

DEATHS

LIST OF DATA TABLES AND ILLUSTRATIONS

DEATH DATA TABLES	PAGE
Table C-1 Resident Deaths, Live Births, Infant, Neonatal, and Maternal Deaths: Pennsylvania, 1950, 1955, 1960-2022.....	78
Table C-2 Rates for Deaths, Live Births, Infant, Neonatal, and Maternal Deaths: Pennsylvania and United States, 1950, 1955, 1960-2022.....	79
Table C-3 Resident Deaths by Age Group, Number and Rate: Pennsylvania, 2022, 2020, 2010, 2000, 1990, 1980	81
Table C-4A Resident Deaths by Age and Sex, Number and Rate: Pennsylvania, 2022	82
Table C-4B Resident Deaths by Age and Sex - White Race, Number and Rate: Pennsylvania, 2022	83
Table C-4C Resident Deaths by Age and Sex - Black Race, Number and Rate: Pennsylvania, 2022	83
Table C-4D Resident Deaths by Age and Sex - Asian/Pacific Islander Races, Number and Rate: Pennsylvania, 2022	84
Table C-4E Resident Deaths by Age and Sex – Multi-Race, Number and Rate: Pennsylvania, 2022	84
Table C-4F Resident Deaths by Age and Sex – Hispanic Origin, Number and Rate: Pennsylvania, 2022	85
Table C-5 Age-Adjusted Death Rates by Sex, Pennsylvania Residents, 1970, 1975-2022.....	86
Table C-6 Age-Adjusted Death Rates by Race and Hispanic Origin, Pennsylvania Residents, 1980, 1985-2022	87
Table C-7A Infant, Neonatal, and Postneonatal Deaths by Race and Hispanic Origin, Pennsylvania Residents, 1980, 1985, 1990, 1995-2022	88
Table C-7B Infant, Neonatal, and Postneonatal Mortality Rates by Race and Hispanic Origin, Pennsylvania Residents, 1980, 1985, 1990, 1995-2022	88
Table C-8 Leading Causes of Death, Pennsylvania Residents, 2022, 2020, 2010, 2000, 1990, 1980	90
Table C-9A Median Age at Death by Race and Hispanic Origin, Pennsylvania Residents, 1980, 1985, 1990, 1995-2022.....	92
Table C-9B Median Age at Death by Race, Hispanic Origin, and Sex, Pennsylvania Residents, 1980, 1985, 1990, 1995-2022	92
Table C-9C Median Age at Death for Selected Leading Causes by Race, Hispanic Origin, and Sex, Pennsylvania Residents, 2022.....	93
Table C-10 Age-Adjusted Death Rates for Selected Leading Causes by Race, Hispanic Origin, and Sex, Pennsylvania Residents, 2022.....	93
Table C-11A Selected Causes of Death by Age Group, Number and Rank: Pennsylvania Residents, 2022.....	94
Table C-11B Selected Causes of Death by Age Group - Males, Number and Rank: Pennsylvania Residents, 2022.....	95
Table C-11C Selected Causes of Death by Age Group - Females, Number and Rank: Pennsylvania Residents, 2022.....	96

LIST OF DATA TABLES AND ILLUSTRATIONS

DEATH DATA TABLES (CONTINUED)	PAGE
Table C-11D Selected Causes of Death by Age Group - White Race, Number and Rank: Pennsylvania Residents, 2022.....	97
Table C-11E Selected Causes of Death by Age Group - Black Race, Number and Rank: Pennsylvania Residents, 2022.....	98
Table C-11F Selected Causes of Death by Age Group - Hispanic Origin, Number and Rank: Pennsylvania Residents, 2022.....	99
Table C-12A Resident Death Rates for Selected Causes of Death by Age Group, Pennsylvania, 2022	100
Table C-12B Resident Death Rates for Selected Causes of Death by Age Group, Males, Pennsylvania, 2022.....	101
Table C-12C Resident Death Rates for Selected Causes of Death by Age Group, Females, Pennsylvania, 2022.....	102
Table C-12D Resident Death Rates for Selected Causes of Death by Age Group, White Race, Pennsylvania, 2022	103
Table C-12E Resident Death Rates for Selected Causes of Death by Age Group, Black Race, Pennsylvania, 2022.....	104
Table C-12F Resident Death Rates for Selected Causes of Death by Age Group, Hispanic Origin, Pennsylvania, 2022	105
Table C-13 Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals for Selected Causes of Death, Pennsylvania Residents, 2022 and Average Annual, 2018-2022, and Age-Adjusted Death Rates, United States, 2022	106
Table C-14 Resident Deaths by Cause, Number and Rate: Pennsylvania, 2022.....	107
Table C-15 Resident Infant Deaths by Cause and Age at Death, Number and Rate: Pennsylvania, 2022	116
Table C-16A Deaths Due to Diseases of Heart, Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals, Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022	121
Table C-16B Resident Diseases of Heart Deaths by Type and Sex, Number and Percent: Pennsylvania, 2022	122
Table C-16C Resident Diseases of Heart Deaths by Type and Race, Males, Number and Percent: Pennsylvania, 2022	123
Table C-16D Resident Diseases of Heart Deaths by Type and Race, Females, Number and Percent: Pennsylvania, 2022	123
Table C-17A Malignant Neoplasm Deaths, Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals: Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022	124
Table C-17B Resident Malignant Neoplasm Deaths by Site and Age, Males, Pennsylvania, 2022	125

