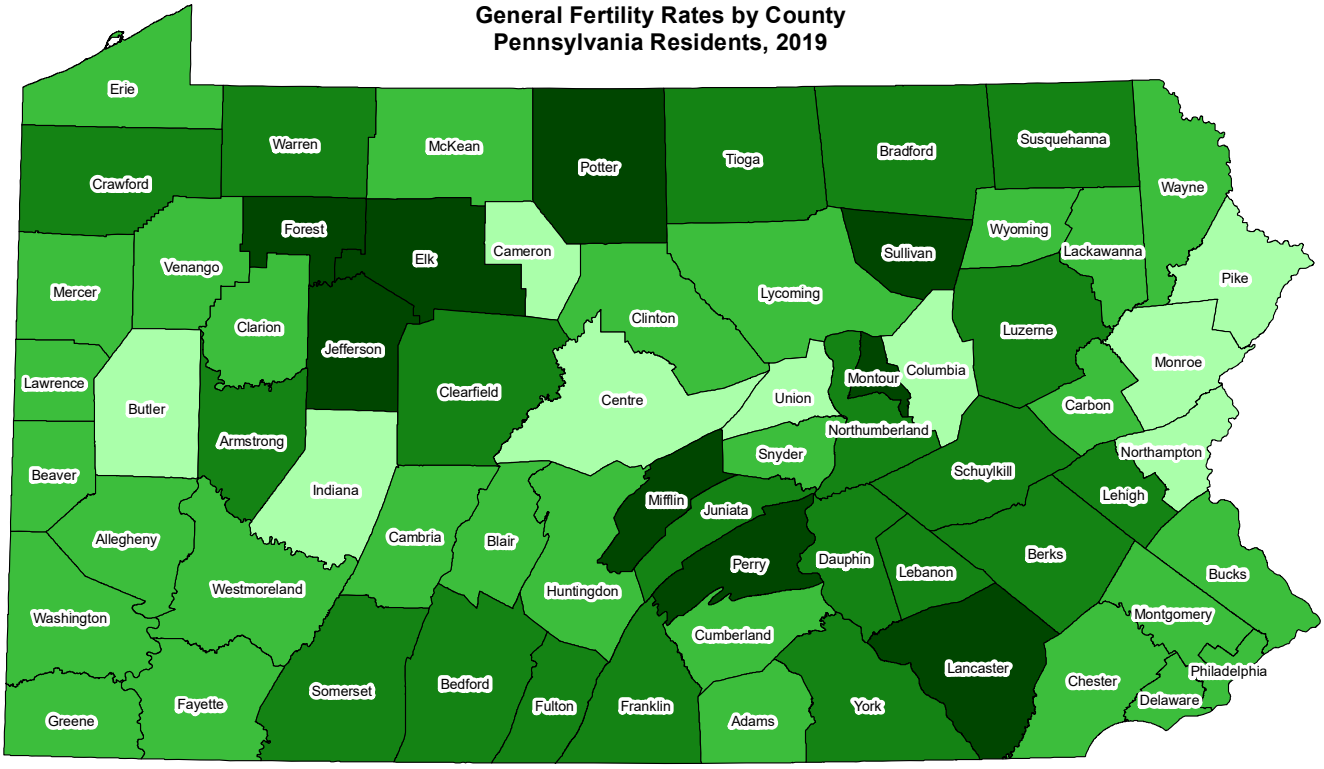
Rate

3.7 - 7.6 **7.7 - 9.7** **9.8 - 11.0** **11.1 - 13.4**

Note: Rate per 1,000 population, 2015-2019. See Table B-23 for county rates.

Figure B-10

General Fertility Rates by County
Pennsylvania Residents, 2019



Rate

29.4 - 49.8 **49.9 - 58.3** **58.4 - 65.3** **65.4 - 78.2**

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, 2019

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
Pennsylvania	134,247	59	5,252	23,021	38,927	42,330	20,480	3,839	324	15
Adams	937	0	33	180	333	248	114	28	1	0
Allegheny	12,905	4	314	1,628	3,396	4,842	2,306	388	26	1
Armstrong	617	0	27	129	226	161	64	10	0	0
Beaver	1,557	0	54	277	477	512	205	30	2	0
Bedford	455	0	18	112	168	105	40	11	1	0
Berks	4,700	3	281	952	1,432	1,272	615	129	16	0
Blair	1,201	2	66	306	384	300	119	20	4	0
Bradford	624	0	49	169	216	127	53	10	0	0
Bucks	5,602	0	79	519	1,352	2,254	1,169	212	15	2
Butler	1,618	0	32	191	467	604	280	34	8	2
Cambria	1,227	3	70	259	422	335	116	22	0	0
Cameron	25	0	0	10	7	7	1	0	0	0
Carbon	525	0	29	108	168	134	69	16	1	0
Centre	1,084	0	18	142	338	391	169	24	2	0
Chester	5,322	1	84	510	1,213	2,122	1,187	185	18	2
Clarion	395	2	16	89	138	100	40	9	1	0
Clearfield	724	1	30	161	254	181	84	11	2	0
Clinton	405	0	18	113	145	80	37	12	0	0
Columbia	567	0	19	115	194	155	72	10	2	0
Crawford	893	0	56	211	292	217	97	19	1	0
Cumberland	2,595	1	78	400	750	919	378	64	5	0
Dauphin	3,271	0	164	721	987	847	451	91	10	0
Delaware	6,342	0	183	714	1,542	2,358	1,301	228	14	2
Elk	296	0	10	66	108	81	27	4	0	0
Erie	2,781	0	184	572	886	756	316	61	6	0
Fayette	1,214	0	75	338	380	266	132	20	2	1
Forest	35	0	2	12	6	12	2	1	0	0
Franklin	1,730	0	87	393	608	414	190	36	2	0
Fulton	143	0	13	38	45	32	11	4	0	0
Greene	324	1	13	103	107	70	28	1	1	0
Huntingdon	371	0	23	97	121	89	29	12	0	0
Indiana	798	1	32	183	269	206	82	24	1	0
Jefferson	478	0	25	128	168	105	43	8	1	0

(Continued)

Table B-24
Resident Live Births by Age of Mother and County
Pennsylvania, 2019

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	263	0	12	69	77	72	25	8	0	0
Lackawanna	2,054	3	92	353	587	631	325	58	5	0
Lancaster	6,894	3	212	1,332	2,235	2,043	877	172	19	1
Lawrence	823	0	43	161	289	228	84	17	1	0
Lebanon	1,603	2	84	385	515	422	151	43	1	0
Lehigh	4,293	4	223	816	1,222	1,264	622	128	14	0
Luzerne	3,255	0	200	731	966	882	386	87	3	0
Lycoming	1,188	1	49	279	402	313	118	21	5	0
McKean	368	1	25	100	124	82	29	6	1	0
Mercer	1,015	0	42	244	338	251	116	22	2	0
Mifflin	546	0	25	154	178	122	52	14	1	0
Monroe	1,474	1	48	275	483	400	214	49	4	0
Montgomery	8,448	2	149	668	1,875	3,453	1,945	337	19	0
Montour	242	0	4	37	59	107	30	3	2	0
Northampton	2,762	0	88	394	822	894	451	100	13	0
Northumberland	922	1	58	225	281	238	107	11	1	0
Perry	544	0	21	102	182	150	78	11	0	0
Philadelphia	20,510	17	1,089	3,793	5,744	6,025	3,115	674	53	0
Pike	399	0	13	62	122	129	53	17	3	0
Potter	164	0	13	50	57	31	11	2	0	0
Schuylkill	1,333	2	69	284	448	339	158	28	5	0
Snyder	399	0	12	100	138	98	39	11	1	0
Somerset	623	0	23	128	212	188	64	7	1	0
Sullivan	54	0	1	9	21	19	4	0	0	0
Susquehanna	359	0	13	98	123	77	42	5	1	0
Tioga	401	0	25	94	126	108	44	4	0	0
Union	387	0	13	75	116	114	53	16	0	0
Venango	430	0	22	112	138	103	47	7	1	0
Warren	381	0	11	107	147	82	28	5	1	0
Washington	1,972	2	63	317	609	627	299	51	4	0
Wayne	391	0	15	68	111	121	58	18	0	0
Westmoreland	3,008	1	87	455	980	991	422	64	8	0
Wyoming	240	0	8	56	83	70	16	6	0	1
York	4,741	0	218	942	1,518	1,354	590	103	13	3

Table B-25
Resident Live Births by Birth Weight and County
Number and Percent*: Pennsylvania, 2019

County	Total Births	Birth Weight: < 1,500 Grams Number	%	1,500 - 2,499 Grams Number	%	2,500 - 3,999 Grams Number	%	4,000 Grams and Over Number	%	Unknown Weight Number
Pennsylvania	134,247	1,931	1.4	9,380	7.0	111,433	83.4	10,884	8.1	619
Adams	937	16	1.7	53	5.7	780	83.2	88	9.4	0
Allegheny	12,905	198	1.6	912	7.3	10,470	83.6	941	7.5	384
Armstrong	617	16	2.6	57	9.3	502	81.6	40	6.5	2
Beaver	1,557	29	1.9	84	5.4	1,286	83.4	143	9.3	15
Bedford	455	3	ND	21	4.6	388	85.7	41	9.1	2
Berks	4,700	76	1.6	306	6.5	3,922	83.5	395	8.4	1
Blair	1,201	9	ND	70	5.8	996	83.2	122	10.2	4
Bradford	624	7	ND	27	4.3	515	82.7	74	11.9	1
Bucks	5,602	66	1.2	352	6.3	4,628	82.7	553	9.9	3
Butler	1,618	14	0.9	92	5.7	1,357	84.5	143	8.9	12
Cambria	1,227	18	1.5	85	6.9	1,046	85.2	78	6.4	0
Cameron	25	0	ND	0	ND	20	80.0	5	ND	0
Carbon	525	9	ND	30	5.7	440	83.8	46	8.8	0
Centre	1,084	16	1.5	43	4.0	887	81.9	137	12.7	1
Chester	5,322	52	1.0	269	5.1	4,454	83.7	544	10.2	3
Clarion	395	3	ND	24	6.1	333	85.2	31	7.9	4
Clearfield	724	12	1.7	56	7.7	584	80.7	72	9.9	0
Clinton	405	7	ND	22	5.4	337	83.2	39	9.6	0
Columbia	567	9	ND	42	7.4	473	83.4	43	7.6	0
Crawford	893	17	1.9	57	6.4	744	83.6	72	8.1	3
Cumberland	2,595	23	0.9	144	5.6	2,173	83.9	251	9.7	4
Dauphin	3,271	48	1.5	262	8.0	2,727	83.4	232	7.1	2
Delaware	6,342	98	1.5	437	6.9	5,291	83.4	515	8.1	1
Elk	296	4	ND	16	5.4	253	85.5	23	7.8	0
Erie	2,781	42	1.5	213	7.7	2,356	84.9	165	5.9	5
Fayette	1,214	16	1.3	91	7.6	1,024	85.0	73	6.1	10
Forest	35	0	ND	4	ND	27	81.8	2	ND	2
Franklin	1,730	21	1.2	97	5.6	1,452	84.1	156	9.0	4
Fulton	143	3	ND	11	7.7	112	78.3	17	11.9	0
Greene	324	2	ND	31	9.6	270	83.6	20	6.2	1
Huntingdon	371	3	ND	19	5.1	311	83.8	38	10.2	0
Indiana	798	8	ND	59	7.4	657	82.8	69	8.7	5
Jefferson	478	7	ND	37	7.8	397	83.4	35	7.4	2

(Continued)

Table B-25
Resident Live Births by Birth Weight and County
Number and Percent*: Pennsylvania, 2019

County	Total Births	Birth Weight: < 1,500 Grams Number	%	1,500 - 2,499 Grams Number	%	2,500 - 3,999 Grams Number	%	4,000 Grams and Over Number	%	Unknown Weight Number
Juniata	263	1	ND	16	6.1	220	83.7	26	9.9	0
Lackawanna	2,054	34	1.7	140	6.8	1,701	83.0	174	8.5	5
Lancaster	6,894	69	1.0	371	5.4	5,731	83.2	719	10.4	4
Lawrence	823	13	1.6	54	6.6	696	85.0	56	6.8	4
Lebanon	1,603	21	1.3	121	7.5	1,342	83.7	119	7.4	0
Lehigh	4,293	64	1.5	323	7.5	3,557	82.9	348	8.1	1
Luzerne	3,255	45	1.4	227	7.0	2,739	84.3	239	7.4	5
Lycoming	1,188	15	1.3	88	7.4	969	81.6	116	9.8	0
McKean	368	3	ND	26	7.1	313	85.1	26	7.1	0
Mercer	1,015	10	1.0	85	8.4	831	82.3	84	8.3	5
Mifflin	546	6	ND	32	5.9	459	84.1	49	9.0	0
Monroe	1,474	31	2.1	107	7.3	1,216	82.6	119	8.1	1
Montgomery	8,448	92	1.1	518	6.1	7,072	83.7	764	9.0	2
Montour	242	6	ND	19	7.9	205	84.7	12	5.0	0
Northampton	2,762	42	1.5	191	6.9	2,327	84.3	201	7.3	1
Northumberland	922	11	1.2	62	6.7	755	82.0	93	10.1	1
Perry	544	3	ND	37	6.8	443	81.6	60	11.0	1
Philadelphia	20,510	442	2.2	1,911	9.3	16,928	82.6	1,206	5.9	23
Pike	399	2	ND	38	9.5	334	83.7	25	6.3	0
Potter	164	0	ND	7	ND	142	87.7	13	8.0	2
Schuylkill	1,333	26	2.0	86	6.5	1,112	83.5	107	8.0	2
Snyder	399	1	ND	22	5.5	319	79.9	57	14.3	0
Somerset	623	8	ND	40	6.4	520	83.6	54	8.7	1
Sullivan	54	2	ND	3	ND	42	77.8	7	ND	0
Susquehanna	359	1	ND	17	4.7	320	89.1	21	5.8	0
Tioga	401	4	ND	19	4.7	352	87.8	26	6.5	0
Union	387	5	ND	20	5.2	327	84.5	35	9.0	0
Venango	430	3	ND	33	7.9	347	82.8	36	8.6	11
Warren	381	6	ND	19	5.2	306	84.5	31	8.6	19
Washington	1,972	21	1.1	129	6.6	1,644	83.9	166	8.5	12
Wayne	391	4	ND	20	5.1	339	86.7	28	7.2	0
Westmoreland	3,008	30	1.0	192	6.5	2,511	84.8	228	7.7	47
Wyoming	240	0	ND	18	7.5	203	84.6	19	7.9	0
York	4,741	58	1.2	366	7.7	3,899	82.3	417	8.8	1

* 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, 2015-2019

County	Total Births 2015-2019	Birth Weight: < 1,500 Grams Number	%	1,500 - 2,499 Grams Number	%	2,500 - 3,999 Grams Number	%	4,000 Grams and Over Number	%	Unknown Weight Number
Pennsylvania	687,778	10,002	1.5	47,003	6.9	568,447	83.1	58,821	8.6	3,505
Adams	4,887	64	1.3	317	6.5	4,034	82.6	471	9.6	1
Allegheny	65,268	945	1.5	4,444	7.0	52,854	83.4	5,102	8.1	1,923
Armstrong	3,003	44	1.5	193	6.5	2,490	83.8	245	8.2	31
Beaver	8,082	121	1.5	468	5.9	6,659	83.3	742	9.3	92
Bedford	2,338	24	1.0	110	4.7	1,948	83.6	249	10.7	7
Berks	23,582	382	1.6	1,541	6.5	19,525	82.8	2,122	9.0	12
Blair	6,208	54	0.9	369	6.0	5,216	84.2	557	9.0	12
Bradford	3,343	34	1.0	177	5.3	2,718	81.4	412	12.3	2
Bucks	28,850	382	1.3	1,829	6.4	23,664	82.2	2,920	10.1	55
Butler	8,805	72	0.8	445	5.1	7,315	84.4	839	9.7	134
Cambria	6,372	94	1.5	467	7.3	5,391	84.7	415	6.5	5
Cameron	188	1	ND	8	ND	159	85.0	19	10.2	1
Carbon	2,851	43	1.5	196	6.9	2,345	82.3	266	9.3	1
Centre	5,915	63	1.1	295	5.0	4,890	82.7	664	11.2	3
Chester	26,853	286	1.1	1,467	5.5	22,261	82.9	2,825	10.5	14
Clarion	1,977	18	0.9	103	5.3	1,629	83.7	196	10.1	31
Clearfield	3,670	53	1.4	257	7.0	3,032	82.7	324	8.8	4
Clinton	2,044	21	1.0	117	5.7	1,699	83.1	207	10.1	0
Columbia	2,767	38	1.4	199	7.2	2,278	82.4	251	9.1	1
Crawford	4,641	59	1.3	308	6.7	3,854	83.6	391	8.5	29
Cumberland	13,106	161	1.2	789	6.0	10,790	82.4	1,352	10.3	14
Dauphin	16,903	294	1.7	1,311	7.8	13,935	82.5	1,353	8.0	10
Delaware	32,528	557	1.7	2,287	7.0	26,840	82.6	2,824	8.7	20
Elk	1,425	12	0.8	88	6.2	1,219	85.7	104	7.3	2
Erie	14,746	221	1.5	1,065	7.2	12,384	84.2	1,040	7.1	36
Fayette	6,574	89	1.4	493	7.6	5,462	83.7	482	7.4	48
Forest	136	3	ND	9	ND	108	81.2	13	9.8	3
Franklin	8,929	102	1.1	529	5.9	7,418	83.3	856	9.6	24
Fulton	706	7	ND	53	7.5	571	81.0	74	10.5	1
Greene	1,828	20	1.1	165	9.1	1,491	82.0	142	7.8	10
Huntingdon	1,949	21	1.1	111	5.7	1,606	82.4	210	10.8	1
Indiana	3,986	39	1.0	249	6.3	3,306	83.4	369	9.3	23
Jefferson	2,386	27	1.1	164	6.9	1,973	83.1	209	8.8	13

(Continued)

Table B-26

Resident Live Births by Birth Weight and County

Number and Percent*: Pennsylvania, Five-Year Summary, 2015-2019

County	Total Births 2015-2019	Birth Weight: < 1,500 Grams Number	%	1,500 - 2,499 Grams Number	%	2,500 - 3,999 Grams Number	%	4,000 Grams and Over Number	%	Unknown Weight Number
Juniata	1,390	14	1.0	80	5.8	1,134	81.6	162	11.7	0
Lackawanna	10,587	164	1.6	735	6.9	8,785	83.0	895	8.5	8
Lancaster	35,296	381	1.1	1,953	5.5	29,121	82.6	3,815	10.8	26
Lawrence	4,445	57	1.3	314	7.1	3,756	85.1	287	6.5	31
Lebanon	7,946	95	1.2	573	7.2	6,647	83.7	629	7.9	2
Lehigh	21,361	327	1.5	1,428	6.7	17,829	83.5	1,760	8.2	17
Luzerne	16,231	218	1.3	1,112	6.9	13,666	84.3	1,218	7.5	17
Lycoming	5,988	90	1.5	419	7.0	4,885	81.6	592	9.9	2
McKean	1,906	23	1.2	142	7.5	1,591	83.6	147	7.7	3
Mercer	5,476	65	1.2	386	7.1	4,522	83.4	448	8.3	55
Mifflin	2,902	43	1.5	171	5.9	2,350	81.0	336	11.6	2
Monroe	7,406	131	1.8	555	7.5	6,180	83.5	532	7.2	8
Montgomery	43,275	496	1.1	2,679	6.2	35,952	83.2	4,092	9.5	56
Montour	1,083	17	1.6	65	6.0	895	82.6	106	9.8	0
Northampton	14,044	200	1.4	950	6.8	11,708	83.4	1,172	8.4	14
Northumberland	4,636	53	1.1	286	6.2	3,833	82.7	461	10.0	3
Perry	2,635	25	0.9	167	6.3	2,144	81.4	297	11.3	2
Philadelphia	105,973	2,293	2.2	9,340	8.8	87,675	82.9	6,502	6.1	163
Pike	2,038	17	0.8	147	7.2	1,688	83.0	182	8.9	4
Potter	860	8	ND	45	5.3	724	84.7	78	9.1	5
Schuylkill	6,624	106	1.6	453	6.8	5,488	83.0	568	8.6	9
Snyder	2,187	22	1.0	113	5.2	1,753	80.3	296	13.6	3
Somerset	3,415	32	0.9	216	6.3	2,865	84.0	297	8.7	5
Sullivan	233	3	ND	13	5.6	193	82.8	24	10.3	0
Susquehanna	1,857	25	1.3	108	5.8	1,563	84.2	161	8.7	0
Tioga	2,070	18	0.9	100	4.8	1,747	84.4	205	9.9	0
Union	2,004	15	0.7	96	4.8	1,657	82.7	235	11.7	1
Venango	2,447	32	1.3	161	6.8	1,964	82.8	216	9.1	74
Warren	2,011	23	1.2	122	6.4	1,607	83.7	169	8.8	90
Washington	9,892	117	1.2	627	6.4	8,182	83.5	874	8.9	92
Wayne	2,008	24	1.2	124	6.2	1,660	82.7	200	10.0	0
Westmoreland	15,106	164	1.1	914	6.1	12,551	84.4	1,238	8.3	239
Wyoming	1,285	14	1.1	81	6.3	1,068	83.1	122	9.5	0
York	24,315	339	1.4	1,705	7.0	20,000	82.3	2,260	9.3	11

* 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, 2019

County	Total Births	Underweight Number	Underweight %	Normal Weight Number	Normal Weight %	Overweight Number	Overweight %	Obese Number	Obese %	Unknown Number
Pennsylvania	134,247	3,871	3.1	53,594	43.5	31,556	25.6	34,222	27.8	11,004
Adams	937	27	2.9	345	37.4	243	26.4	307	33.3	15
Allegheny	12,905	173	2.6	3,186	48.0	1,664	25.1	1,615	24.3	6,267
Armstrong	617	15	2.9	189	35.9	126	24.0	196	37.3	91
Beaver	1,557	45	3.4	526	40.1	343	26.1	399	30.4	244
Bedford	455	21	4.7	195	43.6	109	24.4	122	27.3	8
Berks	4,700	157	3.4	1,878	40.3	1,245	26.7	1,375	29.5	45
Blair	1,201	52	4.4	446	37.9	313	26.6	366	31.1	24
Bradford	624	12	1.9	232	37.4	158	25.4	219	35.3	3
Bucks	5,602	150	2.7	2,591	47.0	1,440	26.1	1,326	24.1	95
Butler	1,618	33	2.7	573	46.6	318	25.9	305	24.8	389
Cambria	1,227	43	3.6	451	37.3	320	26.5	394	32.6	19
Cameron	25	1	ND	10	41.7	4	ND	9	ND	1
Carbon	525	14	2.7	202	39.1	128	24.8	173	33.5	8
Centre	1,084	39	3.7	524	49.3	245	23.0	255	24.0	21
Chester	5,322	128	2.4	2,870	54.5	1,304	24.8	963	18.3	57
Clarion	395	9	ND	121	39.9	72	23.8	101	33.3	92
Clearfield	724	23	3.3	273	39.4	158	22.8	239	34.5	31
Clinton	405	18	4.6	158	40.3	87	22.2	129	32.9	13
Columbia	567	15	2.7	235	41.7	109	19.3	205	36.3	3
Crawford	893	34	4.1	352	42.6	195	23.6	245	29.7	67
Cumberland	2,595	79	3.1	1,124	43.9	658	25.7	697	27.2	37
Dauphin	3,271	90	2.8	1,318	41.1	823	25.7	974	30.4	66
Delaware	6,342	182	3.0	2,765	44.9	1,626	26.4	1,586	25.8	183
Elk	296	13	4.5	123	42.3	85	29.2	70	24.1	5
Erie	2,781	97	3.6	1,080	39.7	718	26.4	827	30.4	59
Fayette	1,214	42	3.8	442	39.5	254	22.7	382	34.1	94
Forest	35	1	ND	8	ND	8	ND	13	43.3	5
Franklin	1,730	49	2.9	691	41.3	432	25.8	501	29.9	57
Fulton	143	2	ND	51	36.4	30	21.4	57	40.7	3
Greene	324	9	ND	115	37.1	77	24.8	109	35.2	14
Huntingdon	371	13	3.6	135	37.3	94	26.0	120	33.1	9
Indiana	798	32	4.3	318	42.5	172	23.0	226	30.2	50
Jefferson	478	22	4.8	184	40.2	106	23.1	146	31.9	20

(Continued)

Table B-27

Resident Live Births by Pre-Pregnancy Weight Status* and County

Number and Percent: Pennsylvania, 2019

County	Total Births	Underweight Number	Underweight %	Normal Weight Number	Normal Weight %	Overweight Number	Overweight %	Obese Number	Obese %	Unknown Number
Juniata	263	11	4.3	122	47.3	47	18.2	78	30.2	5
Lackawanna	2,054	72	3.6	833	41.6	495	24.7	604	30.1	50
Lancaster	6,894	208	3.1	3,294	49.0	1,667	24.8	1,554	23.1	171
Lawrence	823	24	3.3	293	40.6	177	24.5	228	31.6	101
Lebanon	1,603	54	3.4	720	45.4	386	24.4	425	26.8	18
Lehigh	4,293	140	3.3	1,684	40.0	1,180	28.1	1,201	28.6	88
Luzerne	3,255	107	3.4	1,242	38.9	808	25.3	1,036	32.4	62
Lycoming	1,188	32	2.8	470	40.8	278	24.1	373	32.4	35
McKean	368	18	5.1	140	39.5	88	24.9	108	30.5	14
Mercer	1,015	34	3.7	393	43.0	204	22.3	283	31.0	101
Mifflin	546	16	3.4	188	40.3	119	25.5	144	30.8	79
Monroe	1,474	36	2.5	512	35.1	427	29.2	485	33.2	14
Montgomery	8,448	214	2.6	4,144	49.9	2,189	26.4	1,758	21.2	143
Montour	242	8	ND	109	45.2	70	29.0	54	22.4	1
Northampton	2,762	63	2.3	1,134	41.3	717	26.1	829	30.2	19
Northumberland	922	30	3.3	355	38.9	222	24.3	306	33.5	9
Perry	544	6	ND	234	43.7	145	27.1	150	28.0	9
Philadelphia	20,510	726	3.6	8,306	41.8	5,042	25.3	5,817	29.2	619
Pike	399	15	3.9	148	38.1	111	28.6	114	29.4	11
Potter	164	10	6.2	68	42.0	40	24.7	44	27.2	2
Schuylkill	1,333	41	3.1	541	40.8	340	25.6	404	30.5	7
Snyder	399	14	3.6	171	44.0	94	24.2	110	28.3	10
Somerset	623	17	2.8	232	38.2	167	27.5	192	31.6	15
Sullivan	54	2	ND	14	25.9	14	25.9	24	44.4	0
Susquehanna	359	11	3.1	141	40.1	95	27.0	105	29.8	7
Tioga	401	5	ND	141	35.7	107	27.1	142	35.9	6
Union	387	9	ND	185	48.4	83	21.7	105	27.5	5
Venango	430	11	3.4	132	40.4	74	22.6	110	33.6	103
Warren	381	15	4.4	135	39.8	89	26.3	100	29.5	42
Washington	1,972	54	3.2	750	44.2	439	25.9	453	26.7	276
Wayne	391	12	3.1	159	41.5	106	27.7	106	27.7	8
Westmoreland	3,008	64	2.8	985	42.7	587	25.5	670	29.1	702
Wyoming	240	9	ND	94	39.5	53	22.3	82	34.5	2
York	4,741	143	3.1	1,814	39.7	1,232	27.0	1,377	30.2	175

*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, 2019

		Highest Education Level Completed										
		Grade 8 Or Less		Grade 9-12 No Diploma		High School Grad/GED		Some College**		College Degree		Unknown
County	Total Births	Number	%	Number	%	Number	%	Number	%	Number	%	Number
Pennsylvania	134,247	4,593	3.5	10,949	8.3	33,943	25.6	33,689	25.4	49,318	37.2	1,755
Adams	937	20	2.1	71	7.6	290	31.0	305	32.7	248	26.6	3
Allegheny	12,905	45	0.4	472	3.9	2,426	19.8	2,722	22.2	6,575	53.7	665
Armstrong	617	35	5.7	46	7.5	179	29.3	193	31.6	158	25.9	6
Beaver	1,557	7	ND	103	6.7	356	23.2	496	32.4	570	37.2	25
Bedford	455	24	5.3	38	8.4	164	36.2	134	29.6	93	20.5	2
Berks	4,700	125	2.7	640	13.7	1,310	28.0	1,371	29.3	1,231	26.3	23
Blair	1,201	36	3.0	112	9.4	410	34.3	327	27.3	312	26.1	4
Bradford	624	8	ND	61	9.8	243	39.1	173	27.9	136	21.9	3
Bucks	5,602	74	1.3	186	3.3	996	17.9	1,330	23.9	2,973	53.5	43
Butler	1,618	5	ND	60	3.8	281	17.7	389	24.5	856	53.8	27
Cambria	1,227	14	1.1	97	7.9	405	33.1	338	27.6	371	30.3	2
Cameron	25	0	ND	2	ND	12	48.0	7	ND	4	ND	0
Carbon	525	7	ND	51	9.8	163	31.2	187	35.8	114	21.8	3
Centre	1,084	82	7.6	39	3.6	185	17.1	198	18.3	579	53.5	1
Chester	5,322	306	5.8	274	5.2	714	13.5	853	16.1	3,148	59.5	27
Clarion	395	59	15.1	32	8.2	108	27.7	93	23.8	98	25.1	5
Clearfield	724	38	5.3	54	7.5	246	34.0	205	28.4	180	24.9	1
Clinton	405	67	16.6	34	8.4	142	35.1	82	20.3	79	19.6	1
Columbia	567	10	1.8	60	10.6	161	28.4	153	27.0	182	32.2	1
Crawford	893	189	21.3	74	8.3	247	27.8	197	22.2	182	20.5	4
Cumberland	2,595	116	4.5	193	7.5	565	21.9	584	22.6	1,122	43.5	15
Dauphin	3,271	83	2.6	373	11.5	935	28.8	912	28.1	943	29.1	25
Delaware	6,342	86	1.4	311	5.0	1,300	20.8	1,518	24.3	3,041	48.6	86
Elk	296	1	ND	23	7.8	93	31.4	78	26.4	101	34.1	0
Erie	2,781	61	2.2	333	12.1	834	30.2	759	27.5	771	28.0	23
Fayette	1,214	10	0.8	166	13.7	448	37.1	348	28.8	236	19.5	6
Forest	35	2	ND	4	ND	13	37.1	10	28.6	6	ND	0
Franklin	1,730	90	5.2	238	13.8	539	31.3	459	26.6	397	23.0	7
Fulton	143	3	ND	18	12.6	55	38.5	41	28.7	26	18.2	0
Greene	324	1	ND	47	14.7	111	34.8	93	29.2	67	21.0	5
Huntingdon	371	8	ND	32	8.6	149	40.3	92	24.9	89	24.1	1
Indiana	798	148	18.7	50	6.3	193	24.4	165	20.9	235	29.7	7
Jefferson	478	82	17.2	34	7.1	153	32.1	103	21.6	104	21.8	2

(Continued)

Table B-28
Resident Live Births by Education of Mother and County
Number and Percent*: Pennsylvania, 2019

		Highest Education Level Completed										
		Grade 8 Or Less		Grade 9-12 No Diploma		High School Grad/GED		Some College**		College Degree		Unknown
County	Total Births	Number	%	Number	%	Number	%	Number	%	Number	%	Number
Juniata	263	52	19.8	32	12.2	76	28.9	63	24.0	40	15.2	0
Lackawanna	2,054	32	1.6	223	10.9	569	27.9	552	27.1	662	32.5	16
Lancaster	6,894	1,089	15.8	835	12.2	1,627	23.7	1,430	20.8	1,891	27.5	22
Lawrence	823	44	5.4	81	9.9	255	31.2	227	27.8	211	25.8	5
Lebanon	1,603	70	4.4	248	15.5	528	33.1	409	25.6	341	21.4	7
Lehigh	4,293	55	1.3	398	9.4	1,166	27.6	1,234	29.3	1,365	32.4	75
Luzerne	3,255	52	1.6	380	11.8	1,053	32.7	971	30.1	767	23.8	32
Lycoming	1,188	34	2.9	98	8.3	353	29.9	375	31.7	322	27.2	6
McKean	368	8	ND	37	10.1	124	33.8	113	30.8	85	23.2	1
Mercer	1,015	108	10.8	102	10.2	285	28.5	243	24.3	263	26.3	14
Mifflin	546	142	26.1	29	5.3	188	34.5	104	19.1	82	15.0	1
Monroe	1,474	8	ND	87	5.9	442	30.2	550	37.5	378	25.8	9
Montgomery	8,448	133	1.6	300	3.6	1,107	13.2	1,647	19.6	5,220	62.1	41
Montour	242	11	4.5	21	8.7	45	18.6	42	17.4	123	50.8	0
Northampton	2,762	24	0.9	146	5.3	637	23.2	909	33.1	1,033	37.6	13
Northumberland	922	32	3.5	134	14.6	300	32.6	256	27.9	197	21.4	3
Perry	544	68	12.5	45	8.3	177	32.7	134	24.7	118	21.8	2
Philadelphia	20,510	465	2.3	2,254	11.2	6,201	30.7	5,120	25.4	6,155	30.5	315
Pike	399	2	ND	16	4.1	118	30.0	156	39.7	101	25.7	6
Potter	164	14	8.6	8	ND	64	39.5	45	27.8	31	19.1	2
Schuylkill	1,333	24	1.8	174	13.1	434	32.7	411	31.0	283	21.3	7
Snyder	399	64	16.1	49	12.3	132	33.2	80	20.1	73	18.3	1
Somerset	623	45	7.3	33	5.3	196	31.6	177	28.5	169	27.3	3
Sullivan	54	1	ND	1	ND	21	38.9	17	31.5	14	25.9	0
Susquehanna	359	1	ND	39	10.9	137	38.2	112	31.2	70	19.5	0
Tioga	401	2	ND	37	9.3	132	33.0	104	26.0	125	31.3	1
Union	387	20	5.2	65	16.9	97	25.3	78	20.3	124	32.3	3
Venango	430	18	4.2	35	8.2	170	39.8	110	25.8	94	22.0	3
Warren	381	25	6.9	27	7.5	137	38.1	97	26.9	74	20.6	21
Washington	1,972	6	ND	128	6.6	484	25.0	494	25.5	827	42.7	33
Wayne	391	1	ND	27	7.0	109	28.2	115	29.7	135	34.9	4
Westmoreland	3,008	15	0.5	160	5.4	700	23.8	892	30.3	1,173	39.9	68
Wyoming	240	4	ND	14	5.9	89	37.4	67	28.2	64	26.9	2
York	4,741	82	1.7	358	7.6	1,364	28.9	1,440	30.5	1,481	31.3	16

* 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, 2019

County	Total Births	Married						Unmarried					
		Total Married		Age of Mother (In Years)				Total Unmarried		Age of Mother (In Years)			
				19 & Under		Over 19				19 & Under		Over 19	
		Number	%*	Number	%**	Number	%**	Number	%*	Number	%***	Number	%***
Pennsylvania	134,247	77,559	58.8	281	0.4	77,276	99.6	54,393	41.2	4,986	9.2	49,397	90.8
Adams	937	524	61.6	2	ND	522	99.6	327	38.4	29	8.9	298	91.1
Allegheny	12,905	8,290	64.3	8	ND	8,282	99.9	4,603	35.7	309	6.7	4,294	93.3
Armstrong	617	359	58.4	2	ND	357	99.4	256	41.6	24	9.4	232	90.6
Beaver	1,557	898	57.7	0	ND	898	100.0	659	42.3	54	8.2	605	91.8
Bedford	455	288	69.2	1	ND	287	99.7	128	30.8	15	11.7	113	88.3
Berks	4,700	2,455	52.3	9	ND	2,446	99.6	2,238	47.7	275	12.3	1,963	87.7
Blair	1,201	635	52.9	3	ND	632	99.5	565	47.1	65	11.5	500	88.5
Bradford	624	312	50.0	5	ND	307	98.4	312	50.0	44	14.1	268	85.9
Bucks	5,602	3,328	70.1	5	ND	3,323	99.8	1,419	29.9	67	4.7	1,350	95.3
Butler	1,618	1,198	74.0	1	ND	1,197	99.9	420	26.0	31	7.4	387	92.6
Cambria	1,227	635	51.9	0	ND	635	100.0	588	48.1	73	12.4	515	87.6
Cameron	25	9	ND	0	ND	9	ND	16	64.0	0	ND	16	100.0
Carbon	525	254	48.8	3	ND	251	98.8	267	51.2	26	9.7	241	90.3
Centre	1,084	845	78.1	0	ND	845	100.0	237	21.9	18	7.6	219	92.4
Chester	5,322	3,945	77.4	3	ND	3,942	99.9	1,150	22.6	80	7.0	1,068	93.0
Clarion	395	260	66.2	0	ND	260	100.0	133	33.8	18	13.5	115	86.5
Clearfield	724	430	59.4	3	ND	427	99.3	294	40.6	28	9.5	266	90.5
Clinton	405	235	58.0	4	ND	231	98.3	170	42.0	14	8.2	156	91.8
Columbia	567	329	58.1	1	ND	328	99.7	237	41.9	18	7.6	219	92.4
Crawford	893	580	65.0	10	1.7	570	98.3	312	35.0	46	14.7	266	85.3
Cumberland	2,595	1,828	70.6	6	ND	1,822	99.7	761	29.4	73	9.6	688	90.4
Dauphin	3,271	1,628	49.8	10	0.6	1,618	99.4	1,638	50.2	153	9.3	1,485	90.7
Delaware	6,342	3,782	60.9	6	ND	3,776	99.8	2,427	39.1	174	7.2	2,252	92.8
Elk	296	164	55.4	0	ND	164	100.0	132	44.6	10	7.6	122	92.4
Erie	2,781	1,352	48.7	11	0.8	1,341	99.2	1,426	51.3	173	12.1	1,253	87.9
Fayette	1,214	561	46.3	1	ND	560	99.8	650	53.7	74	11.4	575	88.6
Forest	35	22	62.9	0	ND	22	100.0	13	37.1	2	ND	11	84.6
Franklin	1,730	986	62.6	7	ND	979	99.3	588	37.4	76	12.9	512	87.1
Fulton	143	56	46.7	2	ND	54	96.4	64	53.3	10	15.6	54	84.4
Greene	324	169	52.2	1	ND	168	99.4	155	47.8	13	8.4	142	91.6
Huntingdon	371	211	57.2	3	ND	208	98.6	158	42.8	20	12.7	138	87.3
Indiana	798	566	71.1	3	ND	563	99.5	230	28.9	30	13.0	200	87.0
Jefferson	478	305	63.8	6	ND	299	98.0	173	36.2	19	11.0	154	89.0

(Continued)

Table B-29

Resident Live Births by Marital Status of Mother and County

Number and Percent: Pennsylvania, 2019

County	Total Births	Married						Unmarried					
		Total Married		Age of Mother (In Years)				Total Unmarried		Age of Mother (In Years)			
				19 & Under		Over 19				19 & Under		Over 19	
		Number	%*	Number	%**	Number	%**	Number	%*	Number	%***	Number	%***
Juniata	263	194	73.8	3	ND	191	98.5	69	26.2	9	ND	60	87.0
Lackawanna	2,054	1,028	50.1	9	ND	1,019	99.1	1,022	49.9	86	8.4	936	91.6
Lancaster	6,894	5,080	73.8	11	0.2	5,069	99.8	1,800	26.2	202	11.2	1,597	88.8
Lawrence	823	437	53.1	3	ND	434	99.3	386	46.9	40	10.4	346	89.6
Lebanon	1,603	958	59.9	6	ND	952	99.4	640	40.1	80	12.5	560	87.5
Lehigh	4,293	2,203	51.4	11	0.5	2,192	99.5	2,079	48.6	216	10.4	1,863	89.6
Luzerne	3,255	1,454	44.8	7	ND	1,447	99.5	1,790	55.2	193	10.8	1,597	89.2
Lycoming	1,188	619	52.1	2	ND	617	99.7	568	47.9	48	8.5	520	91.5
McKean	368	185	50.3	1	ND	184	99.5	183	49.7	25	13.7	158	86.3
Mercer	1,015	579	57.1	8	ND	571	98.6	435	42.9	34	7.8	401	92.2
Mifflin	546	354	64.8	1	ND	353	99.7	192	35.2	24	12.5	168	87.5
Monroe	1,474	736	51.0	0	ND	736	100.0	707	49.0	49	6.9	658	93.1
Montgomery	8,448	6,346	75.5	3	ND	6,343	100.0	2,064	24.5	146	7.1	1,918	92.9
Montour	242	194	80.2	1	ND	193	99.5	48	19.8	3	ND	45	93.8
Northampton	2,762	1,618	59.5	6	ND	1,612	99.6	1,103	40.5	81	7.3	1,022	92.7
Northumberland	922	446	48.5	1	ND	445	99.8	474	51.5	58	12.2	416	87.8
Perry	544	375	69.2	2	ND	373	99.5	167	30.8	19	11.4	148	88.6
Philadelphia	20,510	8,542	42.0	43	0.5	8,499	99.5	11,773	58.0	1,055	9.0	10,718	91.0
Pike	399	188	51.8	2	ND	186	98.9	175	48.2	10	5.7	165	94.3
Potter	164	96	58.5	1	ND	95	99.0	68	41.5	12	17.6	56	82.4
Schuylkill	1,333	608	45.7	2	ND	606	99.7	722	54.3	69	9.6	653	90.4
Snyder	399	290	72.7	3	ND	287	99.0	109	27.3	9	ND	100	91.7
Somerset	623	391	65.3	4	ND	387	99.0	208	34.7	18	8.7	190	91.3
Sullivan	54	33	61.1	0	ND	33	100.0	21	38.9	1	ND	20	95.2
Susquehanna	359	177	49.3	2	ND	175	98.9	182	50.7	11	6.0	171	94.0
Tioga	401	240	60.0	2	ND	238	99.2	160	40.0	23	14.4	137	85.6
Union	387	285	73.8	1	ND	284	99.6	101	26.2	12	11.9	89	88.1
Venango	430	228	53.0	4	ND	224	98.2	202	47.0	18	8.9	184	91.1
Warren	381	241	63.3	3	ND	238	98.8	140	36.7	8	ND	132	94.3
Washington	1,972	1,230	62.5	3	ND	1,227	99.8	738	37.5	62	8.4	676	91.6
Wayne	391	241	62.1	3	ND	238	98.8	147	37.9	12	8.2	135	91.8
Westmoreland	3,008	1,885	62.7	6	ND	1,879	99.7	1,122	37.3	82	7.3	1,040	92.7
Wyoming	240	122	51.0	1	ND	121	99.2	117	49.0	7	ND	110	94.0
York	4,741	2,517	56.5	10	0.4	2,505	99.6	1,935	43.5	203	10.5	1,731	89.5

* 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, 2019

County	Total Births	Trimester In Pregnancy: First Number	First %	Second Number	Second %	Third Number	Third %	Unknown Number	No Prenatal Visits Number	No Prenatal Visits %
Pennsylvania	134,247	96,430	74.2	23,961	18.4	6,950	5.3	4,235	2,671	2.1
Adams	937	664	72.3	208	22.6	39	4.2	18	8	ND
Allegheny	12,905	10,592	88.1	1,065	8.9	327	2.7	881	40	0.3
Armstrong	617	479	80.6	64	10.8	49	8.2	23	2	ND
Beaver	1,557	1,189	79.6	242	16.2	57	3.8	63	6	ND
Bedford	455	348	76.8	82	18.1	19	4.2	2	4	ND
Berks	4,700	3,762	81.1	691	14.9	149	3.2	59	39	0.8
Blair	1,201	964	81.3	181	15.3	33	2.8	15	8	ND
Bradford	624	480	77.3	106	17.1	32	5.2	3	3	ND
Bucks	5,602	4,262	78.5	837	15.4	270	5.0	174	59	1.1
Butler	1,618	1,318	85.0	171	11.0	55	3.5	68	6	ND
Cambria	1,227	966	79.4	182	15.0	56	4.6	10	13	1.1
Cameron	25	21	91.3	1	ND	0	ND	2	1	ND
Carbon	525	410	79.0	75	14.5	27	5.2	6	7	ND
Centre	1,084	817	76.4	158	14.8	85	8.0	15	9	ND
Chester	5,322	3,905	74.5	1,079	20.6	227	4.3	82	29	0.6
Clarion	395	288	75.0	65	16.9	25	6.5	11	6	ND
Clearfield	724	548	76.9	105	14.7	43	6.0	11	17	2.4
Clinton	405	276	69.5	89	22.4	25	6.3	8	7	ND
Columbia	567	407	73.1	106	19.0	39	7.0	10	5	ND
Crawford	893	533	61.7	246	28.5	74	8.6	29	11	1.3
Cumberland	2,595	1,719	69.2	599	24.1	145	5.8	112	20	0.8
Dauphin	3,271	2,215	71.0	653	20.9	213	6.8	150	40	1.3
Delaware	6,342	4,591	74.1	1,122	18.1	333	5.4	148	148	2.4
Elk	296	235	89.0	19	7.2	9	ND	32	1	ND
Erie	2,781	2,189	79.4	403	14.6	148	5.4	25	16	0.6
Fayette	1,214	845	72.7	204	17.5	76	6.5	51	38	3.3
Forest	35	30	88.2	3	ND	0	ND	1	1	ND
Franklin	1,730	1,293	76.6	290	17.2	99	5.9	41	7	ND
Fulton	143	105	76.6	21	15.3	6	ND	6	5	ND
Greene	324	226	70.4	69	21.5	20	6.2	3	6	ND
Huntingdon	371	259	72.3	83	23.2	15	4.2	13	1	ND
Indiana	798	494	63.7	132	17.0	135	17.4	22	15	1.9
Jefferson	478	344	73.5	80	17.1	35	7.5	10	9	ND

(Continued)

Table B-30

Resident Live Births by Trimester of First Prenatal Visit and County

Number and Percent*: Pennsylvania, 2019

County	Total Births	Trimester In Pregnancy: First Number	First %	Second Number	Second %	Third Number	Third %	Unknown Number	No Prenatal Visits Number	No Prenatal Visits %
Juniata	263	170	66.7	66	25.9	18	7.1	8	1	ND
Lackawanna	2,054	1,476	74.0	414	20.8	90	4.5	60	14	0.7
Lancaster	6,894	4,274	62.8	2,187	32.1	328	4.8	89	16	0.2
Lawrence	823	601	76.5	138	17.6	41	5.2	37	6	ND
Lebanon	1,603	1,137	72.2	323	20.5	101	6.4	29	13	0.8
Lehigh	4,293	3,349	78.9	660	15.5	203	4.8	46	35	0.8
Luzerne	3,255	2,097	65.9	825	25.9	208	6.5	75	50	1.6
Lycoming	1,188	933	79.9	174	14.9	50	4.3	21	10	0.9
McKean	368	261	74.4	71	20.2	18	5.1	17	1	ND
Mercer	1,015	675	69.9	217	22.5	67	6.9	49	7	ND
Mifflin	546	318	61.2	114	21.9	83	16.0	26	5	ND
Monroe	1,474	1,055	72.2	297	20.3	90	6.2	13	19	1.3
Montgomery	8,448	6,610	80.3	1,196	14.5	327	4.0	214	101	1.2
Montour	242	169	70.4	45	18.8	23	9.6	2	3	ND
Northampton	2,762	2,237	81.5	365	13.3	115	4.2	17	28	1.0
Northumberland	922	634	69.7	222	24.4	44	4.8	13	9	ND
Perry	544	328	63.6	156	30.2	28	5.4	28	4	ND
Philadelphia	20,510	12,056	61.8	4,323	22.1	1,561	8.0	989	1,581	8.1
Pike	399	267	67.1	94	23.6	29	7.3	1	8	ND
Potter	164	130	80.7	24	14.9	7	ND	3	0	ND
Schuylkill	1,333	861	69.3	286	23.0	68	5.5	91	27	2.2
Snyder	399	243	61.8	124	31.6	24	6.1	6	2	ND
Somerset	623	428	69.7	96	15.6	51	8.3	9	39	6.4
Sullivan	54	41	75.9	10	18.5	3	ND	0	0	ND
Susquehanna	359	215	62.1	95	27.5	28	8.1	13	8	ND
Tioga	401	294	74.6	89	22.6	10	2.5	7	1	ND
Union	387	255	66.8	95	24.9	28	7.3	5	4	ND
Venango	430	342	80.3	57	13.4	23	5.4	4	4	ND
Warren	381	260	75.1	59	17.1	18	5.2	35	9	ND
Washington	1,972	1,540	79.8	299	15.5	71	3.7	41	21	1.1
Wayne	391	308	80.4	56	14.6	15	3.9	8	4	ND
Westmoreland	3,008	2,465	84.3	342	11.7	95	3.2	84	22	0.8
Wyoming	240	164	69.5	61	25.8	9	ND	4	2	ND
York	4,741	3,463	74.4	950	20.4	211	4.5	87	30	0.6

* 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, 2019

County	Total Births	Hospital				Non-Hospital			
		Physician	Midwife	Other	Unknown	Physician	Midwife	Other	Unknown
Pennsylvania	134,247	111,862	17,254	222	15	9	3,286	1,581	15
Adams	937	536	375	1	0	1	19	5	0
Allegheny	12,905	11,761	900	7	0	0	212	25	0
Armstrong	617	522	65	0	0	0	14	16	0
Beaver	1,557	1,513	24	1	0	0	14	5	0
Bedford	455	371	44	0	0	0	18	22	0
Berks	4,700	3,564	959	8	0	0	160	9	0
Blair	1,201	1,125	27	1	0	0	24	24	0
Bradford	624	476	132	1	0	0	5	7	3
Bucks	5,602	5,218	325	3	0	0	50	6	0
Butler	1,618	1,348	251	1	0	0	14	4	0
Cambria	1,227	702	514	0	0	0	3	8	0
Cameron	25	23	1	0	0	0	0	1	0
Carbon	525	424	94	0	0	0	2	5	0
Centre	1,084	962	39	0	0	0	19	64	0
Chester	5,322	4,834	177	7	0	0	227	77	0
Clarion	395	313	44	1	0	0	11	26	0
Clearfield	724	467	228	2	0	0	8	18	1
Clinton	405	250	95	0	0	0	14	46	0
Columbia	567	337	207	0	0	0	6	17	0
Crawford	893	726	74	1	0	0	26	65	1
Cumberland	2,595	1,749	692	4	0	0	135	14	0
Dauphin	3,271	2,599	597	2	0	0	39	34	0
Delaware	6,342	5,943	258	8	11	1	118	3	0
Elk	296	232	63	0	0	0	1	0	0
Erie	2,781	2,471	273	2	0	1	16	18	0
Fayette	1,214	1,131	71	1	0	3	4	4	0
Forest	35	31	3	0	0	0	0	1	0
Franklin	1,730	1,054	519	13	0	0	136	7	1
Fulton	143	97	43	1	0	0	1	1	0
Greene	324	296	26	0	0	0	2	0	0
Huntingdon	371	316	38	1	0	0	13	3	0
Indiana	798	623	58	0	0	0	35	82	0
Jefferson	478	238	185	3	0	0	16	36	0

(Continued)

Table B-31
Resident Live Births by Place of Delivery
Attendant at Birth, and County, Pennsylvania, 2019

County	Total Births	Hospital				Non-Hospital			
		Physician	Midwife	Other	Unknown	Physician	Midwife	Other	Unknown
Juniata	263	113	81	1	0	0	20	48	0
Lackawanna	2,054	1,907	133	0	0	0	9	4	1
Lancaster	6,894	3,530	2,084	74	0	0	941	265	0
Lawrence	823	722	68	0	0	0	10	23	0
Lebanon	1,603	1,298	175	3	0	0	112	15	0
Lehigh	4,293	3,705	546	5	0	0	19	18	0
Luzerne	3,255	2,793	432	2	1	0	14	12	1
Lycoming	1,188	619	528	0	0	0	17	24	0
McKean	368	289	74	1	0	0	1	0	3
Mercer	1,015	769	184	0	0	0	26	36	0
Mifflin	546	249	163	3	0	0	59	72	0
Monroe	1,474	986	472	3	0	0	10	3	0
Montgomery	8,448	7,376	903	5	0	1	145	18	0
Montour	242	192	30	1	0	0	4	15	0
Northampton	2,762	2,623	101	2	0	0	21	15	0
Northumberland	922	671	202	0	1	0	16	32	0
Perry	544	332	120	0	0	0	54	37	1
Philadelphia	20,510	19,236	983	34	2	2	212	37	2
Pike	399	265	129	0	0	0	5	0	0
Potter	164	95	58	0	0	0	0	11	0
Schuylkill	1,333	1,197	102	2	0	0	22	10	0
Snyder	399	193	112	1	0	0	21	72	0
Somerset	623	312	268	0	0	0	33	10	0
Sullivan	54	38	16	0	0	0	0	0	0
Susquehanna	359	301	52	0	0	0	5	1	0
Tioga	401	314	75	1	0	0	7	4	0
Union	387	194	130	1	0	0	17	45	0
Venango	430	393	18	0	0	0	6	13	0
Warren	381	212	135	0	0	0	7	26	1
Washington	1,972	1,883	68	3	0	0	15	3	0
Wayne	391	259	126	1	0	0	5	0	0
Westmoreland	3,008	2,825	142	5	0	0	27	9	0
Wyoming	240	193	41	0	0	0	4	2	0
York	4,741	3,526	1,102	5	0	0	60	48	0

Table B-32
Resident Live Births by Smoking Status During Pregnancy and County
Number and Percent*: Pennsylvania, 2019

County	Total Births	Smoking Status During Pregnancy: Yes Number	Yes %	No Number	No %	Unknown Number
Pennsylvania	134,247	12,476	9.5	119,215	90.5	2,556
Adams	937	111	12.0	816	88.0	10
Allegheny	12,905	890	7.0	11,808	93.0	207
Armstrong	617	111	18.1	501	81.9	5
Beaver	1,557	235	15.5	1,285	84.5	37
Bedford	455	51	11.2	404	88.8	0
Berks	4,700	340	7.3	4,318	92.7	42
Blair	1,201	195	16.3	1,005	83.8	1
Bradford	624	120	19.3	503	80.7	1
Bucks	5,602	339	6.2	5,138	93.8	125
Butler	1,618	171	10.6	1,435	89.4	12
Cambria	1,227	245	20.0	981	80.0	1
Cameron	25	9	ND	15	62.5	1
Carbon	525	86	16.4	437	83.6	2
Centre	1,084	83	7.8	987	92.2	14
Chester	5,322	183	3.5	5,077	96.5	62
Clarion	395	63	16.1	328	83.9	4
Clearfield	724	146	20.3	574	79.7	4
Clinton	405	65	16.3	335	83.8	5
Columbia	567	88	15.9	467	84.1	12
Crawford	893	172	19.5	708	80.5	13
Cumberland	2,595	199	7.7	2,381	92.3	15
Dauphin	3,271	303	9.3	2,940	90.7	28
Delaware	6,342	333	5.5	5,742	94.5	267
Elk	296	64	21.9	228	78.1	4
Erie	2,781	468	16.9	2,309	83.1	4
Fayette	1,214	304	25.4	892	74.6	18
Forest	35	8	ND	26	76.5	1
Franklin	1,730	181	10.6	1,520	89.4	29
Fulton	143	26	18.4	115	81.6	2
Greene	324	80	24.8	243	75.2	1
Huntingdon	371	69	18.9	296	81.1	6
Indiana	798	108	13.6	685	86.4	5
Jefferson	478	86	18.0	391	82.0	1

(Continued)

Table B-32

Resident Live Births by Smoking Status During Pregnancy and County
Number and Percent*: Pennsylvania, 2019

County	Total Births	Smoking Status During Pregnancy: Yes Number	Yes %	No Number	No %	Unknown Number
Juniata	263	24	9.2	238	90.8	1
Lackawanna	2,054	330	16.2	1,703	83.8	21
Lancaster	6,894	380	5.5	6,489	94.5	25
Lawrence	823	183	22.3	637	77.7	3
Lebanon	1,603	159	10.0	1,424	90.0	20
Lehigh	4,293	296	7.0	3,936	93.0	61
Luzerne	3,255	445	14.1	2,711	85.9	99
Lycoming	1,188	205	17.4	972	82.6	11
McKean	368	79	21.9	281	78.1	8
Mercer	1,015	195	19.5	805	80.5	15
Mifflin	546	87	16.4	443	83.6	16
Monroe	1,474	152	10.4	1,311	89.6	11
Montgomery	8,448	361	4.4	7,922	95.6	165
Montour	242	11	4.6	230	95.4	1
Northampton	2,762	225	8.2	2,513	91.8	24
Northumberland	922	182	20.1	723	79.9	17
Perry	544	66	12.2	474	87.8	4
Philadelphia	20,510	993	5.1	18,555	94.9	962
Pike	399	59	14.8	339	85.2	1
Potter	164	27	17.6	126	82.4	11
Schuylkill	1,333	293	22.4	1,015	77.6	25
Snyder	399	48	12.2	344	87.8	7
Somerset	623	94	15.2	526	84.8	3
Sullivan	54	11	20.4	43	79.6	0
Susquehanna	359	77	21.8	277	78.2	5
Tioga	401	64	16.0	335	84.0	2
Union	387	35	9.2	344	90.8	8
Venango	430	122	28.4	308	71.6	0
Warren	381	77	20.3	303	79.7	1
Washington	1,972	282	14.5	1,661	85.5	29
Wayne	391	56	14.5	330	85.5	5
Westmoreland	3,008	422	14.2	2,551	85.8	35
Wyoming	240	53	22.3	185	77.7	2
York	4,741	451	9.6	4,271	90.4	19

* 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, 2019

Municipality	Total Births	Birth Rate*	Race				Hispanic Origin
			White	Black	Asian/ Pacific Islander	Multi-Race	
Pennsylvania	134,247	10.5	93,118	18,911	6,272	4,469	16,674
Allentown	2,014	16.6	912	269	42	113	1,366
Altoona	497	11.5	455	22	4	14	6
Bethel Park	283	8.7	248	4	22	3	6
Bethlehem	806	10.6	426	103	36	60	361
Chambersburg	298	14.1	156	35	3	14	120
Chester	503	14.8	56	361	1	30	76
Easton	333	12.2	165	64	9	23	118
Erie	1,275	13.3	664	332	49	136	171
Harrisburg	832	16.9	218	357	24	88	239
Hazleton	489	19.7	159	18	2	11	392
Johnstown	253	13.2	153	81	0	13	11
Lancaster	898	15.2	397	156	43	82	400
Lebanon	397	15.3	276	27	3	15	230
Monroeville	308	11.2	163	67	55	15	4
Murrysville	155	7.9	145	3	4	0	3
New Castle	290	13.4	193	48	2	36	19
Norristown	643	18.7	141	196	15	45	279
Philadelphia	20,510	12.9	6,129	8,436	1,585	749	4,163
Pittsburgh	3,064	10.2	1,619	1,024	232	66	94
Plum	247	9.1	216	22	5	1	3
Pottstown	381	16.9	215	99	6	32	54
Reading	1,628	18.4	472	152	20	88	1,268
Scranton	883	11.5	518	120	59	50	238
State College	118	2.8	71	5	24	6	7
West Mifflin	223	11.3	151	51	4	11	8
Wilkes-Barre	578	14.2	243	139	8	45	209
Williamsport	352	12.5	251	65	2	25	13
York	776	17.7	257	188	6	96	337
All Other Areas	95,213	9.7	78,049	6,467	4,007	2,602	6,479

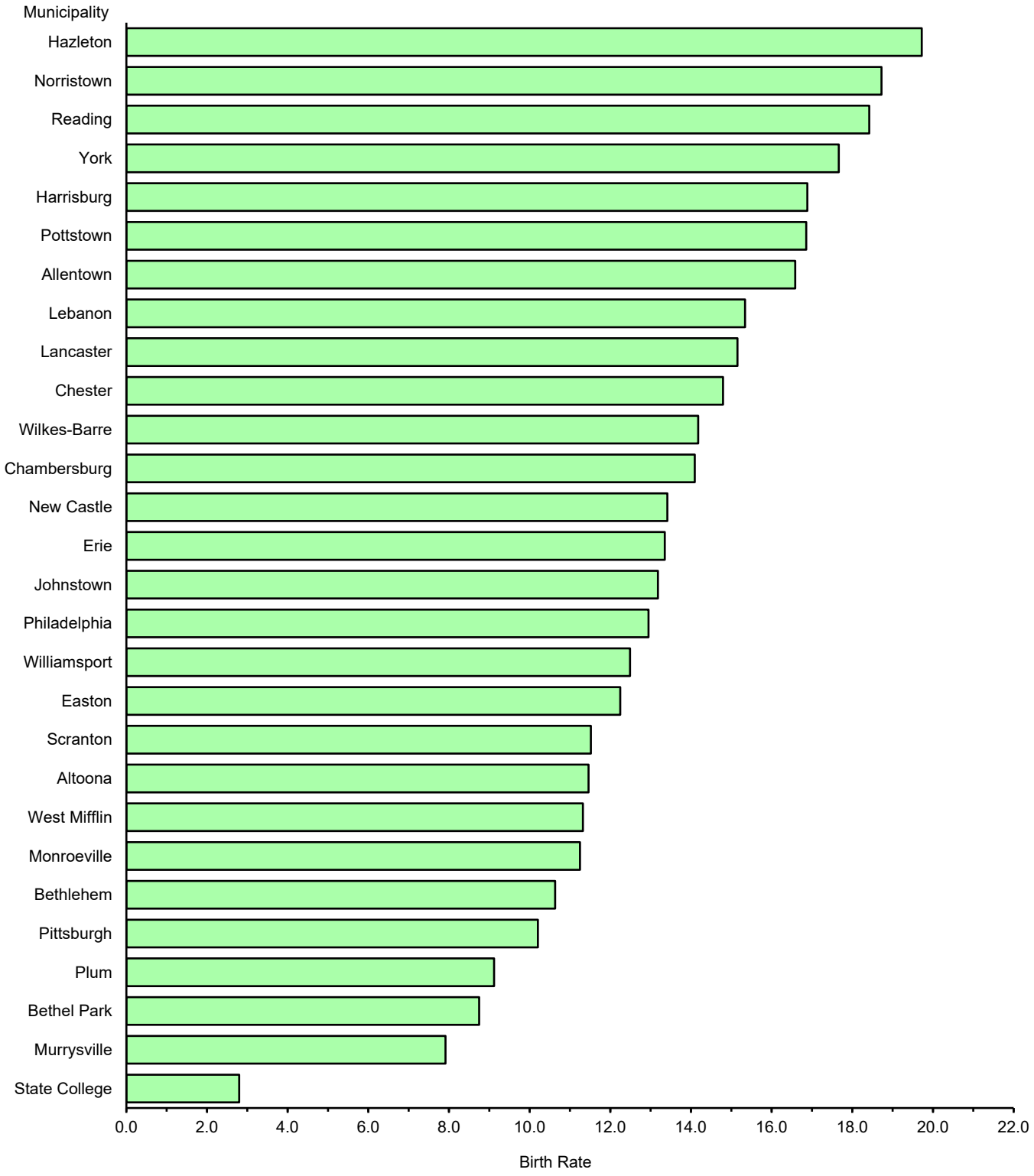
* Birth rate per 1,000 population for each specified area, 2019.

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, 2019



Note: Rate per 1,000 population, 2019. 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, 2015-2019

Municipality	Total Births 2015-2019	Birth Rate*	Race				Hispanic Origin
			White	Black	Asian/ Pacific Islander	Multi-Race	
Pennsylvania	687,778	10.7	481,637	95,585	31,477	22,415	78,539
Allentown	10,020	16.6	4,378	1,405	237	550	6,339
Altoona	2,630	11.9	2,389	96	13	106	46
Bethel Park	1,508	9.4	1,364	18	79	24	29
Bethlehem	4,099	10.9	2,296	436	192	206	1,702
Chambersburg	1,683	16.1	942	180	22	94	564
Chester	2,699	15.9	251	1,984	19	164	382
Easton	1,682	12.4	885	302	38	143	541
Erie	6,811	14.0	3,724	1,592	276	649	809
Harrisburg	4,382	17.8	973	1,969	155	491	1,254
Hazleton	2,539	20.5	763	125	34	60	1,954
Johnstown	1,352	13.8	853	381	9	74	41
Lancaster	4,633	15.6	2,082	677	251	391	2,094
Lebanon	2,056	16.0	1,483	107	20	87	1,110
Monroeville	1,470	10.6	880	278	228	49	29
Murrysville	750	7.6	680	9	45	8	4
New Castle	1,555	14.1	1,144	238	6	143	55
Norristown	3,049	17.7	718	949	59	207	1,296
Philadelphia	105,973	13.4	31,290	44,490	7,956	3,903	20,249
Pittsburgh	16,213	10.7	8,638	5,361	1,283	455	483
Plum	1,286	9.4	1,166	71	24	12	16
Pottstown	1,930	17.0	1,126	452	36	183	247
Reading	8,438	19.1	2,543	780	96	524	6,443
Scranton	4,443	11.5	2,794	475	285	212	1,091
State College	705	3.3	443	21	158	27	42
West Mifflin	1,075	10.8	702	296	10	50	20
Wilkes-Barre	2,656	13.0	1,248	613	57	179	814
Williamsport	1,807	12.6	1,304	298	16	150	66
York	3,948	17.9	1,338	968	51	429	1,584
All Other Areas	486,386	9.9	403,240	31,014	19,822	12,845	29,235

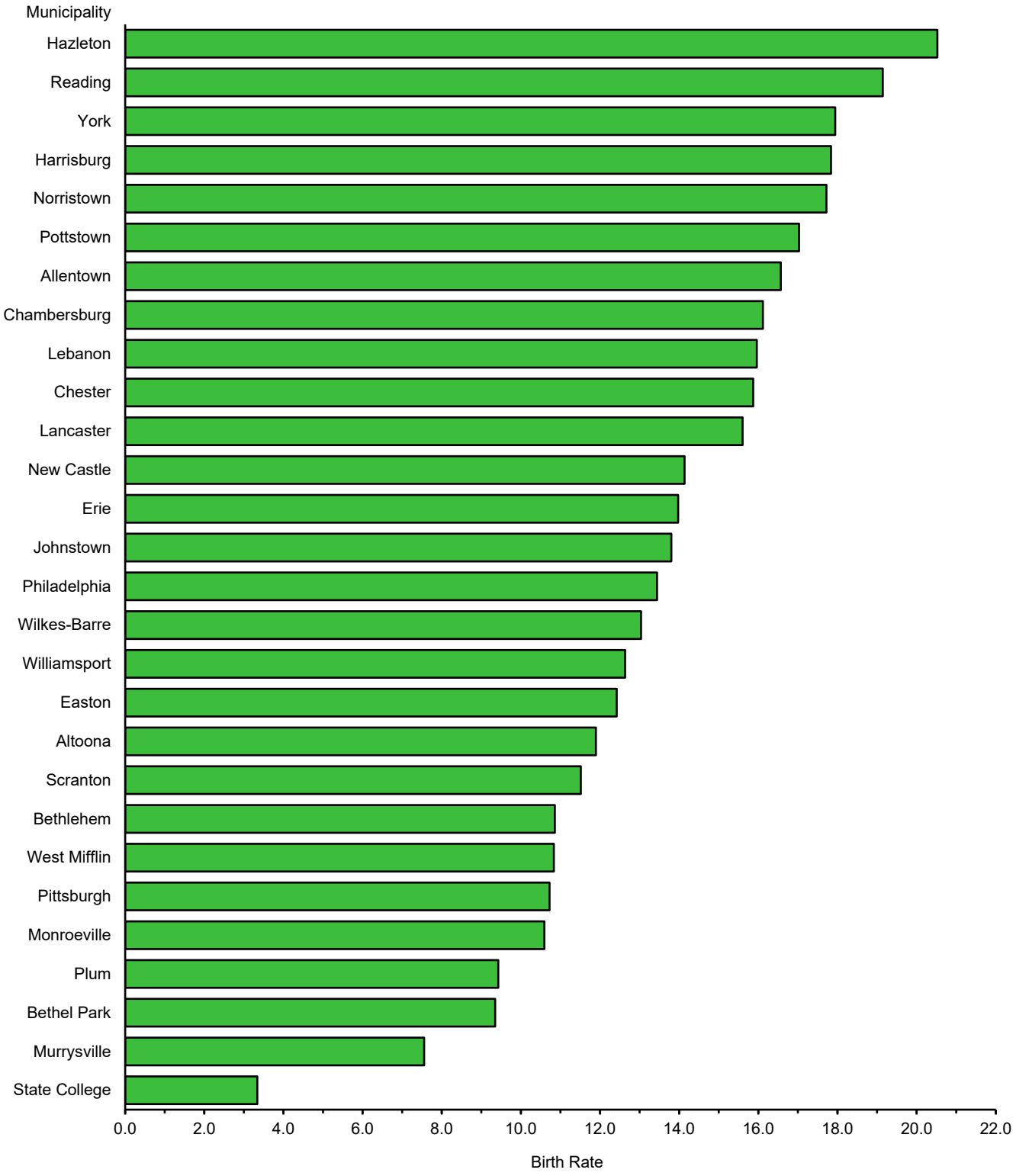
* Birth rate per 1,000 population for each specified area, 2015-2019.

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, 2015-2019



Note: Rate per 1,000 population, 2015-2019. See Table B-34 for corresponding data.

Table B-35
Resident Live Births by Age of Mother for Selected Municipalities
Pennsylvania, 2019

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	134,247	59	5,252	23,021	38,927	42,330	20,480	3,839	324	15
Allentown	2,014	3	168	547	612	414	211	55	4	0
Altoona	497	2	40	127	168	108	47	4	1	0
Bethel Park	283	0	1	13	75	124	62	8	0	0
Bethlehem	806	1	31	157	234	251	107	20	5	0
Chambersburg	298	0	37	73	93	57	30	8	0	0
Chester	503	0	50	129	167	103	41	12	1	0
Easton	333	0	21	60	107	85	50	10	0	0
Erie	1,275	0	120	312	398	306	106	30	3	0
Harrisburg	832	0	83	256	244	155	75	18	1	0
Hazleton	489	0	47	137	150	100	44	10	1	0
Johnstown	253	3	21	80	88	39	15	7	0	0
Lancaster	898	2	72	217	262	218	108	15	4	0
Lebanon	397	1	40	129	122	67	34	4	0	0
Monroeville	308	0	3	51	81	135	31	6	1	0
Murrysville	155	0	0	2	39	70	36	7	1	0
New Castle	290	0	26	77	104	55	26	2	0	0
Norristown	643	2	56	143	203	138	84	15	2	0
Philadelphia	20,510	17	1,089	3,793	5,744	6,025	3,115	674	53	0
Pittsburgh	3,064	4	110	477	787	1,077	518	85	5	1
Plum	247	0	6	32	76	100	31	2	0	0
Pottstown	381	0	21	84	129	102	38	7	0	0
Reading	1,628	2	208	488	471	294	134	30	1	0
Scranton	883	2	62	211	255	219	111	22	1	0
State College	118	0	0	11	31	48	24	3	1	0
West Mifflin	223	0	13	47	58	78	23	4	0	0
Wilkes-Barre	578	0	47	167	181	106	60	17	0	0
Williamsport	352	0	22	94	119	79	29	7	2	0
York	776	0	97	239	228	128	64	17	3	0
All Other Areas	95,213	20	2,761	14,868	27,701	31,649	15,226	2,740	234	14

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, 2019

Municipality	Total Births	Birth Weight: < 1,500 Grams Number	%	1,500 - 2,499 Grams Number	%	2,500 - 3,999 Grams Number	%	4,000 Grams and Over Number	%	Unknown Weight Number
Pennsylvania	134,247	1,931	1.4	9,380	7.0	111,433	83.4	10,884	8.1	619
Allentown	2,014	31	1.5	185	9.2	1,675	83.2	123	6.1	0
Altoona	497	4	ND	34	6.9	412	83.1	46	9.3	1
Bethel Park	283	6	ND	11	3.9	240	85.1	25	8.9	1
Bethlehem	806	18	2.2	62	7.7	674	83.6	52	6.5	0
Chambersburg	298	4	ND	15	5.0	253	84.9	26	8.7	0
Chester	503	17	3.4	53	10.5	417	82.9	16	3.2	0
Easton	333	10	3.0	25	7.5	279	83.8	19	5.7	0
Erie	1,275	24	1.9	130	10.2	1,065	83.7	54	4.2	2
Harrisburg	832	22	2.6	82	9.9	689	82.9	38	4.6	1
Hazleton	489	9	ND	26	5.3	422	86.3	32	6.5	0
Johnstown	253	3	ND	32	12.6	205	81.0	13	5.1	0
Lancaster	898	15	1.7	69	7.7	731	81.4	83	9.2	0
Lebanon	397	8	ND	40	10.1	327	82.4	22	5.5	0
Monroeville	308	3	ND	27	9.0	246	81.7	25	8.3	7
Murrysville	155	2	ND	8	ND	126	83.4	15	9.9	4
New Castle	290	5	ND	27	9.3	242	83.7	15	5.2	1
Norristown	643	11	1.7	53	8.2	528	82.1	51	7.9	0
Philadelphia	20,510	442	2.2	1,911	9.3	16,928	82.6	1,206	5.9	23
Pittsburgh	3,064	51	1.7	255	8.6	2,473	83.5	181	6.1	104
Plum	247	5	ND	14	5.9	199	83.6	20	8.4	9
Pottstown	381	7	ND	31	8.1	319	83.7	24	6.3	0
Reading	1,628	35	2.2	124	7.6	1,368	84.1	100	6.1	1
Scranton	883	20	2.3	64	7.3	732	83.2	64	7.3	3
State College	118	2	ND	6	ND	101	85.6	9	ND	0
West Mifflin	223	5	ND	24	11.2	163	75.8	23	10.7	8
Wilkes-Barre	578	9	ND	56	9.7	487	84.4	25	4.3	1
Williamsport	352	8	ND	22	6.3	282	80.1	40	11.4	0
York	776	15	1.9	84	10.8	625	80.5	52	6.7	0
All Other Areas	95,213	1,140	1.2	5,910	6.2	79,225	83.6	8,485	9.0	453

* 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, 2019

		Highest Education Level Completed										
		Grade 8 Or Less		Grade 9-12 No Diploma		High School Grad/GED		Some College**		College Degree		Unknown
Municipality	Total Births	Number	%	Number	%	Number	%	Number	%	Number	%	Number
Pennsylvania	134,247	4,593	3.5	10,949	8.3	33,943	25.6	33,689	25.4	49,318	37.2	1,755
Allentown	2,014	43	2.2	306	15.6	755	38.4	591	30.1	270	13.7	49
Altoona	497	6	ND	64	12.9	188	38.0	136	27.5	101	20.4	2
Bethel Park	283	2	ND	4	ND	22	7.9	59	21.2	191	68.7	5
Bethlehem	806	13	1.6	65	8.1	221	27.7	263	32.9	237	29.7	7
Chambersburg	298	25	8.4	50	16.9	111	37.5	62	20.9	48	16.2	2
Chester	503	14	2.9	85	17.4	246	50.4	108	22.1	35	7.2	15
Easton	333	7	ND	31	9.4	125	37.8	112	33.8	56	16.9	2
Erie	1,275	42	3.3	238	18.8	438	34.7	341	27.0	205	16.2	11
Harrisburg	832	24	2.9	183	22.5	311	38.2	200	24.6	96	11.8	18
Hazleton	489	24	5.0	92	19.1	185	38.5	125	26.0	55	11.4	8
Johnstown	253	4	ND	38	15.0	142	56.1	55	21.7	14	5.5	0
Lancaster	898	47	5.3	141	15.8	315	35.4	206	23.1	182	20.4	7
Lebanon	397	9	ND	85	21.5	178	44.9	101	25.5	23	5.8	1
Monroeville	308	1	ND	6	ND	59	20.1	83	28.2	145	49.3	14
Murrysville	155	0	ND	2	ND	12	8.2	31	21.1	102	69.4	8
New Castle	290	1	ND	39	13.5	129	44.8	81	28.1	38	13.2	2
Norristown	643	79	12.4	117	18.4	224	35.2	120	18.8	97	15.2	6
Philadelphia	20,510	465	2.3	2,254	11.2	6,201	30.7	5,120	25.4	6,155	30.5	315
Pittsburgh	3,064	16	0.6	161	5.6	736	25.7	614	21.4	1,341	46.8	196
Plum	247	0	ND	6	ND	43	18.1	59	24.9	129	54.4	10
Pottstown	381	4	ND	42	11.1	137	36.1	117	30.8	80	21.1	1
Reading	1,628	55	3.4	423	26.2	614	38.0	441	27.3	81	5.0	14
Scranton	883	28	3.2	141	16.2	306	35.1	243	27.8	155	17.8	10
State College	118	0	ND	2	ND	7	ND	14	11.9	95	80.5	0
West Mifflin	223	0	ND	12	5.6	56	26.0	73	34.0	74	34.4	8
Wilkes-Barre	578	11	1.9	87	15.4	231	40.8	187	33.0	50	8.8	12
Williamsport	352	0	ND	40	11.4	139	39.7	109	31.1	62	17.7	2
York	776	19	2.5	152	19.7	342	44.2	201	26.0	59	7.6	3
All Other Areas	95,213	3,654	3.9	6,083	6.5	21,470	22.8	23,837	25.3	39,142	41.6	1,027

* 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, 2019

		Married						Unmarried					
		Total Married		Age of Mother (In Years)				Total Unmarried		Age of Mother (In Years)			
	Total			19 & Under		Over 19				19 & Under		Over 19	
Municipality	Births	Number	%*	Number	%**	Number	%**	Number	%*	Number	%***	Number	%***
Pennsylvania	134,247	77,559	58.8	281	0.4	77,276	99.6	54,393	41.2	4,986	9.2	49,397	90.8
Allentown	2,014	636	31.7	10	1.6	626	98.4	1,373	68.3	161	11.7	1,212	88.3
Altoona	497	208	41.9	2	ND	206	99.0	288	58.1	40	13.9	248	86.1
Bethel Park	283	236	83.4	0	ND	236	100.0	47	16.6	1	ND	46	97.9
Bethlehem	806	360	44.9	0	ND	360	100.0	441	55.1	32	7.3	409	92.7
Chambersburg	298	124	42.6	2	ND	122	98.4	167	57.4	35	21.0	132	79.0
Chester	503	77	15.7	0	ND	77	100.0	412	84.3	49	11.9	363	88.1
Easton	333	135	41.4	0	ND	135	100.0	191	58.6	21	11.0	170	89.0
Erie	1,275	436	34.2	8	ND	428	98.2	837	65.8	112	13.4	725	86.6
Harrisburg	832	183	22.0	4	ND	179	97.8	648	78.0	79	12.2	569	87.8
Hazleton	489	174	35.6	2	ND	172	98.9	315	64.4	45	14.3	270	85.7
Johnstown	253	46	18.3	0	ND	46	100.0	205	81.7	24	11.7	181	88.3
Lancaster	898	371	41.4	2	ND	369	99.5	526	58.6	72	13.7	454	86.3
Lebanon	397	125	31.6	3	ND	122	97.6	271	68.4	38	14.0	233	86.0
Monroeville	308	200	64.9	0	ND	200	100.0	108	35.1	3	ND	105	97.2
Murrysville	155	143	92.3	0	ND	143	100.0	12	7.7	0	ND	12	100.0
New Castle	290	76	26.2	1	ND	75	98.7	214	73.8	25	11.7	189	88.3
Norristown	643	212	33.1	0	ND	212	100.0	429	66.9	57	13.3	372	86.7
Philadelphia	20,510	8,542	42.0	43	0.5	8,499	99.5	11,773	58.0	1,055	9.0	10,718	91.0
Pittsburgh	3,064	1,623	53.1	4	ND	1,619	99.8	1,436	46.9	110	7.7	1,326	92.3
Plum	247	178	72.1	0	ND	178	100.0	69	27.9	6	ND	63	91.3
Pottstown	381	140	36.7	0	ND	140	100.0	241	63.3	21	8.7	220	91.3
Reading	1,628	412	25.4	5	ND	407	98.8	1,213	74.6	205	16.9	1,008	83.1
Scranton	883	330	37.5	8	ND	322	97.6	549	62.5	56	10.2	493	89.8
State College	118	106	89.8	0	ND	106	100.0	12	10.2	0	ND	12	100.0
West Mifflin	223	115	51.6	0	ND	115	100.0	108	48.4	13	12.0	95	88.0
Wilkes-Barre	578	169	29.5	2	ND	167	98.8	404	70.5	45	11.1	359	88.9
Williamsport	352	115	32.7	1	ND	114	99.1	237	67.3	21	8.9	216	91.1
York	776	181	23.4	1	ND	180	99.4	591	76.6	96	16.2	495	83.8
All Other Areas	95,213	61,906	66.4	183	0.3	61,721	99.7	31,276	33.6	2,564	8.2	28,702	91.8

* 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, 2019

Municipality	Total Births	Trimester in Pregnancy: 1st Trimester Number	1st Trimester %	2nd Trimester Number	2nd Trimester %	3rd Trimester Number	3rd Trimester %	Unknown Number	No Prenatal Visits Number	No Prenatal Visits %
Pennsylvania	134,247	96,430	74.2	23,961	18.4	6,950	5.3	4,235	2,671	2.1
Allentown	2,014	1,441	72.7	390	19.7	131	6.6	33	19	1.0
Altoona	497	403	81.9	71	14.4	13	2.6	5	5	ND
Bethel Park	283	234	87.0	28	10.4	7	ND	14	0	ND
Bethlehem	806	642	80.1	117	14.6	32	4.0	5	10	1.2
Chambersburg	298	210	72.4	61	21.0	18	6.2	8	1	ND
Chester	503	302	61.5	129	26.3	36	7.3	12	24	4.9
Easton	333	227	69.0	67	20.4	27	8.2	4	8	ND
Erie	1,275	968	76.8	215	17.0	71	5.6	14	7	ND
Harrisburg	832	500	64.4	197	25.4	61	7.9	56	18	2.3
Hazleton	489	284	59.0	154	32.0	36	7.5	8	7	ND
Johnstown	253	179	71.3	51	20.3	17	6.8	2	4	ND
Lancaster	898	643	72.3	189	21.3	55	6.2	9	2	ND
Lebanon	397	251	64.4	91	23.3	43	11.0	7	5	ND
Monroeville	308	271	90.6	16	5.4	7	ND	9	5	ND
Murrysville	155	138	92.0	9	ND	3	ND	5	0	ND
New Castle	290	199	72.6	63	23.0	10	3.6	16	2	ND
Norristown	643	357	58.4	194	31.8	38	6.2	32	22	3.6
Philadelphia	20,510	12,056	61.8	4,323	22.1	1,561	8.0	989	1,581	8.1
Pittsburgh	3,064	2,454	87.5	265	9.5	76	2.7	260	9	ND
Plum	247	212	90.2	17	7.2	6	ND	12	0	ND
Pottstown	381	249	66.4	85	22.7	30	8.0	6	11	2.9
Reading	1,628	1,156	72.2	346	21.6	81	5.1	26	19	1.2
Scranton	883	582	68.7	212	25.0	45	5.3	36	8	ND
State College	118	92	80.0	11	9.6	11	9.6	3	1	ND
West Mifflin	223	189	87.1	16	7.4	10	4.6	6	2	ND
Wilkes-Barre	578	301	54.0	189	33.9	50	9.0	21	17	3.1
Williamsport	352	271	78.1	58	16.7	14	4.0	5	4	ND
York	776	487	63.8	227	29.8	41	5.4	13	8	ND
All Other Areas	95,213	71,132	76.8	16,170	17.5	4,420	4.8	2,619	872	0.9

* 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, 2019

Municipality	Total Births	Smoking Status During Pregnancy: Yes Number	Yes %	No Number	No %	Unknown Number
Pennsylvania	134,247	12,476	9.5	119,215	90.5	2,556
Allentown	2,014	171	8.7	1,797	91.3	46
Altoona	497	103	20.7	394	79.3	0
Bethel Park	283	15	5.3	268	94.7	0
Bethlehem	806	67	8.4	731	91.6	8
Chambersburg	298	30	10.5	257	89.5	11
Chester	503	62	13.8	386	86.2	55
Easton	333	39	11.9	289	88.1	5
Erie	1,275	238	18.7	1,035	81.3	2
Harrisburg	832	111	13.5	714	86.5	7
Hazleton	489	19	3.9	463	96.1	7
Johnstown	253	91	36.1	161	63.9	1
Lancaster	898	67	7.5	828	92.5	3
Lebanon	397	49	12.5	344	87.5	4
Monroeville	308	8	ND	297	97.4	3
Murrysville	155	5	ND	147	96.7	3
New Castle	290	93	32.2	196	67.8	1
Norristown	643	49	7.8	577	92.2	17
Philadelphia	20,510	993	5.1	18,555	94.9	962
Pittsburgh	3,064	277	9.2	2,724	90.8	63
Plum	247	13	5.3	231	94.7	3
Pottstown	381	64	16.9	314	83.1	3
Reading	1,628	118	7.3	1,490	92.7	20
Scranton	883	142	16.3	730	83.7	11
State College	118	3	ND	113	97.4	2
West Mifflin	223	18	8.3	200	91.7	5
Wilkes-Barre	578	93	17.0	453	83.0	32
Williamsport	352	93	27.0	252	73.0	7
York	776	89	11.5	686	88.5	1
All Other Areas	95,213	9,356	10.0	84,583	90.0	1,274

* 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, 1960-2019

Year	Total Deaths Number	Live Births Number	Infant Deaths Number	Neonatal Deaths Number	Maternal Deaths Number
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, 1960-2019

	Total Death Rate		Live Birth Rate		Infant Mortality Rate		Neonatal Mortality Rate		Maternal Mortality Rate	
Year	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.
2019	10.5	NA	10.5	11.4	5.9	NA	4.1	NA	13.4	NA
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.

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, 1950-2019

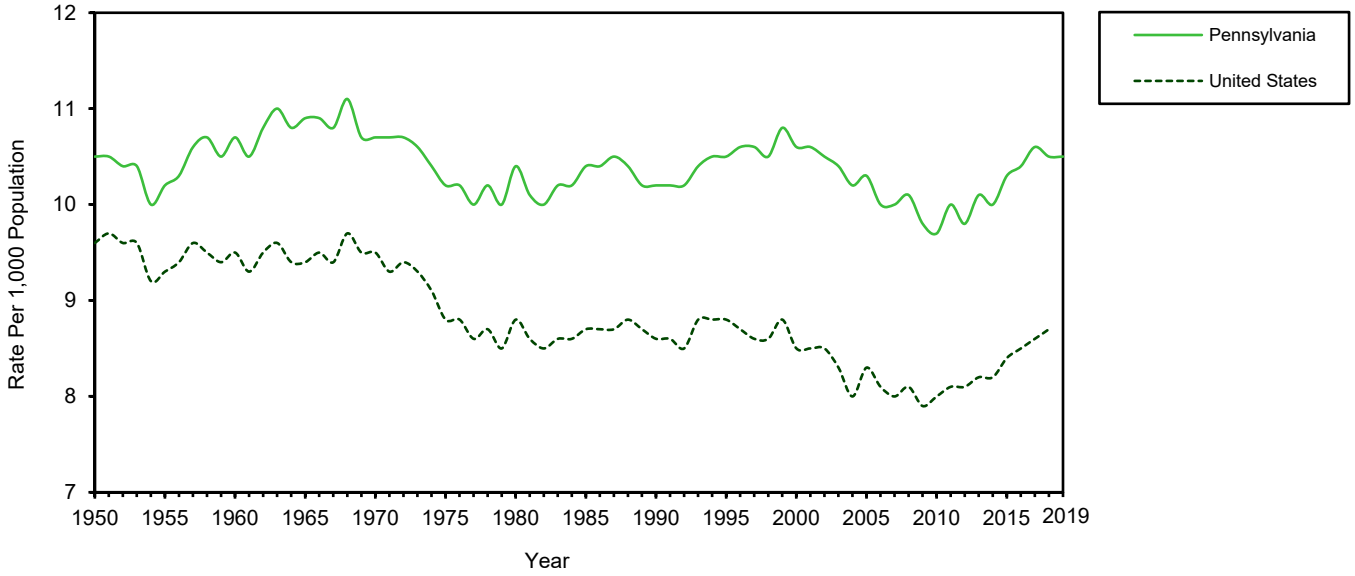


Figure C-2
Infant and Neonatal Mortality Rates
Pennsylvania and United States, 1950-2019

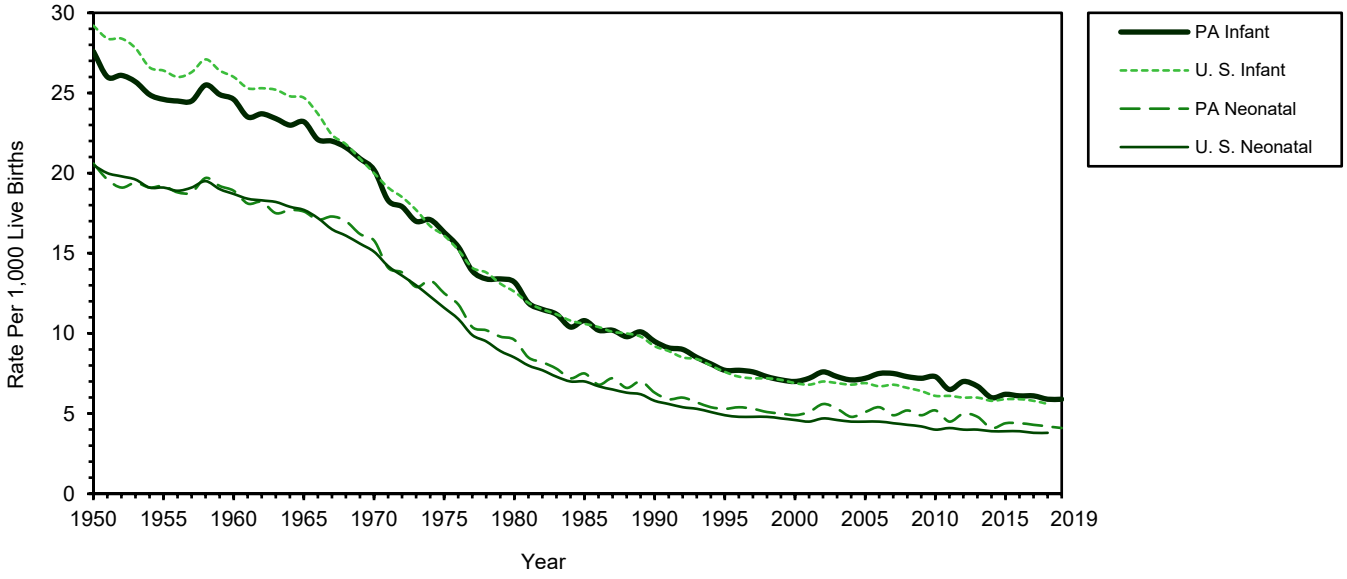
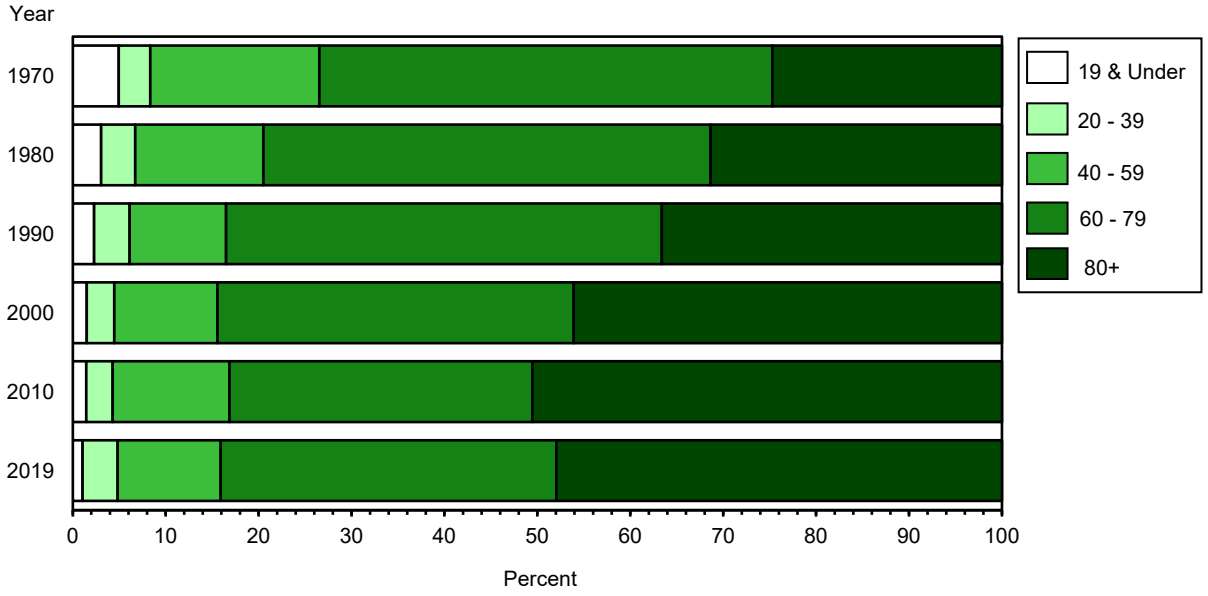


Table C-3
Resident Deaths by Age Group, Number and Rate*
Pennsylvania, 2019, 2010, 2000, 1990, 1980, 1970

Age Group	2019		2010		2000		1990		1980		1970	
(In Years)	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Ages	133,932	10.5	123,473	9.7	130,092	10.6	121,081	10.2	123,233	10.4	126,564	10.7
Under 5	909	1.3	1,162	1.6	1,185	1.6	1,914	2.4	2,435	3.3	4,430	4.8
5 - 9	92	0.1	69	0.1	137	0.2	164	0.2	222	0.3	468	0.4
10 - 14	109	0.1	106	0.1	147	0.2	164	0.2	229	0.2	424	0.4
15 - 19	324	0.4	458	0.5	505	0.6	538	0.7	879	0.8	945	0.9
20 - 24	763	1.0	829	0.9	707	0.9	785	0.9	1,251	1.2	1,104	1.3
25 - 29	1,199	1.4	817	1.0	692	0.9	1,048	1.1	1,058	1.1	863	1.2
30 - 34	1,429	1.7	807	1.1	945	1.1	1,328	1.3	1,069	1.3	934	1.5
35 - 39	1,645	2.1	1,059	1.4	1,497	1.6	1,478	1.6	1,154	1.7	1,398	2.2
40 - 44	1,670	2.3	1,719	2.0	2,338	2.3	1,870	2.3	1,573	2.7	2,625	3.5
45 - 49	2,508	3.2	3,111	3.3	3,062	3.4	2,409	3.7	2,714	4.5	4,372	5.6
50 - 54	4,033	4.9	4,703	4.8	4,070	5.1	3,191	5.7	4,868	7.0	6,630	9.0
55 - 59	6,635	7.3	5,978	6.8	4,970	8.0	5,092	9.2	7,826	11.0	9,412	14.3
60 - 64	9,311	10.4	7,527	10.1	6,458	12.6	8,991	14.8	11,226	17.7	12,115	21.6
65 - 69	10,746	14.2	8,669	15.7	9,021	18.8	12,893	21.8	14,379	26.8	14,393	32.6
70 - 74	13,274	22.2	10,336	24.2	14,377	29.4	16,270	33.9	16,533	40.6	16,871	48.3
75 - 79	15,067	35.9	13,715	37.9	20,028	47.4	18,619	51.5	17,174	60.9	18,313	74.3
80 - 84	17,267	60.0	19,301	61.9	21,927	75.6	17,990	79.6	16,393	93.7	15,772	109.5
85 +	46,946	141.4	43,095	141.0	38,026	160.1	26,337	153.3	22,250	171.2	15,495	169.2
Unknown	5	-	12	-	**		**		**		**	

* Rate per 1,000 population in each age group.
**Unknown age included in the 85+ year age group for 1970, 1980, 1990, and 2000.

Figure C-3
Resident Deaths, Percent by Age Group
Pennsylvania, 1970, 1980, 1990, 2000, 2010, and 2019



Note: Unknowns excluded from calculations for 2010 and 2019.

Figure C-4
Vital Events Summary Chart

The following figures represent an average day of vital events in 2019 for Pennsylvania residents:

Population as of July 1, 2019	12,801,989
	Number Per Day
Live Births	368
Abortions	79
Deaths	367
By Cause of Death*	Number Per Day
Diseases of Heart	88
Cancer	76
Accidents	23
Nontransport Accidents	20
Motor Vehicle Accidents	3
Cerebrovascular Disease	18
Chronic Lower Respiratory Disease	17
Alzheimer's Disease	11
Diabetes Mellitus	10
Nephritis, Nephrotic Syndrome & Nephrosis	8
Influenza & Pneumonia	7
Septicemia	6
Intentional Self-harm (Suicide)	5
Chronic Liver Disease and Cirrhosis	4
Parkinson's Disease	4
All Other Causes	87

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

Table C-4A
Resident Deaths by Age and Sex, Number and Rate*
Pennsylvania, 2019

Age Group	Total**		Male		Female	
(In Years)	Number	Rate	Number	Rate	Number	Rate
All Ages	133,932	10.5	66,994	10.7	66,938	10.3
Under 5	909	1.3	527	1.5	382	1.1
5 - 9	92	0.1	59	0.2	33	0.1
10 - 14	109	0.1	71	0.2	38	0.1
15 - 19	324	0.4	210	0.5	114	0.3
20 - 24	763	1.0	568	1.4	195	0.5
25 - 29	1,199	1.4	875	2.0	324	0.8
30 - 34	1,429	1.7	997	2.3	432	1.0
35 - 39	1,645	2.1	1,065	2.7	580	1.5
40 - 44	1,670	2.3	1,083	3.0	587	1.6
45 - 49	2,508	3.2	1,569	4.1	939	2.4
50 - 54	4,033	4.9	2,452	6.0	1,581	3.7
55 - 59	6,635	7.3	4,063	9.2	2,572	5.5
60 - 64	9,311	10.4	5,606	13.0	3,705	8.0
65 - 69	10,746	14.2	6,348	17.7	4,398	11.1
70 - 74	13,274	22.2	7,450	26.9	5,824	18.1
75 - 79	15,067	35.9	7,986	43.2	7,081	30.2
80 - 84	17,267	60.0	8,510	71.9	8,757	51.7
85 +	46,946	141.4	17,551	155.6	29,395	134.0
Unknown	5	ND	4	ND	1	ND

* Rate per 1,000 population for each specified age group and sex, 2019.
**Total includes any unknown sex.

Table C-4B

Resident Deaths by Age and Sex - White Race

Number and Rate*: Pennsylvania, 2019

Age Group	Total**		Male		Female	
(In Years)	Number	Rate	Number	Rate	Number	Rate
All Ages	116,993	11.2	58,244	11.3	58,749	11.1
Under 5	494	0.9	295	1.1	199	0.8
5 - 9	52	0.1	34	0.1	18	0.1
10 - 14	73	0.1	43	0.1	30	0.1
15 - 19	222	0.4	137	0.4	85	0.3
20 - 24	492	0.8	354	1.1	138	0.5
25 - 29	856	1.3	608	1.8	248	0.8
30 - 34	1,061	1.6	730	2.1	331	1.0
35 - 39	1,234	2.0	801	2.5	433	1.4
40 - 44	1,237	2.1	813	2.8	424	1.5
45 - 49	1,919	3.0	1,196	3.8	723	2.3
50 - 54	3,155	4.5	1,935	5.6	1,220	3.5
55 - 59	5,328	6.8	3,308	8.6	2,020	5.1
60 - 64	7,649	9.8	4,665	12.2	2,984	7.4
65 - 69	9,037	13.5	5,412	16.9	3,625	10.4
70 - 74	11,517	21.5	6,487	25.8	5,030	17.6
75 - 79	13,409	35.4	7,182	42.7	6,227	29.6
80 - 84	15,672	60.1	7,799	72.2	7,873	51.6
85 +	43,582	143.0	16,442	157.3	27,140	135.5
Unknown	4	ND	3	ND	1	ND

* Rate per 1,000 white population for each specified age group and sex, 2019.

** 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, 2019

Age Group	Total**		Male		Female	
(In Years)	Number	Rate	Number	Rate	Number	Rate
All Ages	12,973	8.4	6,569	8.8	6,404	8.0
Under 5	274	2.6	152	2.8	122	2.3
5 - 9	23	0.2	16	0.3	7	ND
10 - 14	21	0.2	17	0.3	4	ND
15 - 19	74	0.6	52	0.9	22	0.4
20 - 24	189	1.6	153	2.5	36	0.6
25 - 29	250	1.8	190	2.7	60	0.9
30 - 34	256	2.2	178	3.1	78	1.3
35 - 39	281	2.8	180	3.7	101	2.0
40 - 44	319	3.6	194	4.5	125	2.7
45 - 49	431	4.8	267	6.2	164	3.5
50 - 54	681	7.5	400	9.3	281	5.9
55 - 59	1,045	11.5	587	13.9	458	9.3
60 - 64	1,346	16.5	760	20.6	586	13.1
65 - 69	1,370	21.9	749	28.0	621	17.4
70 - 74	1,392	31.1	755	41.3	637	24.0
75 - 79	1,257	42.2	590	52.0	667	36.1
80 - 84	1,187	59.3	524	73.2	663	51.5
85 +	2,577	120.9	805	133.6	1,772	115.9
Unknown	0	ND	0	ND	0	ND

* Rate per 1,000 black population for each specified age group and sex, 2019.

** 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, 2019

Age Group	Total**		Male		Female	
(In Years)	Number	Rate	Number	Rate	Number	Rate
All Ages	1,222	2.5	621	2.6	601	2.4
Under 5	21	0.7	12	0.8	9	ND
5 - 9	3	ND	2	ND	1	ND
10 - 14	3	ND	1	ND	2	ND
15 - 19	4	ND	3	ND	1	ND
20 - 24	15	0.4	10	0.5	5	ND
25 - 29	10	0.2	5	ND	5	ND
30 - 34	13	0.3	12	0.5	1	ND
35 - 39	14	0.3	9	ND	5	ND
40 - 44	22	0.6	14	0.8	8	ND
45 - 49	30	0.9	18	1.1	12	0.7
50 - 54	54	1.9	31	2.3	23	1.5
55 - 59	49	1.9	33	2.8	16	1.2
60 - 64	80	3.7	42	4.3	38	3.2
65 - 69	99	5.6	52	6.5	47	4.9
70 - 74	111	8.7	62	10.5	49	7.1
75 - 79	163	18.9	87	21.4	76	16.6
80 - 84	165	31.8	76	32.5	89	31.3
85+	366	84.1	152	87.1	214	82.1
Unknown	0	-	0	-	0	-

* Rate per 1,000 Asian/Pacific Islander population for each specified age group and sex, 2019.
** 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, 2019

Age Group	Total**		Male		Female	
(In Years)	Number	Rate	Number	Rate	Number	Rate
All Ages	236	0.9	120	0.9	116	0.8
Under 5	31	0.9	14	0.8	17	0.9
5 - 9	4	ND	2	ND	2	ND
10 - 14	3	ND	3	ND	0	ND
15 - 19	4	ND	3	ND	1	ND
20 - 24	12	0.5	8	ND	4	ND
25 - 29	7	ND	5	ND	2	ND
30 - 34	5	ND	4	ND	1	ND
35 - 39	9	ND	5	ND	4	ND
40 - 44	7	ND	4	ND	3	ND
45 - 49	7	ND	4	ND	3	ND
50 - 54	10	1.2	7	ND	3	ND
55 - 59	15	2.1	5	ND	10	2.6
60 - 64	19	3.1	9	ND	10	3.0
65 - 69	16	3.5	10	4.8	6	ND
70 - 74	20	6.5	11	8.2	9	ND
75 - 79	15	7.7	9	ND	6	ND
80 - 84	17	13.8	8	ND	9	ND
85 +	35	32.4	9	ND	26	34.9
Unknown	0	-	0	-	0	-

* Rate per 1,000 Multi-Race population for each specified age group and sex, 2019.
**Total includes any unknown sex.

Notes: Starting in 2013, the categortization 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, 2019

Age Group	Total**		Male		Female	
(In Years)	Number	Rate	Number	Rate	Number	Rate
All Ages	3,078	3.1	1,758	3.5	1,320	2.7
Under 5	111	1.2	51	1.0	60	1.3
5 - 9	7	ND	4	ND	3	ND
10 - 14	15	0.2	12	0.2	3	ND
15 - 19	35	0.4	25	0.6	10	0.2
20 - 24	87	1.0	68	1.6	19	0.5
25 - 29	101	1.2	85	1.9	16	0.4
30 - 34	115	1.4	88	2.1	27	0.7
35 - 39	145	1.9	93	2.4	52	1.4
40 - 44	129	2.0	87	2.6	42	1.3
45 - 49	150	2.6	106	3.7	44	1.6
50 - 54	177	3.6	105	4.4	72	2.9
55 - 59	233	5.7	146	7.3	87	4.2
60 - 64	261	8.4	163	10.9	98	6.1
65 - 69	241	11.2	140	14.0	101	8.8
70 - 74	282	17.9	153	21.7	129	14.8
75 - 79	250	26.3	136	32.9	114	21.2
80 - 84	271	44.3	122	47.0	149	42.2
85+	467	81.9	173	81.5	294	82.2
Unknown	1	-	1	-	0	-

* Rate per 1,000 Hispanic population for each specified age group and sex, 2019.

** Total includes any unknown sex.

Notes: Hispanic origin can be of any race.

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

Table C-5

Age-Adjusted Death Rates* by Sex

Pennsylvania Residents, 1970, 1975-2019

Year	Total	Male**	Female
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 - 2019.

Figure C-5

Age-Adjusted Death Rates by Sex

Pennsylvania Residents, 1970-2019

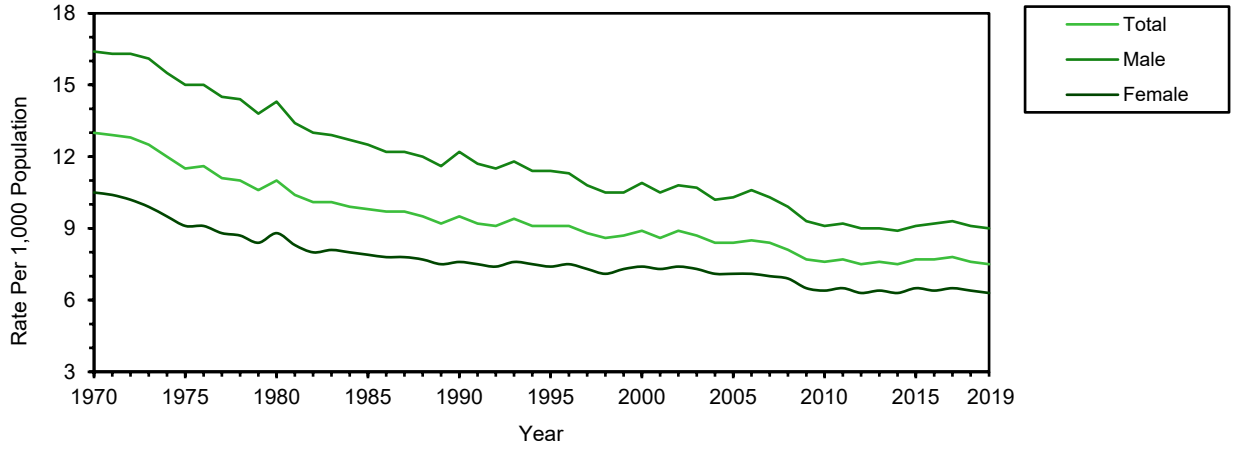


Table C-6

Age-Adjusted Death Rates* by Race^ and Hispanic Origin
Pennsylvania Residents, 1980, 1985-2019

	Race					
Year	All Races	White**	Black	Asian/ Pacific Islander	Multi-Race	Hispanic Origin
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.

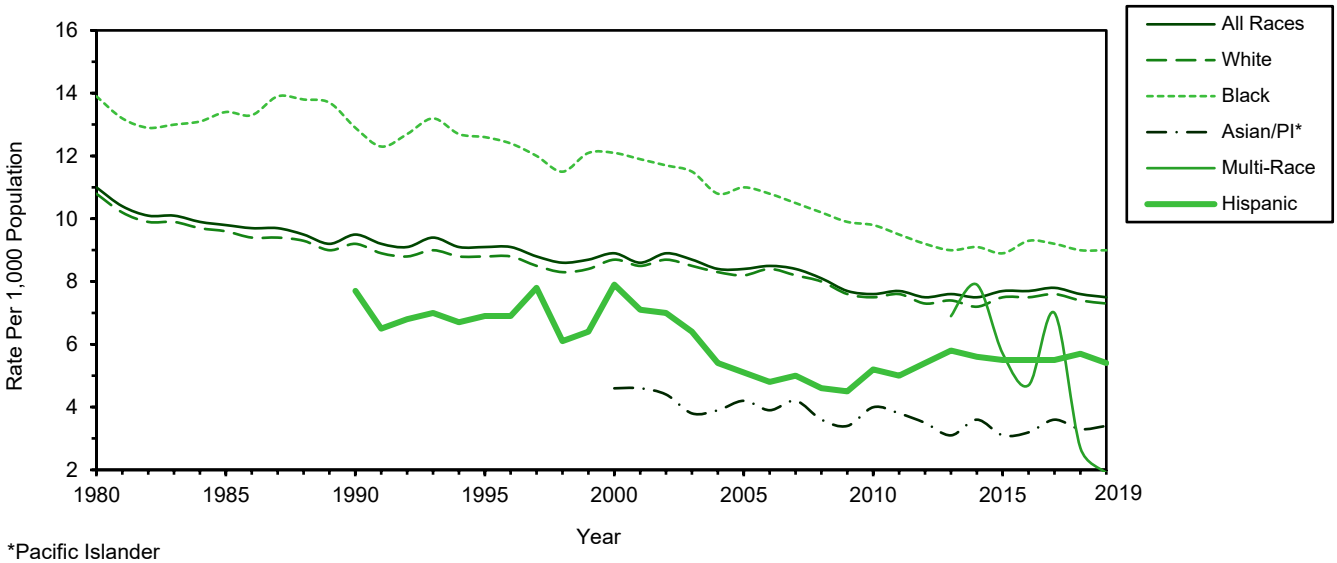
** Unknown race included in the white category for 1980-2001.

^ 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 2002-2019.
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, 1980-2019



*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, 1995-2019

	Infant Deaths				Neonatal Deaths				Postneonatal Deaths			
Year	All Races	White*	Black	Hispanic Origin	All Races	White*	Black	Hispanic Origin	All Races	White*	Black	Hispanic Origin
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, 1995-2019

	Infant Deaths				Neonatal Deaths				Postneonatal Deaths			
Year	All Races	White*	Black	Hispanic Origin	All Races	White*	Black	Hispanic Origin	All Races	White*	Black	Hispanic Origin
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 2002-2019.

** 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, 1980-2019

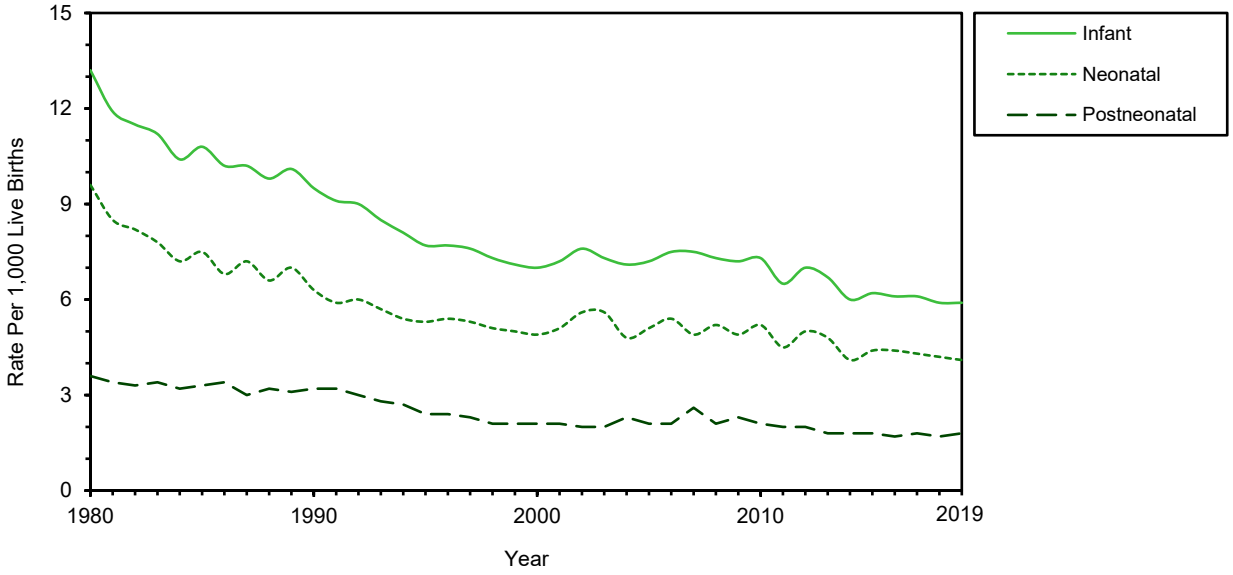
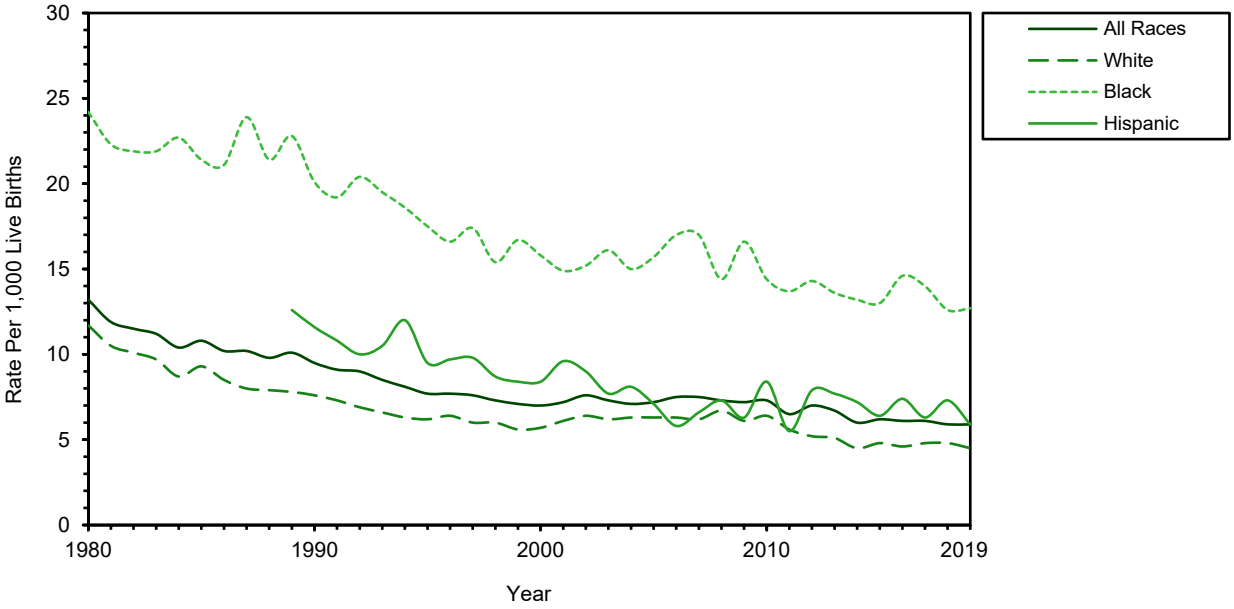


Figure C-7B
Resident Infant Mortality Rates by Race and Hispanic Origin Pennsylvania, 1980-2019



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

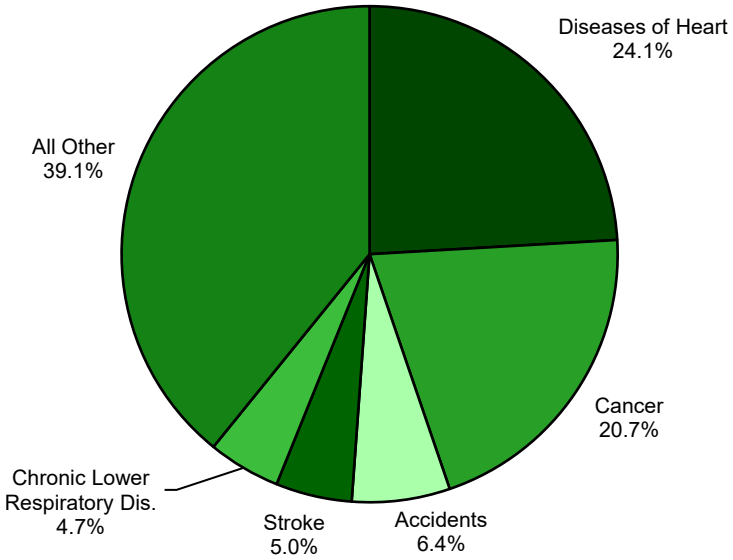
Pennsylvania Residents, 2019, 2010, 2000, 1990, 1980, 1970

Cause of Death*	2019		2010		2000		1990		1980		1970	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank
All Causes	133,932		123,473		130,092		121,081		123,233		126,564	
Diseases of Heart	32,250	1	31,274	1	40,446	1	43,204	1	50,677	1	52,476	1
Cancer (Malignant Neoplasms)	27,703	2	28,809	2	29,989	2	29,677	2	26,040	2	22,013	2
Accidents	8,564	3	5,607	5	4,500	5	4,001	5	4,586	4	5,336	4
Cerebrovascular Disease	6,645	4	6,629	3	8,885	3	7,678	3	9,539	3	12,573	3
Chronic Lower Respiratory Disease	6,337	5	6,164	4	6,045	4	4,487	4	3,263	5	**	
Alzheimer's Disease	4,151	6	3,566	6	2,533	10	615		**		**	
Diabetes Mellitus	3,652	7	3,184	7	3,781	6	3,082	7	2,599	7	2,819	6
Nephritis, Nephrotic Syndrome, and Nephrosis	2,966	8	3,028	8	2,675	8	1,398	10	1,109		530	
Influenza & Pneumonia	2,472	9	2,289	9	3,047	7	3,876	6	2,869	6	3,466	5
Septicemia	2,282	10	2,212	10	2,573	9	1,705	8	803		215	
Intentional Self-harm (Suicide)	1,887		1,547		1,348		1,446	9	1,317	10	1,337	10
Chronic Liver Disease and Cirrhosis	1,474		1,180		1,079		1,232		1,625	9	1,846	9
Perinatal Conditions	424		561		552		824		1,194		2,391	7
Atherosclerosis	189		305		644		756		1,837	8	2,320	8
All Other	32,936		27,118		21,995		17,100		15,775		19,242	

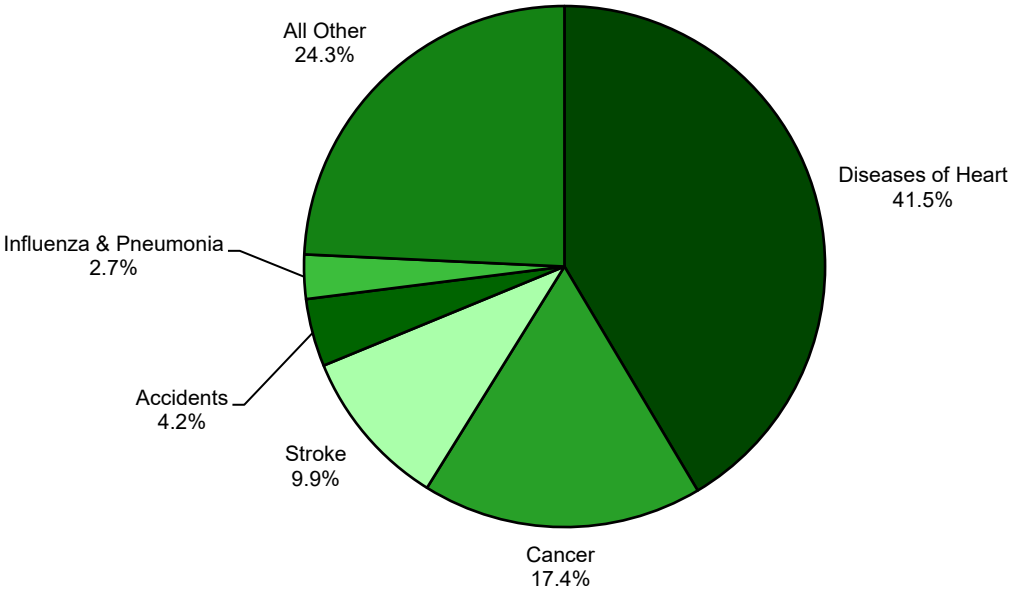
* 2000, 2010 and 2019 data based on the International Classification of Diseases, Tenth Revision.
1990 and 1980 data based on the International Classification of Diseases, Ninth Revision.
1970 data based on the International Classification of Diseases, Eighth Revision.