LIST OF DATA TABLES AND ILLUSTRATIONS

DEATH DATA TABLES (CONTINUED)	PAGE
Table C-17C Resident Malignant Neoplasm Deaths by Site and Age, Females, Pennsylvania, 2022	126
Table C-17D Resident Malignant Neoplasm Deaths by Site and Race, Males, Number and Rate: Pennsylvania, 2022.....	127
Table C-17E Resident Malignant Neoplasm Deaths by Site and Race, Females, Number and Rate: Pennsylvania, 2022.....	128
Table C-18A Deaths Due to Accidents, Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals: Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022	129
Table C-18B Resident Deaths Due to Accidents by Type and Age, Pennsylvania, 2022	130
Table C-18C Resident Deaths Due to Accidents by Type and Sex, Number and Percent: Pennsylvania, 2022	130
Table C-19 Cerebrovascular Disease Deaths, Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals: Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022	132
Table C-20 Influenza and Pneumonia Deaths, Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals: Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022	133
Table C-21A Intentional Self-harm (Suicide) Deaths, Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals: Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022	134
Table C-21B Resident Intentional Self-harm (Suicide) Deaths by Age, Race, and Sex, Pennsylvania, 2022	135
Table C-22A Deaths Due to HIV Disease, Number and Rate: Pennsylvania and United States, 1987-2022	136
Table C-22B Resident Deaths Due to HIV Disease by Age, Race, Hispanic Origin, and Sex, Pennsylvania, 2022	137
Table C-23A Assault (Homicide) Deaths, Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals: Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022	138
Table C-23B Resident Assault (Homicide) Deaths by Age, Race, Hispanic Origin, and Sex, Pennsylvania, 2022	139
Table C-24 Resident Live Births, All Deaths, Infant Deaths, and Neonatal Deaths by County, Number and Rate: Pennsylvania, 2022.....	140
Table C-25 Resident Deaths, Infant Deaths, and Neonatal Deaths by County, Number and Average Annual Rate: Pennsylvania, 2018-2022.....	141
Table C-26 Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals by Sex and County, Pennsylvania Residents, 2022	144
Table C-27 Number of Deaths, Average Annual Age-Adjusted Death Rates and 95% Confidence Intervals by Sex and County, Pennsylvania Residents, 2018-2022.....	145

LIST OF DATA TABLES AND ILLUSTRATIONS

DEATH DATA TABLES (CONTINUED)	PAGE
Table C-28 Number of Deaths, Average Annual Age-Adjusted Premature Mortality Rates and 95% Confidence Intervals by Sex and County, Pennsylvania Residents <75 Years, 2018-2022	146
Table C-29 Average Annual Age-Adjusted Death Rates and 95% Confidence Intervals for Selected Causes of Death by County, Pennsylvania Residents, 2018-2022	147
Table C-30 Resident Deaths by Age Group and County, Pennsylvania, 2022.....	151
Table C-31 Resident Deaths by Race, Hispanic Origin, and County, Pennsylvania, 2022	153
Table C-32 Resident Deaths by Race, Hispanic Origin, and County, Pennsylvania, 2018-2022.....	155
Table C-33 Selected Causes of Death by County, Pennsylvania Residents, 2022	157
Table C-34 Selected Causes of Death by County, Number and Average Annual Rate: Pennsylvania Residents, 2018-2022.....	162
Table C-35 Resident Live Births, All Deaths, Infant, and Neonatal Deaths for Selected Municipalities, Number and Rate: Pennsylvania, 2022.....	163
Table C-36 Resident Deaths, Infant, and Neonatal Deaths for Selected Municipalities, Number and Average Annual Rate: Pennsylvania, 2018-2022.....	165
Table C-37 Resident Deaths by Age Group for Selected Municipalities, Pennsylvania, 2022.....	168
Table C-38 Resident Deaths by Race and Hispanic Origin for Selected Municipalities, Pennsylvania, 2022	169
Table C-39 Resident Infant Deaths by Race and Hispanic Origin for Selected Municipalities, Pennsylvania, 2022	170
Table C-40 Resident Infant Deaths by Race and Hispanic Origin for Selected Municipalities, Pennsylvania, 2018-2022	171
Table C-41 Selected Causes of Death for Selected Municipalities, Pennsylvania Residents, 2022	172
Table C-42 Selected Causes of Death for Selected Municipalities, Number and Average Annual Rate: Pennsylvania Residents, 2018-2022	177