**Data not available or comparable.

Figure C-8
Resident Deaths, Percent by Selected Leading Causes
Pennsylvania, 2019 and 1970



2019



1970

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 1995-2019

	Median Age at Death					
Year	All Races	White*	Black	Asian/ Pacific Islander	Multi-Race	Hispanic Origin
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 2002-2019. 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 1995-2019

	Median Age at Death											
	All Races		White**		Black		Asian/ Pacific Islander		Multi-Race		Hispanic Origin	
Year	Males*	Females	Males*	Females	Males*	Females	Males*	Females	Males*	Females	Males*	Females
2019	75.4	82.8	76.6	83.7	65.9	74.4	75.2	80.1	56.6	63.8	60.3	71.1
2018	75.3	83.1	76.4	83.9	66.0	74.8	72.3	78.8	65.3	76.8	60.1	70.0
2017	75.0	83.1	76.3	84.0	65.8	74.3	73.4	78.3	69.9	77.6	59.4	71.7
2016	75.1	83.2	76.4	84.1	65.7	74.3	73.2	78.0	66.1	73.0	60.3	68.9
2015	75.6	83.5	76.9	84.3	65.9	74.8	74.0	77.4	65.5	79.1	60.6	72.0
2014	75.7	83.6	77.1	84.3	65.6	75.1	71.8	76.9	67.5	80.4	60.6	70.5
2013	76.1	83.7	77.4	84.4	65.7	74.4	71.7	78.3	66.0	74.1	60.4	69.9
2012	76.2	83.6	77.5	84.3	65.1	74.2	69.4	76.5	NA	NA	58.8	69.8
2011	76.3	83.5	77.4	84.1	64.6	74.6	68.8	76.7	NA	NA	57.7	70.4
2010	76.1	83.3	77.3	83.9	64.5	75.5	69.8	76.8	NA	NA	58.8	68.7
2009	76.3	83.0	77.3	83.6	64.9	74.5	69.8	75.3	NA	NA	59.5	65.6
2008	76.5	83.1	77.5	83.6	64.6	75.2	68.0	74.2	NA	NA	56.0	66.4
2007	76.4	82.8	77.4	83.4	63.6	74.9	69.0	76.7	NA	NA	57.0	65.6
2006	76.0	82.6	77.0	83.2	63.7	74.7	64.8	74.0	NA	NA	54.7	66.7
2005	76.3	82.5	77.2	83.1	64.1	75.3	67.1	74.2	NA	NA	54.1	66.5
2004	76.1	82.4	76.9	82.9	64.7	74.6	66.4	71.8	NA	NA	56.6	63.3
2003	76.0	82.1	76.8	82.6	65.2	75.1	70.4	71.1	NA	NA	56.5	66.8
2002	75.9	82.0	76.7	82.5	65.5	74.5	65.2	71.7	NA	NA	56.1	67.2
2001	75.8	81.7	76.5	82.2	66.0	74.7	64.5	71.2	NA	NA	54.9	65.4
2000	75.6	81.7	76.4	82.2	66.3	74.6	64.0	73.6	NA	NA	58.4	67.7
1999	75.4	81.5	76.1	82.0	66.0	74.4	63.5	68.8	NA	NA	55.8	67.8
1998	75.2	81.1	75.9	81.6	66.4	74.3	63.1	66.8	NA	NA	57.2	68.1
1997	74.5	80.9	75.4	81.4	65.0	73.1	62.5	68.8	NA	NA	54.5	67.9
1996	74.3	80.7	75.0	81.3	64.5	72.6	63.3	68.2	NA	NA	54.0	64.4
1995	73.9	80.4	74.8	80.9	64.1	73.3	63.7	66.8	NA	NA	47.1	67.3
1990	72.6	78.8	73.4	79.4	63.8	71.1	62.4	63.1	NA	NA	56.5	66.6
1985	71.5	78.0	72.1	78.6	64.6	70.6	62.8	62.4	NA	NA	NA	NA
1980	70.3	76.8	70.8	77.4	63.4	68.5	65.7	53.5	NA	NA	NA	NA

* 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 2002-2019. 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, 2019

	Median Age at Death											
	All Races			White			Black			Hispanic Origin		
Cause of Death	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Causes	79.1	75.4	82.8	80.3	76.6	83.7	69.7	65.9	74.4	64.5	60.3	71.1
Diseases of Heart	82.5	78.2	86.4	83.5	79.5	87.2	72.6	68.4	77.2	72.6	68.3	76.4
Cancer (Malignant Neoplasms)	74.1	73.4	74.8	74.7	74.0	75.5	70.2	70.2	70.5	66.8	66.4	66.9
Accidents	54.0	50.6	62.3	55.2	51.3	66.1	51.5	51.3	52.6	40.7	40.2	44.1
Nontransport Accidents	54.6	51.1	63.4	55.8	51.5	68.0	52.6	52.3	53.5	42.7	41.6	45.3
Motor Vehicle Accidents	49.1	47.0	55.5	51.7	49.1	59.2	37.6	37.8	36.7	29.3	28.1	31.6
Other Transport Accidents	54.1	54.2	49.6	55.1	55.7	ND	39.9	ND	ND	ND	ND	ND
Cerebrovascular Disease	84.4	80.8	86.8	85.1	81.7	87.3	77.3	73.1	81.9	76.2	71.2	83.5
Chronic Lower Respiratory Dis.	79.1	77.8	80.2	79.5	78.3	80.5	73.7	73.2	74.4	73.7	65.4	74.2
Alzheimer's Disease	89.2	87.5	89.9	89.3	87.5	90.1	87.9	85.8	88.1	84.0	87.1	82.5
Diabetes Mellitus	75.7	73.3	78.3	76.7	74.4	79.6	68.8	65.8	71.8	71.3	66.2	76.5
Nephritis, Nephrotic Syndrome, and Nephrosis	81.8	80.8	82.7	82.8	81.9	84.0	74.2	72.2	76.0	71.4	74.5	68.5
Influenza & Pneumonia	83.6	81.9	85.2	84.1	82.5	85.9	75.0	71.8	77.7	71.7	69.1	83.6
Septicemia	78.0	76.6	79.6	78.9	77.5	80.6	71.7	70.9	74.5	70.9	66.0	72.3
Intentional Self-harm (Suicide)	49.7	50.3	47.4	51.3	52.0	48.6	36.8	36.9	36.0	31.7	32.1	27.9
Parkinson's Disease	84.3	83.2	85.3	84.4	83.3	85.4	81.6	81.6	82.5	82.8	80.9	ND
Chronic Liver Dis. and Cirrhosis	63.2	62.7	64.1	63.3	62.7	64.6	63.5	65.1	61.7	63.5	62.2	72.8
Essential Hypertension/H.R.D.*	84.0	78.0	87.5	85.0	79.3	88.2	74.2	67.4	83.7	77.2	69.3	78.9
In Situ, Benign, and Uncertain Neoplasms	81.0	79.3	82.4	81.4	79.4	82.6	76.0	75.0	78.2	76.0	76.8	ND

* 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, 2019

	Age-Adjusted Rate											
	All Races			White			Black			Hispanic Origin		
Cause of Death	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Causes	750.6	895.0	630.6	730.8	869.0	615.3	898.8	1106.4	743.8	541.2	636.1	454.0
Diseases of Heart	172.7	218.6	136.6	168.0	212.7	132.6	220.8	289.9	173.2	103.9	127.2	85.0
Cancer (Malignant Neoplasms)	153.2	181.1	133.1	150.8	179.1	130.1	177.0	206.8	160.0	102.0	115.8	91.1
Accidents	61.0	84.4	38.7	60.4	82.4	39.2	63.7	95.1	36.5	58.8	91.1	27.1
Nontransport Accidents	52.3	71.2	34.3	51.7	69.0	34.9	56.4	83.9	32.9	51.3	79.5	23.8
Motor Vehicle Accidents	8.1	12.3	4.2	8.3	12.6	4.1	6.6	10.1	3.4	7.2	11.1	ND
Other Transport Accidents	0.6	0.9	ND	0.5	0.8	ND	ND	ND	ND	ND	ND	ND
Cerebrovascular Disease	35.3	35.4	34.7	33.5	33.6	32.9	49.3	51.2	46.6	32.3	28.0	34.1
Chronic Lower Respiratory Dis.	34.2	38.2	31.4	34.8	38.5	32.2	30.3	37.0	26.8	15.0	15.4	14.7
Alzheimer's Disease	21.2	16.5	23.9	21.7	16.9	24.5	14.5	11.4	16.0	16.2	ND	19.7
Diabetes Mellitus	20.4	26.3	15.6	19.2	25.1	14.3	29.9	35.3	25.7	20.7	25.1	16.3
Nephritis, Nephrotic Syndrome, and Nephrosis	15.9	19.3	13.6	14.8	18.1	12.6	26.8	34.1	22.3	12.9	15.6	11.2
Influenza & Pneumonia	13.4	16.1	11.5	13.5	16.2	11.6	12.5	15.8	10.7	8.0	8.7	ND
Septicemia	12.6	14.7	11.0	11.5	13.7	10.0	23.1	27.5	20.5	9.9	11.0	9.1
Intentional Self-harm (Suicide)	14.0	22.5	6.0	14.9	23.9	6.4	7.9	12.5	3.6	5.9	8.9	ND
Parkinson's Disease	8.7	13.0	5.8	9.0	13.5	6.0	4.2	6.7	3.0	5.4	ND	ND
Chronic Liver Dis. and Cirrhosis	8.7	11.2	6.5	9.0	11.5	6.7	6.1	8.3	4.4	9.2	11.8	7.0
Essential Hypertension/H.R.D.*	6.0	6.2	5.6	5.6	5.8	5.3	9.3	10.1	8.4	5.7	ND	ND
In Situ, Benign, and Uncertain Neoplasms	4.4	5.9	3.4	4.5	6.0	3.5	3.1	3.8	2.7	4.3	ND	ND

* 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, 2019

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	133,932		909		1,288		5,943		22,487		56,354		46,946	
Diseases of Heart	32,250	1	14	6	39	5	499	3	4,648	2	13,136	2	13,913	1
Cancer (Malignant Neoplasms)	27,703	2	17	5	89	4	492	4	6,385	1	15,148	1	5,572	2
Accidents	8,564	3	56	3	498	1	2,669	1	2,369	3	1,594	6	1,376	6
Nontransport Accidents	7,369		50		300		2,342		2,016		1,365		1,294	
Motor Vehicle Accidents	1,118		6		185		311		320		217		79	
Other Transport Accidents	77		0		13		16		33		12		3	
Cerebrovascular Disease	6,645	4	5	9	12		64	8	660	8	2,705	4	3,199	3
Chronic Lower Respiratory Dis.	6,337	5	1		13	8	34		827	4	3,578	3	1,884	5
Alzheimer's Disease	4,151	6	0		0		0		44		1,215	8	2,892	4
Diabetes Mellitus	3,652	7	0		6		109	6	784	5	1,858	5	895	9
Nephritis, Nephrotic Syndrome, and Nephrosis	2,966	8	2		4		33		353	10	1,409	7	1,165	7
Influenza & Pneumonia	2,472	9	12	7	13	8	54	9	283		990	10	1,120	8
Septicemia	2,282	10	6	8	13	8	40	10	413	9	1,110	9	700	
Intentional Self-harm (Suicide)	1,887		0		205	2	590	2	684	7	342		66	
Parkinson's Disease	1,609		0		0		0		28		847		734	10
Chronic Liver Dis. and Cirrhosis	1,474		0		1		105	7	708	6	572		88	
Essential Hypertension and Hypertensive Renal Disease	1,125		0		0		21		151		422		531	
In Situ, Benign, and Uncertain Neoplasms	806		2		7		14		81		415		287	
Assault (Homicide)	721		18	4	205	2	347	5	114		31		6	
Perinatal Conditions	424		423	1	1		0		0		0		0	
Nutritional Deficiencies	409		0		0		0		31		152		226	
Congenital Malformations, Deformations & Chromosomal Abnormalities	346		160	2	23	6	30		74		49		10	
Anemias	308		3		1		16		28		100		160	
Multiple Sclerosis	243		0		0		7		104		114		18	
Disorders of Biliary Tract & Pancreas	238		0		2		15		44		104		73	
Cholelithiasis & Other Disorders of Gallbladder	191		0		0		1		18		82		90	
Atherosclerosis	189		0		0		1		9		70		109	
Epilepsy	121		1		16	7	18		22		51		13	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	115		0		2		6		46		40		21	
Peptic Ulcer	114		0		0		3		26		48		37	
HIV Disease	109		0		1		15		62		29		2	
Hernia	93		1		0		2		16		36		38	
Pneumoconiosis	31		0		0		0		1		14		16	
All Other Causes	26,357		188		137		758		3,474		10,093		11,705	

*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, 2019

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	66,994		527		908		4,020		13,690		30,294		17,551	
Diseases of Heart	16,718	1	10	4	19	5	350	3	3,217	2	7,625	2	5,496	1
Cancer (Malignant Neoplasms)	14,319	2	9	5	49	4	205	5	3,362	1	8,208	1	2,486	2
Accidents	5,480	3	34	3	346	1	1,921	1	1,664	3	955	6	559	6
Nontransport Accidents	4,610		32		207		1,655		1,395		805		515	
Motor Vehicle Accidents	808		2		131		251		243		139		42	
Other Transport Accidents	62		0		8		15		26		11		2	
Cerebrovascular Disease	2,671	5	3		7		29	9	379	8	1,275	4	978	3
Chronic Lower Respiratory Dis.	2,965	4	0		11	7	18	10	429	7	1,752	3	755	4
Alzheimer's Disease	1,191	10	0		0		0		12		452		727	5
Diabetes Mellitus	2,033	6	0		4		77	6	491	5	1,076	5	385	10
Nephritis, Nephrotic Syndrome, and Nephrosis	1,468	8	2		1		18	10	195	10	731	7	521	7
Influenza & Pneumonia	1,194	9	7	6	8	9	34	8	145		526	10	474	8
Septicemia	1,127		2		8	9	18	10	229	9	580	8	290	
Intentional Self-harm (Suicide)	1,491	7	0		157	3	465	2	528	4	282		59	
Parkinson's Disease	953		0		0		0		19		540	9	394	9
Chronic Liver Dis. and Cirrhosis	897		0		1		58	7	455	6	342		41	
Essential Hypertension and Hypertensive Renal Disease	469		0		0		15		101		204		149	
In Situ, Benign, and Uncertain Neoplasms	447		2		6		5		54		240		140	
Assault (Homicide)	588		7	6	180	2	298	4	81		19		3	
Perinatal Conditions	237		237	1	0		0		0		0		0	
Nutritional Deficiencies	145		0		0		0		17		64		64	
Congenital Malformations, Deformations & Chromosomal Abnormalities	197		96	2	14	6	17		40		26		4	
Anemias	133		2		0		8		16		60		47	
Multiple Sclerosis	79		0		0		3		36		34		6	
Disorders of Biliary Tract & Pancreas	112		0		0		8		26		54		24	
Cholelithiasis & Other Disorders of Gallbladder	93		0		0		1		10		49		33	
Atherosclerosis	88		0		0		1		9		44		34	
Epilepsy	53		0		11	7	13		11		17		1	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	61		0		1		2		30		22		6	
Peptic Ulcer	56		0		0		2		15		28		11	
HIV Disease	74		0		1		10		44		19		0	
Hernia	42		1		0		2		7		18		14	
Pneumoconiosis	30		0		0		0		1		14		15	
All Other Causes	11,583		115		84		442		2,067		5,038		3,835	

*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, 2019

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	66,938		382		380		1,923		8,797		26,060		29,395	
Diseases of Heart	15,532	1	4		20	5	149	3	1,431	2	5,511	2	8,417	1
Cancer (Malignant Neoplasms)	13,384	2	8	5	40	3	287	2	3,023	1	6,940	1	3,086	2
Accidents	3,084	5	22	3	152	1	748	1	705	3	639	8	817	6
Nontransport Accidents	2,759		18		93		687		621		560		779	
Motor Vehicle Accidents	310		4		54		60		77		78		37	
Other Transport Accidents	15		0		5		1		7		1		1	
Cerebrovascular Disease	3,974	3	2		5	7	35	7	281	6	1,430	4	2,221	3
Chronic Lower Respiratory Dis.	3,372	4	1		2		16		398	4	1,826	3	1,129	5
Alzheimer's Disease	2,960	6	0		0		0		32		763	6	2,165	4
Diabetes Mellitus	1,619	7	0		2		32	8	293	5	782	5	510	9
Nephritis, Nephrotic Syndrome, and Nephrosis	1,498	8	0		3		15		158	9	678	7	644	8
Influenza & Pneumonia	1,278	9	5	6	5	7	20	10	138		464	10	646	7
Septicemia	1,155	10	4		5	7	22	9	184	8	530	9	410	10
Intentional Self-harm (Suicide)	396		0		48	2	125	4	156	10	60		7	
Parkinson's Disease	656		0		0		0		9		307		340	
Chronic Liver Dis. and Cirrhosis	577		0		0		47	6	253	7	230		47	
Essential Hypertension and Hypertensive Renal Disease	656		0		0		6		50		218		382	
In Situ, Benign, and Uncertain Neoplasms	359		0		1		9		27		175		147	
Assault (Homicide)	133		11	4	25	4	49	5	33		12		3	
Perinatal Conditions	187		186	1	1		0		0		0		0	
Nutritional Deficiencies	264		0		0		0		14		88		162	
Congenital Malformations, Deformations & Chromosomal Abnormalities	149		64	2	9	6	13		34		23		6	
Anemias	175		1		1		8		12		40		113	
Multiple Sclerosis	164		0		0		4		68		80		12	
Disorders of Biliary Tract & Pancreas	126		0		2		7		18		50		49	
Cholelithiasis & Other Disorders of Gallbladder	98		0		0		0		8		33		57	
Atherosclerosis	101		0		0		0		0		26		75	
Epilepsy	68		1		5	7	5		11		34		12	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	54		0		1		4		16		18		15	
Peptic Ulcer	58		0		0		1		11		20		26	
HIV Disease	35		0		0		5		18		10		2	
Hernia	51		0		0		0		9		18		24	
Pneumoconiosis	1		0		0		0		0		0		1	
All Other Causes	14,774		73		53		316		1,407		5,055		7,870	

*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, 2019

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	116,993		494		839		4,388		18,051		49,635		43,582	
Diseases of Heart	28,385	1	9	5	23	5	338	4	3,590	2	11,425	2	12,999	1
Cancer (Malignant Neoplasms)	24,294	2	10	4	64	3	365	3	5,336	1	13,437	1	5,082	2
Accidents	7,123	3	32	3	390	1	2,175	1	1,814	3	1,391	6	1,320	6
Nontransport Accidents	6,116		28		234		1,921		1,514		1,179		1,239	
Motor Vehicle Accidents	948		4		149		242		273		201		79	
Other Transport Accidents	59		0		7		12		27		11		2	
Cerebrovascular Disease	5,717	5	2		9	8	43	8	475	8	2,294	4	2,894	3
Chronic Lower Respiratory Dis.	5,804	4	1		5		19		717	4	3,293	3	1,769	5
Alzheimer's Disease	3,888	6	0		0		0		36		1,121	8	2,731	4
Diabetes Mellitus	3,087	7	0		6		67	6	608	7	1,596	5	810	9
Nephritis, Nephrotic Syndrome, and Nephrosis	2,491	8	1		4		22		251	10	1,158	7	1,055	8
Influenza & Pneumonia	2,248	9	8	6	9	8	40	9	234		893	10	1,064	7
Septicemia	1,879	10	3		9	8	33	10	292	9	930	9	612	
Intentional Self-harm (Suicide)	1,681		0		163	2	494	2	629	6	331		64	
Parkinson's Disease	1,520		0		0		0		28		792		700	10
Chronic Liver Dis. and Cirrhosis	1,319		0		0		91	5	634	5	510		84	
Essential Hypertension and Hypertensive Renal Disease	965		0		0		8		114		358		485	
In Situ, Benign, and Uncertain Neoplasms	742		2		5		13		70		381		271	
Assault (Homicide)	189		6	7	39	4	65	7	55		20		4	
Perinatal Conditions	208		207	1	1		0		0		0		0	
Nutritional Deficiencies	355		0		0		0		23		130		202	
Congenital Malformations, Deformations & Chromosomal Abnormalities	270		111	2	18	6	23		65		45		8	
Anemias	268		1		1		2		22		90		152	
Multiple Sclerosis	212		0		0		4		87		105		16	
Disorders of Biliary Tract & Pancreas	209		0		1		11		37		91		69	
Cholelithiasis & Other Disorders of Gallbladder	176		0		0		0		16		74		86	
Atherosclerosis	180		0		0		1		7		66		106	
Epilepsy	93		1		11	7	13		15		41		12	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	95		0		1		6		32		35		21	
Peptic Ulcer	96		0		0		3		18		42		33	
HIV Disease	41		0		0		3		30		8		0	
Hernia	85		1		0		1		13		33		37	
Pneumoconiosis	30		0		0		0		1		13		16	
All Other Causes	23,343		99		80		548		2,802		8,932		10,880	

*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, 2019

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	12,973		274		307		1,106		3,503		5,206		2,577	
Diseases of Heart	3,161	1	4		13	4	136	3	888	1	1,394	1	726	1
Cancer (Malignant Neoplasms)	2,592	2	3		10	5	80	4	806	2	1,304	2	389	2
Accidents	965	3	12	3	64	2	297	1	407	3	152	8	33	
Nontransport Accidents	854		11		43		250		376		141		33	
Motor Vehicle Accidents	101		1		18		44		28		10		0	
Other Transport Accidents	10		0		3		3		3		1		0	
Cerebrovascular Disease	690	4	2		1		11	9	144	4	316	3	216	3
Chronic Lower Respiratory Dis.	433	6	0		6	6	10		90	7	240	4	87	6
Alzheimer's Disease	190	10	0		0		0		5		66	10	119	4
Diabetes Mellitus	431	7	0		0		33	6	143	5	200	5	55	8
Nephritis, Nephrotic Syndrome, and Nephrosis	380	8	1		0		8		83	8	199	6	89	5
Influenza & Pneumonia	176		4		1		13	7	40		74	9	44	9
Septicemia	333	9	3		2		6		97	6	153	7	72	7
Intentional Self-harm (Suicide)	119		0		25	3	56	5	31		7		0	
Parkinson's Disease	56		0		0		0		0		34		22	
Chronic Liver Dis. and Cirrhosis	96		0		0		7		44	10	44		1	
Essential Hypertension and Hypertensive Renal Disease	131		0		0		12	8	31		53		35	10
In Situ, Benign, and Uncertain Neoplasms	42		0		1		0		9		21		11	
Assault (Homicide)	459	5	10	4	139	1	246	2	54	9	9		1	
Perinatal Conditions	144		144	1	0		0		0		0		0	
Nutritional Deficiencies	44		0		0		0		5		18		21	
Congenital Malformations, Deformations & Chromosomal Abnormalities	44		26	2	3		4		7		3		1	
Anemias	31		1		0		11	9	5		8		6	
Multiple Sclerosis	25		0		0		1		15		7		2	
Disorders of Biliary Tract & Pancreas	15		0		1		3		5		6		0	
Cholelithiasis & Other Disorders of Gallbladder	9		0		0		0		2		5		2	
Atherosclerosis	8		0		0		0		2		3		3	
Epilepsy	25		0		4		4		6		10		1	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	19		0		1		0		14		4		0	
Peptic Ulcer	12		0		0		0		5		4		3	
HIV Disease	58		0		1		10		30		15		2	
Hernia	5		0		0		1		3		1		0	
Pneumoconiosis	1		0		0		0		0		1		0	
All Other Causes	2,279		64		35		157		532		855		636	

*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, 2019

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	3,078		111		144		490		821		1,044		467	
Diseases of Heart	518	2	1		2		30	4	149	3	212	2	124	1
Cancer (Malignant Neoplasms)	554	1	1		8	4	38	3	199	1	255	1	53	2
Accidents	498	3	5	3	53	1	235	1	154	2	42	5	8	10
Nontransport Accidents	423		4		27		204		140		39		8	
Motor Vehicle Accidents	73		1		26		30		13		3		0	
Other Transport Accidents	2		0		0		1		1		0		0	
Cerebrovascular Disease	153	4	3		2		12	6	30	4	55	3	51	3
Chronic Lower Respiratory Dis.	74	7	0		2		4		22	7	34	6	12	6
Alzheimer's Disease	63	9	0		0		0		3		32	7	28	4
Diabetes Mellitus	107	5	0		0		10	7	30	4	50	4	17	5
Nephritis, Nephrotic Syndrome, and Nephrosis	65	8	0		0		4		19	8	30	8	12	6
Influenza & Pneumonia	41		0		3		2		9		17		10	9
Septicemia	51		1		1		3		14	10	21	10	11	8
Intentional Self-harm (Suicide)	60	10	0		16	3	28	5	16	9	0		0	
Parkinson's Disease	20		0		0		0		1		12		7	
Chronic Liver Dis. and Cirrhosis	55		0		0		5	8	25	6	22	9	3	
Essential Hypertension and Hypertensive Renal Disease	26		0		0		0		6		12		8	10
In Situ, Benign, and Uncertain Neoplasms	20		0		2		2		0		11		5	
Assault (Homicide)	81	6	3		28	2	43	2	6		1		0	
Perinatal Conditions	50		50	1	0		0		0		0		0	
Nutritional Deficiencies	10		0		0		0		2		5		3	
Congenital Malformations, Deformations & Chromosomal Abnormalities	28		18	2	5	5	3		1		0		1	
Anemias	2		0		0		0		1		0		1	
Multiple Sclerosis	3		0		0		2		0		1		0	
Disorders of Biliary Tract & Pancreas	9		0		0		2		3		3		1	
Cholelithiasis & Other Disorders of Gallbladder	1		0		0		1		0		0		0	
Atherosclerosis	0		0		0		0		0		0		0	
Epilepsy	4		0		2		1		0		1		0	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	1		0		0		0		0		0		1	
Peptic Ulcer	3		0		0		0		2		1		0	
HIV Disease	12		0		0		3		2		7		0	
Hernia	3		0		0		0		1		2		0	
Pneumoconiosis	0		0		0		0		0		0		0	
All Other Causes	566		29		20		62		126		218		111	

*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, 2019

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	1,046.2	130.2	41.8	184.4	659.6	2,734.0	14,135.6
Diseases of Heart	251.9	2.0	1.3	15.5	136.3	637.3	4,189.2
Cancer (Malignant Neoplasms)	216.4	2.4	2.9	15.3	187.3	734.9	1,677.7
Accidents	66.9	8.0	16.2	82.8	69.5	77.3	414.3
Nontransport Accidents	57.6	7.2	9.7	72.7	59.1	66.2	389.6
Motor Vehicle Accidents	8.7	ND	6.0	9.6	9.4	10.5	23.8
Other Transport Accidents	0.6	ND	0.4	0.5	1.0	0.6	ND
Cerebrovascular Disease	51.9	ND	0.4	2.0	19.4	131.2	963.2
Chronic Lower Respiratory Dis.	49.5	ND	0.4	1.1	24.3	173.6	567.3
Alzheimer's Disease	32.4	ND	ND	ND	1.3	58.9	870.8
Diabetes Mellitus	28.5	ND	ND	3.4	23.0	90.1	269.5
Nephritis, Nephrotic Syndrome, and Nephrosis	23.2	ND	ND	1.0	10.4	68.4	350.8
Influenza & Pneumonia	19.3	1.7	0.4	1.7	8.3	48.0	337.2
Septicemia	17.8	ND	0.4	1.2	12.1	53.9	210.8
Intentional Self-harm (Suicide)	14.7	ND	6.7	18.3	20.1	16.6	19.9
Parkinson's Disease	12.6	ND	ND	ND	0.8	41.1	221.0
Chronic Liver Dis. and Cirrhosis	11.5	ND	ND	3.3	20.8	27.8	26.5
Essential Hypertension and Hypertensive Renal Disease	8.8	ND	ND	0.7	4.4	20.5	159.9
In Situ, Benign, and Uncertain Neoplasms	6.3	ND	ND	0.4	2.4	20.1	86.4
Assault (Homicide)	5.6	2.6	6.7	10.8	3.3	1.5	ND
Perinatal Conditions	3.3	60.6	ND	ND	ND	ND	ND
Nutritional Deficiencies	3.2	ND	ND	ND	0.9	7.4	68.0
Congenital Malformations, Deformations & Chromosomal Abnormalities	2.7	22.9	0.7	0.9	2.2	2.4	3.0
Anemias	2.4	ND	ND	0.5	0.8	4.9	48.2
Multiple Sclerosis	1.9	ND	ND	ND	3.1	5.5	5.4
Disorders of Biliary Tract & Pancreas	1.9	ND	ND	0.5	1.3	5.0	22.0
Cholelithiasis & Other Disorders of Gallbladder	1.5	ND	ND	ND	0.5	4.0	27.1
Atherosclerosis	1.5	ND	ND	ND	ND	3.4	32.8
Epilepsy	0.9	ND	0.5	0.6	0.6	2.5	3.9
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	0.9	ND	ND	ND	1.3	1.9	6.3
Peptic Ulcer	0.9	ND	ND	ND	0.8	2.3	11.1
HIV Disease	0.9	ND	ND	0.5	1.8	1.4	ND
Hernia	0.7	ND	ND	ND	0.5	1.7	11.4
Pneumoconiosis	0.2	ND	ND	ND	ND	0.7	4.8
All Other Causes	205.9	26.9	4.4	23.5	101.9	489.7	3,524.4

* Rate per 100,000 population for each specified age group, 2019.

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, 2019

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	1,067.7	147.6	57.8	246.9	821.1	3,225.9	15,555.7
Diseases of Heart	266.4	2.8	1.2	21.5	192.9	812.0	4,871.2
Cancer (Malignant Neoplasms)	228.2	ND	3.1	12.6	201.6	874.1	2,203.4
Accidents	87.3	9.5	22.0	118.0	99.8	101.7	495.4
Nontransport Accidents	73.5	9.0	13.2	101.7	83.7	85.7	456.5
Motor Vehicle Accidents	12.9	ND	8.3	15.4	14.6	14.8	37.2
Other Transport Accidents	1.0	ND	ND	0.9	1.6	1.2	ND
Cerebrovascular Disease	42.6	ND	ND	1.8	22.7	135.8	866.8
Chronic Lower Respiratory Dis.	47.3	ND	0.7	1.1	25.7	186.6	669.2
Alzheimer's Disease	19.0	ND	ND	ND	0.7	48.1	644.3
Diabetes Mellitus	32.4	ND	ND	4.7	29.4	114.6	341.2
Nephritis, Nephrotic Syndrome, and Nephrosis	23.4	ND	ND	1.1	11.7	77.8	461.8
Influenza & Pneumonia	19.0	ND	ND	2.1	8.7	56.0	420.1
Septicemia	18.0	ND	ND	1.1	13.7	61.8	257.0
Intentional Self-harm (Suicide)	23.8	ND	10.0	28.6	31.7	30.0	52.3
Parkinson's Disease	15.2	ND	ND	ND	1.1	57.5	349.2
Chronic Liver Dis. and Cirrhosis	14.3	ND	ND	3.6	27.3	36.4	36.3
Essential Hypertension and Hypertensive Renal Disease	7.5	ND	ND	0.9	6.1	21.7	132.1
In Situ, Benign, and Uncertain Neoplasms	7.1	ND	ND	ND	3.2	25.6	124.1
Assault (Homicide)	9.4	ND	11.5	18.3	4.9	2.0	ND
Perinatal Conditions	3.8	66.4	ND	ND	ND	ND	ND
Nutritional Deficiencies	2.3	ND	ND	ND	1.0	6.8	56.7
Congenital Malformations, Deformations & Chromosomal Abnormalities	3.1	26.9	0.9	1.0	2.4	2.8	ND
Anemias	2.1	ND	ND	ND	1.0	6.4	41.7
Multiple Sclerosis	1.3	ND	ND	ND	2.2	3.6	ND
Disorders of Biliary Tract & Pancreas	1.8	ND	ND	ND	1.6	5.8	21.3
Cholelithiasis & Other Disorders of Gallbladder	1.5	ND	ND	ND	0.6	5.2	29.2
Atherosclerosis	1.4	ND	ND	ND	ND	4.7	30.1
Epilepsy	0.8	ND	0.7	0.8	0.7	1.8	ND
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	1.0	ND	ND	ND	1.8	2.3	ND
Peptic Ulcer	0.9	ND	ND	ND	0.9	3.0	9.7
HIV Disease	1.2	ND	ND	0.6	2.6	2.0	ND
Hernia	0.7	ND	ND	ND	ND	1.9	12.4
Pneumoconiosis	0.5	ND	ND	ND	ND	1.5	13.3
All Other Causes	184.6	32.2	5.4	27.2	124.0	536.5	3,399.0

* Rate per 100,000 male population for each specified age group, 2019.

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, 2019

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	1,025.5	112.1	25.2	120.6	505.1	2,322.3	13,404.9
Diseases of Heart	237.9	ND	1.3	9.3	82.2	491.1	3,838.4
Cancer (Malignant Neoplasms)	205.0	ND	2.7	18.0	173.6	618.4	1,407.3
Accidents	47.2	6.5	10.1	46.9	40.5	56.9	372.6
Nontransport Accidents	42.3	5.3	6.2	43.1	35.7	49.9	355.2
Motor Vehicle Accidents	4.7	ND	3.6	3.8	4.4	7.0	16.9
Other Transport Accidents	0.2	ND	ND	ND	ND	ND	ND
Cerebrovascular Disease	60.9	ND	ND	2.2	16.1	127.4	1,012.8
Chronic Lower Respiratory Dis.	51.7	ND	ND	1.0	22.9	162.7	514.9
Alzheimer's Disease	45.3	ND	ND	ND	1.8	68.0	987.3
Diabetes Mellitus	24.8	ND	ND	2.0	16.8	69.7	232.6
Nephritis, Nephrotic Syndrome, and Nephrosis	22.9	ND	ND	0.9	9.1	60.4	293.7
Influenza & Pneumonia	19.6	ND	ND	1.3	7.9	41.3	294.6
Septicemia	17.7	ND	ND	1.4	10.6	47.2	187.0
Intentional Self-harm (Suicide)	6.1	ND	3.2	7.8	9.0	5.3	ND
Parkinson's Disease	10.0	ND	ND	ND	ND	27.4	155.0
Chronic Liver Dis. and Cirrhosis	8.8	ND	ND	2.9	14.5	20.5	21.4
Essential Hypertension and Hypertensive Renal Disease	10.0	ND	ND	ND	2.9	19.4	174.2
In Situ, Benign, and Uncertain Neoplasms	5.5	ND	ND	ND	1.6	15.6	67.0
Assault (Homicide)	2.0	3.2	1.7	3.1	1.9	1.1	ND
Perinatal Conditions	2.9	54.6	ND	ND	ND	ND	ND
Nutritional Deficiencies	4.0	ND	ND	ND	0.8	7.8	73.9
Congenital Malformations, Deformations & Chromosomal Abnormalities	2.3	18.8	ND	0.8	2.0	2.0	ND
Anemias	2.7	ND	ND	ND	0.7	3.6	51.5
Multiple Sclerosis	2.5	ND	ND	ND	3.9	7.1	5.5
Disorders of Biliary Tract & Pancreas	1.9	ND	ND	ND	1.0	4.5	22.3
Cholelithiasis & Other Disorders of Gallbladder	1.5	ND	ND	ND	ND	2.9	26.0
Atherosclerosis	1.5	ND	ND	ND	ND	2.3	34.2
Epilepsy	1.0	ND	ND	ND	0.6	3.0	5.5
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	0.8	ND	ND	ND	0.9	1.6	6.8
Peptic Ulcer	0.9	ND	ND	ND	0.6	1.8	11.9
HIV Disease	0.5	ND	ND	ND	1.0	0.9	ND
Hernia	0.8	ND	ND	ND	ND	1.6	10.9
Pneumoconiosis	ND	ND	ND	ND	ND	ND	ND
All Other Causes	226.3	21.4	3.5	19.8	80.8	450.5	3,588.9

* Rate per 100,000 female population for each specified age group, 2019.

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, 2019

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	1,119.9	94.7	35.9	173.1	621.9	2,690.5	14,296.3
Diseases of Heart	271.7	ND	1.0	13.3	123.7	619.3	4,264.1
Cancer (Malignant Neoplasms)	232.5	1.9	2.7	14.4	183.8	728.4	1,667.1
Accidents	68.2	6.1	16.7	85.8	62.5	75.4	433.0
Nontransport Accidents	58.5	5.4	10.0	75.8	52.2	63.9	406.4
Motor Vehicle Accidents	9.1	ND	6.4	9.5	9.4	10.9	25.9
Other Transport Accidents	0.6	ND	ND	0.5	0.9	0.6	ND
Cerebrovascular Disease	54.7	ND	ND	1.7	16.4	124.3	949.3
Chronic Lower Respiratory Dis.	55.6	ND	ND	0.7	24.7	178.5	580.3
Alzheimer's Disease	37.2	ND	ND	ND	1.2	60.8	895.9
Diabetes Mellitus	29.5	ND	ND	2.6	20.9	86.5	265.7
Nephritis, Nephrotic Syndrome, and Nephrosis	23.8	ND	ND	0.9	8.6	62.8	346.1
Influenza & Pneumonia	21.5	ND	ND	1.6	8.1	48.4	349.0
Septicemia	18.0	ND	ND	1.3	10.1	50.4	200.8
Intentional Self-harm (Suicide)	16.1	ND	7.0	19.5	21.7	17.9	21.0
Parkinson's Disease	14.5	ND	ND	ND	1.0	42.9	229.6
Chronic Liver Dis. and Cirrhosis	12.6	ND	ND	3.6	21.8	27.6	27.6
Essential Hypertension and Hypertensive Renal Disease	9.2	ND	ND	ND	3.9	19.4	159.1
In Situ, Benign, and Uncertain Neoplasms	7.1	ND	ND	0.5	2.4	20.7	88.9
Assault (Homicide)	1.8	ND	1.7	2.6	1.9	1.1	ND
Perinatal Conditions	2.0	39.7	ND	ND	ND	ND	ND
Nutritional Deficiencies	3.4	ND	ND	ND	0.8	7.0	66.3
Congenital Malformations, Deformations & Chromosomal Abnormalities	2.6	21.3	0.8	0.9	2.2	2.4	ND
Anemias	2.6	ND	ND	ND	0.8	4.9	49.9
Multiple Sclerosis	2.0	ND	ND	ND	3.0	5.7	5.2
Disorders of Biliary Tract & Pancreas	2.0	ND	ND	0.4	1.3	4.9	22.6
Cholelithiasis & Other Disorders of Gallbladder	1.7	ND	ND	ND	0.6	4.0	28.2
Atherosclerosis	1.7	ND	ND	ND	ND	3.6	34.8
Epilepsy	0.9	ND	0.5	0.5	0.5	2.2	3.9
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	0.9	ND	ND	ND	1.1	1.9	6.9
Peptic Ulcer	0.9	ND	ND	ND	0.6	2.3	10.8
HIV Disease	0.4	ND	ND	ND	1.0	ND	ND
Hernia	0.8	ND	ND	ND	0.4	1.8	12.1
Pneumoconiosis	0.3	ND	ND	ND	ND	0.7	5.2
All Other Causes	223.4	19.0	3.4	21.6	96.5	484.2	3,569.0

* Rate per 100,000 population for each specified age group, 2019.

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, 2019

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	842.4	256.8	66.7	250.7	991.7	3,313.9	12,092.3
Diseases of Heart	205.2	ND	2.8	30.8	251.4	887.4	3,406.7
Cancer (Malignant Neoplasms)	168.3	ND	2.2	18.1	228.2	830.1	1,825.3
Accidents	62.7	11.2	13.9	67.3	115.2	96.8	154.8
Nontransport Accidents	55.5	10.3	9.3	56.7	106.4	89.8	154.8
Motor Vehicle Accidents	6.6	ND	3.9	10.0	7.9	6.4	ND
Other Transport Accidents	0.6	ND	ND	ND	ND	ND	ND
Cerebrovascular Disease	44.8	ND	ND	2.5	40.8	201.2	1,013.6
Chronic Lower Respiratory Dis.	28.1	ND	ND	2.3	25.5	152.8	408.2
Alzheimer's Disease	12.3	ND	ND	ND	ND	42.0	558.4
Diabetes Mellitus	28.0	ND	ND	7.5	40.5	127.3	258.1
Nephritis, Nephrotic Syndrome, and Nephrosis	24.7	ND	ND	ND	23.5	126.7	417.6
Influenza & Pneumonia	11.4	ND	ND	2.9	11.3	47.1	206.5
Septicemia	21.6	ND	ND	ND	27.5	97.4	337.9
Intentional Self-harm (Suicide)	7.7	ND	5.4	12.7	8.8	ND	ND
Parkinson's Disease	3.6	ND	ND	ND	ND	21.6	103.2
Chronic Liver Dis. and Cirrhosis	6.2	ND	ND	ND	12.5	28.0	ND
Essential Hypertension and Hypertensive Renal Disease	8.5	ND	ND	2.7	8.8	33.7	164.2
In Situ, Benign, and Uncertain Neoplasms	2.7	ND	ND	ND	ND	13.4	51.6
Assault (Homicide)	29.8	9.4	30.2	55.8	15.3	ND	ND
Perinatal Conditions	9.4	135.0	ND	ND	ND	ND	ND
Nutritional Deficiencies	2.9	ND	ND	ND	ND	11.5	98.5
Congenital Malformations, Deformations & Chromosomal Abnormalities	2.9	24.4	ND	ND	ND	ND	ND
Anemias	2.0	ND	ND	2.5	ND	ND	ND
Multiple Sclerosis	1.6	ND	ND	ND	4.2	ND	ND
Disorders of Biliary Tract & Pancreas	1.0	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
Epilepsy	1.6	ND	ND	ND	ND	6.4	ND
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	1.2	ND	ND	ND	4.0	ND	ND
Peptic Ulcer	0.8	ND	ND	ND	ND	ND	ND
HIV Disease	3.8	ND	ND	2.3	8.5	9.5	ND
Hernia	ND	ND	ND	ND	ND	ND	ND
Pneumoconiosis	ND	ND	ND	ND	ND	ND	ND
All Other Causes	148.0	60.0	7.6	35.6	150.6	544.3	2,984.4

* Rate per 100,000 population for each specified age group, 2019.

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, 2019

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	307.8	116.6	39.9	159.1	462.7	1,976.8	8,194.4
Diseases of Heart	51.8	ND	ND	9.7	84.0	401.4	2,175.8
Cancer (Malignant Neoplasms)	55.4	ND	ND	12.3	112.2	482.8	930.0
Accidents	49.8	ND	14.7	76.3	86.8	79.5	ND
Nontransport Accidents	42.3	ND	7.5	66.2	78.9	73.8	ND
Motor Vehicle Accidents	7.3	ND	7.2	9.7	7.3	ND	ND
Other Transport Accidents	ND	ND	ND	ND	ND	ND	ND
Cerebrovascular Disease	15.3	ND	ND	3.9	16.9	104.1	894.9
Chronic Lower Respiratory Dis.	7.4	ND	ND	ND	12.4	64.4	210.6
Alzheimer's Disease	6.3	ND	ND	ND	ND	60.6	491.3
Diabetes Mellitus	10.7	ND	ND	3.2	16.9	94.7	298.3
Nephritis, Nephrotic Syndrome, and Nephrosis	6.5	ND	ND	ND	10.7	56.8	210.6
Influenza & Pneumonia	4.1	ND	ND	ND	ND	32.2	175.5
Septicemia	5.1	ND	ND	ND	7.9	39.8	193.0
Intentional Self-harm (Suicide)	6.0	ND	4.4	9.1	9.0	ND	ND
Parkinson's Disease	2.0	ND	ND	ND	ND	22.7	ND
Chronic Liver Dis. and Cirrhosis	5.5	ND	ND	ND	14.1	41.7	ND
Essential Hypertension and Hypertensive Renal Disease	2.6	ND	ND	ND	ND	22.7	ND
In Situ, Benign, and Uncertain Neoplasms	2.0	ND	ND	ND	ND	20.8	ND
Assault (Homicide)	8.1	ND	7.8	14.0	ND	ND	ND
Perinatal Conditions	5.0	52.5	ND	ND	ND	ND	ND
Nutritional Deficiencies	1.0	ND	ND	ND	ND	ND	ND
Congenital Malformations, Deformations & Chromosomal Abnormalities	2.8	18.9	ND	ND	ND	ND	ND
Anemias	ND	ND	ND	ND	ND	ND	ND
Multiple Sclerosis	ND	ND	ND	ND	ND	ND	ND
Disorders of Biliary Tract & Pancreas	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
Epilepsy	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	1.2	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	56.6	30.5	5.5	20.1	71.0	412.8	1,947.7

* Rate per 100,000 population for each specified age group, 2019.

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, 2019 and Average Annual, 2015-2019
and Age-Adjusted Death Rates, United States, 2019

	Pennsylvania						United States
	2019			2015-2019			2019
Cause of Death	Number	Rate	CI (95%)	Number	Rate	CI (95%)	Rate
All Causes	133,932	750.6	746.6-754.6	669,156	764.2	762.4-766.0	NA
Diseases of Heart	32,250	172.7	170.8-174.6	160,974	175.3	174.4-176.2	NA
Cancer (Malignant Neoplasms)	27,703	153.2	151.4-155.0	140,898	160.0	159.2-160.8	NA
Accidents	8,564	61.0	59.7-62.3	42,169	61.0	60.4-61.6	NA
Nontransport Accidents	7,369	52.3	51.1-53.5	35,572	51.3	50.8-51.8	NA
Motor Vehicle Accidents	1,118	8.1	7.6-8.6	6,171	9.1	8.9-9.3	NA
Other Transport Accidents	77	0.6	0.5-0.7	426	0.6	0.5-0.7	NA
Cerebrovascular Disease	6,645	35.3	34.5-36.2	33,550	36.4	36.0-36.8	NA
Chronic Lower Respiratory Dis.	6,337	34.2	33.4-35.0	32,591	36.2	35.8-36.6	NA
Alzheimer's Disease	4,151	21.2	20.6-21.8	20,603	21.2	20.9-21.5	NA
Diabetes Mellitus	3,652	20.4	19.7-21.1	18,254	20.7	20.4-21.0	NA
Nephritis, Nephrotic Syndrome, and Nephrosis	2,966	15.9	15.3-16.5	14,609	16.0	15.7-16.3	NA
Influenza & Pneumonia	2,472	13.4	12.9-13.9	13,423	14.6	14.4-14.9	NA
Septicemia	2,282	12.6	12.1-13.1	11,785	13.3	13.1-13.5	NA
Intentional Self-harm (Suicide)	1,887	14.0	13.4-14.6	9,769	14.5	14.2-14.8	NA
Parkinson's Disease	1,609	8.7	8.3-9.1	7,542	8.3	8.1-8.5	NA
Chronic Liver Dis. and Cirrhosis	1,474	8.7	8.3-9.1	7,002	8.5	8.3-8.7	NA
Essential Hypertension/H.R.D.*	1,125	6.0	5.7-6.4	5,471	5.9	5.7-6.1	NA
In Situ, Benign, and Uncertain Neoplasms	806	4.4	4.1-4.7	4,164	4.7	4.6-4.8	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.
2018 US National Death data currently not yet available.

Table C-14

Resident Deaths by Cause, Number and Rate: Pennsylvania, 2019

Cause of Death *(Based on the Tenth Revision, International Classification of Diseases)*	Number of Deaths	Rate*
All Causes	133,932	1,046.2
Certain Infectious and Parasitic Diseases (A00-B99)	3,367	26.3
Intestinal Infectious Diseases (A00-A09)	341	2.7
Tuberculosis (A16-A19)	20	0.2
Respiratory Tuberculosis (A16)	12	0.1
Other Tuberculosis (A17-A19)	8	ND
Zoonotic and Other Bacterial Diseases (A20-A49)	2,468	19.3
Septicemia (A40-A41)	2,282	17.8
Other Zoonotic and Bacterial Diseases (A20-A39,A42-A49)	186	1.5
Infections With a Predominately Sexual Mode of Transmission (A50-A64)	3	ND
Syphilis (A50-A53)	3	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)	4	ND
Lyme Disease (A69.2)	4	ND
All Other Infections (A65-A68,A69.0-A69.1,A69.8-A69.9,A70-A79)	0	ND
Viral Diseases (A80-B34)	408	3.2
Viral Hepatitis (B15-B19)	135	1.1
Human Immunodeficiency Virus (HIV) Disease (B20-B24)	109	0.9
All Other and Unspecified Viral Diseases (A80-A99,B00-B09,B25-B34)	164	1.3
Other and Unspecified Infectious and Parasitic Diseases and Their Sequelae (B35-B99)	123	1.0
Mycoses (B35-B49)	46	0.4
Protozoal Diseases (B50-B64)	9	ND
Helminthiases (B65-B83)	0	ND
Sequelae of Tuberculosis (B90)	1	ND
Sequelae of Poliomyelitis (B91)	2	ND
All Other and Unspecified Infectious and Parasitic Diseases and Their Sequelae (B85-B89,B92-B99)	65	0.5
Neoplasms (C00-D48)	28,509	222.7
Malignant Neoplasms (C00-C97)	27,703	216.4
Malignant Neoplasms of Lip, Oral Cavity and Pharynx (C00-C14)	438	3.4
Of Lip (C00)	1	ND
Of Tongue (C01-C02)	105	0.8
Of Pharynx (C10-C13,C14.0)	130	1.0
Of Other and Unspecified Sites Within the Lip, Oral Cavity and Pharynx (C03-C09,C14.2-C14.8)	202	1.6
Malignant Neoplasms of Digestive Organs (C15-C26)	7,268	56.8
Of Esophagus (C15)	810	6.3
Of Stomach (C16)	444	3.5
Of Small Intestine (C17)	91	0.7
Of Colon, Rectum and Anus (C18-C21)	2,362	18.5
Colon (C18)	1,794	14.0
Rectosigmoid Junction and Rectum (C19-C20)	511	4.0
Anus and Anal Canal (C21)	57	0.4
Of Liver and Intrahepatic Bile Ducts (C22)	1,160	9.1
Liver (C22.0,C22.2-C22.9)	759	5.9
Intrahepatic Bile Duct Carcinoma (C22.1)	401	3.1
Of Gallbladder and Extrahepatic Bile Ducts (C23-C24)	186	1.5
Of Pancreas (C25)	2,123	16.6
Of Other and Ill-Defined Digestive Organs (C26)	92	0.7

* 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, 2019 (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)	6,812	53.2
Of Nasal Cavity, Middle Ear and Accessory Sinuses (C30-C31)	22	0.2
Of Larynx (C32)	185	1.4
Of Trachea, Bronchus and Lung (C33-C34)	6,575	51.4
Of Thymus, Heart, Mediastinum and Pleura (C37-C38)	27	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)	62	0.5
Melanoma and Other Malignant Neoplasms of Skin (C43-C44)	551	4.3
Malignant Melanoma of Skin (C43)	387	3.0
Other Malignant Neoplasms of Skin (C44)	164	1.3
Malignant Neoplasms of Mesothelial and Soft Tissue (C45-C49)	402	3.1
Mesothelioma (C45)	136	1.1
Kaposi's Sarcoma (C46)	2	ND
Of Other Mesothelial and Soft Tissue (C47-C49)	264	2.1
Malignant Neoplasm of Breast (C50)	1,901	14.8
Malignant Neoplasms of Female Genital Organs (C51-C58)	1,551	12.1
Of Vulva and Vagina (C51-C52)	116	0.9
Of Cervix Uteri (C53)	146	1.1
Of Corpus Uteri and Uterus, Part Unspecified (C54-C55)	583	4.6
Of Ovary (C56)	655	5.1
Of Other and Unspecified Female Genital Organs (C57)	50	0.4
Of Placenta (C58)	1	ND
Malignant Neoplasms of Male Genital Organs (C60-C63)	1,372	10.7
Of Prostate (C61)	1,346	10.5
Of Testis (C62)	11	0.1
Of Penis and Other and Unspecified Male Genital Organs (C60,C63)	15	0.1
Malignant Neoplasms of Urinary Tract (C64-C68)	1,490	11.6
Of Kidney and Renal Pelvis (C64-C65)	606	4.7
Of Bladder (C67)	834	6.5
Of Other and Unspecified Sites Within the Urinary Tract (C66,C68)	50	0.4
Malignant Neoplasm of Eye and Adnexa (C69)	15	0.1
Malignant Neoplasms of Meninges, Brain and Other Parts of Central Nervous System (C70-C72)	734	5.7
Of Brain (C71)	718	5.6
Of Other Parts of Central Nervous System (C70,C72)	16	0.1
Malignant Neoplasms of Thyroid and Other Endocrine Glands (C73-C75)	135	1.1
Other Malignant Neoplasms of Other and Unspecified Sites (C76-C80,C97)	2,272	17.7
Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue (C81-C96)	2,700	21.1
Hodgkin's Disease (C81)	41	0.3
Of Other Lymphoid, Hematopoietic and Related Tissue (C82-C85,C96)	960	7.5
Non-Hodgkin's Lymphoma (C82-C85)	952	7.4
Of Other and Unspecified Lymphoid, Hematopoietic and Related Tissue (C96)	8	ND
Malignant Immunoproliferative Diseases (C88)	20	0.2
Multiple Myeloma and Malignant Plasma Cell Neoplasms (C90)	576	4.5
Leukemia (C91-C95)	1,103	8.6
Lymphoid Leukemia (C91)	302	2.4
Myeloid Leukemia (C92)	604	4.7
Monocytic Leukemia (C93)	6	ND
Other and Unspecified Leukemia (C94-C95)	191	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, 2019 (Continued)

Cause of Death *(Based on the Tenth Revision, International Classification of Diseases)*	Number of Deaths	Rate*
In Situ Neoplasms (D00-D09)	4	ND
Carcinoma In Situ of Breast and Genitourinary System (D05-D07)	1	ND
Carcinoma In Situ of Other and Unspecified Sites (D00-D04,D09)	3	ND
Benign Neoplasms (D10-D36)	67	0.5
Of Female Genital Organs (D25-D28)	1	ND
Of Eye, Brain and Other Parts of Central Nervous System (D31-D33)	52	0.4
Of Other and Unspecified Sites (D10-D24,D29-D30,D34-D36)	14	0.1
Neoplasms of Uncertain or Unknown Behavior of Specified Sites (D37-D47)	660	5.2
Neoplasm of Uncertain or Unknown Behavior of Unspecified Sites (D48)	75	0.6
Diseases of the Blood and Blood-Forming Organs and Certain Disorders Involving the Immune Mechanism (D50-D89)	555	4.3
Anemias (D50-D64)	308	2.4
Nutritional Anemias (D50-D53)	23	0.2
Hemolytic Anemias (D55-D59)	36	0.3
Aplastic Anemias (D60-D61)	46	0.4
Acute Posthemorrhagic and Other Anemias (D62,D64)	203	1.6
Coagulation Defects, Purpura and Other Hemorrhagic Conditions (D65-D69)	124	1.0
Other Diseases of Blood and Blood-Forming Organs (D70-D76)	53	0.4
Certain Disorders Involving the Immune Mechanism (D80-D89)	70	0.5
Endocrine, Nutritional and Metabolic Diseases (E00-E88)	5,929	46.3
Endocrine Diseases (E00-E34)	3,832	29.9
Disorders of Thyroid Gland (E00-E07)	118	0.9
Diabetes Mellitus (E10-E14)	3,652	28.5
Disorders of Pituitary Gland (E22-E23)	14	0.1
Disorders of Adrenal Glands (E24-E27)	18	0.1
Diseases of Thymus (E32)	0	ND
Other Endocrine Diseases (E15-E21,E28-E31,E34)	30	0.2
Nutritional Diseases (E40-E68)	736	5.7
Malnutrition (E40-E46)	399	3.1
Nutritional Marasmus (E41)	2	ND
Other and Unspecified Malnutrition (E40,E42-E46)	397	3.1
Other Nutritional Deficiencies (E50-E64)	10	0.1
Obesity and Other Hyperalimentation (E65-E68)	327	2.6
Metabolic Disorders (E70-E88)	1,361	10.6
Cystic Fibrosis (E84)	14	0.1
Volume Depletion, Disorders of Fluid, Electrolyte and Acid-Base Balance (E86-E87)	378	3.0
Other Metabolic Disorders (E70-E83,E85,E88)	969	7.6
Mental and Behavioral Disorders (F01-F99)	8,320	65.0
Organic Dementia (F01,F03)	7,685	60.0
Other and Unspecified Organic Mental Disorders (F04-F09)	52	0.4
Mental and Behavioral Disorders Due to Psychoactive Substance Use (F10-F19)	467	3.6
Mental and Behavioral Disorders Due to Use of Alcohol (F10)	366	2.9
Mental and Behavioral Disorders Due to Other Psychoactive Substance Use (F11-F19)	101	0.8
Schizophrenia, Schizotypal and Delusional Disorders (F20-F29)	28	0.2
Mood (Affective) Disorders (F30-F39)	38	0.3
Neurotic, Stress-Related and Somatoform Disorders (F40-F48)	11	0.1
Mental Retardation (F70-F79)	16	0.1
Other and Unspecified Mental and Behavioral Disorders (F50-F69,F80-F99)	23	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, 2019 (Continued)

Cause of Death *(Based on the Tenth Revision, International Classification of Diseases)*	Number of Deaths	Rate*
Diseases of the Nervous System (G00-G98)	8,712	68.1
Meningitis (G00,G03)	16	0.1
Other Inflammatory Diseases of Central Nervous System (G04-G09)	49	0.4
Parkinson's Disease (G20-G21)	1,609	12.6
Alzheimer's Disease (G30)	4,151	32.4
Multiple Sclerosis (G35)	243	1.9
Epilepsy (G40-G41)	121	0.9
Transient Cerebral Ischemic Attacks and Related Syndromes (G45)	7	ND
Infantile Cerebral Palsy (G80)	84	0.7
All Other Diseases of Nervous System (G10-G12,G23-G25,G31,G36-G37, G43-G44,G47-G72,G81-G98)	2,431	19.0
Diseases of the Eye and Adnexa (H00-H57)	2	ND
Diseases of the Ear and Mastoid Process (H60-H93)	2	ND
Diseases of the Circulatory System (I00-I99)	41,392	323.3
Major Cardiovascular Diseases (I00-I78)	41,223	322.0
Acute Rheumatic Fever and Chronic Rheumatic Heart Diseases (I00-I09)	183	1.4
Acute Rheumatic Fever (I00-I02)	0	ND
Chronic Rheumatic Heart Diseases (I05-I09)	183	1.4
Rheumatic Mitral Valve Diseases (I05)	75	0.6
Rheumatic Aortic Valve Diseases (I06)	3	ND
Disorders of Both Mitral and Aortic Valves (I08.0)	47	0.4
Other Chronic Rheumatic Heart Diseases (I07,I08.1-I08.9,I09)	58	0.5
Hypertensive Diseases (I10-I13)	3,107	24.3
Essential (Primary) Hypertension (I10)	742	5.8
Hypertensive Heart Disease (I11)	1,661	13.0
Hypertensive Renal Disease (I12)	383	3.0
Hypertensive Heart and Renal Disease (I13)	321	2.5
Ischemic Heart Diseases (I20-I25)	16,922	132.2
Acute Myocardial Infarction (I21-I22)	4,912	38.4
Other Acute Ischemic Heart Diseases (I24)	368	2.9
Other Forms of Chronic Ischemic Heart Disease (I20,I25)	11,642	90.9
Atherosclerotic Cardiovascular Disease, So Described (I25.0)	3,320	25.9
All Other Forms of Chronic Ischemic Heart Disease (I20,I25.1-I25.9)	8,322	65.0
Other Heart Diseases (I26-I51)	13,163	102.8
Pulmonary Heart Disease and Diseases of Pulmonary Circulation (I26-I28)	932	7.3
Pulmonary Embolism (I26)	463	3.6
Other Pulmonary Heart Disease and Diseases of Pulmonary Circulation (I27-I28)	469	3.7
Other Non-Pulmonary Forms of Heart Disease (I30-I51)	12,231	95.5
Acute and Subacute Endocarditis (I33)	67	0.5
Diseases of Pericardium and Acute Myocarditis (I30-I31,I40)	52	0.4
Other Diseases of Endocardium (I34-I38)	1,482	11.6
Nonrheumatic Mitral Valve Disorders (I34)	147	1.1
Nonrheumatic Aortic Valve Disorders (I35)	1,028	8.0
All Other Diseases of Endocardium (I36-I38)	307	2.4
Cardiomyopathy (I42)	1,174	9.2
Conduction Disorders and Cardiac Dysrhythmias (I44-I49)	3,498	27.3
Heart Failure (I50)	5,081	39.7
Congestive Heart Failure (I50.0)	3,909	30.5
Other and Unspecified Heart Failure (I50.1-I50.9)	1,172	9.2
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)	846	6.6

* 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, 2019 (Continued)

Cause of Death *(Based on the Tenth Revision, International Classification of Diseases)*	Number of Deaths	Rate*
Cerebrovascular Diseases (I60-I69)	6,645	51.9
Subarachnoid Hemorrhage (I60)	235	1.8
Intracerebral and Other Intracranial Hemorrhage (I61-I62)	1,315	10.3
Cerebral Infarction (I63)	578	4.5
Stroke, Not Specified As Hemorrhage or Infarction (I64)	2,755	21.5
Other Cerebrovascular Diseases and Their Sequelae (I67,I69)	1,762	13.8
Diseases of Arteries, Arterioles and Capillaries (I70-I78)	1,202	9.4
Atherosclerosis (I70)	189	1.5
Aortic Aneurysm and Dissection (I71)	524	4.1
Other Diseases of Arteries, Arterioles and Capillaries (I72-I78)	489	3.8
Other Disorders of Circulatory System (I80-I99)	169	1.3
Phlebitis, Thrombophlebitis, Venous Embolism and Thrombosis (I80-I82)	115	0.9
All Other and Unspecified Disorders of Circulatory System (I83-I99)	54	0.4
Diseases of the Respiratory System (J00-J98)	12,233	95.6
Acute Upper Respiratory Infections (J00-J06)	12	0.1
Acute Pharyngitis and Tonsillitis (J02-J03)	0	ND
Acute Laryngitis and Tracheitis (J04)	1	ND
Other and Unspecified Acute Upper Respiratory Infections (J00-J01,J05-J06)	11	0.1
Other Diseases of the Respiratory System (J10-J98)	12,218	95.4
Influenza (J10-J11)	273	2.1
Pneumonia (J12-J18)	2,199	17.2
Viral Pneumonia, Not Elsewhere Classified (J12)	47	0.4
Bacterial Pneumonia (J13-J15)	100	0.8
Pneumonia Due to Other or Unspecified Organisms (J16,J18)	2,052	16.0
Other Acute Lower Respiratory Infections (J20-J22)	14	0.1
Acute Bronchitis and Bronchiolitis (J20-J21)	12	0.1
Unspecified Acute Lower Respiratory Infection (J22)	2	ND
Other Diseases of Upper Respiratory Tract (J30-J39)	30	0.2
Chronic Lower Respiratory Diseases (J40-J47)	6,337	49.5
Bronchitis, Chronic and Unspecified, Emphysema and Asthma (J40-J46)	6,280	49.1
Bronchitis, Not Specified As Acute or Chronic (J40)	10	0.1
Chronic Bronchitis (J41-J42)	10	0.1
Emphysema (J43)	287	2.2
Other Chronic Obstructive Pulmonary Disease (J44)	5,853	45.7
Asthma (J45-J46)	120	0.9
Bronchiectasis (J47)	57	0.4
Lung Diseases Due to External Agents (J60-J70)	1,149	9.0
Pneumoconiosis and Chemical Effects (J60-J66,J68)	32	0.2
Pneumonitis Due to Solids and Liquids (J69)	1,106	8.6
Pneumonitis Due to Food and Vomit (J69.0)	1,106	8.6
Other Pneumonitis Due to Solids and Liquids (J69.1-J69.8)	0	ND
Other Lung Diseases Due to External Agents (J67,J70)	11	0.1
Suppurative and Necrotic Conditions of Lower Respiratory Tract (J85-J86)	40	0.3
Pleural Effusion and Plaque (J90,J92)	79	0.6
All Other Diseases of Respiratory System (J80-J84,J93-J98)	2,097	16.4
Diseases of the Digestive System (K00-K92)	4,946	38.6
Diseases of Oral Cavity, Salivary Glands and Jaws (K00-K14)	13	0.1
Diseases of Other Parts of Digestive System (K20-K92)	4,933	38.5
Diseases of Esophagus (K20-K22)	106	0.8
Peptic Ulcer (K25-K28)	114	0.9
Gastric Ulcer (K25)	33	0.3
Duodenal Ulcer (K26)	48	0.4
Peptic Ulcer, Site Unspecified (K27)	31	0.2
Gastrojejunal Ulcer (K28)	2	ND
Gastritis and Duodenitis (K29)	10	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, 2019 (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)	55	0.4
Diseases of Appendix (K35-K38)	17	0.1
Hernia (K40-K46)	93	0.7
Crohn's Disease and Ulcerative Colitis (K50-K51)	57	0.4
Vascular Disorders and Obstruction of Intestine Without Hernia (K55-K56)	744	5.8
Diverticular Disease of Intestine (K57)	119	0.9
Other Diseases of Intestines and Peritoneum (K52,K58-K63)	221	1.7
Diseases of Peritoneum (K65-K66)	142	1.1
Diseases of Liver (K70-K76)	2,174	17.0
Alcoholic Liver Disease (K70)	586	4.6
Chronic Hepatitis, Not Elsewhere Classified (K73)	1	ND
Fibrosis and Cirrhosis of Liver (K74)	887	6.9
Other Diseases of Liver (K71-K72,K75-K76)	700	5.5
Cholelithiasis and Other Disorders of Gallbladder (K80-K82)	191	1.5
Disorders of Biliary Tract and Pancreas (K83-K86)	238	1.9
Pancreatitis (K85,K86.0-K86.1)	133	1.0
Other Disorders of Biliary Tract and Pancreas (K83,K86.2-K86.9)	105	0.8
All Other Diseases of Digestive System (K90,K92)	652	5.1
Diseases of the Skin and Subcutaneous Tissue (L00-L98)	232	1.8
Infections of Skin and Subcutaneous Tissue (L00-L08)	126	1.0
Other and Unspecified Diseases of Skin and Subcutaneous Tissue (L10-L98)	106	0.8
Diseases of the Musculoskeletal System and Connective Tissue (M00-M99)	660	5.2
Rheumatoid Arthritis and Related Inflammatory Polyarthropathies (M05-M08)	88	0.7
Systemic Lupus Erythematosus (M32)	36	0.3
Other Arthropathies and Related Disorders (M00,M02,M10-M31,M33-M35)	191	1.5
Dorsopathies (M40-M54)	69	0.5
Soft Tissue Disorders (M60-M79)	96	0.7
Osteopathies, Chondropathies and Other Disorders of Musculoskeletal System and Connective Tissue (M80-M99)	180	1.4
Osteoporosis (M80-M81)	31	0.2
Other Osteopathies, Chondropathies and Disorders of Musculoskeletal System and Connective Tissue (M83-M99)	149	1.2
Diseases of the Genitourinary System (N00-N98)	3,942	30.8
Diseases of Urinary System (N00-N39)	3,875	30.3
Glomerular and Renal Tubulo-Interstitial Diseases (N00-N15)	112	0.9
Glomerular Diseases (N00-N07)	41	0.3
Acute and Rapidly Progressive Nephritic Syndrome (N00-N01)	31	0.2
Nephrotic Syndrome (N04)	2	ND
Other and Unspecified Glomerular Diseases (N02-N03,N05-N07)	8	ND
Renal Tubulo-Interstitial Diseases (N10-N15)	71	0.6
Renal Failure (N17-N19)	2,923	22.8
Urolithiasis (N20-N23)	28	0.2
Other and Unspecified Disorders of Kidney (N25-N27)	2	ND
Urinary Tract Infection, Site Not Specified (N39.0)	496	3.9
Other Diseases of Urinary System (N28-N36,N39.1-N39.9)	314	2.5
Diseases of Male Genital Organs (N40-N50)	33	0.3
Hyperplasia of Prostate (N40)	20	0.2
Other Diseases of Male Genital Organs (N41-N50)	13	0.1
Disorders of Breast (N60-N64)	5	ND
Disorders of Female Genital Organs (N70-N98)	29	0.2
Inflammatory Diseases of Female Pelvic Organs (N70-N76)	10	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, 2019 (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	0.4
Pregnancy with Abortive Outcome (O00-O07)	0	ND
Ectopic Pregnancy (O00)	0	ND
Spontaneous Abortion (O03)	0	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)	19	0.1
Eclampsia and Pre-Eclampsia (O11,O13-O16)	2	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)	0	ND
Other Complications Predominately Related to the Puerperium (O85-O87,O89-O92)	4	ND
All Other Direct Obstetric Causes (O10,O12,O21-O43,O47-O66, O68-O71,O73-O75)	13	0.1
Obstetric Death of Unspecified Cause (O95)	2	ND
Other Deaths Related to Pregnancy, Childbirth and the Puerperium (O96-O97)	14	0.1
Indirect Obstetric Deaths (O98-O99)	10	0.1
Certain Conditions Originating in the Perinatal Period (P00-P96)	424	3.3
Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery (P00-P04)	118	0.9
Disorders Related to Short Gestation and Low Birth Weight, Not Elsewhere Classified (P07)	158	1.2
Birth Trauma (P10-P15)	0	ND
Intrauterine Hypoxia and Birth Asphyxia (P20-P21)	16	0.1
Respiratory Distress of Newborn (P22)	13	0.1
Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)	19	0.1
Infections Specific to the Perinatal Period (P35-P39)	27	0.2
Other and Unspecified Conditions Originating in the Perinatal Period (P05,P08,P29,P50-P96)	73	0.6
Congenital Malformations, Deformations and Chromosomal Abnormalities (Q00-Q99)	346	2.7
Anencephaly and Similar Malformations (Q00)	11	0.1
Spina Bifida (Q05)	15	0.1
All Other Congenital Malformations of Nervous System (Q01-Q04,Q06-Q07)	24	0.2
Congenital Malformations of Heart (Q20-Q24)	71	0.6
Other Congenital Malformations of Circulatory System (Q25-Q28)	20	0.2
Congenital Malformations of Respiratory System (Q30-Q34)	12	0.1
Other Congenital Malformations and Deformations (Q10-Q18,Q35-Q89)	104	0.8
Down Syndrome (Q90)	54	0.4
All Other Chromosomal Abnormalities, Not Elsewhere Classified (Q91-Q99)	35	0.3
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified (R00-R99)	2,693	21.0
Senility (R54)	95	0.7

* 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, 2019 (Continued)

Cause of Death *(Based on the Tenth Revision, International Classification of Diseases)*	Number of Deaths	Rate*
Ill-Defined and Unknown Causes of Mortality (R95-R99)	972	7.6
Sudden Infant Death Syndrome (R95)	60	0.5
Other Ill-Defined and Unknown Causes of Mortality (R96-R99)	912	7.1
All Other Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified (R00-R53,R55-R94)	1,626	12.7
External Causes of Mortality (U01-U03,V01-Y89)	11,622	90.8
Accidents (V01-X59,Y85-Y86)	8,564	66.9
Transport Accidents (V01-V99,Y85)	1,195	9.3
Railway Accidents (V05,V15,V80.6,V81.2-V81.9)	16	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)	1,118	8.7
Pedestrian Involved in Collision With Motor Vehicle (V02-V04)	51	0.4
Pedalcyclist Involved in Collision With Motor Vehicle (V12-V14, V19.0-V19.2,V19.4-V19.6)	16	0.1
Motorcyclist Involved in Any Accident Except Collision With Railway Train (V20-V24,V26-V34,V36-V39)	141	1.1
Motor Vehicle Accident Involving Collision With Railway Train (V25, V35, V45,V55,V65,V75,V81.0-V81.1,V87.6,V88.6)	3	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)	3	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)	42	0.3
Occupant of Car, Pickup Truck or Van Involved in Collision With Other Motor Vehicle (V42-V44,V49,V52-V54,V59)	61	0.5
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)	18	0.1
Occupant of Special-Use Motor Vehicle Involved in Any Accident (V83-V86)	39	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)	744	5.8
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)	22	0.2
Water Transport Accidents (V90-V94)	5	ND
Air and Space Transport Accidents (V95-V97)	12	0.1
Other and Unspecified Transport Accidents and Their Sequelae (V98-V99,Y85)	22	0.2
Falls (W00-W19)	2,020	15.8
Fall on Same Level (W00-W09,W18)	847	6.6
Fall From One Level to Another (W10-W17)	305	2.4
Unspecified Fall (W19)	868	6.8
Accidental Discharge of Firearms (W32-W34)	16	0.1
Accidental Explosion (W39-W40)	3	ND
Accidental Drowning and Submersion (W65-W74)	88	0.7
Accidental Inhalation and Ingestion of Food or Other Objects Causing Obstruction of Respiratory Tract (W78-W80)	310	2.4
Other Accidental and Unspecified Threats to Breathing (W75-W77, W81-W84)	45	0.4
Accidental Exposure to Electric Current (W85-W87)	8	ND
Accidental Exposure to Radiation (W88-W91)	0	ND
Accidental Exposure to Smoke, Fire and Flames (X00-X09)	112	0.9

* 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, 2019 (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)	5	ND
Lightning (X33)	2	ND
Earthquake, Volcanic Eruption, Avalanche, Landslide and Other Earth Movements (X34-X36)	0	ND
Cataclysmic Storm and Flood (X37-X38)	3	ND
Accidental Poisoning and Exposure to Noxious Substances (X40-X49)	4,251	33.2
Accidental Poisoning by and Exposure to Drugs and Other Biological Substances (X40-X44)	4,043	31.6
Accidental Poisoning by and Exposure to Other and Unspecified Solid or Liquid Substances (X45-X46,X48-X49)	169	1.3
Accidental Poisoning by and Exposure to Other Gases/Vapors (X47)	39	0.3
All Other and Unspecified Accidents and Their Sequelae (W20-W31, W35-W38,W41-W64,W92-W99,X20-X32,X39,X50-X59,Y86)	506	4.0
Intentional Self-Harm (Suicide) (U03,X60-X84,Y87.0)	1,887	14.7
Intentional Self-Poisoning (Suicide) by and Exposure to Drugs and Other Biological Substances (X60-X64)	189	1.5
Intentional Self-Poisoning (Suicide) by and Exposure to Other and Unspecified Solid or Liquid Substances and Their Vapors (X65-X66,X68-X69)	17	0.1
Intentional Self-Poisoning (Suicide) by Exposure to Other Gases/Vapors (X67)	57	0.4
Intentional Self-Harm (Suicide) by Hanging, Strangulation and Suffocation (X70)	531	4.1
Intentional Self-Harm (Suicide) by Discharge of Firearms (X72-X74)	960	7.5
Intentional Self-Harm (Suicide) by Jumping From a High Place (X80)	45	0.4
Intentional Self-Harm (Suicide) by All Other and Unspecified Means and Their Sequelae (U03,X71,X75-X79,X81-X84,Y87.0)	88	0.7
Assault (Homicide) (U01-U02,X85-Y09,Y87.1)	721	5.6
Assault (Homicide) by Drugs, Biological Substances and Other and Unspecified Noxious Substances (U01.6-U01.7,X85-X90)	23	0.2
Assault (Homicide) by Hanging, Strangulation and Suffocation (X91)	20	0.2
Assault (Homicide) by Discharge of Firearms (U01.4,X93-X95)	547	4.3
Assault (Homicide) by Sharp Object (X99)	52	0.4
Assault (Homicide) by Blunt Object (Y00)	4	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)	4	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)	69	0.5
Event of Undetermined Intent (Y10-Y34,Y87.2,Y89.9)	189	1.5
Poisoning by and Exposure to Drugs and Biological Substances, Undetermined Intent (Y10-Y14)	104	0.8
Poisoning by and Exposure to Other and Unspecified Solid or Liquid Substance, Undetermined Intent (Y15-Y16,Y18-Y19)	6	ND
Poisoning by and Exposure to Other Gases/Vapors, Undetermined Intent (Y17)	6	ND
Discharge of Firearms, Undetermined Intent (Y22-Y24)	5	ND
Falling, Jumping or Pushed From a High Place, Undetermined Intent (Y30)	2	ND
All Other and Unspecified Events of Undetermined Intent and Their Sequelae (Y20-Y21,Y25-Y29,Y31-Y34,Y87.2,Y89.9)	66	0.5
Legal Intervention (Y35,Y89.0)	10	0.1
Legal Execution (Y35.5)	0	ND
Other Legal Intervention and Their Sequelae (Y35.0-Y35.4,Y35.6-Y35.7,Y89.0)	10	0.1
Operations of War and Their Sequelae (Y36,Y89.1)	0	ND
Complications of Medical and Surgical Care (Y40-Y84,Y88)	251	2.0
Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use, and Their Sequelae (Y40-Y59,Y88.0)	20	0.2
Misadventures to Patients During Medical and Surgical Care and Their Sequelae (Y60-Y69,Y88.1)	2	ND
Other Complications of Medical and Surgical Care and Their Sequelae (Y70-Y84,Y88.2-Y88.3)	229	1.8

* 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-15
Resident Infant Deaths by Cause and Age at Death
Number and Rate: Pennsylvania, 2019

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	788	5.9	334	129	85	239
Certain Infectious and Parasitic Diseases (A00-B99)	14	0.1	0	0	0	14
Certain Intestinal Infectious Diseases (A00-A08)	1	ND	0	0	0	1
Diarrhea and Gastroenteritis of Infectious Origin (A09)	3	ND	0	0	0	3
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)	4	ND	0	0	0	4
Congenital Syphilis (A50)	0	ND	0	0	0	0
Gonococcal Infection (A54)	0	ND	0	0	0	0
Viral Diseases (A80-B34)	4	ND	0	0	0	4
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)	4	ND	0	0	0	4
Candidiasis (B37)	1	ND	0	0	0	1
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)	1	ND	0	0	0	1
Neoplasms (C00-D48)	3	ND	1	0	0	2
Malignant Neoplasms (C00-C97)	1	ND	0	0	0	1
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)	1	ND	0	0	0	1
In Situ Neoplasms, Benign Neoplasms and Neoplasms of Uncertain or Unknown Behavior (D00-D48)	2	ND	1	0	0	1
Diseases of the Blood and Blood-Forming Organs and Certain Disorders Involving the Immune Mechanism (D50-D89)	4	ND	1	0	0	2
Anemias (D50-D64)	1	ND	1	0	0	0
Hemorrhagic Conditions and Other Diseases of Blood and Blood-Forming Organs (D65-D76)	3	ND	0	0	0	2
Certain Disorders Involving the Immune Mechanism (D80-D89)	0	ND	0	0	0	0
Endocrine, Nutritional and Metabolic Diseases (E00-E88)	2	ND	0	0	0	2
Short Stature, Not Elsewhere Classified (E34.3)	0	ND	0	0	0	0
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, 2019 (Continued)

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
Volume Depletion, Disorders of Fluid, Electrolyte and Acid-Base Balance (E86-E87)	0	ND	0	0	0	0
All Other Endocrine, Nutritional and Metabolic Diseases (E00-E32, E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)	2	ND	0	0	0	2
Diseases of the Nervous System (G00-G98)	3	ND	0	1	0	2
Meningitis (G00,G03)	1	ND	0	0	0	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)	1	ND	0	1	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)	1	ND	0	0	0	1
Diseases of the Ear and Mastoid Process (H60-H93)	0	ND	0	0	0	0
Diseases of the Circulatory System (I00-I99)	14	0.1	0	3	2	9
Pulmonary Heart Disease and Diseases of Pulmonary Circulation (I26-I28)	3	ND	0	1	0	2
Pericarditis, Endocarditis and Myocarditis (I30,I33,I40)	0	ND	0	0	0	0
Cardiomyopathy (I42)	3	ND	0	0	2	1
Cardiac Arrest (I46)	1	ND	0	0	0	1
Cerebrovascular Diseases (I60-I69)	3	ND	0	0	0	3
All Other Diseases of Circulatory System (I00-I25,I31,I34-I38, I44-I45,I47-I51,I70-I99)	4	ND	0	2	0	2
Diseases of the Respiratory System (J00-J98)	21	0.2	1	0	0	20
Acute Upper Respiratory Infections (J00-J06)	0	ND	0	0	0	0
Influenza and Pneumonia (J10-J18)	8	ND	0	0	0	8
Influenza (J10-J11)	0	ND	0	0	0	0
Pneumonia (J12-J18)	8	ND	0	0	0	8
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)	1	ND	0	0	0	1
Other and Unspecified Diseases of Respiratory System (J22, J30-J39,J43-J44,J47-J68,J70-J98)	12	0.1	1	0	0	11
Diseases of the Digestive System (K00-K92)	6	ND	0	2	1	3
Gastritis, Duodenitis, and Noninfective Enteritis and Colitis (K29, K50-K55)	2	ND	0	0	1	1
Hernia of Abdominal Cavity and Intestinal Obstruction Without Hernia (K40-K46, K56)	0	ND	0	0	0	0
All Other and Unspecified Diseases of Digestive System (K00-K28, K30-K38,K57-K92)	4	ND	0	2	0	2
Diseases of the Genitourinary System (N00-N95)	3	ND	0	2	1	0
Renal Failure and Other Disorders of Kidney (N17-N19,N25,N27)	2	ND	0	1	1	0
Other and Unspecified Diseases of Genitourinary System (N00-N15,N20-N23,N26,N28-N95)	1	ND	0	1	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, 2019 (Continued)

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
Certain Conditions Originating in the Perinatal Period (P00-P96)	421	3.1	275	89	49	8
Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery (P00-P04)	117	0.9	103	12	1	1
Newborn Affected by Maternal Hypertensive Disorders (P00.0)	5	ND	4	1	0	0
Newborn Affected by Other Maternal Conditions Which May be Unrelated to Present Pregnancy (P00.1-P00.9)	3	ND	3	0	0	0
Newborn Affected by Maternal Complications of Pregnancy (P01)	75	0.6	70	5	0	0
Newborn Affected by Incompetent Cervix (P01.0)	31	0.2	30	1	0	0
Newborn Affected by Premature Rupture of Membranes (P01.1)	36	0.3	33	3	0	0
Newborn Affected by Multiple Pregnancy (P01.5)	4	ND	3	1	0	0
Newborn Affected by Other Maternal Complications of Pregnancy (P01.2-P01.4,P01.6-P01.9)	4	ND	4	0	0	0
Newborn Affected by Complications of Placenta, Cord and Membranes (P02)	31	0.2	24	6	0	1
Newborn Affected by Complications Involving Placenta (P02.0-P02.3)	19	0.1	15	4	0	0
Newborn Affected by Complications Involving Cord (P02.4-P02.6)	2	ND	0	1	0	1
Newborn Affected by Chorioamnionitis (P02.7)	10	0.1	9	1	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)	2	ND	1	0	1	0
Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast Milk (P04)	1	ND	1	0	0	0
Disorders Related to Length of Gestation and Fetal Malnutrition (P05-P08)	161	1.2	135	19	4	3
Slow Fetal Growth and Fetal Malnutrition (P05)	4	ND	2	1	1	0
Disorders Related to Short Gestation and Low Birth Weight, Not Elsewhere Classified (P07)	157	1.2	133	18	3	3
Extremely Low Birth Weight or Extreme Immaturity (P07.0,P07.2)	109	0.8	91	16	1	1
Other Low Birth Weight or Preterm (P07.1,P07.3)	48	0.4	42	2	2	2
Disorders Related to Long Gestation and High Birth Weight (P08)	0	ND	0	0	0	0
Birth Trauma (P10-P15)	0	ND	0	0	0	0
Intrauterine Hypoxia and Birth Asphyxia (P20-P21)	15	0.1	6	8	1	0
Intrauterine Hypoxia (P20)	9	ND	4	5	0	0
Birth Asphyxia (P21)	6	ND	2	3	1	0
Respiratory Distress of Newborn (P22)	13	0.1	2	10	1	0
Other Respiratory Conditions Originating In the Perinatal Period (P23-P28)	19	0.1	7	6	5	1
Congenital Pneumonia (P23)	1	ND	0	0	1	0
Neonatal Aspiration Syndromes (P24)	1	ND	1	0	0	0
Interstitial Emphysema and Related Conditions Originating In the Perinatal Period (P25)	2	ND	1	1	0	0
Pulmonary Hemorrhage Originating In the Perinatal Period (P26)	5	ND	0	4	1	0
Chronic Respiratory Disease Originating In the Perinatal Period (P27)	0	ND	0	0	0	0
Atelectasis (P28.0-P28.1)	6	ND	2	1	2	1
All Other Respiratory Conditions Originating In the Perinatal Period (P28.2-P28.9)	4	ND	3	0	1	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, 2019 (Continued)

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
Infections Specific to the Perinatal Period (P35-P39)	27	0.2	7	6	14	0
Bacterial Sepsis of Newborn (P36)	24	0.2	6	6	12	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)	3	ND	1	0	2	0
Hemorrhagic and Hematological Disorders of Newborn (P50-P61)	14	0.1	3	8	3	0
Neonatal Hemorrhage (P50-P52,P54)	13	0.1	3	8	2	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)	1	ND	0	0	1	0
Syndrome of Infant of a Diabetic Mother and Neonatal Diabetes Mellitus (P70.0-P70.2)	0	ND	0	0	0	0
Necrotizing Enterocolitis of Newborn (P77)	12	0.1	0	1	9	2
Hydrops Fetalis Not Due to Hemolytic Disease (P83.2)	6	ND	2	3	1	0
Other Perinatal Conditions (P29,P70.3-P70.9,P71-P76,P78-P81, P83.0-P83.1,P83.3-P83.9,P90-P96)	37	0.3	10	16	10	1
Congenital Malformations, Deformations and Chromosomal Abnormalities (Q00-Q99)	147	1.1	56	32	19	40
Anencephaly and Similar Malformations (Q00)	11	0.1	7	4	0	0
Congenital Hydrocephalus (Q03)	2	ND	0	2	0	0
Spinal Bifida (Q05)	1	ND	1	0	0	0
Other Congenital Malformations of Nervous System (Q01-Q02,Q04,Q06-Q07)	11	0.1	1	1	4	5
Congenital Malformations of Heart (Q20-Q24)	28	0.2	5	6	5	12
Other Congenital Malformations of Circulatory System (Q25-Q28)	6	ND	1	1	3	1
Congenital Malformations of Respiratory System (Q30-Q34)	8	ND	5	2	0	1
Congenital Malformations of Digestive System (Q35-Q45)	3	ND	0	1	1	1
Congenital Malformations of Genitourinary System (Q50-Q64)	13	0.1	9	3	1	0
Congenital Malformations and Deformations of Musculoskeletal System, Limbs and Integument (Q65-Q85)	19	0.1	12	1	2	4
Down Syndrome (Q90)	1	ND	0	0	1	0
Edward's Syndrome (Q91.0-Q91.3)	14	0.1	2	5	0	7
Patau's Syndrome (Q91.4-Q91.7)	12	0.1	4	5	1	2
Other Congenital Malformations and Deformations (Q10-Q18,Q86-Q89)	14	0.1	9	1	0	4
Other Chromosomal Abnormalities, Not Elsewhere Classified (Q92-Q99)	4	ND	0	0	1	3
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified (R00-R99)	103	0.8	0	0	7	96
Sudden Infant Death Syndrome (R95)	60	0.4	0	0	3	57
Other Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified (R00-R53,R55-R94, R96-R99)	43	0.3	0	0	4	39
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, 2019 (Continued)

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
External Causes of Mortality (U01,V01-Y84)	46	0.3	0	0	6	40
Accidents (V01-X59)	27	0.2	0	0	5	22
Transport Accidents (V01-V99)	0	ND	0	0	0	0
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)	0	ND	0	0	0	0
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)	0	ND	0	0	0	0
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)	18	0.1	0	0	4	14
Other Accidental Suffocation and Strangulation (W76-W77, W81-W84)	4	ND	0	0	0	4
Accidental Inhalation and Ingestion of Food or Other Objects Causing Obstruction of Respiratory Tract (W78-W80)	1	ND	0	0	0	1
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)	2	ND	0	0	1	1
Assault (Homicide) (U01,X85-Y09)	9	ND	0	0	0	9
Assault (Homicide) by Hanging, Strangulation and Suffocation (X91)	4	ND	0	0	0	4
Assault (Homicide) by Discharge of Firearms (U01.4,X93-X95)	1	ND	0	0	0	1
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)	3	ND	0	0	0	3
Complications of Medical and Surgical Care (Y40-Y84)	0	ND	0	0	0	0
Other External Causes (X60-X84,Y10-Y36)	10	0.1	0	0	1	9

* 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, 1990-2019

	Pennsylvania			United States		
Year	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2019	32,250	172.7	170.8-174.6	NA	NA	NA
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 - 2019.
CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.
Data for 1999-2019 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, 1980-2019

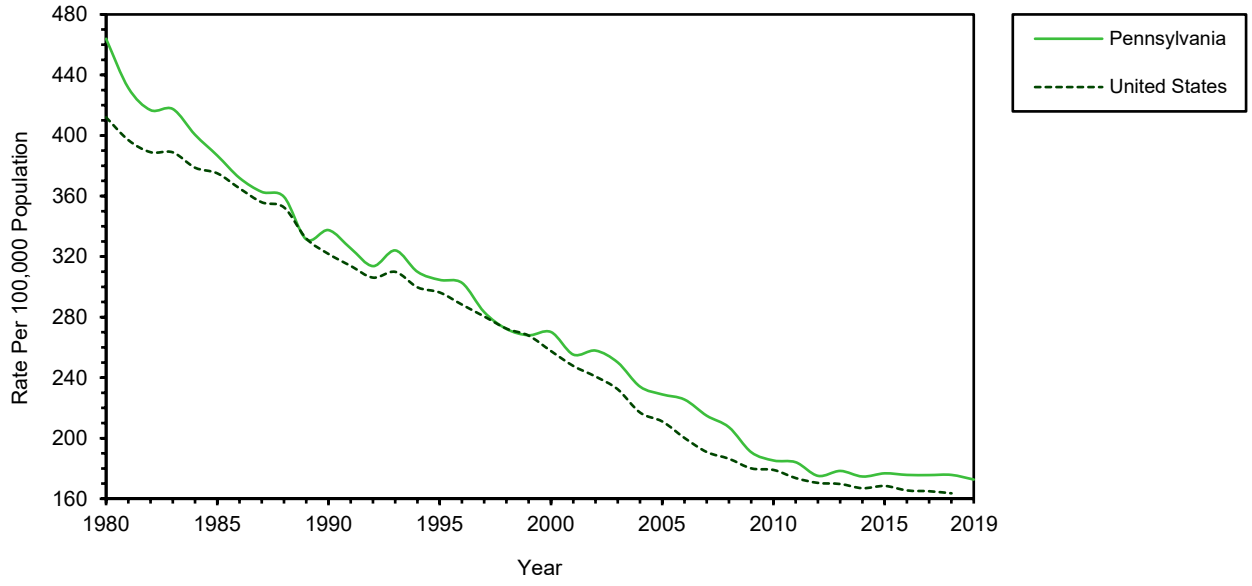
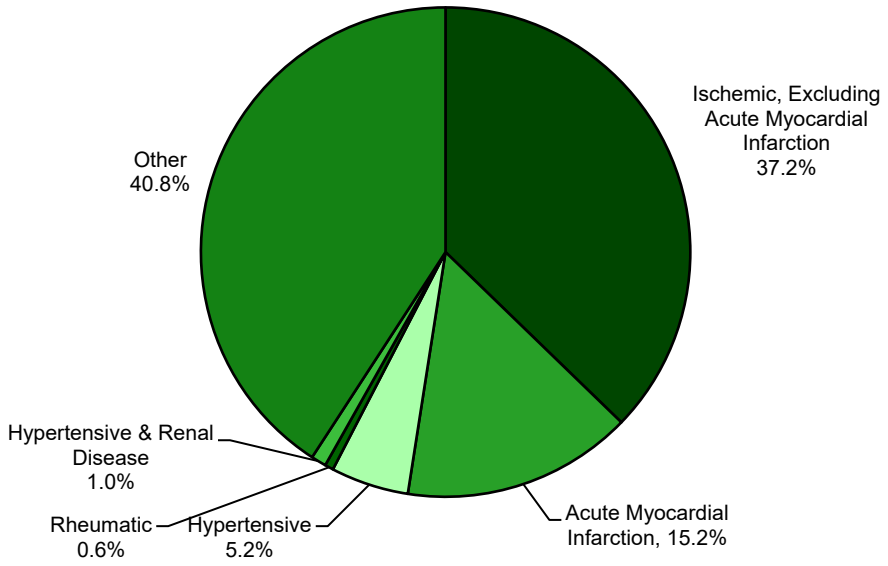


Table C-16B
Resident Diseases of Heart Deaths by Type and Sex
Number and Percent: Pennsylvania, 2019

Type of Diseases of Heart*	Total**	Male		Female	
		Number	Percent	Number	Percent
Total Diseases of Heart	32,250	16,718	100.0	15,532	100.0
Rheumatic Heart Disease	183	54	0.3	129	0.8
Hypertensive Heart Disease	1,661	771	4.6	890	5.7
Hypertensive Heart & Renal Disease	321	152	0.9	169	1.1
Acute Myocardial Infarction	4,912	2,842	17.0	2,070	13.3
Ischemic Excl. Myocardial Infarction	12,010	6,894	41.2	5,116	32.9
Other Heart Disease	13,163	6,005	35.9	7,158	46.1

* 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, 2019



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, 2019

Type of Diseases of Heart*	All Races	White		Black	
		Number	Percent	Number	Percent
Total Diseases of Heart	16,718	14,675	100.0	1,659	100.0
Rheumatic Heart Disease	54	46	0.3	6	ND
Hypertensive Heart Disease	771	551	3.8	197	11.9
Hypertensive Heart & Renal Disease	152	134	0.9	14	0.8
Acute Myocardial Infarction	2,842	2,609	17.8	157	9.5
Ischemic Excl. Myocardial Infarction	6,894	5,997	40.9	744	44.8
Other Heart Disease	6,005	5,338	36.4	541	32.6

* 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*

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, 2019

Type of Diseases of Heart*	All Races	White		Black	
		Number	Percent	Number	Percent
Total Diseases of Heart	15,532	13,710	100.0	1,502	100.0
Rheumatic Heart Disease	129	118	0.9	9	ND
Hypertensive Heart Disease	890	709	5.2	149	9.9
Hypertensive Heart & Renal Disease	169	154	1.1	13	0.9
Acute Myocardial Infarction	2,070	1,862	13.6	163	10.9
Ischemic Excl. Myocardial Infarction	5,116	4,416	32.2	607	40.4
Other Heart Disease	7,158	6,451	47.1	561	37.4

* 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, 1990-2019

	Pennsylvania			United States		
Year	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2019	27,703	153.2	151.4-155.0	NA	NA	NA
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 - 2019.
CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.
Data for 1999-2019 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, 1980-2019

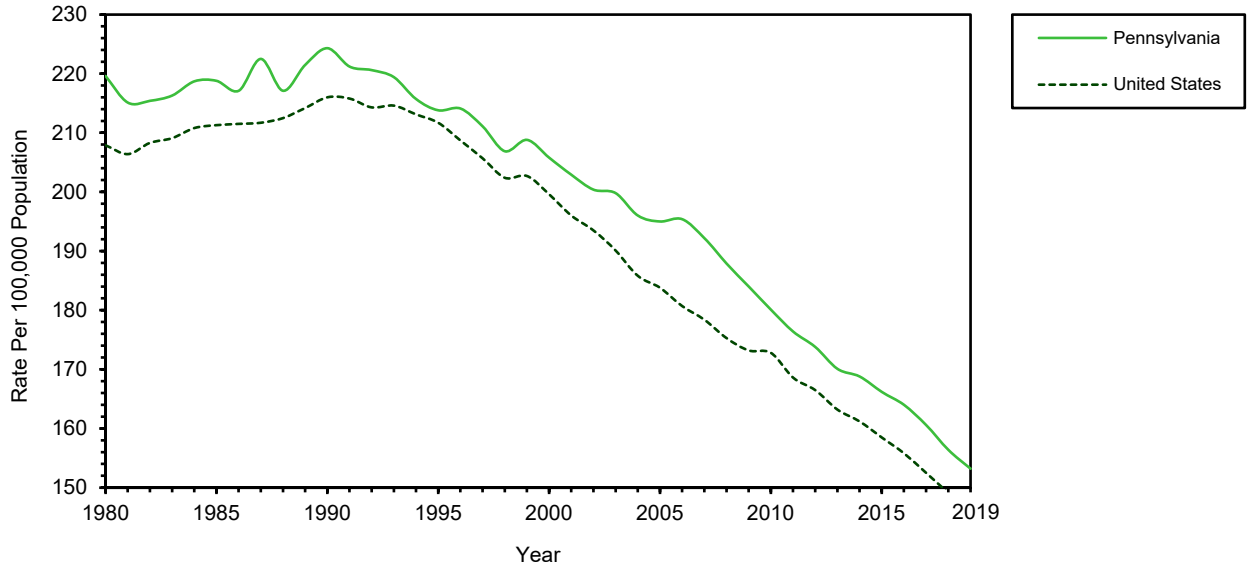
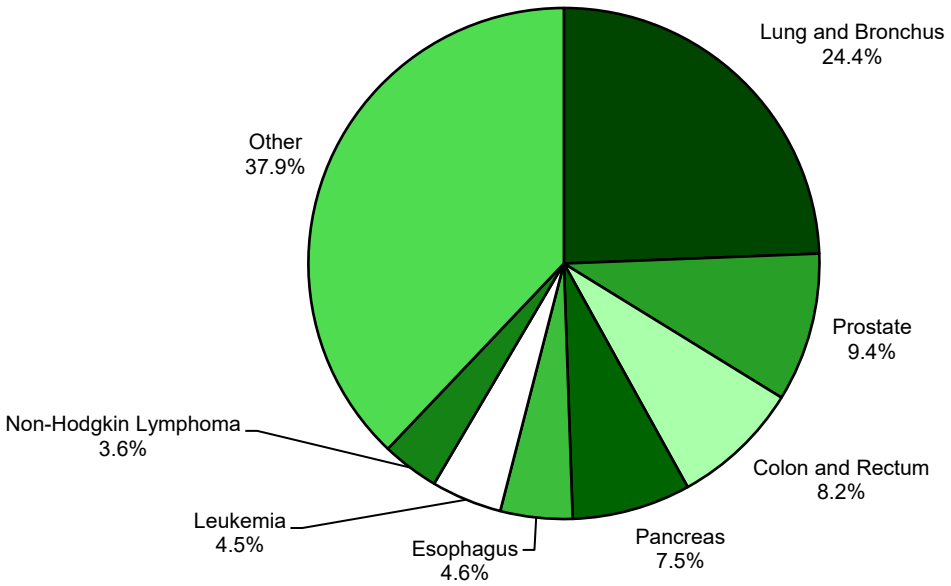


Table C-17B
Resident Cancer (Malignant Neoplasm) Deaths by Site and Age - Males
Pennsylvania, 2019

		Age at Death (In Years)									
Cancer (Malignant Neoplasm) Site*	All Ages**	Under 5	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 - 84	85+
Total Cancers (Malignant Neoplasms)	14,319	9	18	31	63	142	753	2,609	4,171	4,037	2,486
Lung and Bronchus	3,492	0	0	0	3	18	134	701	1,154	1,056	426
Prostate	1,346	0	0	0	0	0	18	116	312	433	467
Colon and Rectum	1,168	0	0	1	4	13	120	232	276	306	216
Pancreas	1,075	0	0	0	2	14	61	193	376	293	136
Esophagus	652	0	0	0	3	9	40	163	214	151	72
Leukemia	640	3	3	5	7	6	23	66	159	235	133
Non-Hodgkin Lymphoma	518	0	1	2	7	11	24	51	149	163	110
All Other Sites	5,428	6	14	23	37	71	333	1,087	1,531	1,400	926

* 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, 2019



Note: may not sum to 100 due to rounding.

Table C-17C
Resident Cancer (Malignant Neoplasm) Deaths by Site and Age - Females
Pennsylvania, 2019

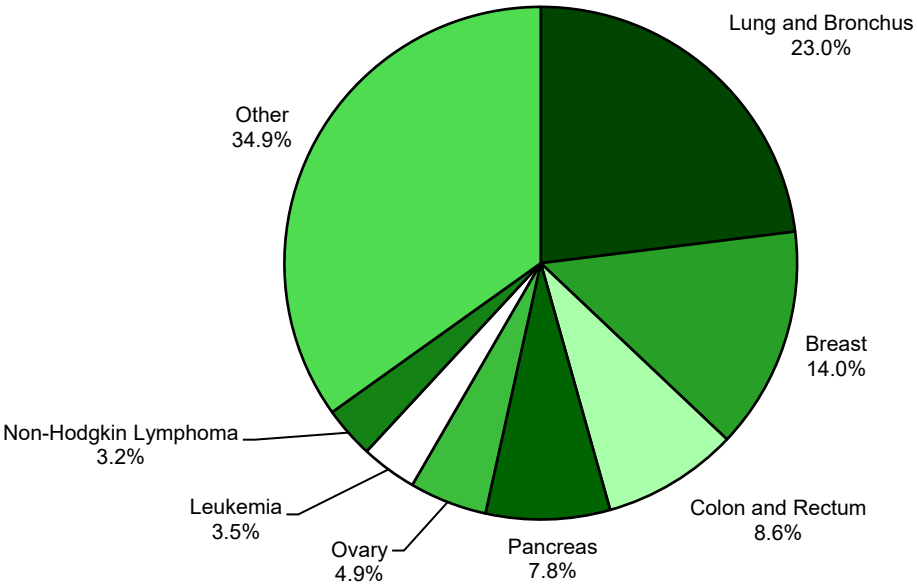
		Age at Death (In Years)									
Cancer (Malignant Neoplasm) Site*	All Ages**	Under 5	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 - 84	85+
Total Cancers (Malignant Neoplasms)	13,384	8	20	20	51	236	757	2,266	3,378	3,562	3,086
Lung and Bronchus	3,082	0	0	0	1	17	120	579	943	886	536
Breast	1,878	0	0	1	12	78	180	367	421	379	440
Colon and Rectum	1,148	0	0	0	2	32	80	174	210	289	361
Pancreas	1,048	0	0	0	3	5	44	158	275	341	222
Ovary	655	0	0	0	2	12	50	141	197	174	79
Leukemia	472	2	5	4	4	9	21	47	91	138	151
Non-Hodgkin Lymphoma	434	0	1	3	2	1	13	48	88	146	132
All Other Sites	4,667	6	14	12	25	82	249	752	1,153	1,209	1,165

* 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, 2019



Note: may not sum to 100 due to rounding.

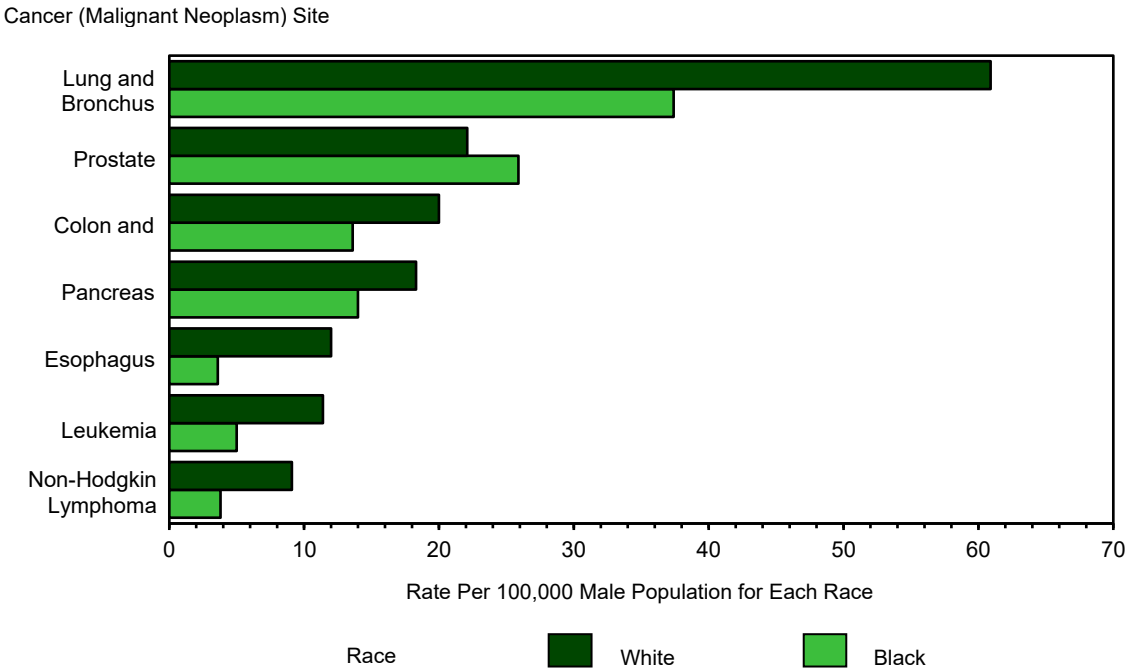
Table C-17D
Resident Cancer (Malignant Neoplasm) Deaths by Site and Race - Males
Number and Rate*: Pennsylvania, 2019

Cancer (Malignant Neoplasm) Site**	All Races	White		Black	
		Number	Rate	Number	Rate
Total Cancers (Malignant Neoplasms)	14,319	12,712	247.7	1,196	160.7
Lung and Bronchus	3,492	3,126	60.9	278	37.4
Prostate	1,346	1,133	22.1	193	25.9
Colon and Rectum	1,168	1,026	20.0	101	13.6
Pancreas	1,075	940	18.3	104	14.0
Esophagus	652	618	12.0	27	3.6
Leukemia	640	586	11.4	37	5.0
Non-Hodgkin Lymphoma	518	469	9.1	28	3.8
All Other Sites	5,428	4,814	93.8	428	57.5

* 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, 2019



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

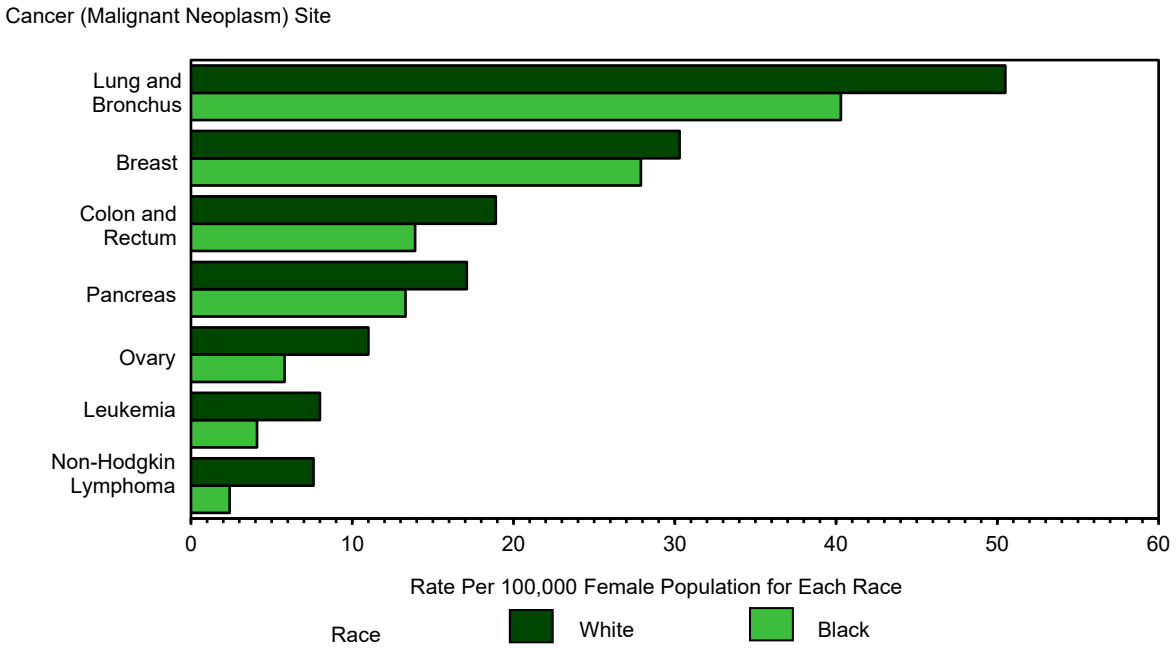
Table C-17E
Resident Cancer (Malignant Neoplasm) Deaths by Site and Race - Females
Number and Rate*: Pennsylvania, 2019

Cancer (Malignant Neoplasm) Site**	All Races	White		Black	
		Number	Rate	Number	Rate
Total Cancers (Malignant Neoplasms)	13,384	11,582	218.0	1,396	175.4
Lung and Bronchus	3,082	2,684	50.5	321	40.3
Breast	1,878	1,610	30.3	222	27.9
Colon and Rectum	1,148	1,005	18.9	111	13.9
Pancreas	1,048	907	17.1	106	13.3
Ovary	655	587	11.0	46	5.8
Leukemia	472	426	8.0	33	4.1
Non-Hodgkin Lymphoma	434	404	7.6	19	2.4
All Other Sites	4,667	3,959	74.5	538	67.6

* 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, 2019



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, 1990-2019

	Pennsylvania			United States		
Year	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2019	8,564	61.0	59.7-62.3	NA	NA	NA
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 - 2019.
CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.
Data for 1999-2019 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, 1980-2019

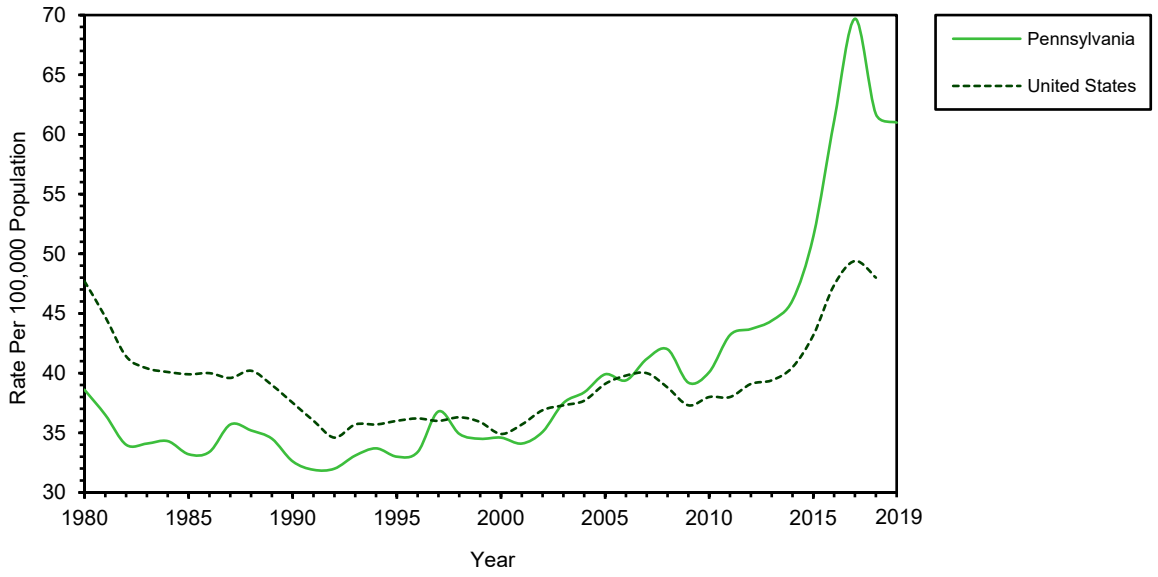


Table C-18B
Resident Deaths Due to Accidents by Type and Age
Pennsylvania, 2019

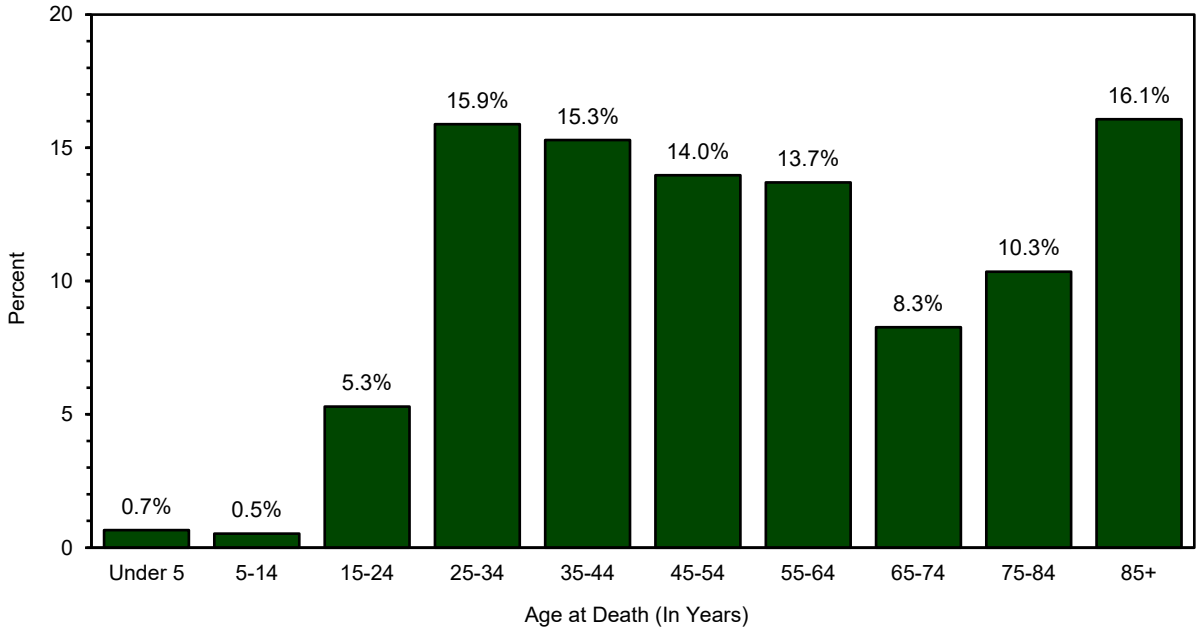
Deaths by Type of Accident*	All Ages**	Age at Death (In Years)									
		Under 5	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 - 84	85 +
Total Accidental Deaths	8,564	56	45	453	1,360	1,309	1,196	1,173	708	886	1,376
Motor Vehicle Accidents	1,118	6	17	168	183	128	147	173	121	96	79
Other Transport Accidents	77	0	2	11	7	9	14	19	9	3	3
Falls	2,020	0	3	11	10	22	50	143	251	546	984
Discharge of Firearms	16	0	0	5	2	2	2	0	1	2	2
Drowning and Submersion	88	14	6	8	9	12	12	15	7	5	0
Suffocation and Strangulation	355	24	3	6	2	11	15	48	61	75	110
Smoke, Fire and Flames	112	4	13	1	6	10	7	17	26	19	9
Poisoning by Noxious Substances	4,251	2	0	235	1,118	1,093	910	696	161	20	14
Other Nontransport Accidents	527	6	1	8	23	22	39	62	71	120	175

Table C-18C
Resident Deaths Due to Accidents by Type and Sex
Number and Percent: Pennsylvania, 2019

Deaths by Type of Accident*	Total***	Male		Female	
		Number	Percent	Number	Percent
Total Accidental Deaths	8,564	5,480	100.0	3,084	100.0
Motor Vehicle Accidents	1,118	808	14.7	310	10.1
Other Transport Accidents	77	62	1.1	15	0.5
Falls	2,020	1,016	18.5	1,004	32.6
Discharge of Firearms	16	15	0.3	1	ND
Drowning and Submersion	88	72	1.3	16	0.5
Suffocation and Strangulation	355	189	3.4	166	5.4
Smoke, Fire and Flames	112	59	1.1	53	1.7
Poisoning by Noxious Substances	4,251	2,974	54.3	1,277	41.4
Other Nontransport Accidents	527	285	5.2	242	7.8

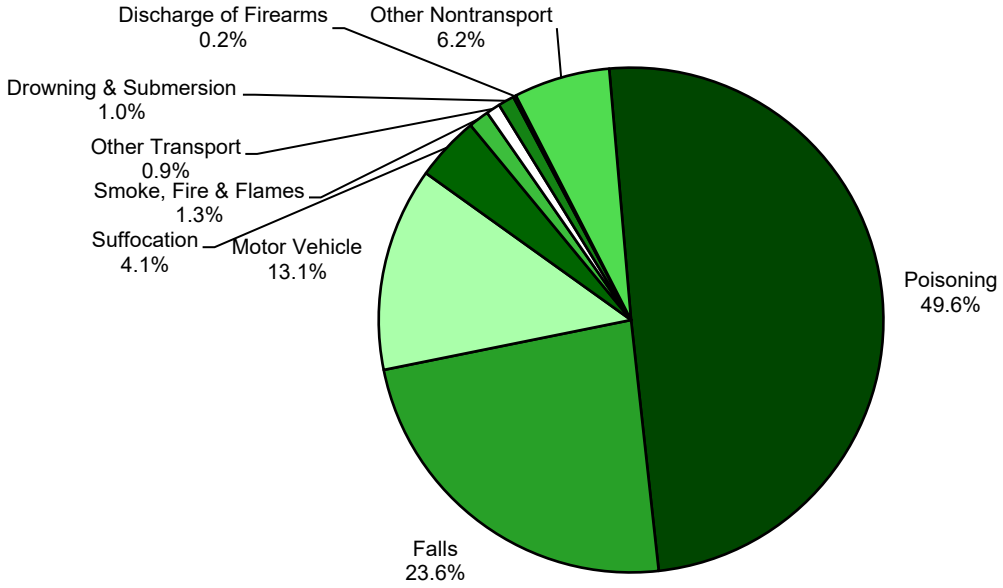
* The following 10th revision ICD codes were used in the above tables:
Motor Vehicle Accidents = *V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1, V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8,V89.0,V89.2*
Other Transport Accidents = *V01,V05-V06,V09.1,V09.3-V09.9,V10-V11,V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2, 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, 2019



Note: may not sum to 100 due to rounding.