DEATH DATA ILLUSTRATIONS	PAGE
Figure C-1 Crude Death Rates, Pennsylvania and United States, 1950-2022	80
Figure C-2 Infant and Neonatal Mortality Rates, Pennsylvania and United States, 1950-2022	80
Figure C-3 Resident Deaths, Percent by Age Group, Pennsylvania, 1980, 1990, 2000, 2010, 2020, and 2022	81
Figure C-4 Vital Events Summary Chart, Pennsylvania Residents, 2022.....	82
Figure C-5 Age-Adjusted Death Rates by Sex, Pennsylvania Residents, 1970-2022	86
Figure C-6 Age-Adjusted Death Rates by Race and Hispanic Origin, Pennsylvania Residents, 1980-2022.....	87

LIST OF DATA TABLES AND ILLUSTRATIONS

DEATH DATA ILLUSTRATIONS (CONTINUED)	PAGE
Figure C-7A Resident Infant, Neonatal and Postneonatal Mortality Rates, Pennsylvania 1980-2022	89
Figure C-7B Resident Infant Mortality Rates by Race and Hispanic Origin, Pennsylvania 1980-2022	89
Figure C-8 Resident Deaths, Percent by Five Leading Causes, Pennsylvania, 2022 and 1980	91
Figure C-9 Diseases of Heart Age-Adjusted Death Rates, Pennsylvania and United States, 1980-2022	121
Figure C-10 Resident Diseases of Heart Deaths, Percent by Type, Pennsylvania, 2022	122
Figure C-11 Malignant Neoplasm Age-Adjusted Death Rates, Pennsylvania and United States, 1980-2022	124
Figure C-12 Resident Malignant Neoplasm Deaths, Males, Percent by Site, Pennsylvania, 2022	125
Figure C-13 Resident Malignant Neoplasm Deaths, Females, Percent by Site, Pennsylvania, 2022	126
Figure C-14 Resident Malignant Neoplasm Death Rates by Site and Race, Males, Pennsylvania, 2022	127
Figure C-15 Resident Malignant Neoplasm Death Rates by Site and Race, Females, Pennsylvania, 2022	128
Figure C-16 Accident Age-Adjusted Death Rates, Pennsylvania and United States, 1980-2022	129
Figure C-17 Resident Deaths Due to Accidents, Percent by Age Group, Pennsylvania, 2022	131
Figure C-18 Resident Deaths Due to Accidents, Percent by Type, Pennsylvania, 2022	131
Figure C-19 Cerebrovascular Disease Age-Adjusted Death Rates, Pennsylvania and United States, 1980-2022	132
Figure C-20 Influenza and Pneumonia Age-Adjusted Death Rates, Pennsylvania and United States, 1980-2022	133
Figure C-21 Intentional Self-harm (Suicide) Age-Adjusted Death Rates, Pennsylvania and United States, 1980-2022	134
Figure C-22 Resident Intentional Self-harm (Suicide) Deaths, Percent by Age Group, Pennsylvania, 2022	135
Figure C-23 HIV Disease Death Rates, Pennsylvania and United States, 1987-2022	136
Figure C-24 Resident Deaths Due to HIV Disease, Percent by Age Group, Pennsylvania, 2022	137
Figure C-25 Assault (Homicide) Age-Adjusted Death Rates, Pennsylvania and United States, 1980-2022	138
Figure C-26 Resident Assault (Homicide) Deaths, Percent by Age Group, Pennsylvania, 2022	139
Figure C-27 State Map: Resident Crude Death Rates by County, Pennsylvania, 2022	142
Figure C-28 State Map: Resident Average Annual Age-Adjusted Death Rates by County, Pennsylvania, 2018-2022	142