Figure C-18
Resident Deaths Due to Accidents
Percent by Type, Pennsylvania, 2019



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, 1990-2019

	Pennsylvania			United States		
Year	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2019	6,645	35.3	34.5-36.2	NA	NA	NA
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 - 2019.
CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.
Data for 1999-2019 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, 1980-2019

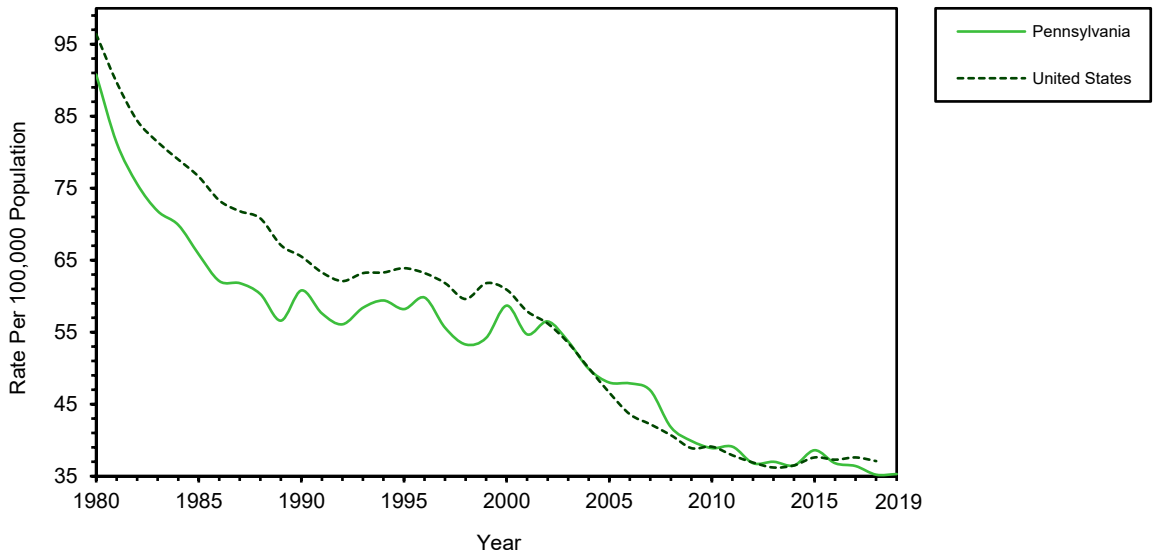


Table C-20

Influenza and Pneumonia Deaths

Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals

Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2019

	Pennsylvania			United States		
Year	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2019	2,472	13.4	12.9-13.9	NA	NA	NA
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 - 2019.
CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.
Data for 1999-2019 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, 1980-2019

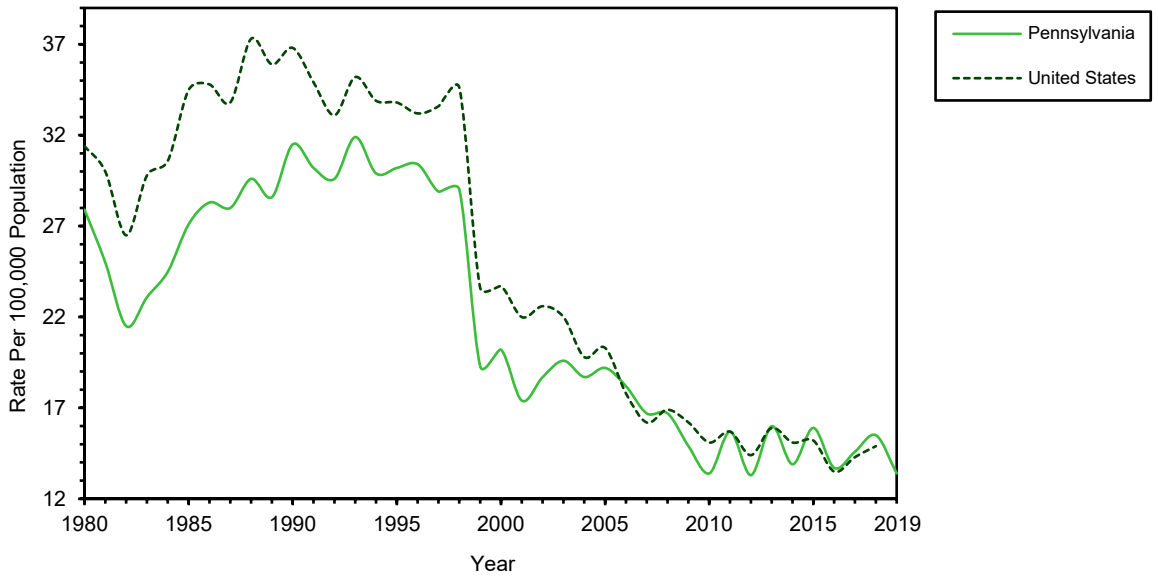


Table C-21A

Intentional Self-harm (Suicide) Deaths

Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals

Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2019

	Pennsylvania			United States		
Year	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2019	1,887	14.0	13.4-14.6	NA	NA	NA
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 - 2019.
CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.
Data for 1999-2019 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, 1980-2019

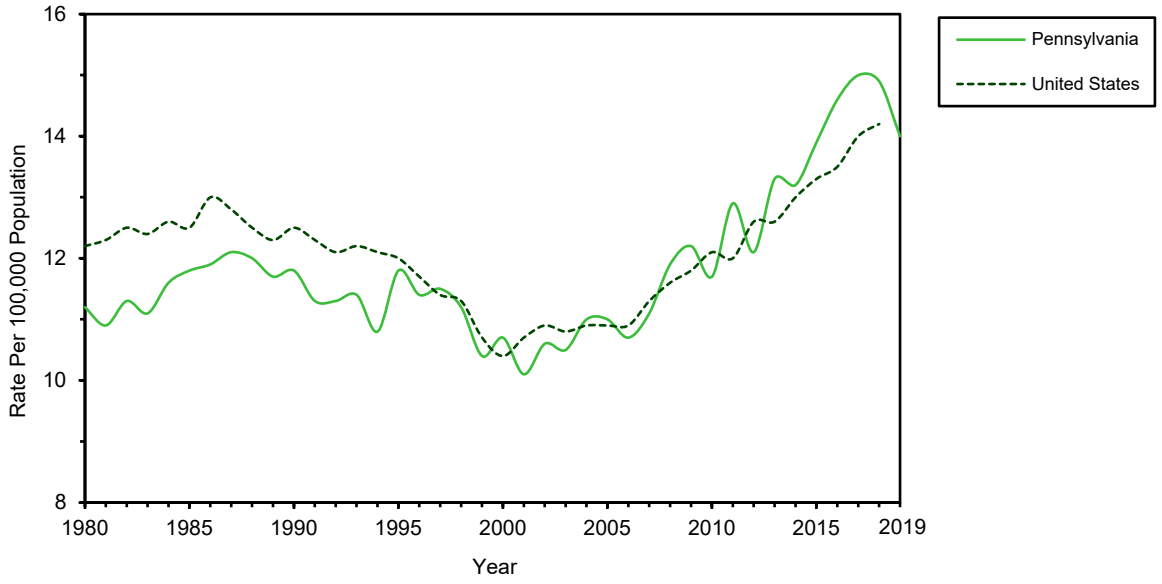
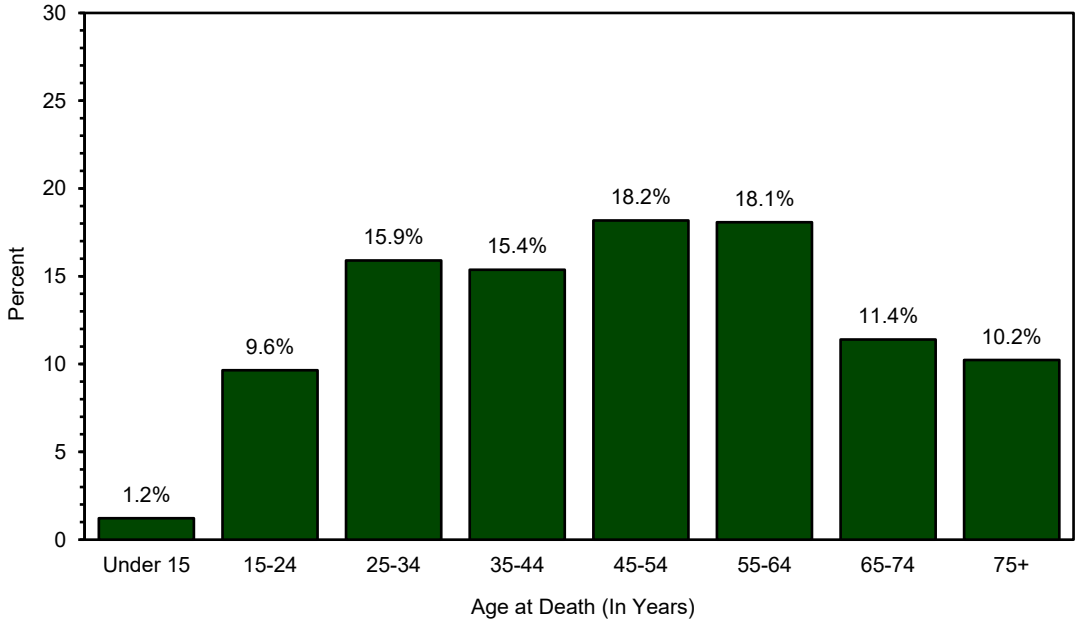


Table C-21B
Resident Intentional Self-harm (Suicide) Deaths
by Age, Race, and Sex, Pennsylvania, 2019

Age Group (In Years)	All Races			White			Black		
	Total*	Male	Female	Total*	Male	Female	Total*	Male	Female
All Ages**	1,887	1,491	396	1,681	1,332	349	119	91	28
Under 15	23	13	10	14	6	8	6	4	2
15 - 24	182	144	38	149	118	31	19	17	2
25 - 34	300	242	58	247	203	44	29	20	9
35 - 44	290	223	67	247	191	56	27	20	7
45 - 54	343	250	93	309	223	86	20	16	4
55 - 64	341	278	63	320	260	60	11	10	1
65 - 74	215	169	46	206	163	43	5	2	3
75+	193	172	21	189	168	21	2	2	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, 2019



Note: may not sum to 100 due to rounding.

Table C-22A
Deaths Due to HIV Disease, Number and Rate*
Pennsylvania and United States, 1987-2019

	Pennsylvania		United States	
Year	Number	Rate	Number	Rate
2019	109	0.9	NA	NA
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 1999-2019 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, 1987-2019

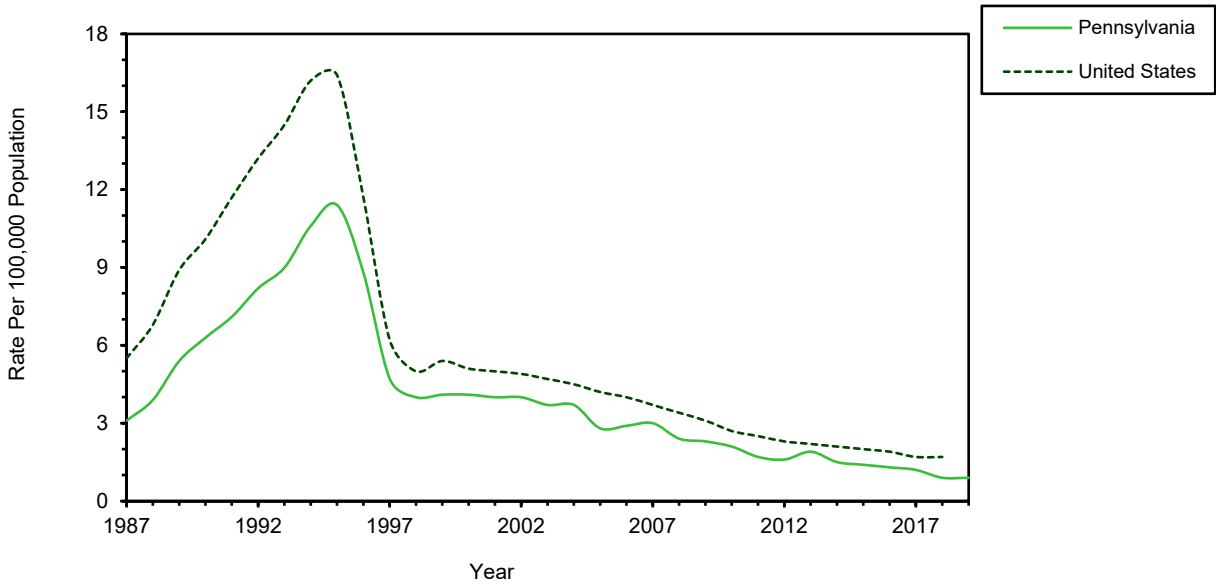
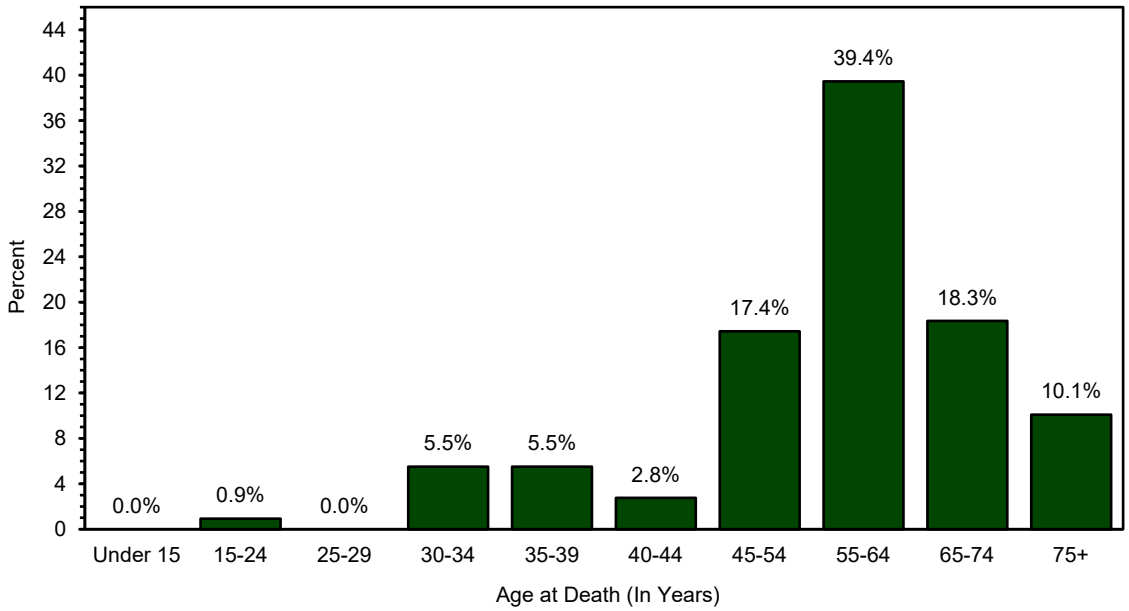


Table C-22B
Resident Deaths Due to HIV Disease
by Age, Race, Hispanic Origin, and Sex, Pennsylvania, 2019

Age Group	All Races			White			Black			Hispanic Origin		
(In Years)	Total*	Male	Female	Total*	Male	Female	Total*	Male	Female	Total*	Male	Female
All Ages**	109	74	35	41	33	8	58	34	24	12	8	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	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	6	5	1	1	1	0	5	4	1	0	0	0
35 - 39	6	4	2	1	0	1	3	2	1	3	2	1
40 - 44	3	1	2	1	1	0	2	0	2	0	0	0
45 - 54	19	12	7	12	8	4	6	4	2	1	0	1
55 - 64	43	32	11	18	16	2	24	15	9	1	1	0
65 - 74	20	12	8	5	4	1	12	6	6	4	3	1
75+	11	7	4	3	3	0	5	2	3	3	2	1

* 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 cahnged. 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, 2019



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, 1990-2019

	Pennsylvania			United States		
Year	Number	Rate	CI (95%)	Number	Rate	CI (95%)
2019	721	6.1	5.6-6.5	NA	NA	NA
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 - 2019.
CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes.
Data for 1999-2019 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, 1980-2019

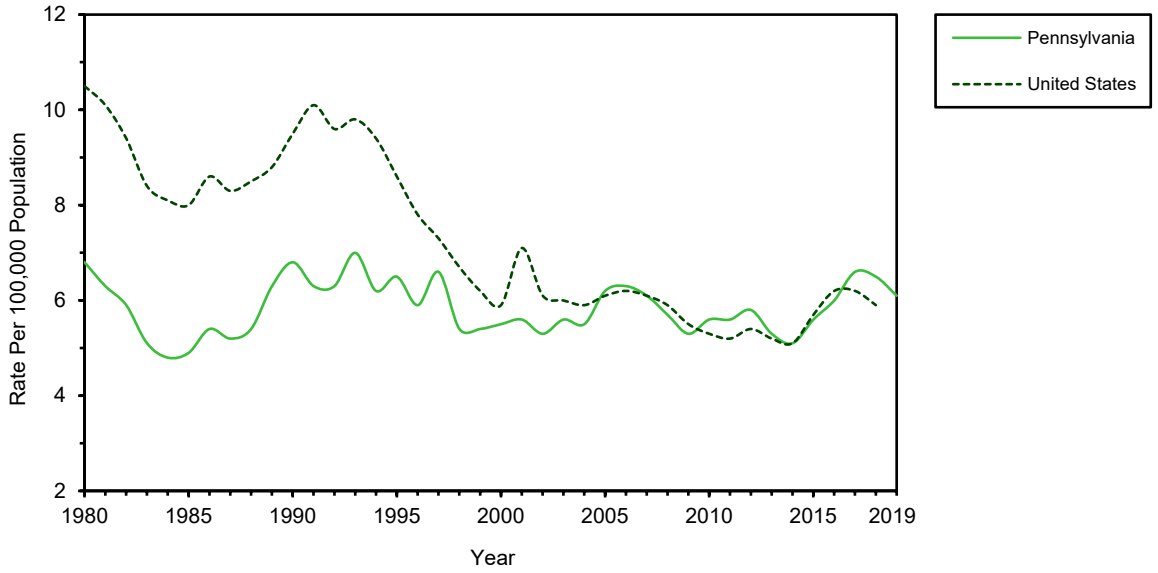
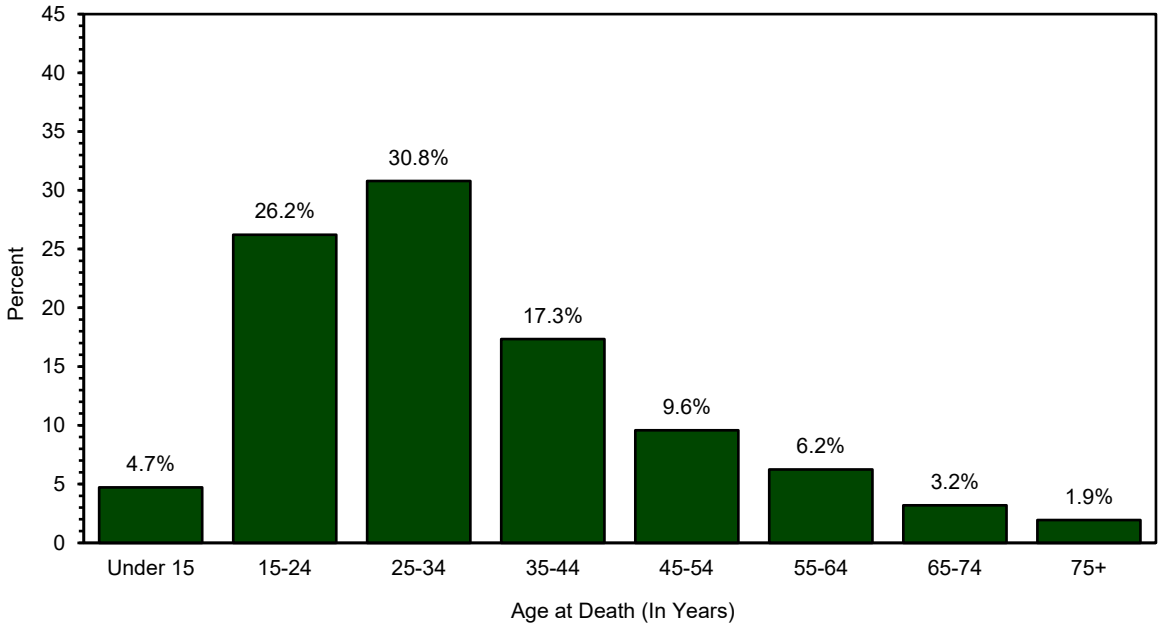


Table C-23B
Resident Assault (Homicide) Deaths
by Age, Race, Hispanic Origin, and Sex, Pennsylvania, 2019

Age Group	All Races			White			Black			Hispanic Origin		
(In Years)	Total*	Male	Female	Total*	Male	Female	Total*	Male	Female	Total*	Male	Female
All Ages**	721	588	133	189	125	64	459	401	58	81	71	10
Under 15	34	18	16	14	7	7	17	9	8	4	2	2
15 - 24	189	169	20	31	27	4	132	118	14	27	25	2
25 - 34	222	198	24	37	26	11	166	153	13	25	23	2
35 - 44	125	100	25	28	20	8	80	69	11	18	14	4
45 - 54	69	52	17	31	20	11	36	30	6	5	5	0
55 - 64	45	29	16	24	11	13	18	15	3	1	1	0
65 - 74	23	14	9	14	9	5	7	4	3	0	0	0
75+	14	8	6	10	5	5	3	3	0	1	1	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, 2019



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, 2019

	Live Births		All Deaths		Infant Deaths		Neonatal Deaths	
County	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	134,247	10.5	133,932	10.5	788	5.9	549	4.1
Adams	937	9.1	1,033	10.0	3	ND	2	ND
Allegheny	12,905	10.6	13,643	11.2	83	6.4	60	4.6
Armstrong	617	9.5	845	13.1	8	ND	6	ND
Beaver	1,557	9.5	2,194	13.4	19	12.2	13	8.3
Bedford	455	9.5	584	12.2	2	ND	1	ND
Berks	4,700	11.2	4,081	9.7	38	8.1	27	5.7
Blair	1,201	9.9	1,590	13.1	4	ND	3	ND
Bradford	624	10.3	714	11.8	7	ND	2	ND
Bucks	5,602	8.9	6,170	9.8	16	2.9	8	ND
Butler	1,618	8.6	2,106	11.2	8	ND	6	ND
Cambria	1,227	9.4	1,882	14.5	13	10.6	7	ND
Cameron	25	5.6	55	12.4	0	ND	0	ND
Carbon	525	8.2	750	11.7	1	ND	1	ND
Centre	1,084	6.7	1,010	6.2	9	ND	6	ND
Chester	5,322	10.1	4,094	7.8	26	4.9	17	3.2
Clarion	395	10.3	421	11.0	3	ND	3	ND
Clearfield	724	9.1	994	12.5	5	ND	4	ND
Clinton	405	10.5	446	11.5	3	ND	2	ND
Columbia	567	8.7	697	10.7	2	ND	1	ND
Crawford	893	10.6	1,025	12.1	6	ND	5	ND
Cumberland	2,595	10.2	2,373	9.4	11	4.2	9	ND
Dauphin	3,271	11.8	2,588	9.3	18	5.5	13	4.0
Delaware	6,342	11.2	5,629	9.9	47	7.4	39	6.1
Elk	296	9.9	367	12.3	0	ND	0	ND
Erie	2,781	10.3	2,925	10.8	16	5.8	11	4.0
Fayette	1,214	9.4	1,794	13.9	7	ND	5	ND
Forest	35	4.8	96	13.2	0	ND	0	ND
Franklin	1,730	11.2	1,570	10.1	7	ND	4	ND
Fulton	143	9.8	159	10.9	1	ND	1	ND
Greene	324	8.9	455	12.6	3	ND	0	ND
Huntingdon	371	8.2	465	10.3	4	ND	3	ND
Indiana	798	9.5	905	10.8	1	ND	1	ND
Jefferson	478	11.0	533	12.3	2	ND	2	ND
Juniata	263	10.6	262	10.6	1	ND	1	ND
Lackawanna	2,054	9.8	2,536	12.1	13	6.3	9	ND
Lancaster	6,894	12.6	5,108	9.4	40	5.8	30	4.4
Lawrence	823	9.6	1,177	13.8	3	ND	2	ND
Lebanon	1,603	11.3	1,543	10.9	3	ND	2	ND
Lehigh	4,293	11.6	3,435	9.3	22	5.1	15	3.5
Luzerne	3,255	10.3	4,205	13.2	18	5.5	10	3.1
Lycoming	1,188	10.5	1,353	11.9	7	ND	5	ND
McKean	368	9.1	537	13.2	1	ND	1	ND
Mercer	1,015	9.3	1,454	13.3	7	ND	4	ND
Mifflin	546	11.8	580	12.6	3	ND	0	ND
Monroe	1,474	8.7	1,559	9.2	5	ND	2	ND
Montgomery	8,448	10.2	7,873	9.5	34	4.0	28	3.3
Montour	242	13.3	211	11.6	1	ND	1	ND
Northampton	2,762	9.0	3,006	9.8	15	5.4	13	4.7
Northumberland	922	10.1	1,191	13.1	6	ND	4	ND
Perry	544	11.8	450	9.7	5	ND	3	ND
Philadelphia	20,510	12.9	14,190	9.0	146	7.1	102	5.0
Pike	399	7.1	507	9.1	2	ND	2	ND
Potter	164	9.9	217	13.1	0	ND	0	ND
Schuylkill	1,333	9.4	1,926	13.6	15	11.3	9	ND
Snyder	399	9.9	406	10.1	0	ND	0	ND
Somerset	623	8.5	994	13.5	3	ND	2	ND
Sullivan	54	8.9	109	18.0	0	ND	0	ND
Susquehanna	359	8.9	471	11.7	3	ND	2	ND
Tioga	401	9.9	457	11.3	0	ND	0	ND
Union	387	8.6	367	8.2	0	ND	0	ND
Venango	430	8.5	684	13.5	5	ND	3	ND
Warren	381	9.7	483	12.3	0	ND	0	ND
Washington	1,972	9.5	2,604	12.6	12	6.1	7	ND
Wayne	391	7.6	626	12.2	1	ND	0	ND
Westmoreland	3,008	8.6	4,592	13.2	21	7.0	17	5.7
Wyoming	240	9.0	332	12.4	1	ND	0	ND
York	4,741	10.6	4,294	9.6	22	4.6	13	2.7

* Birth and total death crude rates per 1,000 population, 2019. 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, 2015-2019

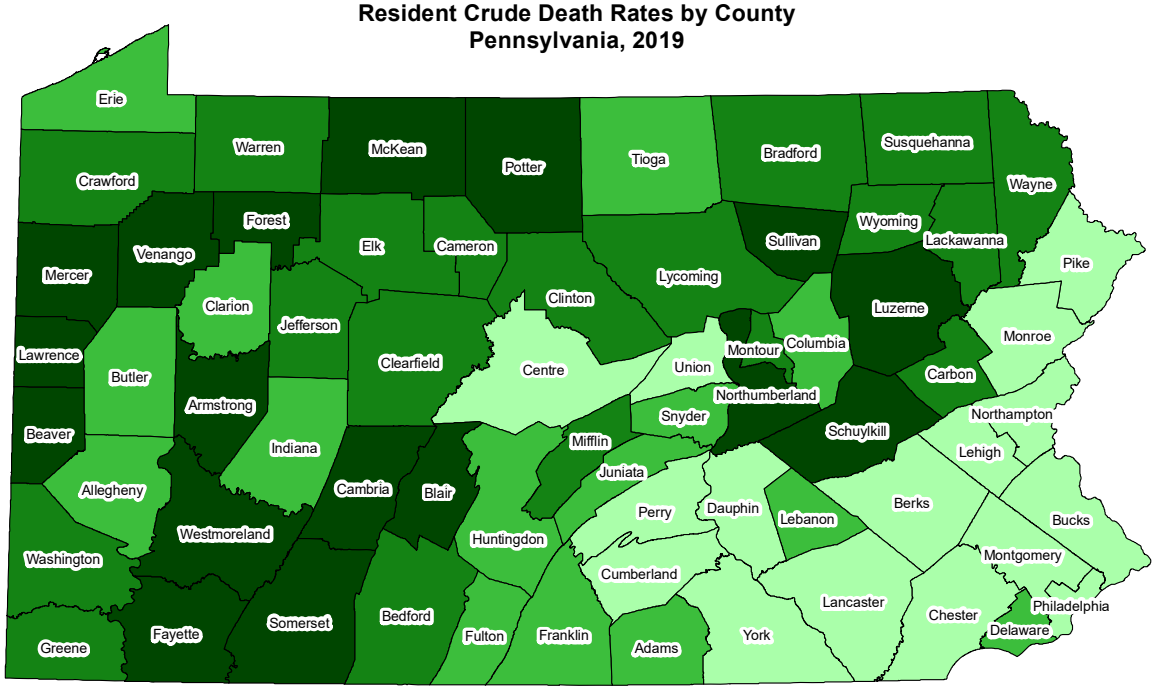
County	All Deaths 2015-2019		Infant Deaths 2015-2019		Neonatal Deaths 2015-2019	
	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	669,156	10.5	4,154	6.0	2,953	4.3
Adams	5,313	10.4	23	4.7	14	2.9
Allegheny	69,234	11.3	394	6.0	285	4.4
Armstrong	4,240	12.9	19	6.3	13	4.3
Beaver	10,982	13.2	58	7.2	37	4.6
Bedford	2,928	12.1	12	5.1	7	ND
Berks	20,069	9.6	155	6.6	117	5.0
Blair	8,076	13.1	39	6.3	27	4.3
Bradford	3,515	11.6	16	4.8	6	ND
Bucks	30,598	9.7	99	3.4	73	2.5
Butler	10,123	10.8	35	4.0	24	2.7
Cambria	9,503	14.3	43	6.7	27	4.2
Cameron	317	13.8	0	ND	0	ND
Carbon	4,031	12.6	8	ND	5	ND
Centre	4,968	6.1	25	4.2	17	2.9
Chester	20,162	7.8	113	4.2	84	3.1
Clarion	2,116	10.9	17	8.6	11	5.6
Clearfield	4,826	12.1	30	8.2	23	6.3
Clinton	2,093	10.7	12	5.9	8	ND
Columbia	3,568	10.8	16	5.8	9	ND
Crawford	5,101	11.9	42	9.0	31	6.7
Cumberland	11,989	9.6	70	5.3	59	4.5
Dauphin	12,841	9.3	120	7.1	83	4.9
Delaware	27,577	9.8	220	6.8	175	5.4
Elk	1,940	12.8	7	ND	5	ND
Erie	14,643	10.7	99	6.7	68	4.6
Fayette	9,073	13.8	48	7.3	35	5.3
Forest	436	11.9	0	ND	0	ND
Franklin	7,974	10.3	50	5.6	38	4.3
Fulton	815	11.2	9	ND	5	ND
Greene	2,254	12.2	10	5.5	4	ND
Huntingdon	2,416	10.6	23	11.8	18	9.2
Indiana	4,648	10.9	17	4.3	15	3.8
Jefferson	2,803	12.8	11	4.6	9	ND
Juniata	1,292	10.5	11	7.9	9	ND
Lackawanna	13,394	12.7	73	6.9	52	4.9
Lancaster	25,614	9.5	198	5.6	145	4.1
Lawrence	5,973	13.8	24	5.4	13	2.9
Lebanon	7,632	10.9	38	4.8	27	3.4
Lehigh	17,184	9.4	126	5.9	93	4.4
Luzerne	20,481	12.9	100	6.2	58	3.6
Lycoming	6,494	11.4	38	6.3	28	4.7
McKean	2,639	12.7	12	6.3	9	ND
Mercer	7,353	13.2	38	6.9	27	4.9
Mifflin	2,841	12.3	31	10.7	15	5.2
Monroe	7,532	9.0	49	6.6	33	4.5
Montgomery	38,493	9.3	191	4.4	139	3.2
Montour	1,131	12.3	9	ND	7	ND
Northampton	15,249	10.1	62	4.4	46	3.3
Northumberland	5,965	13.0	23	5.0	15	3.2
Perry	2,333	10.1	15	5.7	9	ND
Philadelphia	71,385	9.1	861	8.1	617	5.8
Pike	2,609	9.4	9	ND	6	ND
Potter	1,053	12.5	5	ND	4	ND
Schuylkill	9,814	13.7	56	8.5	41	6.2
Snyder	1,812	8.9	7	ND	3	ND
Somerset	4,927	13.2	15	4.4	10	2.9
Sullivan	499	16.3	0	ND	0	ND
Susquehanna	2,447	12.0	11	5.9	5	ND
Tioga	2,318	11.3	7	ND	6	ND
Union	1,854	8.2	5	ND	4	ND
Venango	3,261	12.6	24	9.8	17	6.9
Warren	2,521	12.7	8	ND	4	ND
Washington	12,904	12.4	49	5.0	32	3.2
Wayne	3,091	12.1	8	ND	4	ND
Westmoreland	23,039	13.0	73	4.8	56	3.7
Wyoming	1,676	12.3	7	ND	4	ND
York	21,174	9.5	131	5.4	83	3.4

* Crude death rate per 1,000 population for each county, 2015-2019. Infant and neonatal death rates per 1,000 live births for each county, 2015-2019.

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, 2019



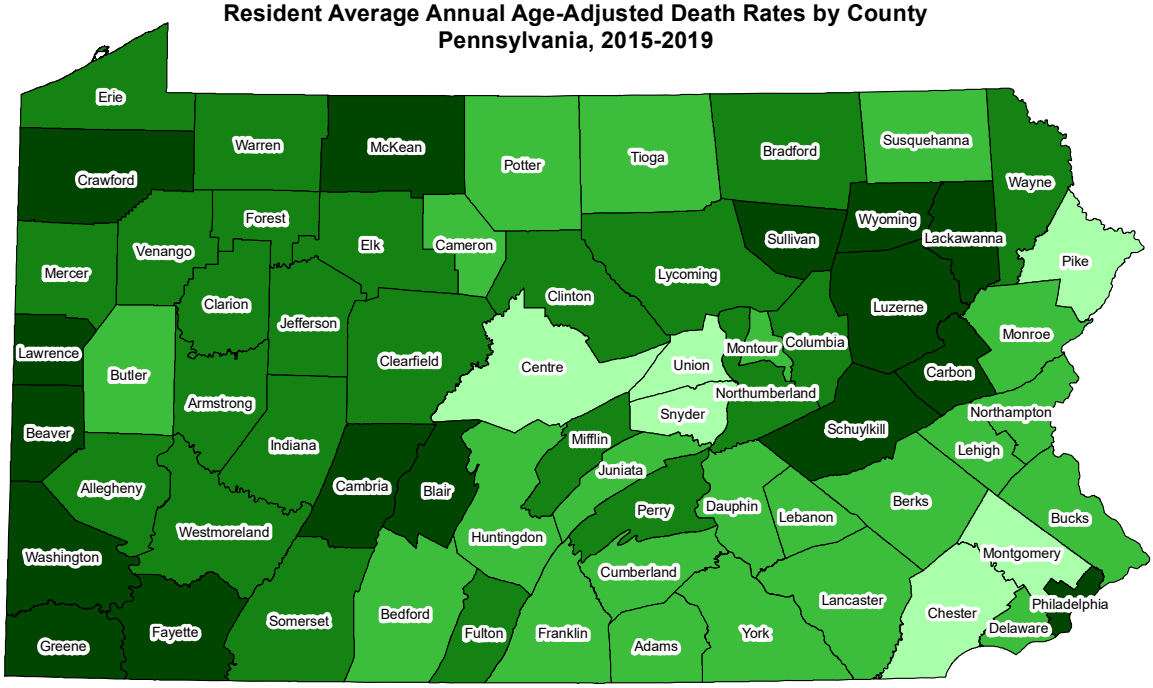
Rate

6.2 - 9.8 **9.9 - 11.3** **11.4 - 12.6** **12.7 - 18.0**

Note: Rate per 1,000 population, 2019. See Table C-24 for county rates.

Figure C-28

Resident Average Annual Age-Adjusted Death Rates by County
Pennsylvania, 2015-2019



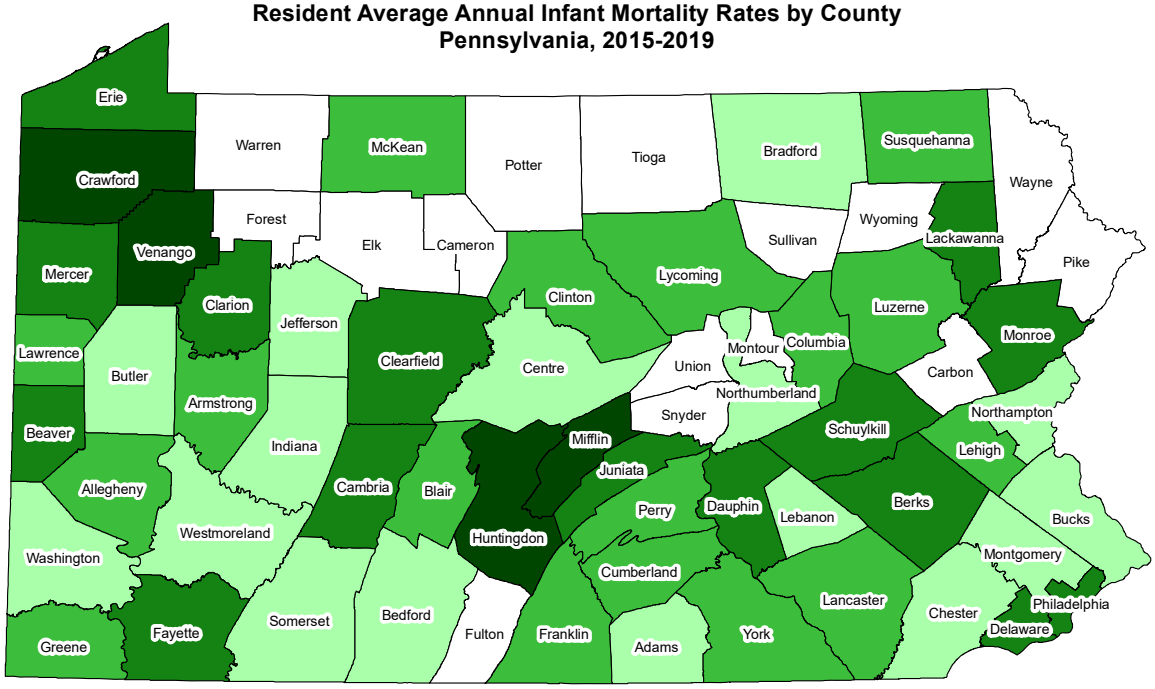
Rate

5.7 - 6.6 **6.7 - 7.6** **7.7 - 8.3** **8.4 - 9.2**

Note: Rate per 1,000 population, 2015-2019. See Table C-27 for county rates.

Figure C-29

Resident Average Annual Infant Mortality Rates by County
Pennsylvania, 2015-2019

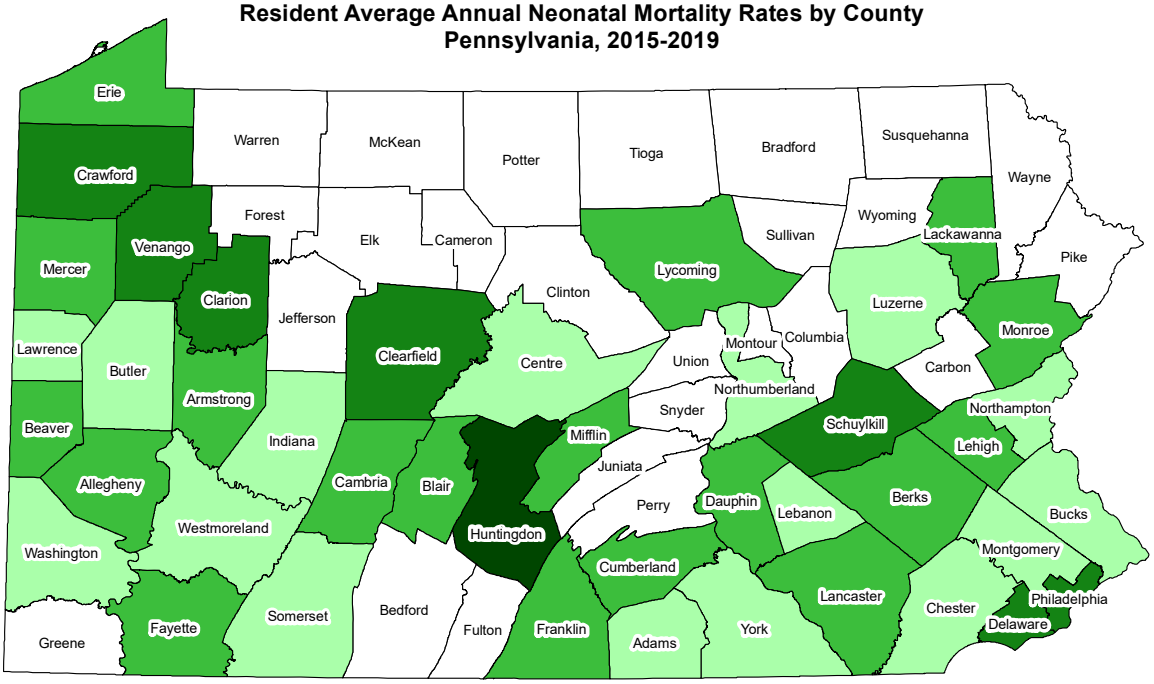


Rate

3.4 - 5.1 | **5.2 - 6.3** | **6.4 - 8.6** | **8.7 - 11.8** | **Less than 10 events - statistically unreliable**

Figure C-30

Resident Average Annual Neonatal Mortality Rates by County
Pennsylvania, 2015-2019



Rate

2.5 - 3.8 | **3.9 - 5.3** | **5.4 - 6.9** | **7.0 - 9.2** | **Less than 10 events - statistically unreliable**

Note: Rate per 1,000 live births, 2015-2019. 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, 2019

	Total*			Male			Female		
County	Number	Rate	CI (95%)	Number	Rate	CI (95%)	Number	Rate	CI (95%)
Pennsylvania	133,932	7.5	7.46-7.54	66,994	9.0	8.93-9.07	66,938	6.3	6.25-6.35
Adams	1,033	6.6	6.20-7.00	518	7.6	6.95-8.25	515	5.8	5.30-6.30
Allegheny	13,643	7.7	7.57-7.83	6,700	9.4	9.17-9.63	6,943	6.4	6.25-6.55
Armstrong	845	8.2	7.65-8.75	455	10.1	9.17-11.03	390	6.5	5.85-7.15
Beaver	2,194	8.4	8.05-8.75	1,079	10.0	9.40-10.60	1,115	7.2	6.78-7.62
Bedford	584	7.4	6.80-8.00	295	8.6	7.62-9.58	289	6.3	5.57-7.03
Berks	4,081	7.2	6.98-7.42	2,043	8.5	8.13-8.87	2,038	6.1	5.84-6.36
Blair	1,590	8.3	7.89-8.71	814	10.4	9.69-11.11	776	6.7	6.23-7.17
Bradford	714	7.7	7.14-8.26	351	8.3	7.43-9.17	363	7.1	6.37-7.83
Bucks	6,170	6.8	6.63-6.97	3,089	8.1	7.81-8.39	3,081	5.7	5.50-5.90
Butler	2,106	7.7	7.37-8.03	1,001	8.8	8.25-9.35	1,105	6.8	6.40-7.20
Cambria	1,882	8.8	8.40-9.20	880	10.1	9.43-10.77	1,002	7.7	7.22-8.18
Cameron	55	5.9	4.34-7.46	31	7.8	5.05-10.55	24	4.2	2.52-5.88
Carbon	750	7.8	7.24-8.36	390	9.2	8.29-10.11	360	6.6	5.92-7.28
Centre	1,010	5.6	5.25-5.95	497	6.2	5.65-6.75	513	5.1	4.66-5.54
Chester	4,094	6.2	6.01-6.39	2,011	7.1	6.79-7.41	2,083	5.4	5.17-5.63
Clarion	421	7.8	7.05-8.55	211	9.0	7.79-10.21	210	6.7	5.79-7.61
Clearfield	994	8.2	7.69-8.71	489	9.1	8.29-9.91	505	7.2	6.57-7.83
Clinton	446	8.1	7.35-8.85	219	9.1	7.89-10.31	227	7.1	6.18-8.02
Columbia	697	7.4	6.85-7.95	365	9.2	8.26-10.14	332	5.8	5.18-6.42
Crawford	1,025	8.3	7.79-8.81	537	9.9	9.06-10.74	488	7.0	6.38-7.62
Cumberland	2,373	6.6	6.33-6.87	1,156	7.8	7.35-8.25	1,217	5.7	5.38-6.02
Dauphin	2,588	7.3	7.02-7.58	1,281	8.6	8.13-9.07	1,307	6.3	5.96-6.64
Delaware	5,629	7.6	7.40-7.80	2,723	9.0	8.66-9.34	2,906	6.4	6.17-6.63
Elk	367	7.4	6.64-8.16	192	9.1	7.81-10.39	175	5.9	5.03-6.77
Erie	2,925	7.9	7.61-8.19	1,483	9.4	8.92-9.88	1,442	6.6	6.26-6.94
Fayette	1,794	8.9	8.49-9.31	920	10.9	10.20-11.60	874	7.4	6.91-7.89
Forest	96	8.5	6.80-10.20	53	8.7	6.36-11.04	43	8.4	5.89-10.91
Franklin	1,570	6.8	6.46-7.14	811	8.2	7.64-8.76	759	5.7	5.29-6.11
Fulton	159	7.5	6.33-8.67	84	8.4	6.60-10.20	75	6.6	5.11-8.09
Greene	455	9.2	8.35-10.05	230	10.1	8.79-11.41	225	8.1	7.04-9.16
Huntingdon	465	6.8	6.18-7.42	252	8.1	7.10-9.10	213	5.6	4.85-6.35
Indiana	905	7.7	7.20-8.20	454	9.0	8.17-9.83	451	6.4	5.81-6.99
Jefferson	533	7.9	7.23-8.57	286	9.7	8.58-10.82	247	6.4	5.60-7.20
Juniata	262	7.0	6.15-7.85	125	7.4	6.10-8.70	137	6.6	5.49-7.71
Lackawanna	2,536	8.0	7.69-8.31	1,273	9.9	9.36-10.44	1,263	6.5	6.14-6.86
Lancaster	5,108	6.5	6.32-6.68	2,543	7.7	7.40-8.00	2,565	5.5	5.29-5.71
Lawrence	1,177	8.4	7.92-8.88	590	10.3	9.47-11.13	587	6.8	6.25-7.35
Lebanon	1,543	7.3	6.94-7.66	804	9.0	8.38-9.62	739	5.9	5.47-6.33
Lehigh	3,435	7.0	6.77-7.23	1,673	8.3	7.90-8.70	1,762	6.0	5.72-6.28
Luzerne	4,205	8.8	8.53-9.07	2,098	10.8	10.34-11.26	2,107	7.2	6.89-7.51
Lycoming	1,353	8.2	7.76-8.64	688	9.7	8.98-10.42	665	7.0	6.47-7.53
McKean	537	8.8	8.06-9.54	268	10.1	8.89-11.31	269	7.6	6.69-8.51
Mercer	1,454	8.2	7.78-8.62	735	9.9	9.18-10.62	719	6.8	6.30-7.30
Mifflin	580	7.8	7.17-8.43	285	9.0	7.96-10.04	295	7.0	6.20-7.80
Monroe	1,559	7.4	7.03-7.77	848	8.6	8.02-9.18	711	6.3	5.84-6.76
Montgomery	7,873	6.6	6.45-6.75	3,804	7.9	7.65-8.15	4,069	5.6	5.43-5.77
Montour	211	6.9	5.97-7.83	107	9.7	7.86-11.54	104	4.9	3.96-5.84
Northampton	3,006	6.6	6.36-6.84	1,485	7.8	7.40-8.20	1,521	5.6	5.32-5.88
Northumberland	1,191	8.4	7.92-8.88	574	9.4	8.63-10.17	617	7.6	7.00-8.20
Perry	450	7.6	6.90-8.30	229	8.8	7.66-9.94	221	6.7	5.82-7.58
Philadelphia	14,190	8.3	8.16-8.44	7,155	10.1	9.87-10.33	7,035	6.8	6.64-6.96
Pike	507	6.0	5.48-6.52	273	7.0	6.17-7.83	234	5.2	4.53-5.87
Potter	217	7.5	6.50-8.50	122	9.7	7.98-11.42	95	6.0	4.79-7.21
Schuylkill	1,926	9.1	8.69-9.51	995	11.1	10.41-11.79	931	7.4	6.92-7.88
Snyder	406	6.9	6.23-7.57	199	7.8	6.72-8.88	207	6.1	5.27-6.93
Somerset	994	8.0	7.50-8.50	489	9.1	8.29-9.91	505	7.0	6.39-7.61
Sullivan	109	8.4	6.82-9.98	63	10.9	8.21-13.59	46	6.0	4.27-7.73
Susquehanna	471	6.9	6.28-7.52	249	8.1	7.09-9.11	222	5.8	5.04-6.56
Tioga	457	7.1	6.45-7.75	216	7.3	6.33-8.27	241	6.9	6.03-7.77
Union	367	5.5	4.94-6.06	184	6.5	5.56-7.44	183	4.6	3.93-5.27
Venango	684	8.3	7.68-8.92	363	10.3	9.24-11.36	321	6.9	6.15-7.65
Warren	483	7.2	6.56-7.84	277	9.0	7.94-10.06	206	5.5	4.75-6.25
Washington	2,604	8.4	8.08-8.72	1,341	10.2	9.65-10.75	1,263	7.0	6.61-7.39
Wayne	626	7.8	7.19-8.41	338	8.9	7.95-9.85	288	6.8	6.01-7.59
Westmoreland	4,592	7.9	7.67-8.13	2,295	9.5	9.11-9.89	2,297	6.6	6.33-6.87
Wyoming	332	8.5	7.59-9.41	174	9.6	8.17-11.03	158	7.5	6.33-8.67
York	4,294	7.3	7.08-7.52	2,232	8.7	8.34-9.06	2,062	6.0	5.74-6.26

*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, 2015-2019

	Total*			Male			Female		
County	Number	Rate	CI (95%)	Number	Rate	CI (95%)	Number	Rate	CI (95%)
Pennsylvania	669,156	7.6	7.58-7.62	332,502	9.1	9.07-9.13	336,651	6.4	6.38-6.42
Adams	5,313	7.1	6.91-7.29	2,708	8.3	7.99-8.61	2,605	6.1	5.87-6.33
Allegheny	69,234	7.8	7.74-7.86	33,803	9.5	9.40-9.60	35,431	6.5	6.43-6.57
Armstrong	4,240	8.2	7.95-8.45	2,188	9.9	9.49-10.31	2,052	6.8	6.51-7.09
Beaver	10,982	8.4	8.24-8.56	5,419	10.1	9.83-10.37	5,563	7.0	6.82-7.18
Bedford	2,928	7.5	7.23-7.77	1,536	9.0	8.55-9.45	1,392	6.2	5.87-6.53
Berks	20,069	7.3	7.20-7.40	10,107	8.7	8.53-8.87	9,962	6.1	5.98-6.22
Blair	8,076	8.5	8.31-8.69	4,027	10.5	10.18-10.82	4,049	7.0	6.78-7.22
Bradford	3,515	7.8	7.54-8.06	1,815	8.9	8.49-9.31	1,700	6.7	6.38-7.02
Bucks	30,598	7.0	6.92-7.08	15,191	8.2	8.07-8.33	15,407	5.9	5.81-5.99
Butler	10,123	7.6	7.45-7.75	4,915	8.9	8.65-9.15	5,208	6.6	6.42-6.78
Cambria	9,503	8.8	8.62-8.98	4,674	10.6	10.30-10.90	4,829	7.3	7.09-7.51
Cameron	317	7.1	6.32-7.88	158	8.6	7.26-9.94	159	5.9	4.98-6.82
Carbon	4,031	8.5	8.24-8.76	2,074	10.2	9.76-10.64	1,957	7.1	6.79-7.41
Centre	4,968	5.7	5.54-5.86	2,441	6.5	6.24-6.76	2,527	5.1	4.90-5.30
Chester	20,162	6.3	6.21-6.39	10,014	7.4	7.26-7.54	10,148	5.4	5.29-5.51
Clarion	2,116	7.9	7.56-8.24	1,063	9.0	8.46-9.54	1,053	6.9	6.48-7.32
Clearfield	4,826	8.0	7.77-8.23	2,373	9.2	8.83-9.57	2,453	7.0	6.72-7.28
Clinton	2,093	7.8	7.47-8.13	1,046	9.0	8.45-9.55	1,047	6.7	6.29-7.11
Columbia	3,568	7.8	7.54-8.06	1,770	9.2	8.77-9.63	1,798	6.6	6.29-6.91
Crawford	5,101	8.6	8.36-8.84	2,558	9.7	9.32-10.08	2,543	7.6	7.30-7.90
Cumberland	11,989	6.9	6.78-7.02	5,846	8.1	7.89-8.31	6,143	5.9	5.75-6.05
Dauphin	12,841	7.5	7.37-7.63	6,433	9.0	8.78-9.22	6,408	6.3	6.15-6.45
Delaware	27,577	7.5	7.41-7.59	13,273	9.0	8.85-9.15	14,303	6.4	6.30-6.50
Elk	1,940	7.9	7.55-8.25	987	9.5	8.91-10.09	953	6.5	6.09-6.91
Erie	14,643	8.0	7.87-8.13	7,280	9.5	9.28-9.72	7,363	6.8	6.64-6.96
Fayette	9,073	9.1	8.91-9.29	4,521	10.9	10.58-11.22	4,552	7.7	7.48-7.92
Forest	436	8.0	7.25-8.75	239	8.0	6.99-9.01	197	8.5	7.31-9.69
Franklin	7,974	7.2	7.04-7.36	4,061	8.6	8.34-8.86	3,913	6.0	5.81-6.19
Fulton	815	8.0	7.45-8.55	433	8.9	8.06-9.74	382	7.2	6.48-7.92
Greene	2,254	9.2	8.82-9.58	1,150	10.5	9.89-11.11	1,104	8.1	7.62-8.58
Huntingdon	2,416	7.4	7.10-7.70	1,226	8.4	7.93-8.87	1,190	6.5	6.13-6.87
Indiana	4,648	7.9	7.67-8.13	2,329	9.4	9.02-9.78	2,319	6.7	6.43-6.97
Jefferson	2,803	8.3	7.99-8.61	1,382	9.6	9.09-10.11	1,421	7.2	6.83-7.57
Juniata	1,292	7.1	6.71-7.49	669	8.3	7.67-8.93	623	5.9	5.44-6.36
Lackawanna	13,394	8.5	8.36-8.64	6,462	10.3	10.05-10.55	6,932	7.1	6.93-7.27
Lancaster	25,614	6.8	6.72-6.88	12,633	7.9	7.76-8.04	12,981	5.8	5.70-5.90
Lawrence	5,973	8.6	8.38-8.82	2,894	10.3	9.92-10.68	3,079	7.2	6.95-7.45
Lebanon	7,632	7.5	7.33-7.67	3,809	8.9	8.62-9.18	3,823	6.2	6.00-6.40
Lehigh	17,184	7.2	7.09-7.31	8,369	8.5	8.32-8.68	8,815	6.1	5.97-6.23
Luzerne	20,481	8.7	8.58-8.82	10,056	10.5	10.29-10.71	10,425	7.2	7.06-7.34
Lycoming	6,494	7.9	7.71-8.09	3,245	9.4	9.08-9.72	3,249	6.7	6.47-6.93
McKean	2,639	8.7	8.37-9.03	1,325	10.1	9.56-10.64	1,314	7.6	7.19-8.01
Mercer	7,353	8.2	8.01-8.39	3,711	9.9	9.58-10.22	3,642	6.8	6.58-7.02
Mifflin	2,841	7.9	7.61-8.19	1,439	9.3	8.82-9.78	1,402	6.8	6.44-7.16
Monroe	7,532	7.5	7.33-7.67	3,982	8.8	8.53-9.07	3,550	6.4	6.19-6.61
Montgomery	38,493	6.6	6.53-6.67	18,430	7.8	7.69-7.91	20,063	5.6	5.52-5.68
Montour	1,131	7.5	7.06-7.94	548	9.8	8.98-10.62	583	5.9	5.42-6.38
Northampton	15,249	6.9	6.79-7.01	7,480	8.2	8.01-8.39	7,769	5.8	5.67-5.93
Northumberland	5,965	8.3	8.09-8.51	2,930	9.7	9.35-10.05	3,035	7.0	6.75-7.25
Perry	2,333	8.3	7.96-8.64	1,229	9.9	9.35-10.45	1,104	6.9	6.49-7.31
Philadelphia	71,385	8.5	8.44-8.56	36,056	10.6	10.49-10.71	35,327	7.0	6.93-7.07
Pike	2,609	6.4	6.15-6.65	1,457	7.5	7.11-7.89	1,152	5.3	4.99-5.61
Potter	1,053	7.6	7.14-8.06	572	9.4	8.63-10.17	481	6.2	5.65-6.75
Schuylkill	9,814	9.2	9.02-9.38	5,003	11.0	10.70-11.30	4,811	7.6	7.39-7.81
Snyder	1,812	6.5	6.20-6.80	915	7.8	7.29-8.31	897	5.4	5.05-5.75
Somerset	4,927	8.0	7.78-8.22	2,517	9.4	9.03-9.77	2,410	6.7	6.43-6.97
Sullivan	499	8.4	7.66-9.14	292	10.6	9.38-11.82	207	6.5	5.61-7.39
Susquehanna	2,447	7.6	7.30-7.90	1,279	8.9	8.41-9.39	1,168	6.5	6.13-6.87
Tioga	2,318	7.4	7.10-7.70	1,212	8.5	8.02-8.98	1,106	6.4	6.02-6.78
Union	1,854	5.8	5.54-6.06	899	6.8	6.36-7.24	955	5.1	4.78-5.42
Venango	3,261	8.0	7.73-8.27	1,687	9.7	9.24-10.16	1,574	6.5	6.18-6.82
Warren	2,521	7.7	7.40-8.00	1,305	8.9	8.42-9.38	1,216	6.6	6.23-6.97
Washington	12,904	8.4	8.26-8.54	6,419	10.0	9.76-10.24	6,485	7.0	6.83-7.17
Wayne	3,091	7.9	7.62-8.18	1,625	8.9	8.47-9.33	1,466	6.9	6.55-7.25
Westmoreland	23,039	8.0	7.90-8.10	11,279	9.5	9.32-9.68	11,760	6.8	6.68-6.92
Wyoming	1,676	8.9	8.47-9.33	860	10.2	9.52-10.88	816	7.6	7.08-8.12
York	21,174	7.4	7.30-7.50	10,874	8.9	8.73-9.07	10,300	6.2	6.08-6.32