LIST OF DATA TABLES AND ILLUSTRATIONS

DEATH DATA ILLUSTRATIONS (CONTINUED)	PAGE
Figure C-29 State Map: Resident Average Annual Infant Death Rates by County, Pennsylvania, 2018-2022	143
Figure C-30 State Map: Resident Average Annual Neonatal Death Rates by County, Pennsylvania, 2018-2022	143
Figure C-31 State Map: Average Annual Age-Adjusted Death Rates for Diseases of Heart by County, Pennsylvania Residents, 2018-2022	149
Figure C-32 State Map: Average Annual Age-Adjusted Death Rates for Malignant Neoplasms by County, Pennsylvania Residents, 2018-2022	149
Figure C-33 State Map: Average Annual Age-Adjusted Death Rates for Cerebrovascular Disease by County, Pennsylvania Residents, 2018-2022	150
Figure C-34 State Map: Average Annual Age-Adjusted Death Rates for Chronic Lower Respiratory Disease by County, Pennsylvania Residents, 2018-2022	150
Figure C-35 Resident Crude Death Rates for Selected Municipalities, Pennsylvania, 2022.....	164
Figure C-36 Resident Average Annual Crude Death Rates for Selected Municipalities, Pennsylvania, 2018-2022	166
Figure C-37 Resident Average Annual Infant Mortality Rates for Selected Municipalities, Pennsylvania, 2018-2022	167

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

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

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

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

* Total death and live birth rates per 1,000 population. Infant and neonatal mortality rates per 1,000 live births.
Maternal mortality rate per 100,000 live births. For more information on maternal deaths, please refer to the Technical Notes.
Notes: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).
See Technical Notes. NA=Data not available.

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

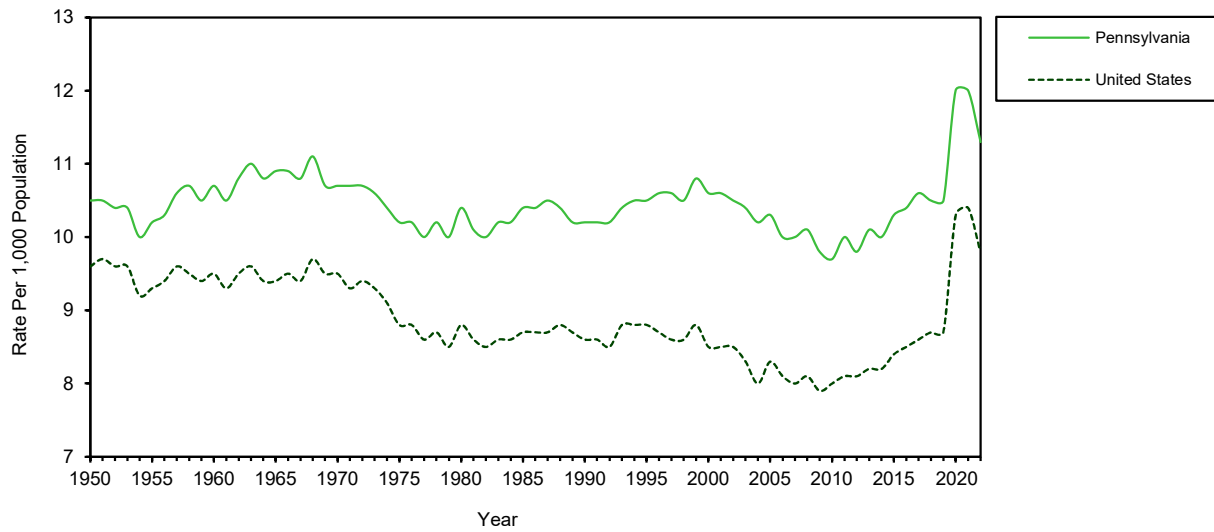


Figure C-2
Infant and Neonatal Mortality Rates
Pennsylvania and United States, 1950-2022