*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, 2015-2019

	Total*			Male			Female		
County	Number	Rate	CI (95%)	Number	Rate	CI (95%)	Number	Rate	CI (95%)
Pennsylvania	272,768	353.8	352.5-355.1	164,356	443.9	441.8-446.1	108,409	268.2	266.6-269.8
Adams	1,988	296.0	283.0-309.0	1,198	365.7	345.0-386.4	790	228.9	212.9-244.9
Allegheny	27,375	369.2	364.8-373.6	16,479	471.2	464.0-478.4	10,896	274.8	269.6-280.0
Armstrong	1,756	404.8	385.9-423.7	1,076	502.8	472.8-532.8	680	304.7	281.8-327.6
Beaver	4,383	406.6	394.6-418.6	2,613	508.4	488.9-527.9	1,770	309.5	295.1-323.9
Bedford	1,163	364.7	343.7-385.7	698	446.8	413.7-480.0	465	281.9	256.3-307.5
Berks	7,818	319.0	311.9-326.1	4,803	404.7	393.3-416.2	3,015	236.3	227.9-244.7
Blair	3,138	397.9	384.0-411.8	1,883	496.3	473.9-518.7	1,255	304.3	287.5-321.1
Bradford	1,433	362.2	343.5-381.0	863	446.6	416.8-476.4	570	278.9	256.0-301.8
Bucks	11,386	289.2	283.9-294.5	6,964	366.5	357.9-375.1	4,422	214.9	208.6-221.2
Butler	3,757	318.8	308.6-329.0	2,251	390.2	374.1-406.3	1,506	248.6	236.0-261.2
Cambria	3,794	443.1	429.0-457.2	2,298	551.6	529.1-574.2	1,496	335.1	318.1-352.1
Cameron	122	333.7	274.5-392.9	75	403.3	312.0-494.6	47	260.2	185.8-334.6
Carbon	1,746	406.7	387.6-425.8	1,059	501.3	471.1-531.5	687	311.1	287.8-334.4
Centre	1,743	211.5	201.6-221.4	1,055	251.0	235.9-266.2	688	170.5	157.8-183.2
Chester	7,372	240.9	235.4-246.4	4,490	304.8	295.9-313.7	2,882	179.5	173.0-186.1
Clarion	852	362.3	338.0-386.6	505	435.3	397.3-473.3	347	292.2	261.5-322.9
Clearfield	1,889	368.9	352.3-385.5	1,151	437.5	412.2-462.8	738	294.5	273.3-315.8
Clinton	811	346.4	322.6-370.2	473	419.4	381.6-457.2	338	274.9	245.6-304.2
Columbia	1,482	367.6	348.9-386.3	879	456.0	425.9-486.2	603	283.2	260.6-305.8
Crawford	2,151	384.8	368.5-401.1	1,238	459.0	433.4-484.6	913	314.5	294.1-334.9
Cumberland	4,367	287.5	279.0-296.0	2,607	353.7	340.1-367.3	1,760	223.8	213.3-234.3
Dauphin	5,851	358.2	349.0-367.4	3,464	444.8	430.0-459.6	2,387	278.6	267.4-289.8
Delaware	11,200	349.3	342.8-355.8	6,661	443.4	432.8-454.1	4,538	263.8	256.1-271.5
Elk	705	356.1	329.8-382.4	441	444.2	402.7-485.7	264	265.4	233.4-297.4
Erie	6,314	384.4	374.9-393.9	3,763	474.4	459.2-489.6	2,551	296.9	285.4-308.4
Fayette	4,021	470.3	455.8-484.8	2,441	584.4	561.2-607.6	1,580	357.1	339.5-374.7
Forest	195	360.3	309.7-410.9	123	385.6	317.5-453.8	72	374.5	288.0-461.0
Franklin	3,080	325.4	313.9-336.9	1,846	404.7	386.2-423.2	1,234	250.3	236.3-264.3
Fulton	355	378.5	339.1-417.9	212	442.9	383.3-502.5	143	313.1	261.8-364.4
Greene	1,055	443.7	416.9-470.5	628	511.0	471.0-551.0	427	374.3	338.8-409.8
Huntingdon	962	333.7	312.6-354.8	588	389.2	357.7-420.7	374	272.5	244.9-300.1
Indiana	1,870	372.3	355.4-389.2	1,144	454.2	427.9-480.5	726	288.9	267.9-309.9
Jefferson	1,057	370.1	347.8-392.4	642	452.5	417.5-487.5	415	287.9	260.2-315.6
Juniata	509	332.4	303.5-361.3	316	406.8	362.0-451.7	193	255.3	219.3-291.3
Lackawanna	5,314	408.6	397.6-419.6	3,210	514.7	496.9-532.5	2,104	308.1	294.9-321.3
Lancaster	8,958	286.5	280.6-292.4	5,379	358.7	349.1-368.3	3,579	218.0	210.9-225.1
Lawrence	2,338	434.0	416.4-451.6	1,376	538.6	510.1-567.1	962	333.9	312.8-355.0
Lebanon	2,828	334.6	322.3-346.9	1,733	423.8	403.9-443.8	1,095	248.3	233.6-263.0
Lehigh	6,420	304.5	297.1-312.0	3,838	378.7	366.7-390.7	2,582	235.3	226.2-244.4
Luzerne	8,451	427.8	418.7-436.9	5,122	532.7	518.1-547.3	3,329	324.3	313.3-335.3
Lycoming	2,552	359.3	345.4-373.2	1,523	440.3	418.2-462.4	1,029	281.7	264.5-298.9
McKean	1,082	408.9	384.5-433.3	635	476.9	439.8-514.0	447	338.0	306.7-369.3
Mercer	2,824	397.4	382.7-412.1	1,707	490.8	467.5-514.1	1,117	306.6	288.6-324.6
Mifflin	1,094	378.0	355.6-400.4	640	442.8	408.5-477.1	454	318.5	289.2-347.8
Monroe	3,681	350.0	338.7-361.3	2,264	437.6	419.6-455.6	1,417	264.7	250.9-278.5
Montgomery	13,207	266.0	261.5-270.5	7,942	335.8	328.4-343.2	5,265	201.3	195.9-206.7
Montour	415	359.4	324.8-394.0	240	449.4	392.5-506.3	175	275.0	234.3-315.7
Northampton	5,653	301.0	293.2-308.9	3,409	377.4	364.7-390.1	2,244	228.0	218.6-237.4
Northumberland	2,456	408.8	392.6-425.0	1,485	501.9	476.4-527.4	971	315.2	295.4-335.0
Perry	1,112	378.2	356.0-400.4	679	457.2	422.8-491.6	433	297.0	269.0-325.0
Philadelphia	38,133	468.7	464.0-473.4	22,800	615.2	607.2-623.2	15,331	343.8	338.4-349.2
Pike	1,243	319.2	301.5-337.0	773	396.5	368.6-424.5	470	241.7	219.9-263.6
Potter	450	385.8	350.2-421.5	267	461.9	406.5-517.3	183	309.4	264.6-354.2
Schuylkill	4,089	448.7	435.0-462.5	2,531	549.7	528.3-571.1	1,558	344.0	326.9-361.1
Snyder	680	274.5	253.9-295.1	413	341.8	308.8-374.8	267	208.4	183.4-233.4
Somerset	1,894	377.2	360.2-394.2	1,187	454.9	429.0-480.8	707	292.6	271.0-314.2
Sullivan	204	396.2	341.8-450.6	137	502.8	418.6-587.0	67	285.2	216.9-353.5
Susquehanna	1,039	355.9	334.3-377.5	649	442.3	408.3-476.3	390	268.2	241.6-294.8
Tioga	898	328.6	307.1-350.1	537	398.7	365.0-432.4	361	259.3	232.6-286.1
Union	591	228.5	210.1-246.9	356	263.9	236.5-291.3	235	192.2	167.6-216.8
Venango	1,404	390.2	369.8-410.6	848	486.3	453.6-519.0	556	294.3	269.8-318.8
Warren	948	337.9	316.4-359.4	572	406.7	373.4-440.0	376	269.7	242.4-297.0
Washington	5,348	400.4	389.7-411.1	3,229	499.8	482.6-517.0	2,119	303.6	290.7-316.5
Wayne	1,264	348.3	329.1-367.5	792	418.4	389.3-447.5	472	268.5	244.3-292.7
Westmoreland	8,713	371.1	363.3-378.9	5,264	463.7	451.2-476.2	3,449	281.9	272.5-291.3
Wyoming	767	428.4	398.1-458.7	467	526.3	478.6-574.0	300	329.3	292.0-366.6
York	9,018	334.2	327.3-341.1	5,425	417.2	406.1-428.3	3,593	253.6	245.3-261.9

*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, 2015-2019

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	175.3	174.4-176.2	160.0	159.2-160.8	36.4	36.0-36.8	36.2	35.8-36.6	61.0	60.4-61.6
Adams	177.5	168.2-186.8	148.7	140.0-157.4	30.3	26.4-34.2	32.7	28.7-36.7	48.4	42.7-54.1
Allegheny	186.5	183.7-189.3	162.5	159.8-165.2	34.1	32.9-35.3	37.5	36.2-38.8	71.0	69.0-73.0
Armstrong	175.5	164.5-186.5	155.5	144.9-166.1	39.4	34.1-44.7	44.1	38.5-49.7	87.7	77.8-97.6
Beaver	195.1	187.8-202.4	157.7	151.0-164.5	39.6	36.3-42.9	42.1	38.7-45.5	71.9	66.3-77.5
Bedford	179.0	166.1-191.9	149.4	137.4-161.4	42.4	36.1-48.7	30.6	25.3-35.9	62.9	53.4-72.4
Berks	172.2	167.4-177.0	156.9	152.2-161.6	46.5	44.0-49.0	33.9	31.7-36.1	48.9	46.0-51.8
Blair	206.3	197.4-215.2	160.4	152.3-168.5	34.2	30.6-37.8	35.7	32.0-39.4	63.5	57.5-69.5
Bradford	187.2	174.9-199.5	158.3	146.8-169.8	25.8	21.3-30.3	49.4	43.1-55.7	64.5	55.9-73.1
Bucks	138.5	135.1-141.9	147.8	144.2-151.4	33.3	31.6-35.0	32.7	31.0-34.4	59.0	56.4-61.6
Butler	170.9	164.0-177.8	157.2	150.5-163.9	37.5	34.3-40.7	41.6	38.2-45.0	63.3	58.3-68.3
Cambria	188.4	180.5-196.3	171.5	163.8-179.2	34.8	31.4-38.2	41.6	37.9-45.3	99.0	91.6-106.4
Cameron	163.4	125.9-200.9	173.2	134.3-212.1	ND	ND	ND	ND	ND	ND
Carbon	182.5	170.7-194.4	164.7	153.4-176.0	31.5	26.5-36.5	37.9	32.5-43.3	84.8	74.9-94.8
Centre	150.4	142.3-158.5	122.5	115.1-129.9	31.0	27.3-34.7	25.0	21.7-28.3	32.3	28.4-36.2
Chester	147.7	143.6-151.8	138.5	134.5-142.6	36.1	34.0-38.2	29.3	27.4-31.2	45.6	43.0-48.2
Clarion	192.0	175.7-208.3	161.4	146.5-176.4	38.6	31.3-45.9	42.0	34.5-49.6	51.1	41.2-61.0
Clearfield	185.3	174.7-195.9	163.5	153.4-173.6	33.9	29.4-38.4	43.7	38.5-48.9	55.6	48.7-62.6
Clinton	212.5	195.4-229.7	160.8	145.7-175.9	23.1	17.5-28.7	45.0	37.1-52.9	46.2	37.3-55.1
Columbia	194.2	181.8-206.6	154.4	143.2-165.6	31.1	26.2-36.0	40.6	34.9-46.3	55.0	47.2-62.8
Crawford	188.2	177.4-199.0	172.0	161.8-182.3	42.5	37.4-47.7	51.7	46.1-57.3	64.8	57.4-72.2
Cumberland	176.5	170.4-182.6	145.5	139.8-151.2	34.2	31.5-36.9	33.8	31.1-36.5	42.2	38.8-45.7
Dauphin	179.5	173.3-185.8	155.4	149.6-161.2	32.0	29.4-34.6	30.4	27.8-33.0	59.2	55.2-63.2
Delaware	168.4	164.3-172.5	160.9	156.8-165.0	42.6	40.5-44.7	36.4	34.5-38.4	57.1	54.4-59.8
Elk	170.6	154.8-186.4	171.3	155.3-187.3	27.5	21.2-33.9	43.1	35.0-51.2	82.5	68.9-96.1
Erie	164.7	158.9-170.5	168.0	162.1-173.9	36.0	33.3-38.7	42.2	39.3-45.2	54.0	50.2-57.8
Fayette	224.3	215.3-233.3	182.5	174.2-190.8	34.3	30.8-37.8	51.4	47.1-55.7	85.2	78.2-92.2
Forest	171.1	136.5-205.7	149.7	117.9-181.5	ND	ND	64.0	43.1-84.9	41.4	24.1-58.7
Franklin	160.8	153.5-168.1	160.2	152.8-167.6	30.1	27.0-33.2	31.6	28.4-34.8	46.1	41.5-50.7
Fulton	194.3	167.6-221.0	184.9	160.0-209.9	43.6	31.1-56.1	25.2	15.7-34.7	84.7	63.6-105.8
Greene	229.6	211.0-248.2	184.3	167.7-200.9	35.1	27.9-42.4	73.6	63.1-84.1	74.2	62.1-86.3
Huntingdon	162.9	149.3-176.5	153.6	140.4-166.8	39.2	32.5-45.9	43.1	36.2-50.0	53.9	44.8-63.0
Indiana	168.3	158.0-178.6	139.4	130.0-148.8	38.0	33.2-42.9	29.1	24.8-33.4	92.5	83.5-101.5
Jefferson	183.9	169.9-197.9	174.8	160.7-188.9	41.0	34.3-47.7	37.5	31.1-43.9	64.4	54.4-74.4

(Continued)

Table C-29

Average Annual Age-Adjusted Death Rates* and 95% Confidence Intervals for Selected Causes of Death by County, Pennsylvania Residents, 2015-2019

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	168.0	149.6-186.4	150.6	133.1-168.2	30.4	22.8-38.0	35.6	27.2-44.0	55.7	42.9-68.5
Lackawanna	218.1	211.1-225.1	173.9	167.4-180.5	33.2	30.4-36.0	40.5	37.4-43.6	65.7	60.9-70.5
Lancaster	150.5	146.7-154.3	146.0	142.1-149.9	38.8	36.9-40.7	31.5	29.7-33.3	50.8	48.2-53.4
Lawrence	201.2	191.1-211.3	174.3	164.5-184.1	31.9	27.9-35.9	41.8	37.1-46.5	87.3	78.5-96.2
Lebanon	181.4	173.3-189.5	158.7	151.0-166.4	38.0	34.3-41.7	35.4	31.8-39.0	48.3	43.3-53.3
Lehigh	149.6	144.8-154.4	151.0	146.0-156.0	31.2	29.0-33.4	28.9	26.8-31.1	54.3	51.1-57.5
Luzerne	199.4	193.9-204.9	166.0	160.8-171.2	33.1	30.9-35.3	38.5	36.1-41.0	69.7	65.7-73.7
Lycoming	159.4	151.0-167.8	169.9	161.0-178.8	35.8	31.8-39.8	47.6	42.9-52.3	43.6	38.5-48.7
McKean	206.0	190.2-221.8	177.7	162.6-192.8	28.7	22.8-34.6	59.8	51.2-68.4	49.5	40.4-58.6
Mercer	192.6	183.9-201.4	165.2	156.7-173.7	31.1	27.6-34.6	40.8	36.7-44.9	65.2	58.8-71.6
Mifflin	165.0	152.2-177.8	181.6	167.8-195.4	33.2	27.6-38.8	40.3	34.1-46.5	52.8	43.8-61.8
Monroe	177.0	168.8-185.2	167.4	159.7-175.1	28.8	25.5-32.1	35.2	31.6-38.8	64.0	58.6-69.4
Montgomery	146.6	143.6-149.6	144.3	141.2-147.4	43.7	42.1-45.3	28.9	27.5-30.3	45.1	43.2-47.0
Montour	119.3	102.5-136.1	152.8	132.7-172.9	30.4	22.1-38.7	42.4	32.1-52.7	59.7	46.3-73.1
Northampton	149.2	144.3-154.1	156.9	151.6-162.2	27.2	25.1-29.3	30.5	28.2-32.8	53.1	49.7-56.6
Northumberland	203.3	193.1-213.5	172.7	163.2-182.3	32.3	28.4-36.2	43.7	39.0-48.4	65.1	58.1-72.1
Perry	178.5	163.1-193.9	176.4	161.5-191.3	31.4	24.9-37.9	46.2	38.4-54.0	69.8	58.8-80.8
Philadelphia	205.3	202.3-208.4	179.5	176.6-182.4	42.5	41.1-43.9	34.9	33.6-36.2	75.9	74.0-77.8
Pike	151.0	139.4-162.7	140.7	129.7-151.7	24.9	20.2-29.6	28.7	23.7-33.7	64.0	54.9-73.1
Potter	130.3	112.1-148.5	178.7	156.5-200.9	36.3	26.5-46.1	54.1	42.3-65.9	61.6	46.3-76.9
Schuylkill	247.0	237.9-256.1	194.5	186.2-202.8	36.8	33.3-40.3	45.6	41.6-49.6	56.5	51.4-61.7
Snyder	150.7	136.5-164.9	142.4	128.6-156.2	29.2	22.8-35.6	26.9	21.0-32.8	48.6	39.5-57.7
Somerset	193.3	182.6-204.0	150.4	140.7-160.1	33.8	29.4-38.2	37.6	32.9-42.3	72.1	63.9-80.3
Sullivan	169.7	137.6-201.9	203.3	166.9-239.7	ND	ND	46.0	29.8-62.2	51.3	28.8-73.8
Susquehanna	172.1	158.0-186.2	164.3	150.8-177.8	29.8	24.0-35.6	46.4	39.2-53.6	66.1	55.3-76.9
Tioga	180.2	165.5-194.9	162.0	148.2-175.8	29.9	23.9-35.9	49.3	41.8-56.8	49.8	40.4-59.2
Union	133.0	120.7-145.3	129.9	117.1-142.7	28.3	22.7-33.9	25.7	20.1-31.3	33.2	26.3-40.1
Venango	202.6	189.1-216.1	166.2	154.0-178.4	31.7	26.5-36.9	43.0	36.8-49.2	52.3	44.0-60.6
Warren	181.8	167.7-196.0	177.6	163.2-192.0	32.5	26.5-38.6	47.6	40.3-54.9	45.0	36.4-53.7
Washington	168.2	161.9-174.5	173.5	167.0-180.0	40.4	37.3-43.5	39.4	36.4-42.5	76.6	71.4-81.8
Wayne	204.3	190.3-218.3	156.5	144.6-168.4	29.1	23.9-34.4	36.0	30.3-41.7	64.8	55.4-74.2
Westmoreland	177.8	173.1-182.5	163.2	158.6-167.8	32.7	30.7-34.7	41.0	38.7-43.3	82.6	78.5-86.7
Wyoming	200.9	181.2-220.6	181.7	163.1-200.3	35.0	26.8-43.2	49.8	40.2-59.4	80.5	65.3-95.8
York	151.2	146.8-155.6	161.3	156.7-165.9	42.6	40.2-45.0	32.0	30.0-34.1	61.4	58.2-64.6

* 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 2015-2019 number of deaths.

Figure C-31

Average Annual Age-Adjusted Death Rates for Diseases of Heart by County
Pennsylvania Residents, 2015-2019

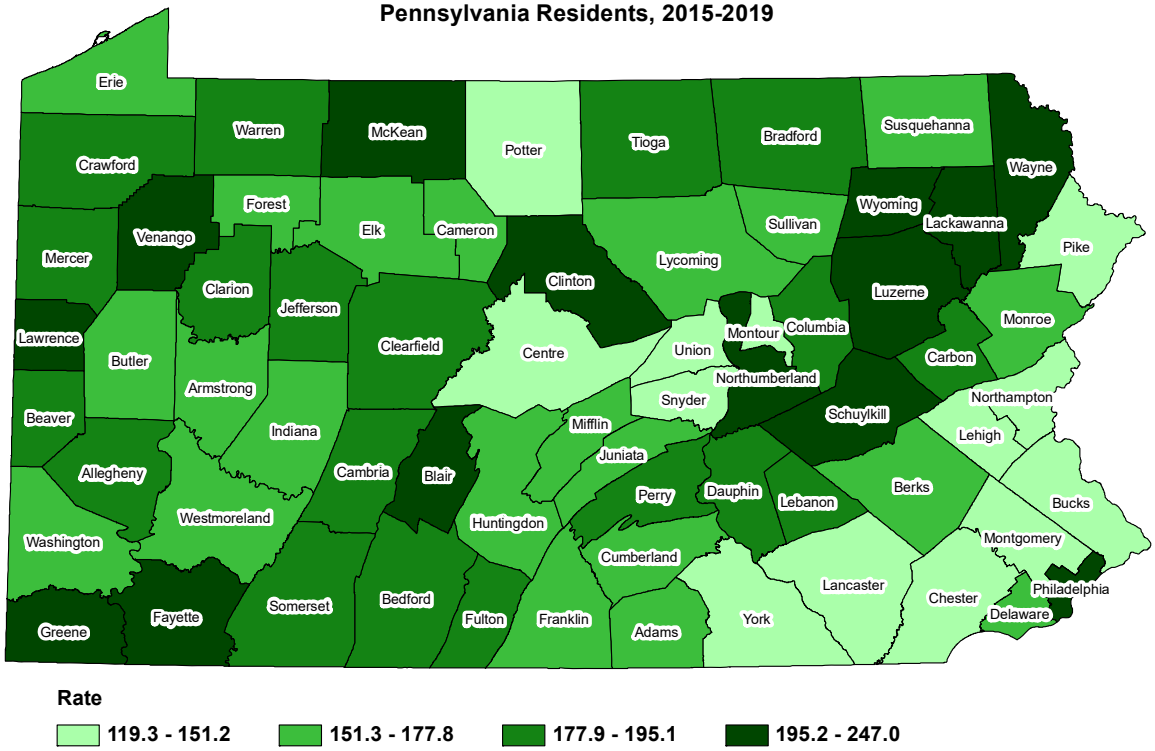
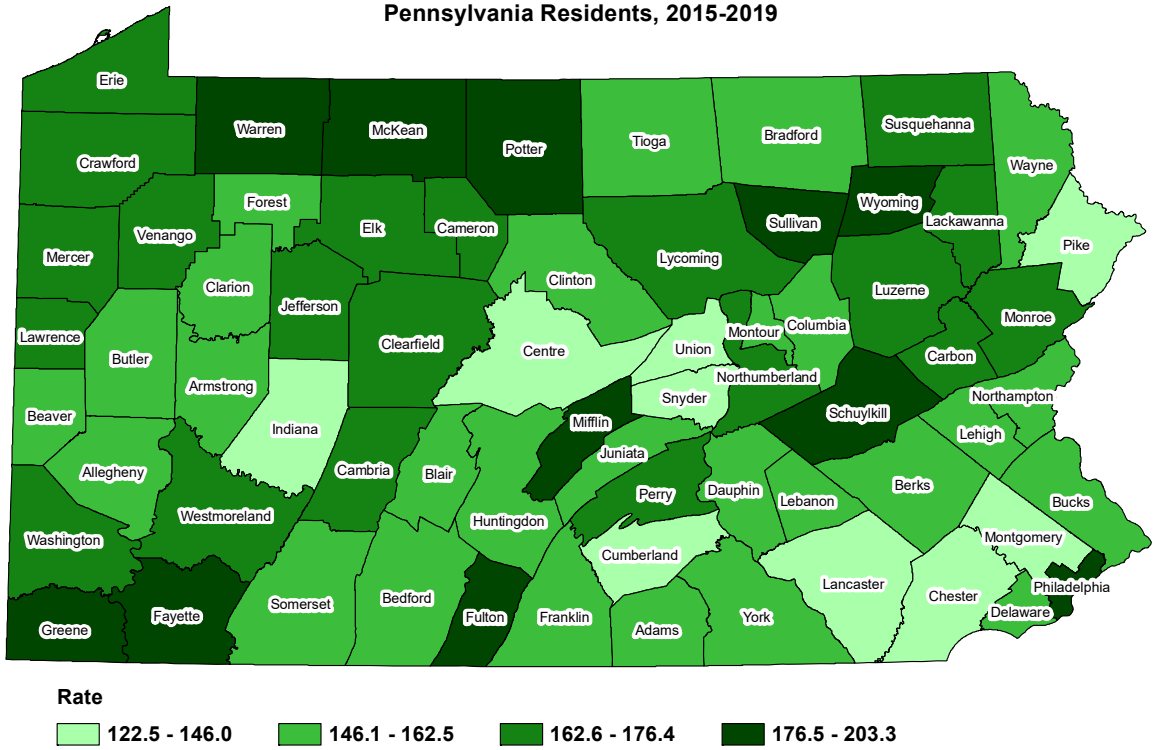


Figure C-32

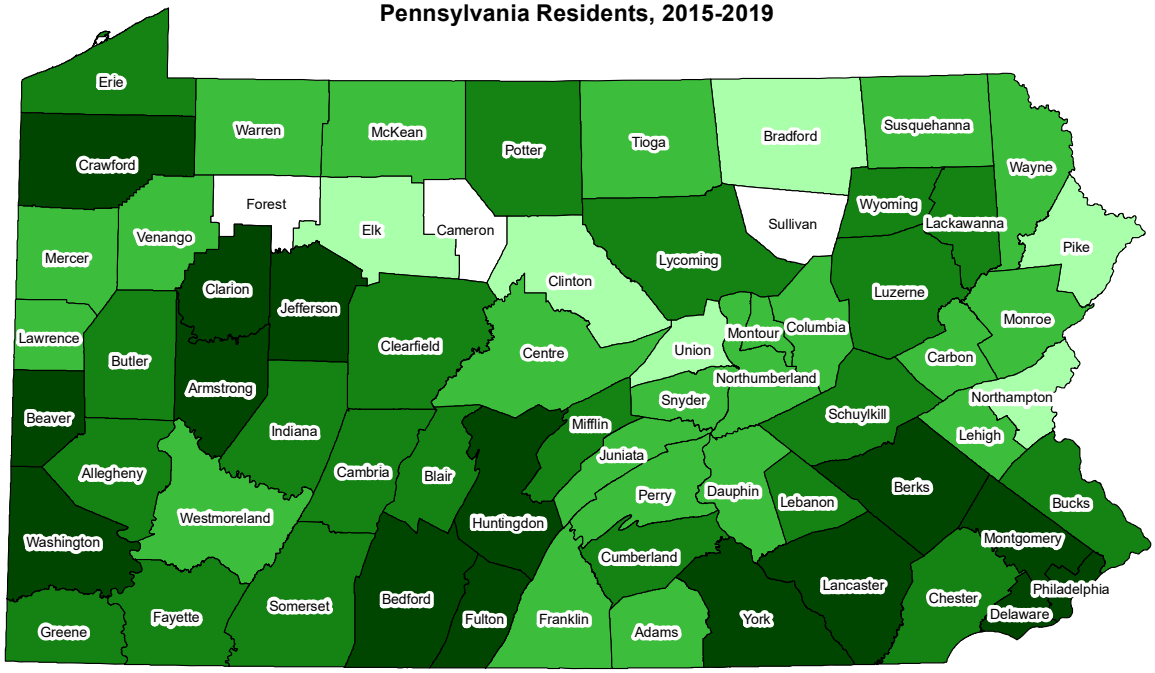
Average Annual Age-Adjusted Death Rates for Cancer (Malignant Neoplasms) by County
Pennsylvania Residents, 2015-2019



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, 2015-2019

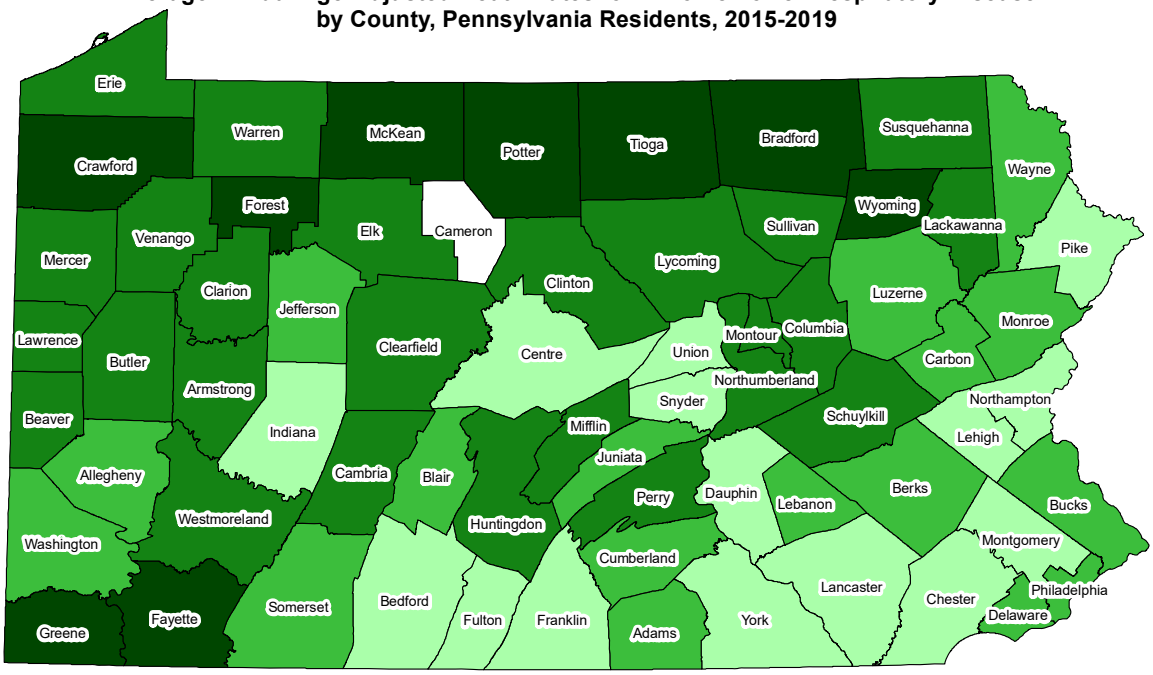


Rate

23.1 - 28.3 | 28.4 - 32.7 | 32.8 - 38.0 | 38.1 - 46.5 | Less than 10 events - statistically unreliable

Figure C-34

Average Annual Age-Adjusted Death Rates for Chronic Lower Respiratory Disease by County, Pennsylvania Residents, 2015-2019



Rate

25.0 - 32.0 | 32.1 - 39.4 | 39.5 - 47.6 | 47.7 - 73.6 | 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, 2019

County	Total Deaths*	Age at Death (In Years) Under 5	5 - 9	10 - 14	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 - 84	85 & Over
Pennsylvania	133,932	909	92	109	324	763	2,628	3,315	6,541	15,946	24,020	32,334	46,946
Adams	1,033	4	1	1	2	3	15	13	47	109	169	273	396
Allegheny	13,643	93	7	10	33	76	241	360	594	1,555	2,413	3,213	5,048
Armstrong	845	8	1	0	0	5	11	18	44	115	148	221	274
Beaver	2,194	21	0	1	5	7	43	49	95	289	403	520	761
Bedford	584	3	0	1	0	7	12	13	23	67	97	182	179
Berks	4,081	45	6	2	13	28	73	86	202	456	697	1,017	1,456
Blair	1,590	5	0	0	2	10	19	38	67	175	302	398	574
Bradford	714	8	1	0	0	3	14	15	28	94	138	205	208
Bucks	6,170	18	3	4	12	28	126	129	250	673	1,006	1,578	2,343
Butler	2,106	8	3	1	4	11	30	40	95	209	359	540	806
Cambria	1,882	14	0	1	2	10	28	52	84	188	326	472	705
Cameron	55	0	0	0	0	0	0	0	1	12	9	16	17
Carbon	750	3	0	1	4	3	20	14	38	83	165	177	242
Centre	1,010	11	0	2	2	6	20	25	29	97	155	285	378
Chester	4,094	27	2	4	10	25	74	79	194	392	647	990	1,650
Clarion	421	3	0	1	0	3	4	15	21	35	67	126	146
Clearfield	994	6	3	0	1	4	22	19	49	110	184	264	332
Clinton	446	3	1	1	0	1	4	6	16	57	83	120	154
Columbia	697	2	0	1	4	5	10	14	30	80	134	177	240
Crawford	1,025	6	2	1	4	4	13	25	41	122	206	247	354
Cumberland	2,373	14	2	4	3	11	27	54	95	250	387	607	919
Dauphin	2,588	18	1	2	6	13	58	84	149	332	511	594	820
Delaware	5,629	53	9	3	20	32	110	154	247	660	971	1,279	2,088
Elk	367	0	1	0	1	1	2	9	14	41	59	104	135
Erie	2,925	21	4	2	8	20	40	63	147	424	547	696	953
Fayette	1,794	11	2	1	3	9	41	31	94	248	351	425	578
Forest	96	0	0	0	0	0	2	3	0	18	25	27	21
Franklin	1,570	13	3	0	7	6	13	31	70	181	274	421	551
Fulton	159	2	0	0	0	1	2	5	6	16	34	39	54
Greene	455	4	0	0	4	4	11	13	20	68	108	103	120
Huntingdon	465	5	0	0	0	4	10	6	10	57	88	128	157
Indiana	905	1	1	2	4	3	14	27	51	99	168	222	313
Jefferson	533	3	0	2	1	3	8	13	19	69	102	153	160

(Continued)

Table C-30
Resident Deaths by Age Group and County
Pennsylvania, 2019

	Total Deaths*	Age at Death (In Years)											
		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	262	2	0	1	1	3	2	5	11	26	50	68	93
Lackawanna	2,536	14	1	2	1	10	42	51	135	288	484	626	882
Lancaster	5,108	43	3	4	15	25	76	94	169	500	808	1,223	2,148
Lawrence	1,177	4	1	1	5	8	18	23	60	135	195	272	455
Lebanon	1,543	3	1	2	6	15	25	31	62	158	256	405	579
Lehigh	3,435	25	2	3	3	9	61	82	167	371	540	784	1,388
Luzerne	4,205	22	2	6	5	14	77	94	239	535	787	997	1,426
Lycoming	1,353	8	0	2	5	4	22	31	54	151	244	380	452
McKean	537	1	2	0	0	2	4	9	24	67	107	141	180
Mercer	1,454	8	1	2	7	5	26	21	87	171	262	350	514
Mifflin	580	4	0	0	2	0	6	10	34	57	103	149	215
Monroe	1,559	5	1	2	5	11	33	41	99	232	326	388	416
Montgomery	7,873	40	1	4	11	33	144	148	306	759	1,247	1,873	3,307
Montour	211	1	0	2	0	3	3	4	5	23	30	51	89
Northampton	3,006	17	0	0	1	6	42	51	144	324	500	750	1,171
Northumberland	1,191	9	0	1	4	9	29	34	53	134	260	270	388
Perry	450	6	0	1	1	4	4	13	28	60	90	121	122
Philadelphia	14,190	172	15	13	56	161	573	630	1,072	2,305	2,824	2,953	3,415
Pike	507	2	0	0	3	5	10	14	34	55	114	131	139
Potter	217	0	0	0	0	0	0	5	10	25	50	55	72
Schuylkill	1,926	15	1	1	2	9	30	60	108	229	375	461	635
Snyder	406	1	0	1	1	3	3	9	16	47	74	113	138
Somerset	994	3	1	1	4	5	14	16	40	95	210	233	372
Sullivan	109	0	0	0	0	0	1	1	1	12	28	30	36
Susquehanna	471	3	0	0	2	2	3	5	16	62	100	129	149
Tioga	457	1	0	1	1	3	7	11	14	53	87	126	153
Union	367	0	1	0	0	3	4	7	14	31	62	91	154
Venango	684	5	0	0	1	3	9	17	33	105	144	158	209
Warren	483	0	1	0	1	2	6	5	18	64	86	122	178
Washington	2,604	12	1	2	4	10	48	69	140	326	463	661	868
Wayne	626	2	0	0	2	2	11	25	30	81	118	164	191
Westmoreland	4,592	22	2	6	7	19	68	80	215	509	808	1,122	1,734
Wyoming	332	1	0	0	1	4	8	8	13	45	68	80	104
York	4,294	25	2	3	12	25	102	108	220	530	787	1,038	1,442

*Includes any unknown ages.

Table C-31
Resident Deaths by Race, Hispanic Origin, and County
Pennsylvania, 2019

County	Race: All Races	White	Black	Asian/ Pacific Islander	Multi-Race	Hispanic Origin
Pennsylvania	133,932	116,993	12,973	1,222	236	3,078
Adams	1,033	1,015	8	5	0	15
Allegheny	13,643	11,630	1,788	111	20	62
Armstrong	845	828	14	0	1	2
Beaver	2,194	2,041	133	4	3	9
Bedford	584	575	4	2	1	2
Berks	4,081	3,759	163	23	2	299
Blair	1,590	1,562	18	2	1	6
Bradford	714	711	2	0	1	2
Bucks	6,170	5,803	166	108	10	98
Butler	2,106	2,078	18	3	1	4
Cambria	1,882	1,820	53	3	0	8
Cameron	55	54	1	0	0	0
Carbon	750	739	6	2	1	7
Centre	1,010	986	11	8	2	5
Chester	4,094	3,725	278	27	9	63
Clarion	421	418	3	0	0	0
Clearfield	994	986	3	2	2	1
Clinton	446	445	1	0	0	1
Columbia	697	687	6	1	0	6
Crawford	1,025	1,012	9	2	0	2
Cumberland	2,373	2,270	47	25	6	39
Dauphin	2,588	2,037	395	45	5	100
Delaware	5,629	4,511	940	85	12	81
Elk	367	366	0	0	0	1
Erie	2,925	2,748	144	14	4	27
Fayette	1,794	1,729	60	2	0	2
Forest	96	93	1	0	2	0
Franklin	1,570	1,503	40	7	2	22
Fulton	159	156	1	0	0	1
Greene	455	450	5	0	0	1
Huntingdon	465	456	6	0	1	2
Indiana	905	889	8	3	1	3
Jefferson	533	530	1	1	0	1

(Continued)

Table C-31
Resident Deaths by Race, Hispanic Origin, and County
Pennsylvania, 2019

County	All Races	White	Black	Asian/ Pacific Islander	Multi-Race	Hispanic Origin
	Race					
Juniata	262	259	0	1	0	4
Lackawanna	2,536	2,433	46	16	0	45
Lancaster	5,108	4,777	120	37	13	194
Lawrence	1,177	1,132	39	2	1	2
Lebanon	1,543	1,456	21	4	3	77
Lehigh	3,435	3,121	143	41	9	261
Luzerne	4,205	4,014	85	14	5	110
Lycoming	1,353	1,302	40	4	3	4
McKean	537	529	1	0	2	2
Mercer	1,454	1,381	66	1	1	2
Mifflin	580	575	3	1	0	0
Monroe	1,559	1,370	126	11	5	110
Montgomery	7,873	6,903	623	201	22	97
Montour	211	208	0	2	0	2
Northampton	3,006	2,812	98	17	6	133
Northumberland	1,191	1,161	16	3	1	14
Perry	450	440	3	0	3	4
Philadelphia	14,190	6,049	6,783	343	50	972
Pike	507	479	18	3	1	20
Potter	217	216	1	0	0	0
Schuylkill	1,926	1,898	13	4	4	10
Snyder	406	399	2	1	1	4
Somerset	994	978	12	1	0	3
Sullivan	109	109	0	0	0	1
Susquehanna	471	464	3	0	4	1
Tioga	457	451	2	1	1	2
Union	367	360	4	0	1	3
Venango	684	682	1	1	0	3
Warren	483	479	1	2	1	2
Washington	2,604	2,498	89	6	2	7
Wayne	626	615	8	2	0	11
Westmoreland	4,592	4,475	101	4	1	8
Wyoming	332	327	0	2	0	3
York	4,294	4,029	172	12	9	95

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, 2015-2019

County	All Races 2015-2019	White	Black	Asian/ Pacific Islander	Multi-Race	Hispanic Origin
	Race					
Pennsylvania	669,156	586,989	62,974	5,358	2,054	13,934
Adams	5,313	5,201	50	17	8	66
Allegheny	69,234	59,357	8,676	465	215	276
Armstrong	4,240	4,169	45	4	8	5
Beaver	10,982	10,190	651	19	50	44
Bedford	2,928	2,888	17	10	8	5
Berks	20,069	18,880	683	92	40	1,278
Blair	8,076	7,925	88	13	19	25
Bradford	3,515	3,485	6	4	7	13
Bucks	30,598	28,977	808	396	68	405
Butler	10,123	9,939	72	25	45	31
Cambria	9,503	9,150	282	15	9	41
Cameron	317	312	1	0	1	1
Carbon	4,031	3,946	37	6	17	43
Centre	4,968	4,837	57	43	11	23
Chester	20,162	18,276	1,318	197	63	343
Clarion	2,116	2,090	8	4	7	2
Clearfield	4,826	4,770	20	11	11	9
Clinton	2,093	2,068	9	1	2	8
Columbia	3,568	3,505	23	5	22	26
Crawford	5,101	5,001	65	10	10	13
Cumberland	11,989	11,529	209	109	37	122
Dauphin	12,841	10,168	2,069	173	42	415
Delaware	27,577	22,486	4,275	372	82	347
Elk	1,940	1,927	3	1	1	6
Erie	14,643	13,662	759	60	40	181
Fayette	9,073	8,659	333	14	30	16
Forest	436	424	4	1	2	2
Franklin	7,974	7,644	203	26	15	76
Fulton	815	796	12	2	1	4
Greene	2,254	2,227	20	2	2	3
Huntingdon	2,416	2,359	38	4	4	10
Indiana	4,648	4,585	32	14	10	9
Jefferson	2,803	2,779	6	2	4	3

(Continued)

Table C-32
Resident Deaths by Race, Hispanic Origin, and County
Pennsylvania, 2015-2019

County	All Races 2015-2019	White	Black	Asian/ Pacific Islander	Multi-Race	Hispanic Origin
	Race					
Juniata	1,292	1,280	3	1	2	11
Lackawanna	13,394	12,943	192	55	27	206
Lancaster	25,614	23,974	564	166	65	901
Lawrence	5,973	5,742	190	10	17	16
Lebanon	7,632	7,247	83	35	15	299
Lehigh	17,184	15,733	599	156	46	1,213
Luzerne	20,481	19,694	347	62	79	396
Lycoming	6,494	6,193	213	21	30	29
McKean	2,639	2,585	5	7	11	6
Mercer	7,353	6,986	320	10	12	17
Mifflin	2,841	2,810	12	2	9	10
Monroe	7,532	6,667	626	48	21	417
Montgomery	38,493	33,956	3,145	782	102	437
Montour	1,131	1,114	6	4	5	2
Northampton	15,249	14,275	451	122	42	652
Northumberland	5,965	5,810	66	12	35	54
Perry	2,333	2,294	7	5	9	11
Philadelphia	71,385	31,811	33,205	1,514	281	4,525
Pike	2,609	2,462	95	10	10	87
Potter	1,053	1,042	3	1	2	2
Schuylkill	9,814	9,619	69	23	39	68
Snyder	1,812	1,778	13	3	11	8
Somerset	4,927	4,828	63	5	6	17
Sullivan	499	495	2	0	0	4
Susquehanna	2,447	2,417	8	3	9	9
Tioga	2,318	2,300	8	3	3	3
Union	1,854	1,803	14	4	18	12
Venango	3,261	3,213	26	4	11	14
Warren	2,521	2,500	6	2	6	5
Washington	12,904	12,381	411	25	36	51
Wayne	3,091	3,028	37	9	7	47
Westmoreland	23,039	22,328	494	65	74	63
Wyoming	1,676	1,653	5	5	5	14
York	21,174	19,817	807	67	118	477

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, 2019

		Diseases of Heart				Cancer (Malignant Neoplasms)		
County	All Causes	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	133,932	32,250	12,010	4,912	15,328	27,703	6,574	2,316
Adams	1,033	290	155	28	107	211	46	22
Allegheny	13,643	3,501	1,634	455	1,412	2,792	655	233
Armstrong	845	200	69	31	100	167	46	19
Beaver	2,194	552	197	80	275	411	106	24
Bedford	584	138	41	49	48	98	29	11
Berks	4,081	1,000	341	264	395	884	192	67
Blair	1,590	452	109	54	289	311	80	24
Bradford	714	174	55	25	94	144	35	15
Bucks	6,170	1,297	425	148	724	1,308	299	107
Butler	2,106	494	191	69	234	459	111	34
Cambria	1,882	456	127	109	220	359	67	31
Cameron	55	13	5	5	3	12	1	4
Carbon	750	164	44	27	93	159	32	18
Centre	1,010	259	64	25	170	214	47	10
Chester	4,094	960	413	125	422	904	200	71
Clarion	421	113	39	21	53	78	26	9
Clearfield	994	233	73	55	105	198	44	20
Clinton	446	119	34	37	48	77	14	9
Columbia	697	186	53	38	95	125	30	14
Crawford	1,025	233	62	104	67	209	56	16
Cumberland	2,373	643	162	118	363	488	108	42
Dauphin	2,588	614	168	73	373	569	122	51
Delaware	5,629	1,304	474	173	657	1,144	283	89
Elk	367	85	26	31	28	92	20	7
Erie	2,925	638	193	129	316	612	146	47
Fayette	1,794	504	208	61	235	352	99	28
Forest	96	19	6	2	11	20	7	2
Franklin	1,570	363	133	52	178	370	78	31
Fulton	159	37	11	12	14	38	11	2
Greene	455	121	44	24	53	99	26	7
Huntingdon	465	100	35	8	57	108	21	9
Indiana	905	187	58	38	91	159	36	13
Jefferson	533	128	36	23	69	116	27	13
Juniata	262	70	23	11	36	62	15	5
Lackawanna	2,536	716	239	63	414	491	130	45
Lancaster	5,108	1,179	466	107	606	1,068	224	89
Lawrence	1,177	292	102	40	150	229	59	18
Lebanon	1,543	406	108	54	244	310	76	29
Lehigh	3,435	735	226	108	401	666	151	54
Luzerne	4,205	953	427	105	421	798	194	89
Lycoming	1,353	265	64	78	123	297	88	28
McKean	537	116	26	25	65	102	17	7
Mercer	1,454	369	142	84	143	294	71	31
Mifflin	580	130	47	22	61	154	31	15
Monroe	1,559	394	118	81	195	363	74	36
Montgomery	7,873	1,893	817	172	904	1,620	372	138
Montour	211	31	10	2	19	35	8	3
Northampton	3,006	714	229	90	395	678	138	53
Northumberland	1,191	300	66	118	116	254	63	18
Perry	450	96	22	27	47	119	27	7
Philadelphia	14,190	3,450	1,472	334	1,644	2,865	682	246
Pike	507	120	48	26	46	112	42	8
Potter	217	36	19	3	14	55	14	4
Schuylkill	1,926	555	134	258	163	419	95	35
Snyder	406	109	25	18	66	94	25	11
Somerset	994	242	109	25	108	186	40	17
Sullivan	109	20	5	5	10	28	4	2
Susquehanna	471	122	41	28	53	108	34	8
Tioga	457	102	35	19	48	112	27	12
Union	367	79	17	26	36	78	21	3
Venango	684	200	72	24	104	131	31	10
Warren	483	128	43	22	63	104	30	6
Washington	2,604	589	233	92	264	559	164	41
Wayne	626	180	63	40	77	114	32	14
Westmoreland	4,592	1,091	438	175	478	936	225	63
Wyoming	332	79	24	8	47	63	16	8
York	4,294	912	415	129	368	912	254	64

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

Table C-33 (Continued)

Selected Causes of Death by County, Pennsylvania Residents, 2019

County	Cancer (Malignant Neoplasms)					
	Female Breast	Pancreas	Prostate	Leukemia	Non-Hodgkin Lymphoma	All Other Sites
Pennsylvania	1,878	2,123	1,346	1,112	952	11,402
Adams	12	15	10	11	4	91
Allegheny	184	228	155	125	92	1,120
Armstrong	10	12	9	6	1	64
Beaver	29	41	17	11	12	171
Bedford	5	3	8	3	2	37
Berks	68	64	38	43	27	385
Blair	14	19	14	14	15	131
Bradford	9	7	6	8	5	59
Bucks	97	86	74	54	36	555
Butler	35	32	21	23	9	194
Cambria	24	31	18	12	22	154
Cameron	1	1	0	0	2	3
Carbon	8	10	7	10	6	68
Centre	17	16	8	12	13	91
Chester	63	69	51	38	31	381
Clarion	7	3	3	1	1	28
Clearfield	10	17	9	9	8	81
Clinton	1	7	9	3	2	32
Columbia	9	6	6	9	3	48
Crawford	15	17	14	8	11	72
Cumberland	36	43	17	20	21	201
Dauphin	41	45	29	19	22	240
Delaware	72	95	57	40	39	469
Elk	8	4	3	5	6	39
Erie	41	45	36	24	25	248
Fayette	19	28	10	14	14	140
Forest	3	1	0	1	1	5
Franklin	34	29	20	17	15	146
Fulton	2	3	4	0	1	15
Greene	4	4	4	5	2	47
Huntingdon	9	9	5	3	5	47
Indiana	10	12	5	3	3	77
Jefferson	8	8	3	7	5	45
Juniata	2	8	0	5	2	25
Lackawanna	34	24	17	19	15	207
Lancaster	79	79	55	44	38	460
Lawrence	18	20	5	10	7	92
Lebanon	15	22	17	14	9	128
Lehigh	42	29	33	20	27	310
Luzerne	59	74	31	25	23	303
Lycoming	15	20	10	11	8	117
McKean	6	4	3	3	5	57
Mercer	20	24	16	13	5	114
Mifflin	8	15	11	6	8	60
Monroe	20	28	20	13	9	163
Montgomery	115	147	85	77	64	622
Montour	1	1	0	3	3	16
Northampton	47	59	27	31	21	302
Northumberland	11	22	9	12	13	106
Perry	10	13	8	3	3	48
Philadelphia	210	221	144	92	82	1,188
Pike	6	8	4	4	1	39
Potter	3	1	4	3	2	24
Schuylkill	34	37	19	17	8	174
Snyder	6	3	2	4	4	39
Somerset	12	10	17	9	9	72
Sullivan	0	2	1	3	2	14
Susquehanna	9	7	8	2	5	35
Tioga	7	11	3	4	1	47
Union	5	7	4	5	3	30
Venango	10	9	10	3	7	51
Warren	3	6	4	6	1	48
Washington	38	53	26	18	19	200
Wayne	9	5	8	5	3	38
Westmoreland	66	78	44	39	45	376
Wyoming	3	4	1	0	0	31
York	50	62	30	31	39	382

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

Table C-33 (Continued)

Selected Causes of Death by County, Pennsylvania Residents, 2019

County	Cerebrovascular Disease	Chronic Lower Respiratory Disease	Accidents			Alzheimer's Disease	Diabetes Mellitus
			Non-Transport	Motor Vehicle	Other Transport		
Pennsylvania	6,645	6,337	7,369	1,118	77	4,151	3,652
Adams	43	53	40	9	0	51	37
Allegheny	637	611	874	79	7	471	305
Armstrong	43	51	48	9	0	35	44
Beaver	104	105	102	16	0	87	55
Bedford	34	29	22	9	0	23	26
Berks	251	195	192	51	2	108	105
Blair	71	87	63	9	0	52	48
Bradford	21	55	41	13	0	32	25
Bucks	308	301	336	51	4	190	165
Butler	102	107	103	21	1	77	58
Cambria	60	103	111	18	0	67	38
Cameron	2	4	1	2	0	0	3
Carbon	30	30	54	4	0	26	22
Centre	47	53	39	3	4	60	14
Chester	271	178	209	21	1	95	104
Clarion	21	17	14	7	0	22	10
Clearfield	54	53	42	9	0	34	31
Clinton	14	23	15	3	0	26	26
Columbia	30	36	28	7	1	17	22
Crawford	60	62	54	7	1	46	26
Cumberland	107	98	81	15	1	58	55
Dauphin	108	115	146	19	7	50	67
Delaware	353	247	275	32	2	122	118
Elk	9	21	18	6	0	25	9
Erie	116	153	126	24	3	79	83
Fayette	67	110	82	20	1	35	59
Forest	7	5	5	1	0	5	2
Franklin	70	65	48	23	2	43	52
Fulton	10	3	6	5	0	9	8
Greene	18	36	16	14	0	9	11
Huntingdon	26	24	19	6	0	8	24
Indiana	53	39	64	15	1	19	21
Jefferson	31	25	24	6	1	16	13
Juniata	12	11	8	1	0	7	11
Lackawanna	88	148	112	16	3	92	60
Lancaster	348	236	252	48	4	314	136
Lawrence	49	58	55	7	1	60	31
Lebanon	78	88	49	17	1	52	25
Lehigh	171	131	217	25	2	117	90
Luzerne	172	210	236	34	0	116	180
Lycoming	63	81	48	9	2	57	54
McKean	22	42	13	8	0	8	9
Mercer	39	71	82	16	0	65	45
Mifflin	30	35	18	6	0	18	12
Monroe	77	75	87	16	1	50	42
Montgomery	543	301	379	51	4	235	176
Montour	9	10	23	1	0	9	5
Northampton	104	136	146	22	2	110	98
Northumberland	53	76	87	8	1	39	34
Perry	13	27	16	6	0	14	19
Philadelphia	697	537	1,271	105	9	220	334
Pike	19	30	34	13	1	13	22
Potter	6	16	11	1	0	1	10
Schuylkill	70	96	63	27	0	51	42
Snyder	9	15	18	5	0	15	14
Somerset	50	41	41	13	0	60	53
Sullivan	3	7	4	1	0	6	3
Susquehanna	22	23	16	4	2	16	26
Tioga	24	27	14	6	0	8	18
Union	21	17	21	3	1	14	12
Venango	31	34	24	8	0	13	27
Warren	22	21	12	7	0	5	19
Washington	129	117	143	27	2	67	69
Wayne	22	24	31	10	0	26	16
Westmoreland	198	271	254	32	1	125	125
Wyoming	16	15	20	3	0	5	16
York	257	216	266	28	1	146	133

Table C-33 (Continued)

Selected Causes of Death by County, Pennsylvania Residents, 2019

County	Nephritis, Nephrotic Syn. & Nephrosis	Influenza & Pneumonia	Septicemia	Intentional Self-harm (Suicide)	Parkinson's Disease	Chronic Liver Disease & Cirrhosis	Essential Hypertension & Hypertensive Renal Disease
Pennsylvania	2,966	2,472	2,282	1,887	1,609	1,474	1,125
Adams	16	14	24	10	13	10	13
Allegheny	292	263	202	185	164	181	120
Armstrong	14	21	6	11	8	7	10
Beaver	59	38	41	25	38	27	18
Bedford	13	21	18	13	5	8	0
Berks	76	83	73	72	47	49	26
Blair	37	28	19	19	17	20	14
Bradford	9	8	8	11	10	5	6
Bucks	139	122	113	103	88	54	58
Butler	36	35	28	28	32	28	23
Cambria	47	44	46	22	21	19	23
Cameron	2	0	1	0	1	4	0
Carbon	15	17	9	13	8	5	19
Centre	15	16	13	25	10	19	8
Chester	78	73	63	59	65	34	34
Clarion	4	10	3	9	4	5	3
Clearfield	28	24	12	18	16	17	9
Clinton	13	4	5	10	9	5	5
Columbia	21	17	11	18	7	8	4
Crawford	30	26	19	15	13	6	6
Cumberland	57	55	33	27	43	27	17
Dauphin	92	53	33	35	33	29	35
Delaware	139	114	96	84	86	58	40
Elk	10	5	8	8	5	1	5
Erie	79	53	45	47	28	48	21
Fayette	22	36	29	24	17	24	14
Forest	2	3	1	3	0	1	0
Franklin	24	24	29	24	25	25	17
Fulton	6	3	0	2	0	1	0
Greene	11	10	6	10	2	8	4
Huntingdon	14	18	3	4	12	6	8
Indiana	19	22	22	11	16	7	6
Jefferson	11	6	12	5	2	8	4
Juniata	3	6	4	4	0	2	4
Lackawanna	69	44	46	33	34	26	26
Lancaster	120	72	64	55	66	40	36
Lawrence	27	37	11	24	11	16	11
Lebanon	33	39	27	19	22	19	15
Lehigh	47	57	50	44	53	36	31
Luzerne	91	40	65	66	37	68	62
Lycoming	43	21	16	16	17	11	12
McKean	16	11	16	1	3	4	1
Mercer	30	26	21	19	17	8	9
Mifflin	16	16	3	6	7	9	9
Monroe	39	23	28	23	16	16	18
Montgomery	168	151	132	113	118	75	45
Montour	4	7	3	4	3	0	2
Northampton	58	45	45	37	35	36	30
Northumberland	19	19	20	15	13	15	8
Perry	13	5	3	8	3	3	1
Philadelphia	351	198	376	165	102	116	97
Pike	13	4	6	9	5	8	3
Potter	3	9	4	5	5	0	4
Schuylkill	34	26	54	32	11	27	9
Snyder	6	6	4	5	3	5	7
Somerset	34	16	23	11	22	5	1
Sullivan	2	3	0	1	1	1	1
Susquehanna	12	9	7	6	3	1	4
Tioga	9	7	7	11	7	2	2
Union	9	11	3	4	1	2	6
Venango	11	13	16	8	6	11	3
Warren	9	8	8	5	1	5	2
Washington	38	46	39	39	33	38	23
Wayne	20	14	11	16	8	9	3
Westmoreland	85	109	80	54	53	51	30
Wyoming	8	4	4	6	6	4	7
York	96	104	55	73	42	51	33

Table C-33 (Continued)

Selected Causes of Death by County, Pennsylvania Residents, 2019

County	In Situ, Benign, & Uncertain Neoplasms	Assault (Homicide)	Perinatal Conditions	Nutritional Deficiencies	Congenital Malformations & Chromosomal Anomalies	All Other Causes
Pennsylvania	806	721	424	409	346	28,109
Adams	2	2	1	2	3	189
Allegheny	80	87	48	46	28	2,670
Armstrong	7	3	6	1	0	154
Beaver	14	5	8	6	9	474
Bedford	2	4	1	0	2	118
Berks	22	16	23	11	6	789
Blair	11	3	3	0	0	326
Bradford	5	3	3	1	0	140
Bucks	35	7	5	11	12	1,463
Butler	13	1	4	7	1	448
Cambria	15	3	5	6	3	416
Cameron	0	0	0	0	0	10
Carbon	3	2	0	2	1	167
Centre	4	3	6	2	1	195
Chester	34	5	11	13	12	870
Clarion	4	1	0	0	3	93
Clearfield	8	3	2	5	3	195
Clinton	3	1	1	0	1	86
Columbia	3	6	0	14	2	134
Crawford	15	2	3	3	3	186
Cumberland	18	4	7	4	6	529
Dauphin	11	20	10	18	4	520
Delaware	18	35	36	14	13	1,299
Elk	1	1	0	0	0	58
Erie	17	8	10	7	5	723
Fayette	14	1	5	5	4	369
Forest	2	0	0	0	0	20
Franklin	12	2	2	4	10	336
Fulton	2	0	1	0	0	28
Greene	3	1	0	2	3	71
Huntingdon	4	0	1	0	4	76
Indiana	7	2	1	0	2	232
Jefferson	4	0	1	6	1	113
Juniata	3	1	1	1	0	51
Lackawanna	23	6	5	6	9	483
Lancaster	30	10	19	20	23	968
Lawrence	5	6	1	1	3	242
Lebanon	8	1	1	6	3	324
Lehigh	26	8	13	24	9	883
Luzerne	21	11	8	8	6	1,023
Lycoming	2	16	2	3	9	309
McKean	2	0	1	2	1	159
Mercer	14	1	2	1	10	315
Mifflin	5	0	0	1	1	104
Monroe	7	6	2	9	4	263
Montgomery	57	21	26	17	16	1,732
Montour	2	1	0	1	1	60
Northampton	18	5	9	13	5	660
Northumberland	5	4	2	6	7	206
Perry	0	0	2	0	4	98
Philadelphia	62	351	88	41	37	2,718
Pike	3	2	1	1	4	84
Potter	0	0	0	1	1	49
Schuylkill	14	3	7	6	6	374
Snyder	4	0	0	3	0	84
Somerset	10	2	0	1	2	181
Sullivan	0	0	0	0	0	28
Susquehanna	1	0	0	1	4	84
Tioga	0	1	0	0	1	99
Union	1	0	0	0	1	83
Venango	5	0	1	0	5	137
Warren	1	1	0	2	1	122
Washington	20	2	5	5	7	607
Wayne	7	1	1	1	1	111
Westmoreland	32	7	13	21	13	1,011
Wyoming	3	0	0	2	2	69
York	22	23	10	15	8	891

Table C-34
Selected Causes of Death by County, Number and Average Annual Rate*
Pennsylvania Residents, 2015-2019

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	160,974	251.5	140,898	220.1	33,550	52.4	32,591	50.9	42,169	65.9
Adams	1,389	271.0	1,130	220.4	232	45.3	256	49.9	273	53.3
Allegheny	17,480	285.9	14,249	233.1	3,196	52.3	3,405	55.7	4,843	79.2
Armstrong	973	295.6	833	253.1	215	65.3	242	73.5	304	92.4
Beaver	2,714	326.6	2,098	252.4	567	68.2	588	70.7	635	76.4
Bedford	739	306.1	597	247.3	176	72.9	129	53.4	168	69.6
Berks	4,926	235.8	4,290	205.3	1,348	64.5	949	45.4	1,100	52.7
Blair	2,065	334.1	1,522	246.3	350	56.6	355	57.4	428	69.3
Bradford	885	291.1	731	240.4	124	40.8	237	77.9	216	71.0
Bucks	6,441	205.2	6,585	209.8	1,535	48.9	1,465	46.7	1,926	61.4
Butler	2,380	254.1	2,119	226.3	522	55.7	568	60.7	611	65.2
Cambria	2,207	331.3	1,889	283.6	400	60.0	481	72.2	685	102.8
Cameron	73	318.2	76	331.3	16	69.7	14	61.0	12	52.3
Carbon	911	284.9	817	255.5	154	48.2	191	59.7	279	87.2
Centre	1,329	164.1	1,053	130.0	276	34.1	217	26.8	266	32.8
Chester	4,899	188.5	4,486	172.6	1,179	45.4	955	36.8	1,215	46.8
Clarion	534	275.7	448	231.3	108	55.8	119	61.4	103	53.2
Clearfield	1,172	293.1	1,008	252.1	217	54.3	272	68.0	246	61.5
Clinton	590	302.6	435	223.1	66	33.8	126	64.6	103	52.8
Columbia	939	285.0	727	220.7	153	46.4	193	58.6	189	57.4
Crawford	1,159	270.4	1,082	252.5	262	61.1	329	76.8	292	68.1
Cumberland	3,220	257.7	2,512	201.0	613	49.1	600	48.0	575	46.0
Dauphin	3,164	229.6	2,734	198.4	569	41.3	534	38.8	860	62.4
Delaware	6,493	230.0	5,836	206.7	1,650	58.4	1,340	47.5	1,693	60.0
Elk	450	296.8	440	290.2	72	47.5	109	71.9	142	93.7
Erie	3,120	227.6	3,095	225.8	684	49.9	785	57.3	779	56.8
Fayette	2,384	362.5	1,852	281.6	360	54.7	545	82.9	576	87.6
Forest	94	257.2	85	232.5	17	46.5	36	98.5	22	60.2
Franklin	1,874	242.9	1,780	230.7	354	45.9	369	47.8	392	50.8
Fulton	204	279.8	211	289.4	47	64.5	27	37.0	62	85.0
Greene	584	317.0	472	256.2	90	48.9	190	103.1	144	78.2
Huntingdon	550	242.2	517	227.6	132	58.1	148	65.2	134	59.0
Indiana	1,032	241.8	852	199.6	236	55.3	178	41.7	404	94.6
Jefferson	660	300.9	589	268.5	145	66.1	133	60.6	160	72.9
Juniata	319	258.1	283	229.0	61	49.4	69	55.8	73	59.1
Lackawanna	3,691	350.0	2,710	257.0	554	52.5	669	63.4	727	68.9
Lancaster	5,978	220.8	5,352	197.7	1,576	58.2	1,210	44.7	1,497	55.3
Lawrence	1,528	352.0	1,220	281.0	241	55.5	309	71.2	374	86.1
Lebanon	1,938	277.3	1,614	231.0	411	58.8	379	54.2	358	51.2
Lehigh	3,743	204.8	3,565	195.0	779	42.6	696	38.1	1,117	61.1
Luzerne	5,132	323.3	3,937	248.0	836	52.7	948	59.7	1,159	73.0
Lycoming	1,376	240.5	1,399	244.5	305	53.3	401	70.1	279	48.8
McKean	653	315.1	531	256.3	90	43.4	186	89.8	114	55.0
Mercer	1,861	332.9	1,466	262.3	309	55.3	380	68.0	399	71.4
Mifflin	637	275.1	667	288.0	133	57.4	160	69.1	131	56.6
Monroe	1,787	212.7	1,809	215.3	290	34.5	361	43.0	546	65.0
Montgomery	9,064	219.6	8,198	198.7	2,732	66.2	1,696	41.1	2,089	50.6
Montour	194	211.7	223	243.3	52	56.7	65	70.9	76	82.9
Northampton	3,514	231.7	3,403	224.4	639	42.1	690	45.5	911	60.1
Northumberland	1,537	334.3	1,255	273.0	258	56.1	333	72.4	335	72.9
Perry	519	225.6	537	233.4	90	39.1	134	58.2	154	66.9
Philadelphia	17,365	220.2	15,031	190.6	3,569	45.3	2,903	36.8	6,091	77.3
Pike	645	231.2	632	226.6	107	38.4	126	45.2	191	68.5
Potter	197	234.7	248	295.5	53	63.1	81	96.5	62	73.9
Schuylkill	2,829	396.1	2,099	293.9	415	58.1	510	71.4	463	64.8
Snyder	435	214.7	408	201.4	79	39.0	79	39.0	109	53.8
Somerset	1,257	337.5	924	248.1	227	60.9	242	65.0	296	79.5
Sullivan	107	348.6	120	391.0	16	52.1	31	101.0	20	65.2
Susquehanna	575	281.3	566	276.9	101	49.4	159	77.8	144	70.4
Tioga	579	281.8	529	257.4	95	46.2	165	80.3	107	52.1
Union	449	199.7	393	174.8	99	44.0	80	35.6	88	39.1
Venango	863	332.7	710	273.7	141	54.4	185	71.3	153	59.0
Warren	634	319.0	582	292.8	111	55.8	162	81.5	104	52.3
Washington	2,749	264.9	2,738	263.8	665	64.1	642	61.9	839	80.8
Wayne	822	321.4	663	259.2	118	46.1	155	60.6	182	71.2
Westmoreland	5,508	312.0	4,814	272.7	1,009	57.1	1,259	71.3	1,591	90.1
Wyoming	398	291.6	366	268.2	70	51.3	103	75.5	107	78.4
York	4,457	199.9	4,756	213.3	1,254	56.2	938	42.1	1,446	64.8

*Rate per 100,000 population for each county, 2015-2019
Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Table C-35

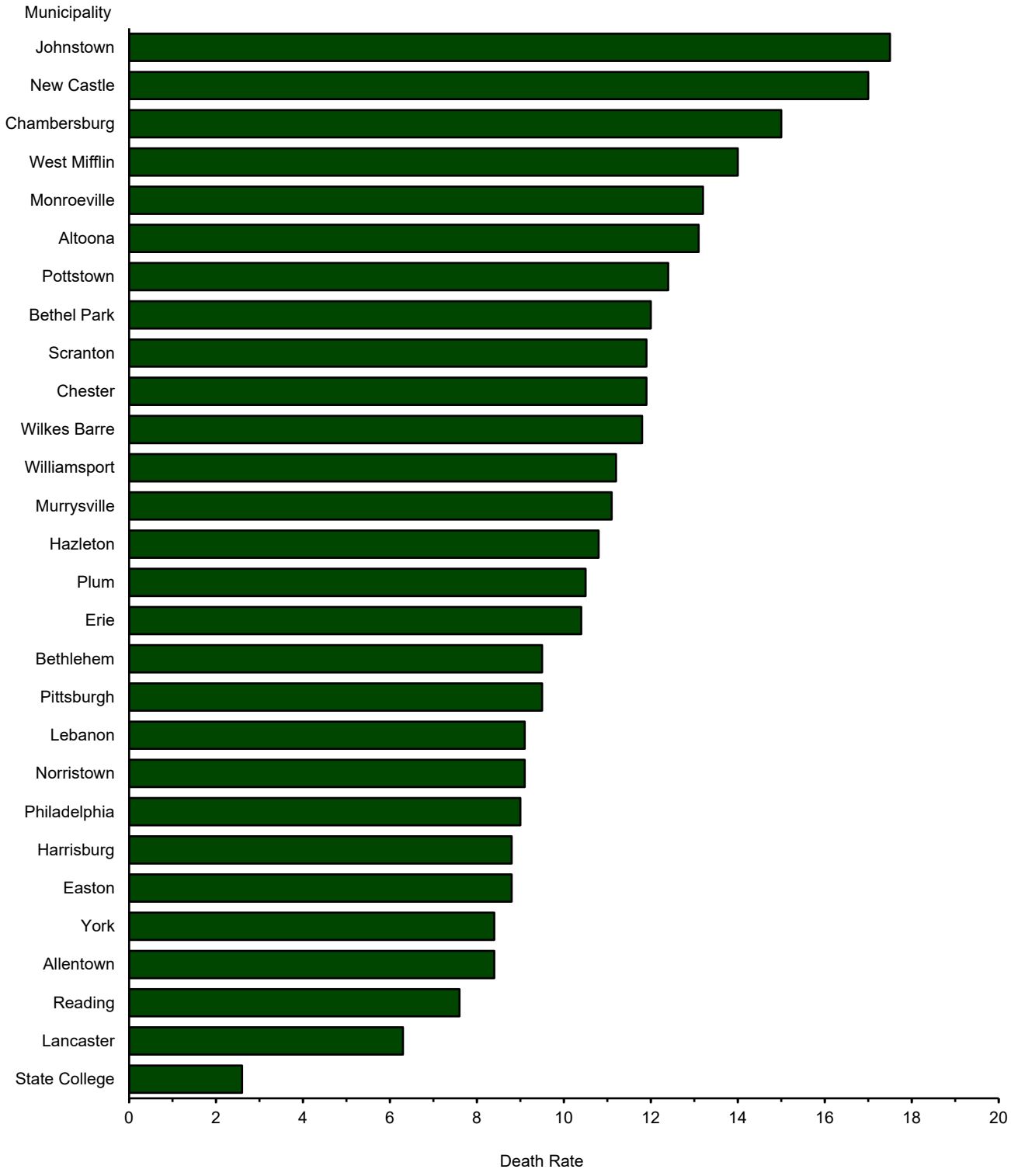
Resident Live Births, All Deaths, Infant, and Neonatal Deaths for Selected Municipalities, Number and Rate*: Pennsylvania, 2019

Municipality	Live Births		All Deaths		Infant Deaths		Neonatal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	134,247	10.5	133,932	10.5	788	5.9	549	4.1
Allentown	2,014	16.6	1,025	8.4	13	6.5	10	5.0
Altoona	497	11.5	566	13.1	3	ND	2	ND
Bethel Park	283	8.7	387	12.0	1	ND	1	ND
Bethlehem	806	10.6	718	9.5	4	ND	4	ND
Chambersburg	298	14.1	317	15.0	3	ND	0	ND
Chester	503	14.8	404	11.9	8	ND	7	ND
Easton	333	12.2	239	8.8	1	ND	1	ND
Erie	1,275	13.3	995	10.4	11	8.6	7	ND
Harrisburg	832	16.9	435	8.8	8	ND	4	ND
Hazleton	489	19.7	269	10.8	6	ND	3	ND
Johnstown	253	13.2	335	17.5	7	ND	4	ND
Lancaster	898	15.2	375	6.3	6	ND	4	ND
Lebanon	397	15.3	236	9.1	2	ND	1	ND
Monroeville	308	11.2	361	13.2	1	ND	0	ND
Murrysville	155	7.9	217	11.1	2	ND	1	ND
New Castle	290	13.4	368	17.0	2	ND	1	ND
Norristown	643	18.7	312	9.1	2	ND	1	ND
Philadelphia	20,510	12.9	14,190	9.0	146	7.1	102	5.0
Pittsburgh	3,064	10.2	2,855	9.5	27	8.8	18	5.9
Plum	247	9.1	284	10.5	1	ND	1	ND
Pottstown	381	16.9	281	12.4	2	ND	2	ND
Reading	1,628	18.4	670	7.6	20	12.3	13	8.0
Scranton	883	11.5	913	11.9	9	ND	7	ND
State College	118	2.8	108	2.6	2	ND	2	ND
West Mifflin	223	11.3	276	14.0	1	ND	1	ND
Wilkes Barre	578	14.2	483	11.8	1	ND	1	ND
Williamsport	352	12.5	316	11.2	4	ND	3	ND
York	776	17.7	370	8.4	6	ND	3	ND
All Other Areas	95,213	9.7	105,627	10.8	489	5.1	345	3.6

* Birth and death crude rates per 1,000 population, 2019. Infant and neonatal death rates per 1,000 live births, 2019.

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, 2019



Note: Rate per 1,000 population, 2019. See Table C-35 for corresponding data.

Table C-36

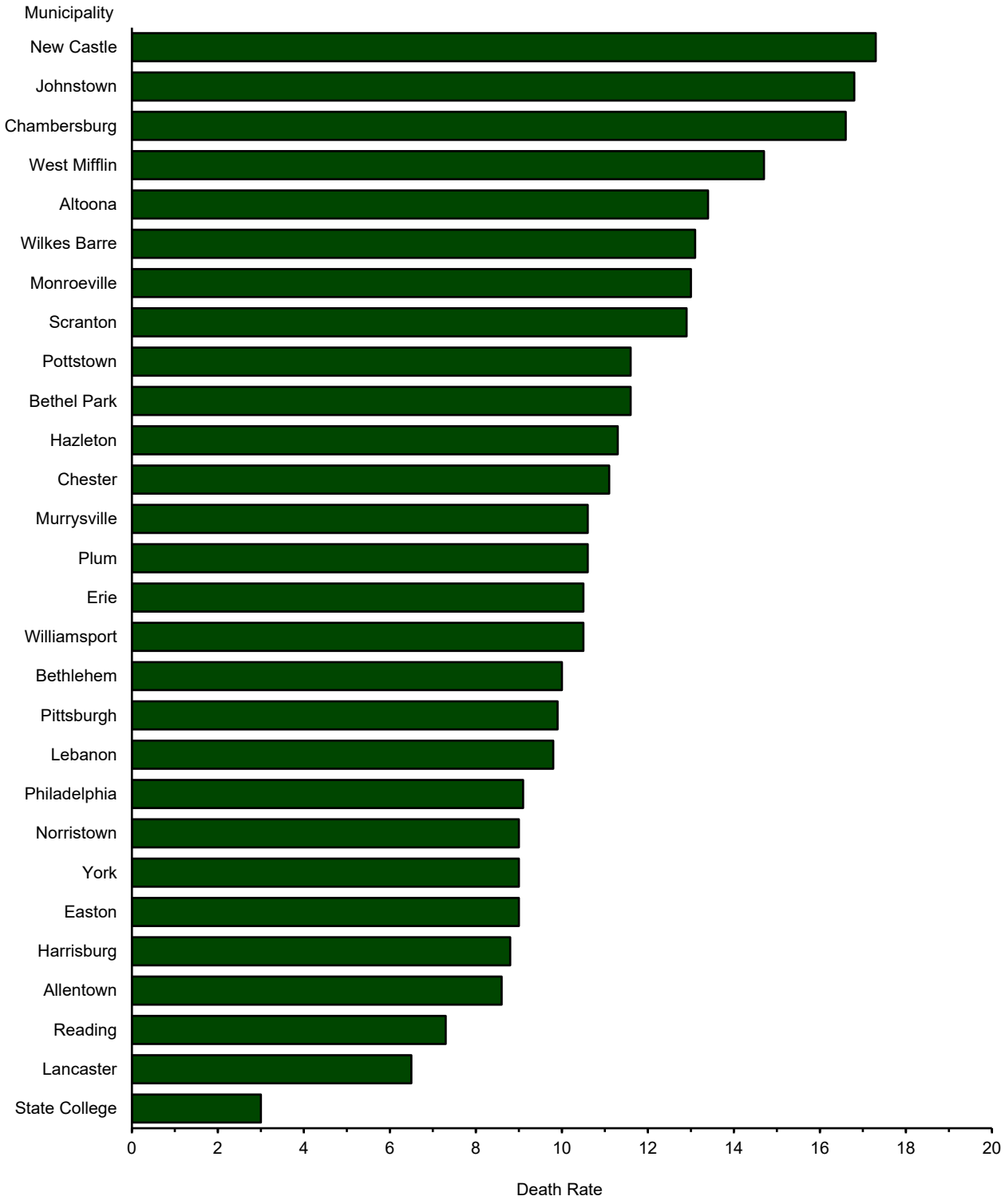
Resident Deaths, Infant, and Neonatal Deaths for Selected Municipalities
Number and Average Annual Rate*: Pennsylvania, 2015-2019

Municipality	All Deaths 2015 - 2019		Infant Deaths 2015 - 2019		Neonatal Deaths 2015 - 2019	
	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	669,156	10.5	4,154	6.0	2,953	4.3
Allentown	5,216	8.6	76	7.6	59	5.9
Altoona	2,959	13.4	22	8.4	13	4.9
Bethel Park	1,876	11.6	7	ND	6	ND
Bethlehem	3,769	10.0	17	4.1	14	3.4
Chambersburg	1,729	16.6	11	6.5	7	ND
Chester	1,886	11.1	42	15.6	33	12.2
Easton	1,215	9.0	12	7.1	7	ND
Erie	5,125	10.5	64	9.4	42	6.2
Harrisburg	2,168	8.8	46	10.5	23	5.2
Hazleton	1,393	11.3	17	6.7	9	ND
Johnstown	1,646	16.8	21	15.5	13	9.6
Lancaster	1,930	6.5	30	6.5	23	5.0
Lebanon	1,264	9.8	11	5.4	6	ND
Monroeville	1,809	13.0	9	ND	5	ND
Murrysville	1,053	10.6	4	ND	2	ND
New Castle	1,902	17.3	17	10.9	8	ND
Norristown	1,551	9.0	18	5.9	11	3.6
Philadelphia	71,385	9.1	861	8.1	617	5.8
Pittsburgh	14,981	9.9	130	8.0	92	5.7
Plum	1,441	10.6	1	ND	1	ND
Pottstown	1,315	11.6	13	6.7	7	ND
Reading	3,229	7.3	83	9.8	60	7.1
Scranton	4,970	12.9	41	9.2	29	6.5
State College	630	3.0	6	ND	5	ND
West Mifflin	1,463	14.7	8	ND	7	ND
Wilkes Barre	2,661	13.1	21	7.9	12	4.5
Williamsport	1,498	10.5	20	11.1	13	7.2
York	1,975	9.0	39	9.9	24	6.1
All Other Areas	525,117	10.7	2,507	5.2	1,805	3.7

* Crude death rate per 1,000 population for each specified area, 2015-2019. Infant and neonatal death rates per 1,000 live births for each specified area, 2015-2019.

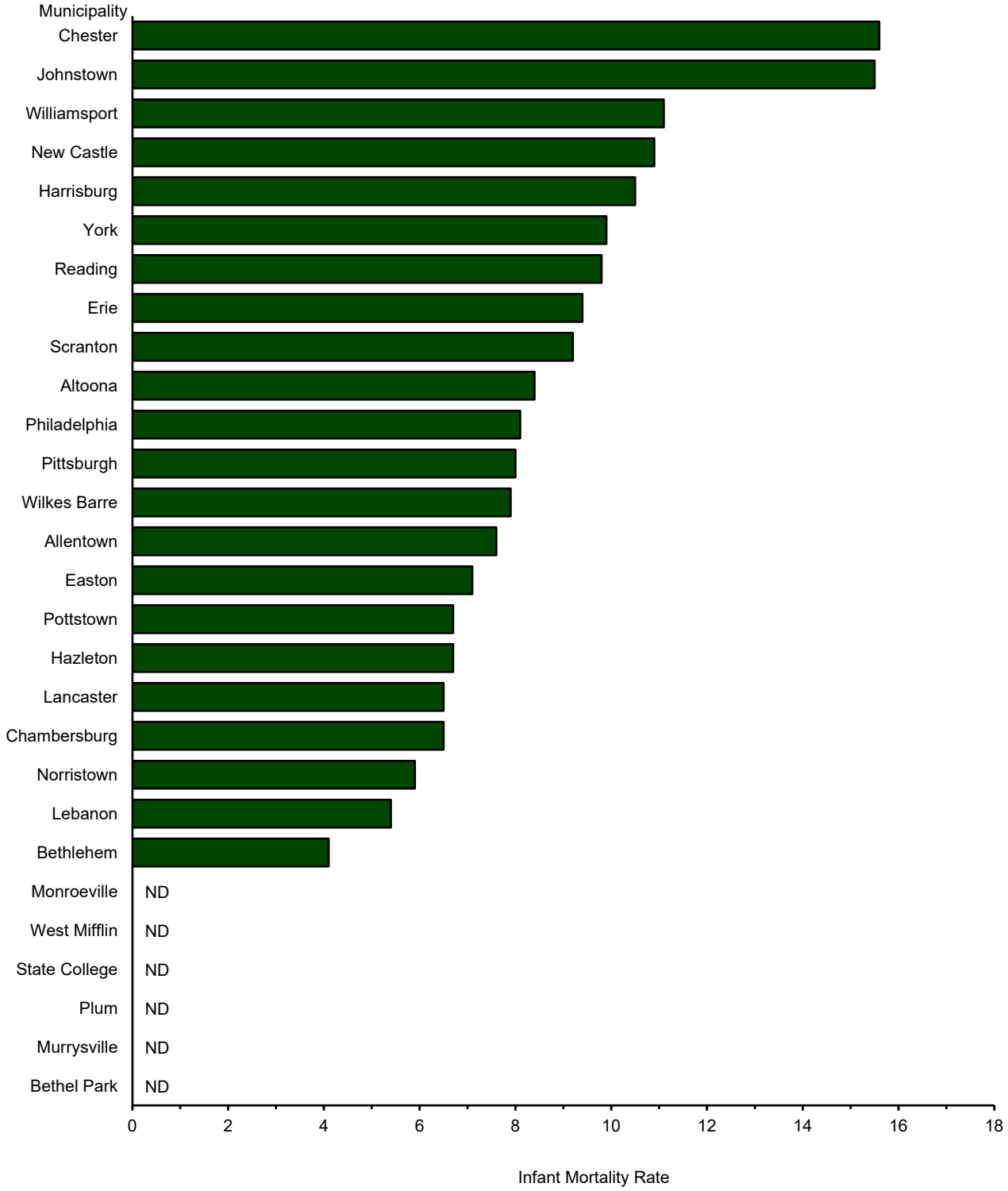
Notes: See Technical Notes for criteria used in municipality selection.
Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

Figure C-36
Resident Average Annual Crude Death Rates
for Selected Municipalities, Pennsylvania, 2015-2019



Note: Rate per 1,000 population, 2015-2019. See Table C-36 for corresponding data.

Figure C-37
Resident Average Annual Infant Mortality Rates
for Selected Municipalities, Pennsylvania, 2015-2019



Notes: Rate per 1,000 live births, 2015-2019. 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, 2019

Municipality	Total Deaths*	Age at Death (In Years)											
		Under 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Pennsylvania	133,932	909	92	109	324	763	2,628	3,315	6,541	15,946	24,020	32,334	46,946
Allentown	1,025	15	1	1	3	3	30	39	67	135	188	186	357
Altoona	566	3	0	0	1	5	9	24	32	79	125	132	156
Bethel Park	387	1	0	0	0	1	2	6	14	30	59	107	167
Bethlehem	718	4	0	0	0	4	16	14	44	88	104	166	278
Chambersburg	317	4	0	0	3	0	1	4	9	35	50	64	147
Chester	404	10	2	1	3	3	17	20	29	74	104	67	73
Easton	239	1	0	0	1	0	5	6	14	44	48	50	70
Erie	995	13	3	1	1	7	18	32	68	176	192	199	285
Harrisburg	435	8	0	0	1	0	16	33	50	69	94	77	87
Hazleton	269	7	0	0	0	2	5	2	19	34	41	51	108
Johnstown	335	8	0	1	0	2	9	16	24	45	62	75	93
Lancaster	375	6	0	0	2	5	9	27	24	71	70	79	82
Lebanon	236	2	0	0	2	7	8	7	18	41	52	46	53
Monroeville	361	1	0	0	0	0	4	4	9	22	58	101	162
Murrysville	217	2	0	0	0	0	4	2	6	12	31	49	111
New Castle	368	2	0	0	2	3	6	9	25	50	51	81	139
Norristown	312	3	0	0	0	1	11	21	20	65	67	46	78
Philadelphia	14,190	172	15	13	56	161	573	630	1,072	2,305	2,824	2,953	3,415
Pittsburgh	2,855	29	2	6	9	21	69	120	125	398	558	629	889
Plum	284	1	0	0	1	1	5	2	10	27	55	67	115
Pottstown	281	2	0	0	0	2	14	8	28	52	51	58	66
Reading	670	22	1	0	8	5	22	33	54	121	132	141	131
Scranton	913	10	1	1	1	3	16	24	51	126	156	228	296
State College	108	3	0	0	0	0	1	1	2	9	16	26	50
West Mifflin	276	2	0	0	1	3	4	4	19	31	45	65	102
Wilkes Barre	483	1	1	2	2	3	14	15	32	72	96	100	145
Williamsport	316	5	0	0	2	0	9	10	17	51	58	84	80
York	370	8	1	1	2	5	19	23	36	72	71	67	65
All Other Areas	105,627	564	65	82	223	516	1,712	2,179	4,623	11,612	18,562	26,340	39,146

*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, 2019

Municipality	Race					Hispanic Origin
	All Races	White	Black	Asian/ Pacific Islander	Multi-Race	
Pennsylvania	133,932	116,993	12,973	1,222	236	3,078
Allentown	1,025	828	87	14	5	198
Altoona	566	551	12	0	1	2
Bethel Park	387	373	8	3	0	2
Bethlehem	718	640	35	3	3	89
Chambersburg	317	292	17	0	2	9
Chester	404	78	304	2	1	25
Easton	239	194	35	2	0	11
Erie	995	847	124	10	2	19
Harrisburg	435	174	202	9	2	52
Hazleton	269	237	3	0	0	36
Johnstown	335	290	41	1	0	1
Lancaster	375	239	51	9	3	88
Lebanon	236	191	10	1	0	48
Monroeville	361	324	31	4	1	1
Murrysville	217	211	2	0	0	0
New Castle	368	338	29	0	0	2
Norristown	312	179	105	6	0	22
Philadelphia	14,190	6,049	6,783	343	50	972
Pittsburgh	2,855	1,926	866	28	6	20
Plum	284	274	9	1	0	0
Pottstown	281	227	42	4	0	6
Reading	670	467	98	6	1	217
Scranton	913	837	37	9	0	33
State College	108	103	2	2	0	2
West Mifflin	276	253	20	0	2	0
Wilkes Barre	483	425	33	4	1	31
Williamsport	316	283	29	0	2	1
York	370	249	83	2	2	48
All Other Areas	105,627	99,914	3,875	759	152	1,143

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, 2019

Municipality	Race			Hispanic Origin
	All Races	White	Black	
Pennsylvania	788	420	240	98
Allentown	13	8	3	9
Altoona	3	2	0	0
Bethel Park	1	1	0	0
Bethlehem	4	0	2	2
Chambersburg	3	2	0	1
Chester	8	2	5	1
Easton	1	0	1	1
Erie	11	3	5	1
Harrisburg	8	2	4	2
Hazleton	6	3	0	5
Johnstown	7	3	2	0
Lancaster	6	1	2	3
Lebanon	2	1	1	1
Monroeville	1	0	1	0
Murrysville	2	1	0	0
New Castle	2	1	1	0
Norristown	2	0	0	1
Philadelphia	146	24	95	20
Pittsburgh	27	5	20	0
Plum	1	1	0	0
Pottstown	2	1	1	0
Reading	20	12	4	15
Scranton	9	3	3	3
State College	2	2	0	0
West Mifflin	1	1	0	0
Wilkes Barre	1	0	1	0
Williamsport	4	2	1	0
York	6	0	3	3
All Other Areas	489	339	85	30

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, 2015-2019

Municipality	All Races 2015-2019	Race: White	Black	Asian/ Pacific Islander	Multi-Race	Hispanic Origin
Pennsylvania	4,154	2,259	1,278	91	148	522
Allentown	76	39	19	0	4	52
Altoona	22	19	2	0	0	0
Bethel Park	7	7	0	0	0	0
Bethlehem	17	7	3	0	1	10
Chambersburg	11	6	1	0	1	3
Chester	42	4	31	0	1	8
Easton	12	6	3	1	1	2
Erie	64	26	30	2	4	7
Harrisburg	46	8	26	0	2	10
Hazleton	17	5	1	0	0	13
Johnstown	21	6	11	0	1	0
Lancaster	30	11	4	1	1	17
Lebanon	11	7	2	0	2	4
Monroeville	9	3	6	0	0	0
Murrysville	4	3	0	0	0	0
New Castle	17	10	6	0	1	0
Norristown	18	6	9	0	0	4
Philadelphia	861	130	566	23	16	121
Pittsburgh	130	32	84	1	6	4
Plum	1	1	0	0	0	0
Pottstown	13	5	7	0	1	1
Reading	83	58	15	0	2	59
Scranton	41	28	8	0	1	7
State College	6	6	0	0	0	0
West Mifflin	8	4	2	0	0	1
Wilkes Barre	21	7	10	0	2	10
Williamsport	20	8	8	0	3	1
York	39	8	17	0	5	15
All Other Areas	2,507	1,799	407	63	93	173

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, 2019

Municipality	All Causes	Diseases of Heart: Total Diseases of Heart	Diseases of Heart: Ischemic Excl. Acute Myocardial Infarction	Diseases of Heart: Acute Myocardial Infarction	Diseases of Heart: Other Heart Disease	Cancer (Malignant Neoplasms): Total Malignant Neoplasms	Cancer (Malignant Neoplasms): Lung and Bronchus	Cancer (Malignant Neoplasms): Colon and Rectum
Pennsylvania	133,932	32,250	12,010	4,912	15,328	27,703	6,574	2,316
Allentown	1,025	209	64	31	114	190	36	13
Altoona	566	155	34	19	102	114	37	11
Bethel Park	387	92	35	11	46	80	9	8
Bethlehem	718	155	45	14	96	136	30	13
Chambersburg	317	84	28	9	47	59	15	6
Chester	404	81	28	7	46	66	18	2
Easton	239	77	49	4	24	37	12	3
Erie	995	229	72	39	118	194	53	19
Harrisburg	435	110	38	6	66	83	24	9
Hazleton	269	70	33	14	23	50	8	8
Johnstown	335	68	18	17	33	63	17	2
Lancaster	375	75	40	9	26	73	21	6
Lebanon	236	63	17	7	39	47	14	4
Monroeville	361	100	47	9	44	76	21	7
Murrysville	217	67	34	7	26	34	7	3
New Castle	368	84	30	11	43	57	16	7
Norristown	312	78	37	5	36	66	15	8
Philadelphia	14,190	3,450	1,472	334	1,644	2,865	682	246
Pittsburgh	2,855	696	342	94	260	561	129	56
Plum	284	66	27	10	29	70	23	9
Pottstown	281	55	27	5	23	57	15	7
Reading	670	150	43	49	58	142	29	10
Scranton	913	238	73	22	143	174	46	15
State College	108	24	8	3	13	19	3	0
West Mifflin	276	68	28	8	32	67	14	5
Wilkes Barre	483	112	54	13	45	86	22	8
Williamsport	316	60	18	12	30	60	19	5
York	370	60	38	6	16	84	31	5
All Other Areas	105,627	25,474	9,231	4,137	12,106	22,093	5,208	1,821

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, 2019

Municipality	Cancer (Malignant Neoplasms)					
	Female Breast	Pancreas	Prostate	Leukemia	Non-Hodgkin Lymphoma	All Other Sites
Pennsylvania	1,878	2,123	1,346	1,112	952	11,402
Allentown	15	11	11	6	11	87
Altoona	5	9	5	6	3	38
Bethel Park	5	11	4	3	4	36
Bethlehem	10	12	4	1	6	60
Chambersburg	6	2	1	5	1	23
Chester	3	4	6	0	1	32
Easton	1	1	0	1	2	17
Erie	16	9	9	4	6	78
Harrisburg	4	8	4	1	1	32
Hazleton	0	6	2	1	2	23
Johnstown	4	7	3	2	2	26
Lancaster	6	10	2	4	0	24
Lebanon	2	1	1	2	0	23
Monroeville	8	6	3	3	0	28
Murrysville	4	4	4	2	1	9
New Castle	1	4	1	4	4	20
Norristown	3	9	2	3	1	25
Philadelphia	210	221	144	92	82	1,188
Pittsburgh	39	41	31	24	19	222
Plum	5	4	4	2	3	20
Pottstown	4	5	2	2	1	21
Reading	6	10	8	4	3	72
Scranton	12	9	2	9	4	77
State College	2	0	1	1	0	12
West Mifflin	8	8	5	2	2	23
Wilkes Barre	3	10	7	1	2	33
Williamsport	3	5	4	3	2	19
York	3	3	2	2	1	37
All Other Areas	1,490	1,693	1,074	922	788	9,097

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, 2019

Municipality	Cerebrovascular Disease	Chronic Lower Respiratory Disease	Accidents			Alzheimer's Disease	Diabetes Mellitus
			Non-Transport	Motor Vehicle	Other Transport		
Pennsylvania	6,645	6,337	7,369	1,118	77	4,151	3,652
Allentown	53	41	89	5	2	31	30
Altoona	26	31	27	2	0	10	20
Bethel Park	20	19	15	1	0	15	9
Bethlehem	29	21	49	2	0	23	17
Chambersburg	15	14	9	4	0	5	8
Chester	28	13	24	4	0	9	13
Easton	7	12	16	0	0	9	9
Erie	35	58	53	7	2	29	25
Harrisburg	18	16	46	1	0	4	14
Hazleton	11	15	15	3	0	6	10
Johnstown	9	18	34	2	0	12	8
Lancaster	18	22	41	4	1	8	12
Lebanon	10	17	13	6	1	5	2
Monroeville	16	16	12	3	0	22	6
Murrysville	12	8	12	1	0	5	4
New Castle	16	21	20	1	0	24	19
Norristown	24	13	22	2	0	6	13
Philadelphia	697	537	1,271	105	9	220	334
Pittsburgh	138	131	227	21	0	94	52
Plum	15	8	14	2	0	12	7
Pottstown	16	8	23	4	0	3	9
Reading	29	36	54	11	0	4	16
Scranton	36	52	43	7	1	28	21
State College	6	4	4	0	0	10	1
West Mifflin	19	6	18	1	0	8	3
Wilkes Barre	11	24	31	7	0	11	18
Williamsport	11	29	16	3	0	13	12
York	20	18	45	2	0	10	13
All Other Areas	5,300	5,129	5,126	907	61	3,515	2,947

Table C-41 (Continued)
Selected Causes of Death for Selected Municipalities
Pennsylvania Residents, 2019

Municipality	Nephritis, Nephrotic Syn. & Nephrosis	Influenza & Pneumonia	Septicemia	Intentional Self-harm (Suicide)	Parkinson's Disease	Chronic Liver Disease & Cirrhosis	Essential Hypertension & Hypertensive Renal Disease
Pennsylvania	2,966	2,472	2,282	1,887	1,609	1,474	1,125
Allentown	13	15	20	5	11	13	17
Altoona	14	12	5	11	6	10	3
Bethel Park	8	8	4	4	5	1	11
Bethlehem	16	14	11	13	13	12	6
Chambersburg	7	3	9	3	4	7	2
Chester	18	9	4	4	4	4	4
Easton	3	3	4	6	1	2	3
Erie	25	17	12	17	7	20	8
Harrisburg	10	9	2	7	5	3	6
Hazleton	5	6	3	3	1	2	5
Johnstown	10	11	9	2	3	3	5
Lancaster	6	3	4	8	5	5	6
Lebanon	5	12	4	3	4	3	0
Monroeville	5	4	4	1	9	7	2
Murrysville	2	3	2	3	1	0	5
New Castle	7	12	2	9	0	7	2
Norristown	5	4	5	5	3	9	2
Philadelphia	351	198	376	165	102	116	97
Pittsburgh	63	51	48	52	21	42	26
Plum	3	8	6	2	3	4	0
Pottstown	11	6	5	10	1	4	0
Reading	17	8	17	9	3	17	7
Scranton	22	17	15	5	15	9	11
State College	0	3	1	2	2	0	0
West Mifflin	5	2	7	5	2	4	2
Wilkes Barre	9	5	8	8	5	9	14
Williamsport	9	4	0	2	4	4	1
York	8	7	4	9	2	4	2
All Other Areas	2,309	2,018	1,691	1,514	1,367	1,153	878

Table C-41 (Continued)
Selected Causes of Death for Selected Municipalities
Pennsylvania Residents, 2019

Municipality	In Situ, Benign, & Uncertain Neoplasms	Assault (Homicide)	Perinatal Conditions	Nutritional Deficiencies	Congenital Malformations & Chromosomal Anomalies	All Other Causes
Pennsylvania	806	721	424	409	346	28,109
Allentown	6	7	9	3	3	253
Altoona	4	1	2	0	0	113
Bethel Park	1	2	0	3	0	89
Bethlehem	5	0	3	6	3	184
Chambersburg	0	1	0	2	1	80
Chester	1	15	5	2	2	94
Easton	2	0	1	1	0	46
Erie	8	8	6	3	3	229
Harrisburg	1	8	4	5	0	83
Hazleton	0	2	2	0	2	58
Johnstown	3	2	2	0	2	69
Lancaster	4	5	3	0	3	69
Lebanon	2	1	1	1	0	36
Monroeville	1	2	0	1	1	73
Murrysville	0	0	1	1	1	55
New Castle	2	2	1	0	0	82
Norristown	3	4	1	0	1	46
Philadelphia	62	351	88	41	37	2,718
Pittsburgh	13	34	13	4	11	557
Plum	1	0	1	2	0	60
Pottstown	3	3	2	0	0	61
Reading	1	6	11	3	1	128
Scranton	9	4	4	2	5	195
State College	1	1	2	0	0	28
West Mifflin	0	3	1	0	1	54
Wilkes Barre	3	5	1	0	0	116
Williamsport	0	10	2	3	2	71
York	1	12	3	1	0	65
All Other Areas	669	232	255	325	267	22,397

Table C-42
Selected Causes of Death for Selected Municipalities
Number and Average Annual Rate*: Pennsylvania Residents, 2015-2019

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	160,974	251.5	140,898	220.1	33,550	52.4	32,591	50.9	42,169	65.9
Allentown	1,052	173.9	1,034	171.0	243	40.2	211	34.9	463	76.6
Altoona	705	318.9	570	257.8	112	50.7	151	68.3	182	82.3
Bethel Park	455	282.1	390	241.8	96	59.5	97	60.1	88	54.6
Bethlehem	876	232.1	778	206.1	170	45.0	140	37.1	252	66.8
Chambersburg	425	407.0	283	271.0	81	77.6	79	75.6	77	73.7
Chester	398	234.0	365	214.6	114	67.0	81	47.6	115	67.6
Easton	388	286.5	217	160.3	34	25.1	61	45.0	95	70.2
Erie	1,084	222.4	1,044	214.2	229	47.0	263	54.0	298	61.1
Harrisburg	508	206.8	436	177.5	83	33.8	82	33.4	218	88.7
Hazleton	361	291.8	250	202.1	53	42.8	55	44.5	117	94.6
Johnstown	356	363.4	303	309.3	67	68.4	91	92.9	185	188.8
Lancaster	390	131.3	409	137.7	102	34.3	106	35.7	197	66.3
Lebanon	329	255.4	266	206.5	58	45.0	72	55.9	92	71.4
Monroeville	461	332.2	361	260.2	92	66.3	83	59.8	101	72.8
Murrysville	252	253.9	218	219.6	49	49.4	45	45.3	51	51.4
New Castle	448	407.3	350	318.2	60	54.5	109	99.1	158	143.6
Norristown	371	215.6	317	184.2	92	53.5	59	34.3	139	80.8
Philadelphia	17,365	220.2	15,031	190.6	3,569	45.3	2,903	36.8	6,091	77.3
Pittsburgh	3,683	243.6	3,050	201.8	688	45.5	757	50.1	1,271	84.1
Plum	345	253.0	325	238.3	60	44.0	63	46.2	80	58.7
Pottstown	299	263.8	248	218.8	78	68.8	81	71.5	110	97.1
Reading	714	162.0	647	146.8	181	41.1	155	35.2	275	62.4
Scranton	1,357	351.7	922	239.0	195	50.5	262	67.9	296	76.7
State College	151	71.5	102	48.3	57	27.0	21	9.9	24	11.4
West Mifflin	400	403.1	289	291.2	74	74.6	59	59.5	96	96.7
Wilkes Barre	653	320.5	486	238.6	117	57.4	121	59.4	172	84.4
Williamsport	316	220.9	295	206.2	64	44.7	96	67.1	87	60.8
York	364	165.4	392	178.2	90	40.9	93	42.3	242	110.0
All Other Areas	126,468	258.2	111,520	227.7	26,642	54.4	26,195	53.5	30,597	62.5

*Rate per 100,000 population for each specified area, 2015-2019.

INDUCED ABORTIONS

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Table D-1

Induced Abortions, Number and Rate, Pennsylvania Residents, and Number of Pennsylvania Occurrences, 1975, 1980-2019

Year	Residents Number	Residents Rate*	Number of Occurrences
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, 2019 and Number, Pennsylvania Occurrences, 2019, 2010, 2005, 2000, 1995, 1990 and 1985

Age of Woman (In Years)	2019 Residents Number	2019 Residents Rate*	Occurrences 2019	2010	2005	2000	1995	1990	1985
All Ages	28,796	12.1	31,018	36,778	34,909	35,630	39,050	52,143	53,465
Under 15	66	0.2	71	190	226	304	375	484	564
15 - 19	2,303	5.8	2,474	5,728	5,760	6,505	7,297	12,052	13,955
20 - 24	7,752	19.7	8,435	12,930	11,714	11,643	12,797	17,556	18,605
25 - 29	8,875	21.1	9,529	8,522	7,903	7,800	8,778	10,824	11,203
30 - 34	5,751	13.8	6,188	5,258	5,028	5,196	5,500	6,822	5,802
35 - 39	3,054	7.7	3,244	2,999	3,105	3,063	3,355	3,503	2,677
40 - 44	931	2.6	1,008	1,031	1,098	1,064	900	859	603
45 & Over	64	0.2	69	109	74	55	48	43	35
Unknown	0	-	0	11	1	0	0	0	21

*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, 2019

Weeks of Gestation	Number	Percent
Total	28,796	100.0
8 Weeks or Less	18,474	64.2
9 - 10	4,779	16.6
11 - 12	2,195	7.6
13 - 14	1,282	4.5
15 - 17	1,135	3.9
18 - 20	570	2.0
21 - 23	361	1.3
24 Weeks or More	0	0.0

Table D-4
Induced Abortions by Primary Type of Procedure
Number and Percent: Pennsylvania Residents, 2019

Primary Type of Procedure	Number	Percent
Total	28,796	100.0
Suction Curettage	14,614	50.8
Dilation & Evacuation	1,289	4.5
Medication	12,854	44.6
Other	39	0.1

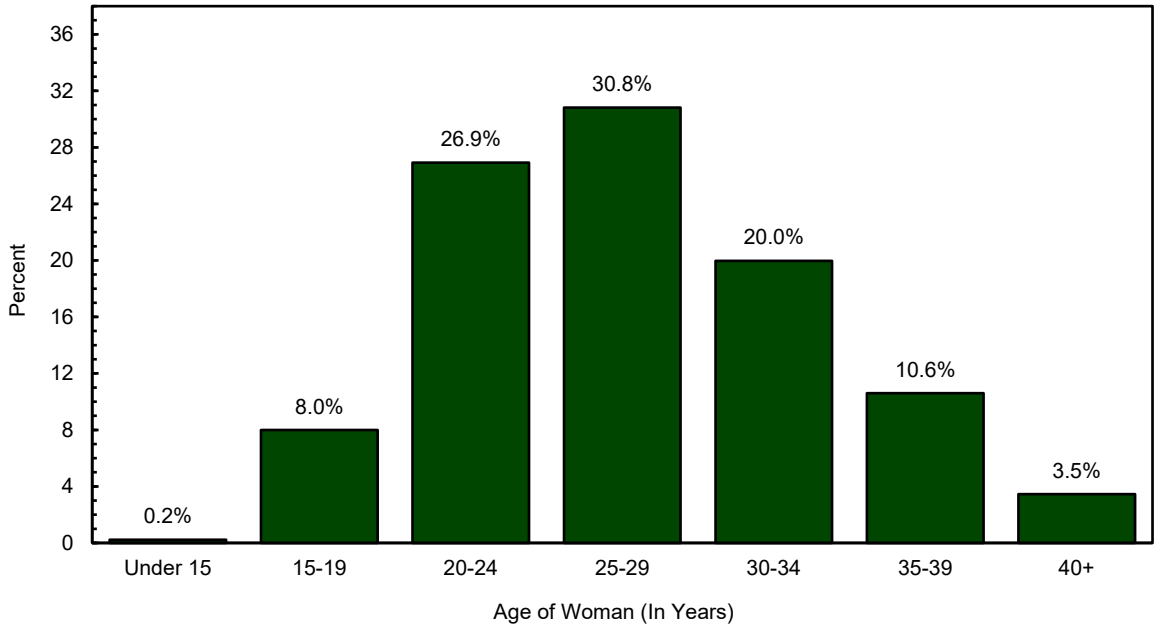
Table D-5
Induced Abortions by Race and Hispanic Origin of Woman and Marital Status
Number and Percent*: Pennsylvania Residents, 2019

Race and Hispanic Origin of Woman	Total Induced Abortions	Marital Status**			
		Married		Unmarried	
		Number	Percent	Number	Percent
All Races	28,796	3,477	12.1	25,291	87.9
White	13,639	1,990	14.6	11,636	85.4
Black	12,651	764	6.0	11,877	94.0
Asian/Pacific Isl.	1,177	556	47.3	620	52.7
Multi-Race	858	71	8.3	787	91.7
Hispanic Origin	3,177	415	13.1	2,759	86.9

* Percent of total induced abortions for each specified group. Unknowns excluded from calculations.
** Unknown marital status included in total induced abortions.

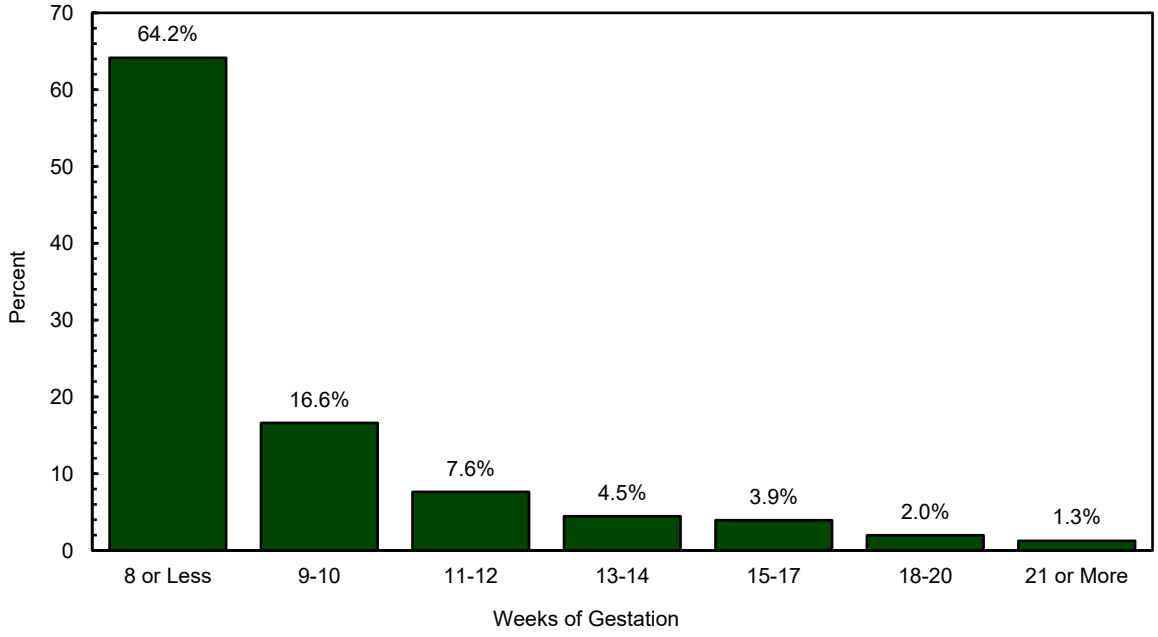
Note: Hispanic origin can be of any race. Percents may not sum to 100 due to rounding.

Figure D-1
Induced Abortions, Percent by Age Group
Pennsylvania Residents, 2019



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

Figure D-2
Induced Abortions, Percent by Weeks of Gestation
Pennsylvania Residents, 2019



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, 2019

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	28,796	12.1	66	2,303	7,752	8,875	5,751	3,054	931	64
Adams	54	3.1	0	8	16	20	6	4	0	0
Allegheny	3,265	13.8	7	252	877	1,056	650	320	98	5
Armstrong	46	4.6	0	7	17	13	3	5	1	0
Beaver	243	8.9	0	18	88	62	42	26	6	1
Bedford	10	1.4	0	1	3	5	0	1	0	0
Berks	794	10.1	4	69	234	235	153	77	19	3
Blair	77	3.7	0	9	26	15	13	11	2	1
Bradford	8	ND	0	2	2	2	2	0	0	0
Bucks	934	8.7	2	72	233	243	208	131	41	4
Butler	169	5.2	0	15	52	47	28	22	5	0
Cambria	139	6.5	1	12	47	33	29	13	4	0
Cameron	8	ND	0	1	4	2	1	0	0	0
Carbon	77	7.6	0	4	29	16	15	8	5	0
Centre	105	2.8	0	6	42	21	21	14	1	0
Chester	809	8.4	1	53	231	213	172	107	30	2
Clarion	27	3.7	0	2	11	6	7	0	1	0
Clearfield	44	3.7	1	4	14	12	5	7	1	0
Clinton	26	3.4	0	2	9	9	3	2	1	0
Columbia	64	4.9	0	3	22	12	17	7	3	0
Crawford	48	3.3	0	5	13	20	8	2	0	0
Cumberland	257	5.4	0	22	62	76	56	30	11	0
Dauphin	602	11.4	2	45	160	180	121	67	20	7
Delaware	1,839	16.5	3	149	426	569	401	227	62	2
Elk	15	3.4	0	1	5	4	2	2	1	0
Erie	215	4.3	0	18	59	80	36	18	2	2
Fayette	162	7.7	2	23	47	41	32	12	5	0
Forest	4	ND	0	0	1	3	0	0	0	0
Franklin	21	0.8	0	2	8	8	3	0	0	0
Fulton	2	ND	0	0	0	2	0	0	0	0
Greene	49	8.2	0	4	17	13	13	2	0	0
Huntingdon	26	3.7	0	4	3	6	6	4	2	1
Indiana	67	4.1	0	6	29	14	9	7	2	0
Jefferson	24	3.4	0	1	7	8	5	1	2	0

(Continued)

Table D-6
Induced Abortions by Age of Woman and County
Number and Rate*: Pennsylvania Residents, 2019

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
Juniata	6	ND	0	1	3	1	1	0	0	0
Lackawanna	284	7.5	2	13	75	95	59	31	9	0
Lancaster	535	5.2	0	48	158	152	93	59	23	2
Lawrence	95	6.7	0	10	24	32	16	6	7	0
Lebanon	129	5.1	0	9	42	36	24	10	8	0
Lehigh	842	11.8	4	70	239	231	159	101	38	0
Luzerne	566	10.2	2	55	166	157	107	60	18	1
Lycoming	81	3.9	0	10	23	26	16	4	2	0
McKean	5	ND	0	0	3	2	0	0	0	0
Mercer	103	5.7	0	6	22	38	23	10	4	0
Mifflin	24	3.3	0	4	3	8	3	6	0	0
Monroe	320	10.3	2	24	108	81	71	19	14	1
Montgomery	1,652	10.8	3	117	390	470	337	243	87	5
Montour	8	ND	0	1	1	2	1	0	3	0
Northampton	601	10.8	0	55	154	170	117	74	26	5
Northumberland	77	5.3	0	6	24	25	12	7	3	0
Perry	38	4.9	0	4	12	11	6	4	1	0
Philadelphia	11,521	31.5	28	905	3,049	3,801	2,323	1,087	308	20
Pike	32	3.9	0	5	8	11	4	3	1	0
Potter	3	ND	0	0	1	2	0	0	0	0
Schuylkill	166	7.5	0	14	46	57	22	22	4	1
Snyder	22	2.9	0	4	4	3	6	5	0	0
Somerset	38	3.6	0	3	9	8	9	7	2	0
Sullivan	1	ND	0	0	0	0	0	1	0	0
Susquehanna	12	2.0	0	0	4	3	2	2	1	0
Tioga	30	4.4	0	4	12	6	6	2	0	0
Union	24	3.1	0	4	9	8	1	1	1	0
Venango	35	4.5	0	2	11	13	5	3	1	0
Warren	13	2.2	1	2	4	2	3	1	0	0
Washington	247	7.1	0	21	59	67	45	42	13	0
Wayne	32	4.5	0	3	11	11	5	2	0	0
Westmoreland	394	7.2	0	27	100	133	76	47	11	0
Wyoming	17	3.9	0	2	5	6	1	2	1	0
York	613	7.6	1	54	179	161	131	66	20	1

*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, 2019

County	Number	County	Number
Pennsylvania	31,018		
Adams	0	Lackawanna	0
Allegheny	6,474	Lancaster	0
Armstrong	0	Lawrence	0
Beaver	0	Lebanon	0
Bedford	0	Lehigh	948
Berks	790	Luzerne	0
Blair	0	Lycoming	0
Bradford	0	McKean	0
Bucks	778	Mercer	0
Butler	0	Mifflin	0
Cambria	0	Monroe	0
Cameron	0	Montgomery	920
Carbon	0	Montour	3
Centre	0	Northampton	2,454
Chester	848	Northumberland	0
Clarion	0	Perry	0
Clearfield	0	Philadelphia	14,573
Clinton	0	Pike	0
Columbia	0	Potter	0
Crawford	0	Schuylkill	0
Cumberland	0	Snyder	0
Dauphin	878	Somerset	0
Delaware	1,180	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	1,172
Juniata	0		

REPORTED PREGNANCIES

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Table E-1
Reported Pregnancies, Number and Rate*
Pennsylvania Residents, 1980-2019

Year	Number	Rate
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, 2019, 2010, 2000 and 1990

Age of Woman	2019		2010		2000		1990	
(In Years)	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Ages	164,212	68.9	179,003	73.3	181,321	70.8	222,084	82.6
Under 15	126	0.3	340	0.9	596	1.4	900	2.4
15 - 17	2,007	9.0	5,326	21.2	6,837	28.1	10,557	47.8
18 - 19	5,615	32.9	12,205	63.8	13,658	78.5	19,056	105.0
20 - 29	79,101	97.2	93,850	114.3	90,358	122.2	123,875	138.0
30 & Over	77,348	49.4	67,150	40.4	69,872	37.5	67,696	39.2
Unknown	15	-	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 and 2019.

Table E-3
Reported Pregnancies by Age, Race and Hispanic Origin of Woman
Number and Rate*: Pennsylvania Residents, 2019

Age of Woman (In Years)	Race: All Races		White		Black		Asian/Pacific Islander		Multi-Race		Hispanic Origin	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Ages	164,212	68.9	107,422	58.0	31,820	95.1	7,483	60.2	5,349	89.5	19,990	86.8
Under 15	126	0.3	49	0.2	55	1.0	0	ND	11	0.6	31	0.7
15 - 17	2,007	9.0	840	4.9	691	21.5	23	2.4	175	19.3	512	20.2
18 - 19	5,615	32.9	2,788	21.1	1,689	71.4	90	10.9	375	63.5	1,318	75.2
20 - 24	30,981	78.8	17,863	58.9	7,910	138.9	648	34.4	1,555	122.4	5,488	136.7
25 - 29	48,120	114.4	30,921	96.8	10,290	155.5	1,904	86.3	1,449	133.2	5,886	145.3
30 - 34	48,392	116.0	34,664	106.9	6,958	118.3	2,956	124.5	1,082	127.6	4,168	110.6
35 - 39	23,740	60.2	16,849	53.9	3,325	65.6	1,518	68.3	597	85.7	2,048	55.7
40 - 44	4,820	13.3	3,186	11.0	836	18.1	316	16.0	94	16.4	493	15.2
45 & Over	396	1.0	253	0.8	65	1.4	27	1.5	11	2.1	46	1.6
Unknown	15	-	9	-	1	-	1	-	0	-	0	-

* Rate per 1,000 female population for each specified group, 2019. 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, 2019

Race and Hispanic Origin of Woman	Reported Pregnancies	Outcome: Live Births		Fetal Deaths		Induced Abortions	
		Number	Percent	Number	Percent	Number	Percent
All Races	164,212	134,247	81.8	1,169	0.7	28,796	17.5
White	107,422	93,118	86.7	665	0.6	13,639	12.7
Black	31,820	18,911	59.4	258	0.8	12,651	39.8
Asian/Pac. Isl.	7,483	6,272	83.8	34	0.5	1,177	15.7
Multi-Race	5,349	4,469	83.5	22	0.4	858	16.0
Hispanic Origin	19,990	16,674	83.4	139	0.7	3,177	15.9

* 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, 2019

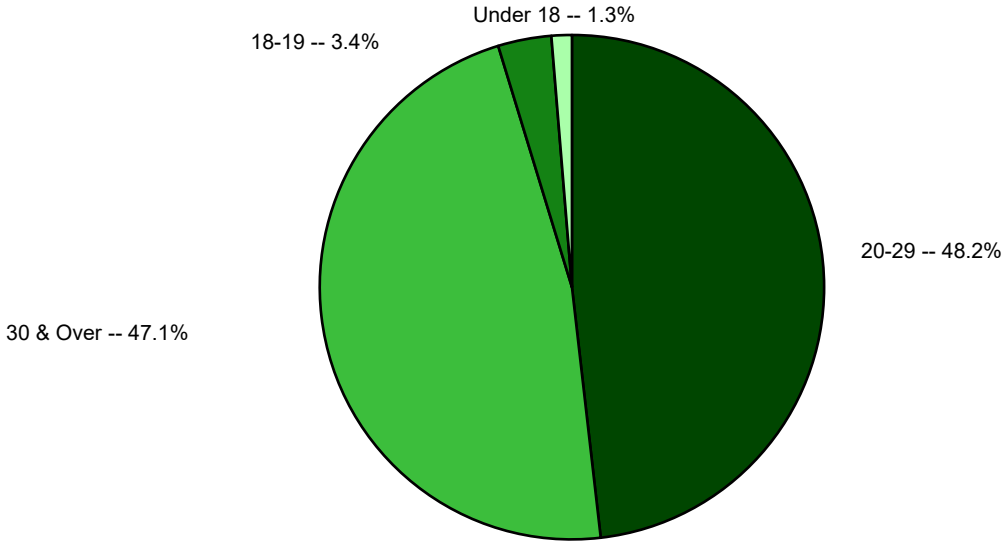
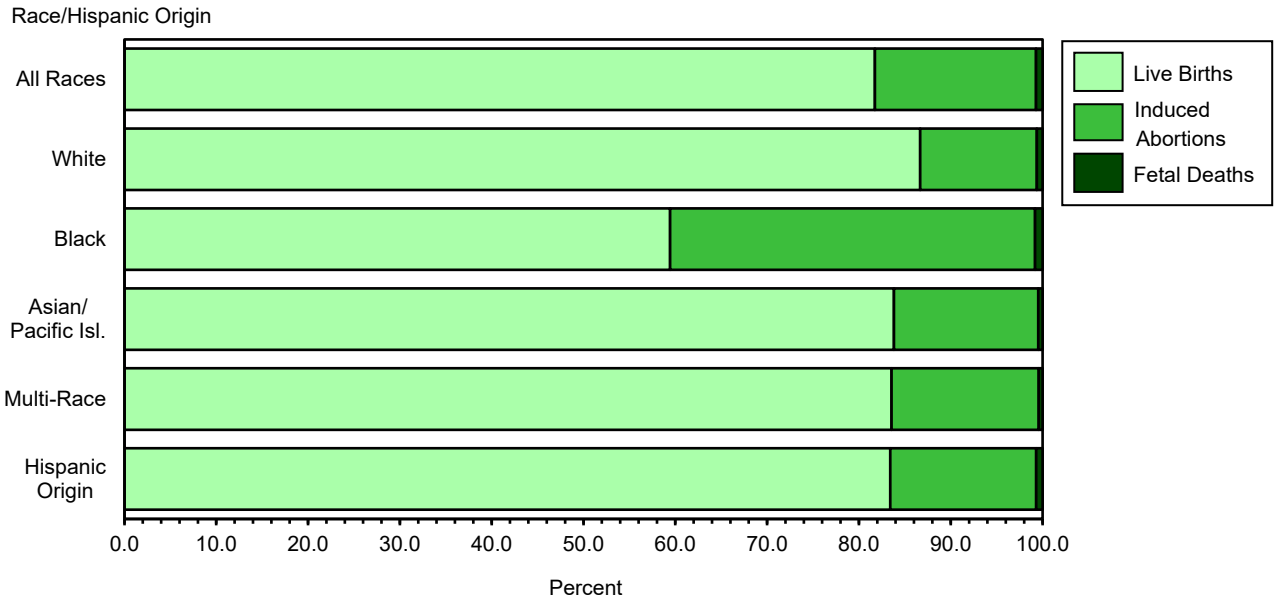


Figure E-2
Reported Pregnancies by Race and Hispanic Origin of Woman
and Outcome, Pennsylvania Residents, 2019



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, 2019

County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions
Pennsylvania				
All Ages	164,212	134,247	1,169	28,796
Under 15	126	59	1	66
15-17	2,007	1,335	24	648
18-19	5,615	3,917	43	1,655
20-29	79,101	61,948	526	16,627
30 & Over	77,348	66,973	575	9,800
Adams				
All Ages	1,000	937	9	54
Under 15	0	0	0	0
15-17	4	4	0	0
18-19	37	29	0	8
20-29	553	513	4	36
30 & Over	406	391	5	10
Allegheny				
All Ages	16,276	12,905	106	3,265
Under 15	11	4	0	7
15-17	189	91	2	96
18-19	385	223	6	156
20-29	7,002	5,024	45	1,933
30 & Over	8,688	7,562	53	1,073
Armstrong				
All Ages	672	617	9	46
Under 15	0	0	0	0
15-17	10	5	2	3
18-19	26	22	0	4
20-29	389	355	4	30
30 & Over	247	235	3	9
Beaver				
All Ages	1,811	1,557	11	243
Under 15	0	0	0	0
15-17	15	10	0	5
18-19	57	44	0	13
20-29	909	754	5	150
30 & Over	830	749	6	75
Bedford				
All Ages	472	455	7	10
Under 15	0	0	0	0
15-17	4	4	0	0
18-19	15	14	0	1
20-29	291	280	3	8
30 & Over	162	157	4	1
Berks				
All Ages	5,528	4,700	34	794
Under 15	7	3	0	4
15-17	107	86	1	20
18-19	245	195	1	49
20-29	2,868	2,384	15	469
30 & Over	2,301	2,032	17	252
Blair				
All Ages	1,284	1,201	6	77
Under 15	2	2	0	0
15-17	20	18	0	2
18-19	55	48	0	7
20-29	733	690	2	41
30 & Over	474	443	4	27
Bradford				
All Ages	641	624	9	8
Under 15	0	0	0	0
15-17	7	6	0	1
18-19	46	43	2	1
20-29	395	385	6	4
30 & Over	193	190	1	2
Bucks				
All Ages	6,558	5,602	22	934
Under 15	2	0	0	2
15-17	37	18	1	18
18-19	117	61	2	54
20-29	2,352	1,871	5	476
30 & Over	4,048	3,650	14	384
Butler				
All Ages	1,801	1,618	14	169
Under 15	0	0	0	0
15-17	8	6	0	2
18-19	39	26	0	13
20-29	765	658	8	99
30 & Over	987	926	6	55
Cambria				
All Ages	1,382	1,227	16	139
Under 15	4	3	0	1
15-17	23	19	1	3
18-19	62	51	2	9
20-29	769	681	8	80
30 & Over	524	473	5	46
Cameron				
All Ages	34	25	1	8
Under 15	0	0	0	0
15-17	0	0	0	0
18-19	1	0	0	1
20-29	24	17	1	6
30 & Over	9	8	0	1
Carbon				
All Ages	607	525	5	77
Under 15	0	0	0	0
15-17	10	8	0	2
18-19	23	21	0	2
20-29	323	276	2	45
30 & Over	251	220	3	28
Centre				
All Ages	1,192	1,084	3	105
Under 15	0	0	0	0
15-17	3	3	0	0
18-19	21	15	0	6
20-29	543	480	0	63
30 & Over	625	586	3	36
Chester				
All Ages	6,171	5,322	40	809
Under 15	2	1	0	1
15-17	40	26	1	13
18-19	98	58	0	40
20-29	2,181	1,723	14	444
30 & Over	3,848	3,512	25	311
Clarion				
All Ages	422	395	0	27
Under 15	2	2	0	0
15-17	2	2	0	0
18-19	16	14	0	2
20-29	244	227	0	17
30 & Over	158	150	0	8
Clearfield				
All Ages	776	724	8	44
Under 15	2	1	0	1
15-17	7	6	0	1
18-19	28	24	1	3
20-29	444	415	3	26
30 & Over	295	278	4	13

(Continued)

Table E-5

Reported Pregnancies by Outcome, Woman's Age Group and County of Residence, Pennsylvania, 2019

County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions
Clinton				
All Ages	434	405	3	26
Under 15	0	0	0	0
15-17	4	3	0	1
18-19	16	15	0	1
20-29	277	258	1	18
30 & Over	137	129	2	6
Columbia				
All Ages	636	567	5	64
Under 15	0	0	0	0
15-17	4	3	0	1
18-19	19	16	1	2
20-29	346	309	3	34
30 & Over	267	239	1	27
Crawford				
All Ages	951	893	10	48
Under 15	0	0	0	0
15-17	14	10	0	4
18-19	48	46	1	1
20-29	540	503	4	33
30 & Over	349	334	5	10
Cumberland				
All Ages	2,886	2,595	34	257
Under 15	2	1	1	0
15-17	19	12	0	7
18-19	81	66	0	15
20-29	1,304	1,150	16	138
30 & Over	1,480	1,366	17	97
Dauphin				
All Ages	3,908	3,271	35	602
Under 15	2	0	0	2
15-17	60	48	1	11
18-19	150	116	0	34
20-29	2,067	1,708	19	340
30 & Over	1,629	1,399	15	215
Delaware				
All Ages	8,231	6,342	50	1,839
Under 15	3	0	0	3
15-17	88	46	1	41
18-19	247	137	2	108
20-29	3,267	2,256	16	995
30 & Over	4,624	3,901	31	692
Elk				
All Ages	317	296	6	15
Under 15	0	0	0	0
15-17	2	2	0	0
18-19	10	8	1	1
20-29	185	174	2	9
30 & Over	120	112	3	5
Erie				
All Ages	3,020	2,781	24	215
Under 15	0	0	0	0
15-17	47	42	0	5
18-19	157	142	2	13
20-29	1,611	1,458	14	139
30 & Over	1,205	1,139	8	58
Fayette				
All Ages	1,392	1,214	16	162
Under 15	2	0	0	2
15-17	29	23	0	6
18-19	69	52	0	17
20-29	817	718	11	88
30 & Over	474	420	5	49
Forest				
All Ages	40	35	1	4
Under 15	0	0	0	0
15-17	1	1	0	0
18-19	1	1	0	0
20-29	22	18	0	4
30 & Over	16	15	1	0
Franklin				
All Ages	1,767	1,730	16	21
Under 15	0	0	0	0
15-17	25	24	0	1
18-19	65	63	1	1
20-29	1,019	1,001	2	16
30 & Over	658	642	13	3
Fulton				
All Ages	146	143	1	2
Under 15	0	0	0	0
15-17	2	2	0	0
18-19	11	11	0	0
20-29	85	83	0	2
30 & Over	48	47	1	0
Greene				
All Ages	375	324	2	49
Under 15	1	1	0	0
15-17	7	5	0	2
18-19	10	8	0	2
20-29	240	210	0	30
30 & Over	117	100	2	15
Huntingdon				
All Ages	399	371	2	26
Under 15	0	0	0	0
15-17	7	5	0	2
18-19	20	18	0	2
20-29	229	218	2	9
30 & Over	143	130	0	13
Indiana				
All Ages	874	798	9	67
Under 15	1	1	0	0
15-17	7	6	0	1
18-19	31	26	0	5
20-29	500	452	5	43
30 & Over	335	313	4	18
Jefferson				
All Ages	505	478	3	24
Under 15	0	0	0	0
15-17	2	1	0	1
18-19	24	24	0	0
20-29	313	296	2	15
30 & Over	166	157	1	8
Juniata				
All Ages	271	263	2	6
Under 15	0	0	0	0
15-17	3	3	0	0
18-19	10	9	0	1
20-29	151	146	1	4
30 & Over	107	105	1	1
Lackawanna				
All Ages	2,353	2,054	15	284
Under 15	5	3	0	2
15-17	32	28	0	4
18-19	75	64	2	9
20-29	1,116	940	6	170
30 & Over	1,125	1,019	7	99

(Continued)

Table E-5

Reported Pregnancies by Outcome, Woman's Age Group and County of Residence, Pennsylvania, 2019

County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions
Lancaster				
All Ages	7,498	6,894	69	535
Under 15	3	3	0	0
15-17	64	54	2	8
18-19	200	158	2	40
20-29	3,901	3,567	24	310
30 & Over	3,329	3,111	41	177
Lawrence				
All Ages	929	823	11	95
Under 15	0	0	0	0
15-17	16	12	0	4
18-19	37	31	0	6
20-29	514	450	8	56
30 & Over	362	330	3	29
Lebanon				
All Ages	1,747	1,603	15	129
Under 15	2	2	0	0
15-17	22	22	0	0
18-19	73	62	2	9
20-29	982	900	4	78
30 & Over	668	617	9	42
Lehigh				
All Ages	5,161	4,293	26	842
Under 15	8	4	0	4
15-17	81	64	1	16
18-19	214	159	1	54
20-29	2,524	2,038	16	470
30 & Over	2,334	2,028	8	298
Luzerne				
All Ages	3,863	3,255	42	566
Under 15	2	0	0	2
15-17	65	52	1	12
18-19	193	148	2	43
20-29	2,043	1,697	23	323
30 & Over	1,560	1,358	16	186
Lycoming				
All Ages	1,278	1,188	9	81
Under 15	1	1	0	0
15-17	15	14	0	1
18-19	44	35	0	9
20-29	732	681	2	49
30 & Over	486	457	7	22
McKean				
All Ages	375	368	2	5
Under 15	1	1	0	0
15-17	3	3	0	0
18-19	23	22	1	0
20-29	230	224	1	5
30 & Over	118	118	0	0
Mercer				
All Ages	1,127	1,015	9	103
Under 15	0	0	0	0
15-17	11	11	0	0
18-19	37	31	0	6
20-29	642	582	0	60
30 & Over	437	391	9	37
Mifflin				
All Ages	573	546	3	24
Under 15	0	0	0	0
15-17	4	2	0	2
18-19	25	23	0	2
20-29	345	332	2	11
30 & Over	199	189	1	9
Monroe				
All Ages	1,806	1,474	12	320
Under 15	3	1	0	2
15-17	16	12	0	4
18-19	56	36	0	20
20-29	955	758	8	189
30 & Over	776	667	4	105
Montgomery				
All Ages	10,166	8,448	66	1,652
Under 15	5	2	0	3
15-17	65	31	1	33
18-19	203	118	1	84
20-29	3,422	2,543	19	860
30 & Over	6,471	5,754	45	672
Montour				
All Ages	251	242	1	8
Under 15	0	0	0	0
15-17	1	1	0	0
18-19	4	3	0	1
20-29	99	96	0	3
30 & Over	147	142	1	4
Northampton				
All Ages	3,385	2,762	22	601
Under 15	0	0	0	0
15-17	39	17	0	22
18-19	104	71	0	33
20-29	1,550	1,216	10	324
30 & Over	1,692	1,458	12	222
Northumberland				
All Ages	1,010	922	11	77
Under 15	1	1	0	0
15-17	18	15	0	3
18-19	47	43	1	3
20-29	563	506	8	49
30 & Over	381	357	2	22
Perry				
All Ages	586	544	4	38
Under 15	0	0	0	0
15-17	3	3	0	0
18-19	22	18	0	4
20-29	310	284	3	23
30 & Over	251	239	1	11
Philadelphia				
All Ages	32,240	20,510	209	11,521
Under 15	45	17	0	28
15-17	561	307	5	249
18-19	1,442	782	4	656
20-29	16,494	9,537	107	6,850
30 & Over	13,698	9,867	93	3,738
Pike				
All Ages	436	399	5	32
Under 15	0	0	0	0
15-17	2	1	0	1
18-19	16	12	0	4
20-29	205	184	2	19
30 & Over	213	202	3	8
Potter				
All Ages	168	164	1	3
Under 15	0	0	0	0
15-17	2	2	0	0
18-19	11	11	0	0
20-29	111	107	1	3
30 & Over	44	44	0	0

(Continued)

Table E-5

Reported Pregnancies by Outcome, Woman's Age Group and County of Residence, Pennsylvania, 2019

County/ Age of Woman*	Reported Pregnancies	Live Births	Fetal Deaths	Induced Abortions
Schuylkill				
All Ages	1,509	1,333	10	166
Under 15	2	2	0	0
15-17	30	27	0	3
18-19	54	42	1	11
20-29	841	732	6	103
30 & Over	582	530	3	49
Snyder				
All Ages	426	399	5	22
Under 15	0	0	0	0
15-17	3	2	0	1
18-19	13	10	0	3
20-29	249	238	4	7
30 & Over	161	149	1	11
Somerset				
All Ages	665	623	4	38
Under 15	0	0	0	0
15-17	3	2	0	1
18-19	23	21	0	2
20-29	359	340	2	17
30 & Over	280	260	2	18
Sullivan				
All Ages	55	54	0	1
Under 15	0	0	0	0
15-17	0	0	0	0
18-19	1	1	0	0
20-29	30	30	0	0
30 & Over	24	23	0	1
Susquehanna				
All Ages	372	359	1	12
Under 15	0	0	0	0
15-17	0	0	0	0
18-19	13	13	0	0
20-29	228	221	0	7
30 & Over	131	125	1	5
Tioga				
All Ages	433	401	2	30
Under 15	0	0	0	0
15-17	10	8	1	1
18-19	20	17	0	3
20-29	238	220	0	18
30 & Over	165	156	1	8
Union				
All Ages	412	387	1	24
Under 15	0	0	0	0
15-17	4	3	0	1
18-19	13	10	0	3
20-29	209	191	1	17
30 & Over	186	183	0	3
Venango				
All Ages	470	430	5	35
Under 15	0	0	0	0
15-17	4	4	0	0
18-19	20	18	0	2
20-29	278	250	4	24
30 & Over	168	158	1	9
Warren				
All Ages	399	381	5	13
Under 15	1	0	0	1
15-17	4	3	0	1
18-19	10	8	1	1
20-29	263	254	3	6
30 & Over	121	116	1	4
Washington				
All Ages	2,235	1,972	16	247
Under 15	2	2	0	0
15-17	19	13	1	5
18-19	67	50	1	16
20-29	1,061	926	9	126
30 & Over	1,086	981	5	100
Wayne				
All Ages	427	391	4	32
Under 15	0	0	0	0
15-17	5	2	0	3
18-19	13	13	0	0
20-29	202	179	1	22
30 & Over	207	197	3	7
Westmoreland				
All Ages	3,424	3,008	22	394
Under 15	1	1	0	0
15-17	33	24	1	8
18-19	82	63	0	19
20-29	1,676	1,435	8	233
30 & Over	1,632	1,485	13	134
Wyoming				
All Ages	261	240	4	17
Under 15	0	0	0	0
15-17	0	0	0	0
18-19	10	8	0	2
20-29	151	139	1	11
30 & Over	99	92	3	4
York				
All Ages	5,393	4,741	39	613
Under 15	1	0	0	1
15-17	65	48	1	16
18-19	210	170	2	38
20-29	2,820	2,460	20	340
30 & Over	2,294	2,060	16	218

* 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, 2015-2019

County/ Age of Woman*	Reported Pregnancies 2015-2019	Live Births	Fetal Deaths	Induced Abortions
Pennsylvania**				
All Ages	808,373	687,778	6,111	114,484
Under 15	603	308	8	287
15-17	10,727	7,801	108	2,818
18-19	29,467	22,416	225	6,826
20-29	399,398	328,710	2,802	67,886
30 & Over	368,067	328,436	2,964	36,667
Adams				
All Ages	5,161	4,887	51	223
Under 15	1	1	0	0
15-17	56	52	0	4
18-19	212	191	1	20
20-29	2,822	2,654	24	144
30 & Over	2,069	1,988	26	55
Allegheny				
All Ages	78,535	65,268	537	12,730
Under 15	60	23	1	36
15-17	909	536	14	359
18-19	2,093	1,367	23	703
20-29	34,774	26,965	235	7,574
30 & Over	40,692	36,370	264	4,058
Armstrong				
All Ages	3,239	3,003	39	197
Under 15	5	3	0	2
15-17	53	43	2	8
18-19	136	124	1	11
20-29	1,866	1,735	17	114
30 & Over	1,179	1,098	19	62
Beaver				
All Ages	9,084	8,082	76	926
Under 15	2	1	0	1
15-17	103	74	1	28
18-19	314	259	2	53
20-29	4,729	4,129	39	561
30 & Over	3,934	3,617	34	283
Bedford				
All Ages	2,435	2,338	22	75
Under 15	1	1	0	0
15-17	30	28	0	2
18-19	103	93	2	8
20-29	1,462	1,411	11	40
30 & Over	839	805	9	25
Berks				
All Ages	27,108	23,582	184	3,342
Under 15	27	12	0	15
15-17	523	417	6	100
18-19	1,281	1,054	7	220
20-29	14,649	12,564	78	2,007
30 & Over	10,621	9,528	93	1,000
Blair				
All Ages	6,616	6,208	47	361
Under 15	7	6	0	1
15-17	100	91	0	9
18-19	309	282	1	26
20-29	3,783	3,563	23	197
30 & Over	2,415	2,264	23	128
Bradford				
All Ages	3,405	3,343	34	28
Under 15	4	4	0	0
15-17	48	46	0	2
18-19	194	188	5	1
20-29	2,123	2,087	18	18
30 & Over	1,035	1,017	11	7

County/ Age of Woman*	Reported Pregnancies 2015-2019	Live Births	Fetal Deaths	Induced Abortions
Bucks				
All Ages	32,912	28,850	174	3,888
Under 15	10	4	0	6
15-17	197	104	3	90
18-19	629	398	5	226
20-29	12,328	10,255	48	2,025
30 & Over	19,744	18,085	118	1,541
Butler				
All Ages	9,497	8,805	67	625
Under 15	4	1	0	3
15-17	73	60	0	13
18-19	240	199	4	37
20-29	4,150	3,752	25	373
30 & Over	5,028	4,791	38	199
Cambria				
All Ages	6,931	6,372	60	499
Under 15	11	8	0	3
15-17	110	98	2	10
18-19	332	276	2	54
20-29	3,953	3,616	33	304
30 & Over	2,525	2,374	23	128
Cameron				
All Ages	211	188	1	22
Under 15	0	0	0	0
15-17	1	1	0	0
18-19	17	14	0	3
20-29	128	115	1	12
30 & Over	65	58	0	7
Carbon				
All Ages	3,241	2,851	32	358
Under 15	2	1	0	1
15-17	47	34	1	12
18-19	138	115	1	22
20-29	1,791	1,589	17	185
30 & Over	1,263	1,112	13	138
Centre				
All Ages	6,471	5,915	47	509
Under 15	0	0	0	0
15-17	31	27	1	3
18-19	110	81	0	29
20-29	3,015	2,650	17	348
30 & Over	3,315	3,157	29	129
Chester				
All Ages	30,283	26,853	168	3,262
Under 15	6	3	0	3
15-17	182	124	4	54
18-19	599	397	6	196
20-29	11,019	9,118	58	1,843
30 & Over	18,471	17,205	100	1,166
Clarion				
All Ages	2,088	1,977	7	104
Under 15	2	2	0	0
15-17	16	14	0	2
18-19	85	73	0	12
20-29	1,248	1,183	3	62
30 & Over	737	705	4	28
Clearfield				
All Ages	3,902	3,670	33	199
Under 15	5	2	1	2
15-17	46	40	0	6
18-19	189	174	2	13
20-29	2,301	2,174	16	111
30 & Over	1,361	1,280	14	67

(Continued)

Table E-6

Reported Pregnancies by Outcome, Woman's Age Group and County of Residence, Pennsylvania, Five-Year Summary, 2015-2019

County/ Age of Woman*	Reported Pregnancies 2015-2019	Live Births	Fetal Deaths	Induced Abortions
Clinton				
All Ages	2,171	2,044	22	105
Under 15	0	0	0	0
15-17	17	13	0	4
18-19	115	107	1	7
20-29	1,332	1,253	11	68
30 & Over	707	671	10	26
Columbia				
All Ages	3,061	2,767	25	269
Under 15	0	0	0	0
15-17	26	21	0	5
18-19	129	111	2	16
20-29	1,701	1,508	14	179
30 & Over	1,202	1,124	9	69
Crawford				
All Ages	4,883	4,641	49	193
Under 15	4	4	0	0
15-17	71	62	2	7
18-19	231	215	2	14
20-29	2,890	2,750	24	116
30 & Over	1,687	1,610	21	56
Cumberland				
All Ages	14,303	13,106	119	1,078
Under 15	3	2	1	0
15-17	94	72	0	22
18-19	372	311	1	60
20-29	6,755	6,117	50	588
30 & Over	7,079	6,604	67	408
Dauphin				
All Ages	19,466	16,903	193	2,370
Under 15	11	7	1	3
15-17	272	225	4	43
18-19	796	648	7	141
20-29	10,328	8,812	100	1,416
30 & Over	8,054	7,207	80	767
Delaware				
All Ages	40,342	32,528	304	7,510
Under 15	25	12	0	13
15-17	464	285	3	176
18-19	1,160	744	9	407
20-29	16,742	12,277	130	4,335
30 & Over	21,948	19,207	162	2,579
Elk				
All Ages	1,521	1,425	22	74
Under 15	2	1	0	1
15-17	20	19	1	0
18-19	64	59	1	4
20-29	884	824	12	48
30 & Over	551	522	8	21
Erie				
All Ages	15,653	14,746	154	753
Under 15	9	8	0	1
15-17	271	250	2	19
18-19	739	688	11	40
20-29	8,562	8,012	77	473
30 & Over	6,069	5,785	64	220
Fayette				
All Ages	7,326	6,574	48	704
Under 15	9	6	0	3
15-17	158	134	0	24
18-19	415	355	0	60
20-29	4,363	3,916	32	415
30 & Over	2,380	2,162	16	202

County/ Age of Woman*	Reported Pregnancies 2015-2019	Live Births	Fetal Deaths	Induced Abortions
Forest				
All Ages	156	136	1	19
Under 15	0	0	0	0
15-17	5	5	0	0
18-19	3	3	0	0
20-29	91	76	0	15
30 & Over	57	52	1	4
Franklin				
All Ages	9,103	8,929	74	100
Under 15	2	2	0	0
15-17	119	115	0	4
18-19	373	365	3	5
20-29	5,152	5,056	30	66
30 & Over	3,455	3,389	41	25
Fulton				
All Ages	729	706	6	17
Under 15	0	0	0	0
15-17	8	7	0	1
18-19	44	43	0	1
20-29	431	421	2	8
30 & Over	246	235	4	7
Greene				
All Ages	2,002	1,828	12	162
Under 15	3	2	0	1
15-17	22	17	0	5
18-19	97	85	1	11
20-29	1,275	1,178	7	90
30 & Over	605	546	4	55
Huntingdon				
All Ages	2,107	1,949	21	137
Under 15	2	2	0	0
15-17	26	20	1	5
18-19	105	94	1	10
20-29	1,280	1,187	12	81
30 & Over	694	646	7	41
Indiana				
All Ages	4,322	3,986	37	299
Under 15	3	3	0	0
15-17	45	38	0	7
18-19	173	133	1	39
20-29	2,501	2,311	17	173
30 & Over	1,599	1,500	19	80
Jefferson				
All Ages	2,514	2,386	21	107
Under 15	2	2	0	0
15-17	21	18	0	3
18-19	117	109	2	6
20-29	1,551	1,473	13	65
30 & Over	820	781	6	33
Juniata				
All Ages	1,453	1,390	16	47
Under 15	1	0	0	1
15-17	18	17	0	1
18-19	44	39	0	5
20-29	822	787	11	24
30 & Over	568	547	5	16
Lackawanna				
All Ages	11,882	10,587	96	1,199
Under 15	10	5	0	5
15-17	163	145	3	15
18-19	490	420	4	66
20-29	5,825	5,082	44	699
30 & Over	5,390	4,931	45	414

(Continued)

Table E-6

Reported Pregnancies by Outcome, Woman's Age Group and County of Residence, Pennsylvania, Five-Year Summary, 2015-2019

County/ Age of Woman*	Reported Pregnancies 2015-2019	Live Births	Fetal Deaths	Induced Abortions
Lancaster				
All Ages	37,690	35,296	325	2,069
Under 15	15	12	0	3
15-17	378	332	4	42
18-19	996	843	8	145
20-29	20,023	18,661	139	1,223
30 & Over	16,274	15,444	174	656
Lawrence				
All Ages	4,922	4,445	46	431
Under 15	4	1	0	3
15-17	84	69	1	14
18-19	224	200	0	24
20-29	2,796	2,506	30	260
30 & Over	1,814	1,669	15	130
Lebanon				
All Ages	8,527	7,946	74	507
Under 15	6	5	1	0
15-17	113	104	2	7
18-19	363	320	3	40
20-29	4,772	4,437	33	302
30 & Over	3,268	3,075	35	158
Lehigh				
All Ages	24,875	21,361	177	3,337
Under 15	21	13	0	8
15-17	413	329	3	81
18-19	1,104	857	11	236
20-29	12,431	10,447	79	1,905
30 & Over	10,902	9,711	84	1,107
Luzerne				
All Ages	18,452	16,231	160	2,061
Under 15	21	8	2	11
15-17	351	296	5	50
18-19	885	745	3	137
20-29	9,909	8,635	88	1,186
30 & Over	7,282	6,544	61	677
Lycoming				
All Ages	6,444	5,988	56	400
Under 15	4	3	0	1
15-17	68	62	1	5
18-19	275	246	2	27
20-29	3,646	3,376	27	243
30 & Over	2,449	2,299	26	124
McKean				
All Ages	1,942	1,906	15	21
Under 15	4	3	0	1
15-17	31	31	0	0
18-19	116	114	2	0
20-29	1,248	1,223	10	15
30 & Over	542	534	3	5
Mercer				
All Ages	5,918	5,476	53	389
Under 15	7	3	0	4
15-17	88	79	0	9
18-19	245	226	1	18
20-29	3,384	3,126	26	232
30 & Over	2,194	2,042	26	126
Mifflin				
All Ages	3,033	2,902	25	106
Under 15	2	2	0	0
15-17	31	27	0	4
18-19	130	123	3	4
20-29	1,872	1,791	13	68
30 & Over	998	959	9	30

County/ Age of Woman*	Reported Pregnancies 2015-2019	Live Births	Fetal Deaths	Induced Abortions
Monroe				
All Ages	8,792	7,406	70	1,316
Under 15	5	2	0	3
15-17	92	62	0	30
18-19	337	242	1	94
20-29	4,645	3,798	33	814
30 & Over	3,713	3,302	36	375
Montgomery				
All Ages	50,125	43,275	314	6,536
Under 15	13	7	0	6
15-17	334	189	4	141
18-19	991	604	9	378
20-29	17,552	13,899	108	3,545
30 & Over	31,231	28,573	192	2,466
Montour				
All Ages	1,140	1,083	7	50
Under 15	0	0	0	0
15-17	5	5	0	0
18-19	21	20	0	1
20-29	543	510	2	31
30 & Over	571	548	5	18
Northampton				
All Ages	16,427	14,044	105	2,278
Under 15	9	4	0	5
15-17	200	128	1	71
18-19	563	400	3	160
20-29	7,646	6,341	41	1,264
30 & Over	8,008	7,170	60	778
Northumberland				
All Ages	4,981	4,636	48	297
Under 15	2	2	0	0
15-17	77	64	1	12
18-19	242	219	4	19
20-29	2,892	2,682	29	181
30 & Over	1,768	1,669	14	85
Perry				
All Ages	2,849	2,635	23	191
Under 15	1	1	0	0
15-17	30	27	0	3
18-19	111	100	1	10
20-29	1,569	1,431	17	121
30 & Over	1,138	1,076	5	57
Philadelphia				
All Ages	152,645	105,973	1,156	45,516
Under 15	208	78	1	129
15-17	3,051	1,892	26	1,133
18-19	7,147	4,531	36	2,580
20-29	80,404	51,969	547	27,888
30 & Over	61,820	47,489	545	13,786
Pike				
All Ages	2,209	2,038	11	160
Under 15	1	1	0	0
15-17	13	12	0	1
18-19	79	68	0	11
20-29	1,088	991	3	94
30 & Over	1,028	966	8	54
Potter				
All Ages	910	860	6	44
Under 15	0	0	0	0
15-17	19	19	0	0
18-19	47	45	0	2
20-29	607	567	4	36
30 & Over	237	229	2	6

(Continued)

Table E-6

Reported Pregnancies by Outcome, Woman's Age Group and County of Residence, Pennsylvania, Five-Year Summary, 2015-2019

County/ Age of Woman*	Reported Pregnancies 2015-2019	Live Births	Fetal Deaths	Induced Abortions
Schuylkill				
All Ages	7,325	6,624	64	637
Under 15	8	7	0	1
15-17	125	110	3	12
18-19	323	272	3	48
20-29	4,072	3,659	36	377
30 & Over	2,797	2,576	22	199
Snyder				
All Ages	2,284	2,187	29	68
Under 15	0	0	0	0
15-17	23	21	0	2
18-19	79	69	2	8
20-29	1,321	1,269	17	35
30 & Over	860	827	10	23
Somerset				
All Ages	3,645	3,415	29	201
Under 15	3	2	0	1
15-17	43	34	1	8
18-19	150	140	1	9
20-29	2,043	1,921	12	110
30 & Over	1,404	1,316	15	73
Sullivan				
All Ages	244	233	0	11
Under 15	0	0	0	0
15-17	2	1	0	1
18-19	14	12	0	2
20-29	142	136	0	6
30 & Over	86	84	0	2
Susquehanna				
All Ages	1,906	1,857	8	41
Under 15	0	0	0	0
15-17	16	16	0	0
18-19	91	89	0	2
20-29	1,118	1,088	5	25
30 & Over	681	664	3	14
Tioga				
All Ages	2,131	2,070	10	51
Under 15	2	2	0	0
15-17	35	33	1	1
18-19	107	102	0	5
20-29	1,290	1,256	3	31
30 & Over	697	677	6	14
Union				
All Ages	2,114	2,004	13	97
Under 15	0	0	0	0
15-17	21	18	0	3
18-19	77	68	1	8
20-29	1,071	1,007	5	59
30 & Over	945	911	7	27

County/ Age of Woman*	Reported Pregnancies 2015-2019	Live Births	Fetal Deaths	Induced Abortions
Venango				
All Ages	2,607	2,447	22	138
Under 15	1	1	0	0
15-17	50	45	0	5
18-19	145	133	2	10
20-29	1,538	1,438	14	86
30 & Over	873	830	6	37
Warren				
All Ages	2,081	2,011	19	51
Under 15	2	1	0	1
15-17	23	22	0	1
18-19	98	91	3	4
20-29	1,267	1,230	7	30
30 & Over	689	665	9	15
Washington				
All Ages	10,991	9,892	87	1,012
Under 15	6	5	0	1
15-17	107	75	1	31
18-19	364	289	2	73
20-29	5,381	4,771	43	567
30 & Over	5,133	4,752	41	340
Wayne				
All Ages	2,172	2,008	14	150
Under 15	2	2	0	0
15-17	20	12	0	8
18-19	80	72	0	8
20-29	1,084	990	5	89
30 & Over	985	931	9	45
Westmoreland				
All Ages	16,824	15,106	132	1,586
Under 15	6	5	0	1
15-17	150	112	1	37
18-19	511	414	4	93
20-29	8,414	7,391	62	961
30 & Over	7,742	7,183	65	494
Wyoming				
All Ages	1,373	1,285	17	71
Under 15	1	0	0	1
15-17	13	13	0	0
18-19	60	53	0	7
20-29	775	721	10	44
30 & Over	523	497	7	19
York				
All Ages	26,682	24,315	197	2,170
Under 15	16	10	0	6
15-17	376	310	3	63
18-19	1,044	895	12	137
20-29	14,229	12,843	105	1,281
30 & Over	11,011	10,251	77	683

* 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, 2019

County	Total	Age of Woman (In Years)					
		10-14	15-19	15-17	18-19	20-29	30 & Over
Pennsylvania	68.9	0.3	19.3	9.0	32.9	97.2	49.4
Adams	57.1	ND	12.3	ND	25.6	91.5	35.8
Allegheny	68.7	0.4	16.7	9.6	26.0	84.4	56.4
Armstrong	66.6	ND	21.8	9.3	44.8	120.8	34.3
Beaver	66.3	ND	16.9	5.6	35.8	101.1	44.0
Bedford	64.3	ND	14.8	ND	35.2	121.4	30.9
Berks	70.5	ND	24.2	12.7	40.1	108.9	45.4
Blair	61.3	ND	21.2	9.5	38.5	107.7	33.2
Bradford	67.1	ND	32.4	ND	79.7	123.6	29.8
Bucks	60.8	ND	8.4	3.2	17.5	68.5	53.4
Butler	55.5	ND	7.8	ND	14.9	76.8	44.0
Cambria	64.9	ND	21.2	10.7	33.4	107.2	37.6
Cameron	58.4	ND	ND	ND	ND	120.0	ND
Carbon	59.6	ND	19.5	8.9	40.1	101.1	34.0
Centre	32.3	ND	3.1	ND	3.7	32.6	38.1
Chester	63.8	ND	7.5	3.7	13.0	71.7	58.9
Clarion	57.3	ND	11.7	ND	19.3	85.9	38.2
Clearfield	65.4	ND	18.3	ND	40.2	113.1	34.8
Clinton	56.8	ND	12.8	ND	17.0	86.3	34.2
Columbia	48.5	ND	8.3	ND	10.0	65.1	38.6
Crawford	64.6	ND	22.2	9.1	38.4	108.3	36.0
Cumberland	61.2	ND	12.0	4.5	19.6	84.3	47.6
Dauphin	73.9	ND	26.2	12.2	48.2	112.7	46.4
Delaware	73.9	ND	17.7	8.1	30.6	87.5	63.9
Elk	71.3	ND	14.9	ND	36.5	125.7	38.6
Erie	60.6	ND	22.5	10.0	36.2	94.3	38.0
Fayette	66.4	ND	28.9	13.7	54.5	115.6	32.4
Forest	79.8	ND	ND	ND	ND	138.4	42.1
Franklin	65.5	ND	19.8	8.7	39.0	116.5	35.3
Fulton	62.2	ND	31.5	ND	72.4	113.0	28.9
Greene	63.0	ND	15.1	ND	19.5	118.6	29.7
Huntingdon	56.5	ND	18.8	ND	28.7	96.0	32.1
Indiana	53.9	ND	10.7	ND	13.1	74.9	40.6
Jefferson	71.5	ND	20.5	ND	48.7	135.9	34.9
Juniata	66.4	ND	17.2	ND	36.4	113.4	39.0
Lackawanna	62.2	ND	16.5	8.6	26.8	88.5	44.8
Lancaster	73.5	ND	14.9	6.1	27.6	111.9	51.2
Lawrence	65.9	ND	21.2	11.0	35.4	109.1	38.2
Lebanon	69.7	ND	22.0	8.5	41.8	118.7	40.0
Lehigh	72.5	ND	24.3	11.3	43.3	105.2	50.2
Luzerne	69.8	ND	27.6	11.7	50.6	108.4	42.0
Lycoming	62.3	ND	17.3	7.6	30.6	104.7	35.8
McKean	56.9	ND	20.8	ND	44.4	103.3	26.9
Mercer	62.1	ND	14.2	5.7	25.6	101.6	37.3
Mifflin	77.8	ND	23.2	ND	61.3	138.6	39.3
Monroe	58.3	ND	11.6	4.6	20.3	89.7	39.2
Montgomery	66.5	ND	10.6	4.3	20.2	71.7	60.8
Montour	81.1	ND	ND	ND	ND	100.5	66.8
Northampton	60.9	ND	14.1	6.9	23.0	84.5	46.1
Northumberland	69.5	ND	28.5	12.9	53.1	118.4	37.3
Perry	76.2	ND	21.4	ND	54.3	125.5	45.3
Philadelphia	88.1	1.0	42.1	22.6	63.3	120.4	60.2
Pike	52.6	ND	11.6	ND	27.8	76.1	36.4
Potter	68.3	ND	29.1	ND	71.9	140.5	26.3
Schuylkill	68.1	ND	22.8	12.3	43.4	118.2	36.9
Snyder	57.0	ND	9.7	ND	14.6	97.0	36.2
Somerset	63.0	ND	14.3	ND	37.4	107.9	36.6
Sullivan	71.4	ND	ND	ND	ND	122.4	41.2
Susquehanna	63.3	ND	13.0	ND	37.0	121.5	31.3
Tioga	63.2	ND	23.1	15.9	29.9	103.9	37.0
Union	52.9	ND	9.0	ND	11.4	78.7	42.9
Venango	60.9	ND	18.3	ND	36.8	116.6	30.4
Warren	68.1	ND	14.2	ND	25.0	138.1	29.0
Washington	63.8	ND	14.3	5.4	26.9	93.4	45.2
Wayne	60.3	ND	14.8	ND	28.8	88.8	41.6
Westmoreland	62.2	ND	12.6	5.9	22.7	92.4	42.1
Wyoming	60.2	ND	13.1	ND	31.3	105.0	33.1
York	66.7	ND	20.4	7.9	39.9	108.0	41.0

* Rates per 1,000 female population for each specified age group and county, 2019. 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 2019 number of reported pregnancies.

Table E-8

Average Annual Reported Pregnancy Rates* by Woman's Age Group and County of Residence, Pennsylvania, 2015-2019

County	Total	Age of Woman (In Years)					
		10-14	15-19	15-17	18-19	20-29	30 & Over
Pennsylvania	67.7	0.3	20.1	9.4	34.1	96.1	47.0
Adams	58.8	ND	15.7	5.7	29.2	93.8	35.7
Allegheny	66.3	0.4	17.0	9.0	27.6	80.7	53.5
Armstrong	62.4	ND	22.4	9.8	45.1	113.1	31.3
Beaver	65.7	ND	19.3	7.9	36.8	102.6	40.9
Bedford	64.8	ND	19.8	6.7	46.0	123.3	31.0
Berks	69.5	0.4	24.8	12.4	42.1	110.6	41.9
Blair	62.3	ND	22.8	9.7	40.8	106.6	33.5
Bradford	69.9	ND	28.6	8.7	65.1	131.5	31.0
Bucks	61.0	0.1	8.8	3.3	18.7	71.6	51.4
Butler	58.3	ND	10.1	4.1	18.2	81.1	44.5
Cambria	63.0	0.6	21.3	9.8	34.6	106.3	35.0
Cameron	67.4	ND	29.8	ND	66.1	121.1	30.6
Carbon	63.8	ND	22.2	8.6	48.1	112.0	33.7
Centre	34.7	ND	3.6	2.9	3.9	34.3	41.3
Chester	63.4	ND	8.6	3.3	16.4	72.9	56.5
Clarion	55.4	ND	13.3	4.9	19.6	82.0	35.3
Clearfield	64.1	ND	23.8	7.4	52.3	114.3	31.0
Clinton	55.8	ND	16.7	5.5	24.1	82.6	34.4
Columbia	45.5	ND	10.7	5.6	13.1	61.7	34.2
Crawford	64.7	ND	20.8	8.5	37.1	113.1	33.9
Cumberland	61.3	ND	11.1	4.4	18.0	86.2	46.3
Dauphin	74.5	0.3	26.9	11.3	51.2	113.3	46.1
Delaware	73.0	0.3	16.9	8.5	28.2	88.5	61.1
Elk	66.9	ND	19.9	7.1	45.4	124.3	33.0
Erie	61.0	ND	21.4	10.9	33.2	93.8	37.8
Fayette	68.1	ND	32.7	14.8	60.5	122.0	31.2
Forest	58.0	ND	ND	ND	ND	108.5	25.7
Franklin	67.0	ND	21.2	8.1	44.2	116.6	36.9
Fulton	61.7	ND	24.6	ND	52.9	116.1	29.1
Greene	64.8	ND	21.0	7.0	38.4	120.6	29.5
Huntingdon	58.9	ND	18.1	6.9	30.3	106.0	30.3
Indiana	52.1	ND	12.1	7.3	14.6	73.5	37.3
Jefferson	70.1	ND	22.0	5.5	47.0	131.5	33.5
Juniata	71.0	ND	16.3	7.8	29.8	125.3	40.7
Lackawanna	62.1	0.3	19.6	8.6	34.2	87.6	43.0
Lancaster	74.3	0.2	15.4	7.1	27.5	112.7	50.8
Lawrence	68.4	ND	23.9	11.1	42.3	116.3	37.2
Lebanon	69.0	ND	22.1	8.7	42.2	117.2	39.5
Lehigh	70.7	0.4	25.3	11.6	45.2	104.1	47.1
Luzerne	66.6	0.5	26.2	12.9	44.7	103.3	39.1
Lycoming	62.3	ND	20.1	6.9	38.0	101.0	35.8
McKean	56.9	ND	22.6	8.5	40.9	108.5	24.0
Mercer	63.2	ND	18.8	8.6	32.4	104.5	36.0
Mifflin	80.8	ND	24.6	7.1	59.3	151.5	37.9
Monroe	57.1	ND	13.5	5.1	24.6	86.9	37.6
Montgomery	66.2	0.1	10.5	4.3	20.0	73.3	58.7
Montour	72.4	ND	11.5	ND	25.2	104.3	51.6
Northampton	59.6	ND	15.2	7.2	25.0	82.9	43.7
Northumberland	67.3	ND	27.7	10.8	54.7	118.8	33.8
Perry	73.4	ND	23.1	7.6	52.1	123.7	40.8
Philadelphia	83.7	0.9	41.9	24.1	61.3	112.7	55.9
Pike	52.3	ND	11.0	2.4	26.1	81.1	33.9
Potter	72.9	ND	28.6	12.4	60.6	150.1	27.5
Schuylkill	65.3	ND	24.5	10.4	51.3	113.5	34.3
Snyder	60.4	ND	12.6	6.3	17.9	99.2	37.8
Somerset	66.5	ND	20.4	6.9	46.4	117.9	35.7
Sullivan	61.0	ND	30.8	ND	62.2	104.5	29.8
Susquehanna	63.0	ND	19.7	4.5	48.9	116.1	31.5
Tioga	60.2	ND	20.7	10.5	30.3	105.1	31.0
Union	54.5	ND	10.6	5.8	13.8	79.1	43.3
Venango	64.7	ND	28.0	11.8	53.0	121.8	30.5
Warren	68.9	ND	23.1	7.2	47.3	131.5	31.9
Washington	62.4	ND	15.4	6.0	28.3	92.6	42.2
Wayne	60.7	ND	15.4	4.8	34.3	94.0	38.8
Westmoreland	60.1	ND	13.9	5.3	26.8	91.6	38.7
Wyoming	60.7	ND	18.1	5.5	35.9	102.5	33.7
York	66.2	0.2	21.0	9.2	39.0	108.8	39.1

* Rates per 1,000 female population for each specified age group and county, 2015-2019. 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 2015-2019 number of reported pregnancies.

Table E-9

Reported Pregnancies by Outcome and County of Residence

Number and Percent*: Pennsylvania, 2019

County	Reported Pregnancies	Live Births		Fetal Deaths		Induced Abortions	
		Number	Percent	Number	Percent	Number	Percent
Pennsylvania	164,212	134,247	81.8	1,169	0.7	28,796	17.5
Adams	1,000	937	93.7	9	ND	54	5.4
Allegheny	16,276	12,905	79.3	106	0.7	3,265	20.1
Armstrong	672	617	91.8	9	ND	46	6.8
Beaver	1,811	1,557	86.0	11	0.6	243	13.4
Bedford	472	455	96.4	7	ND	10	2.1
Berks	5,528	4,700	85.0	34	0.6	794	14.4
Blair	1,284	1,201	93.5	6	ND	77	6.0
Bradford	641	624	97.3	9	ND	8	ND
Bucks	6,558	5,602	85.4	22	0.3	934	14.2
Butler	1,801	1,618	89.8	14	0.8	169	9.4
Cambria	1,382	1,227	88.8	16	1.2	139	10.1
Cameron	34	25	73.5	1	ND	8	ND
Carbon	607	525	86.5	5	ND	77	12.7
Centre	1,192	1,084	90.9	3	ND	105	8.8
Chester	6,171	5,322	86.2	40	0.6	809	13.1
Clarion	422	395	93.6	0	ND	27	6.4
Clearfield	776	724	93.3	8	ND	44	5.7
Clinton	434	405	93.3	3	ND	26	6.0
Columbia	636	567	89.2	5	ND	64	10.1
Crawford	951	893	93.9	10	1.1	48	5.0
Cumberland	2,886	2,595	89.9	34	1.2	257	8.9
Dauphin	3,908	3,271	83.7	35	0.9	602	15.4
Delaware	8,231	6,342	77.1	50	0.6	1,839	22.3
Elk	317	296	93.4	6	ND	15	4.7
Erie	3,020	2,781	92.1	24	0.8	215	7.1
Fayette	1,392	1,214	87.2	16	1.1	162	11.6
Forest	40	35	87.5	1	ND	4	ND
Franklin	1,767	1,730	97.9	16	0.9	21	1.2
Fulton	146	143	97.9	1	ND	2	ND
Greene	375	324	86.4	2	ND	49	13.1
Huntingdon	399	371	93.0	2	ND	26	6.5
Indiana	874	798	91.3	9	ND	67	7.7
Jefferson	505	478	94.7	3	ND	24	4.8
Juniata	271	263	97.0	2	ND	6	ND
Lackawanna	2,353	2,054	87.3	15	0.6	284	12.1
Lancaster	7,498	6,894	91.9	69	0.9	535	7.1
Lawrence	929	823	88.6	11	1.2	95	10.2
Lebanon	1,747	1,603	91.8	15	0.9	129	7.4
Lehigh	5,161	4,293	83.2	26	0.5	842	16.3
Luzerne	3,863	3,255	84.3	42	1.1	566	14.7
Lycoming	1,278	1,188	93.0	9	ND	81	6.3
McKean	375	368	98.1	2	ND	5	ND
Mercer	1,127	1,015	90.1	9	ND	103	9.1
Mifflin	573	546	95.3	3	ND	24	4.2
Monroe	1,806	1,474	81.6	12	0.7	320	17.7
Montgomery	10,166	8,448	83.1	66	0.6	1,652	16.3
Montour	251	242	96.4	1	ND	8	ND
Northampton	3,385	2,762	81.6	22	0.6	601	17.8
Northumberland	1,010	922	91.3	11	1.1	77	7.6
Perry	586	544	92.8	4	ND	38	6.5
Philadelphia	32,240	20,510	63.6	209	0.6	11,521	35.7
Pike	436	399	91.5	5	ND	32	7.3
Potter	168	164	97.6	1	ND	3	ND
Schuylkill	1,509	1,333	88.3	10	0.7	166	11.0
Snyder	426	399	93.7	5	ND	22	5.2
Somerset	665	623	93.7	4	ND	38	5.7
Sullivan	55	54	98.2	0	ND	1	ND
Susquehanna	372	359	96.5	1	ND	12	3.2
Tioga	433	401	92.6	2	ND	30	6.9
Union	412	387	93.9	1	ND	24	5.8
Venango	470	430	91.5	5	ND	35	7.4
Warren	399	381	95.5	5	ND	13	3.3
Washington	2,235	1,972	88.2	16	0.7	247	11.1
Wayne	427	391	91.6	4	ND	32	7.5
Westmoreland	3,424	3,008	87.9	22	0.6	394	11.5
Wyoming	261	240	92.0	4	ND	17	6.5
York	5,393	4,741	87.9	39	0.7	613	11.4

* 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).

TECHNICAL NOTES

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 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 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.

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 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 2010 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.

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:

$$\frac{Total\ Live\ Births}{Total\ Population} \times 1{,}000$$

AGE-SPECIFIC BIRTH RATE:

$$\frac{Live\ Births\ to\ Mothers\ of\ Specified\ Ages}{Female\ Pop.of\ Same\ Specified\ Ages} \times 1{,}000$$

GENERAL FERTILITY RATE:

$$\frac{Total\ Live\ Births}{Female\ Population\ Aged\ 15\ to\ 44\ Years} \times 1{,}000$$

FETAL MORTALITY RATE:

$$\frac{Total\ Fetal\ Deaths}{(Total\ Live\ Births + Total\ Fetal\ Deaths)} \times 1{,}000$$

NEONATAL MORTALITY RATE*:

$$\frac{Infant\ Deaths\ Aged < 28\ Days}{Total\ Live\ Births} \times 1{,}000$$

POSTNEONATAL MORTALITY RATE*:

$$\frac{Infant\ Deaths\ Aged\ 28 - 364\ Days}{Total\ Live\ Births} \times 1{,}000$$

INFANT MORTALITY RATE*:

$$\frac{Total\ Infant\ Deaths}{Total\ Live\ Births} \times 1{,}000$$

CRUDE DEATH RATE:

$$\frac{Total\ Deaths}{Total\ Population} \times 1{,}000$$

AGE-SPECIFIC DEATH RATE:

$$\frac{Deaths\ for\ Specified\ Age\ Group}{Population\ of\ Same\ Specified\ Age\ Group} \times 1{,}000$$

RACE OR ETHNICITY SPECIFIC DEATH RATE:

$$\frac{Deaths\ for\ Specified\ Race\ or\ Ethnicity}{Population\ for\ Same\ Specified\ Group} \times 1{,}000$$

*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-ADJUSTED DEATH RATE (Direct Method):

$$\frac{Sum\ of\ (age\ specific\ death\ rates\ per\ 100{,}000\ for\ selected\ population \times standard\ population\ in\ corresponding\ age\ groups)}{Sum\ of\ standard\ population}$$

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:

$$\frac{Sum\ of\ (age\ specific\ death\ rates\ under\ age\ 75 \times standard\ population\ in\ corresponding\ age\ groups)}{Sum\ of\ Standard\ Population\ under\ 75} \times 100{,}000$$

CAUSE-SPECIFIC DEATH RATE:

$$\frac{Deaths\ Due\ to\ a\ Specified\ cause}{Total\ Population} \times 100{,}000$$

MATERNAL MORTALITY RATE:

$$\frac{Total\ Maternal\ Deaths}{Total\ Live\ Births} \times 100{,}000$$

TOTAL FERTILITY RATE:

$$(Sum\ of\ Age\ Specific\ Birth\ Rates\ Among\ Women\ for\ 5\ Year\ Age\ Groups\ Between\ 10\ and\ 49\ *) \times 5$$

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

*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.

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:

$$\frac{(Total\ Live\ Births + Fetal\ Deaths + Induced\ Abortions)}{Female\ Population\ Ages\ 15\ to\ 44} \times 1{,}000$$

AGE-SPECIFIC REPORTED PREGNANCY RATE:

$$\frac{(Live\ Births + Fetal\ Deaths + Induced\ Abortions)\ for\ Females\ of\ Specified\ Ages}{Female\ Population\ for\ Same\ Specified\ Ages} \times 1{,}000$$

AVERAGE ANNUAL RATE:

$$\frac{Total\ Number\ of\ Events\ for\ a\ Specified\ Multiple\ Year\ Period}{Total\ Population\ for\ Same\ Specified\ Multiple\ Year\ Period} \times 1{,}000$$

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:

$$\frac{RATE}{\sqrt{N}}$$

*Keyfitz N. Sampling Variance of Standardized Mortality Rates, Human Biology, 38: 309-317, 1966.

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 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 ± (1.96 x 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/Pages/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.