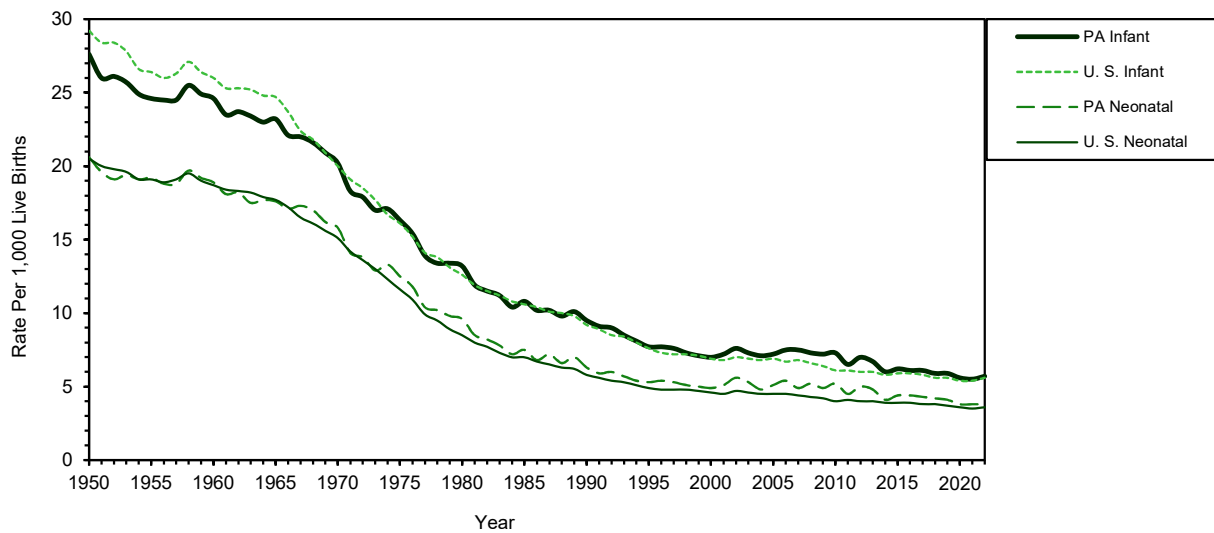


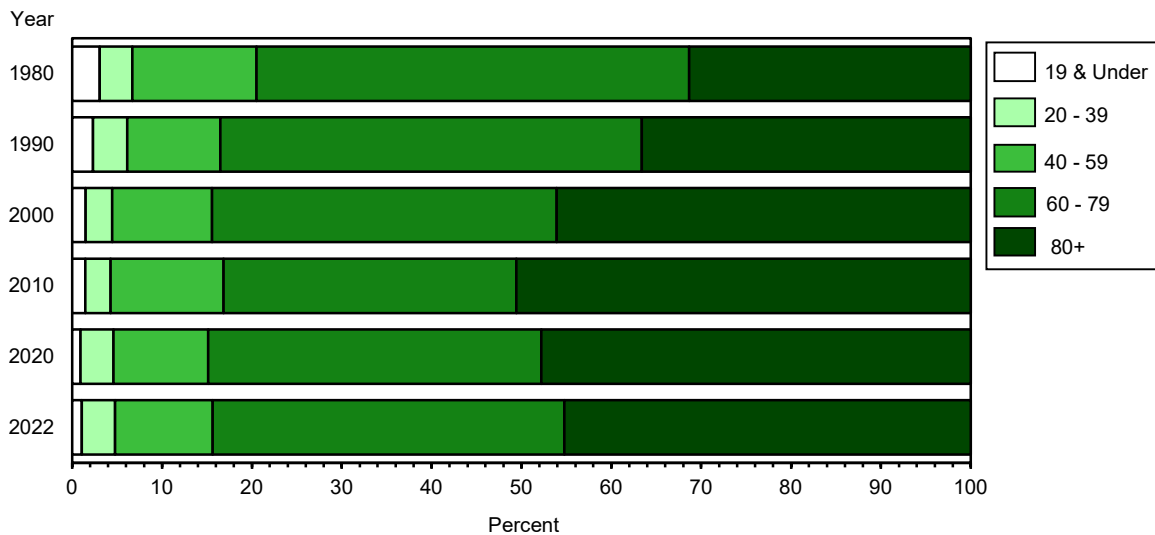
Table C-3
Resident Deaths by Age Group, Number and Rate*
Pennsylvania, 2022, 2020, 2010, 2000, 1990, 1980

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

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

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

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



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

Figure C-4
Vital Events Summary Chart

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

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

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

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

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

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

**Total includes any unknown sex.

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

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

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

** Total includes any unknown sex.

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

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

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

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

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

** Total includes any unknown sex.

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

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

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

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

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

** Total includes any unknown sex.

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

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

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

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

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

**Total includes any unknown sex.

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

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

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

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

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

** Total includes any unknown sex.

Notes: Hispanic origin can be of any race.

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

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

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

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

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

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

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

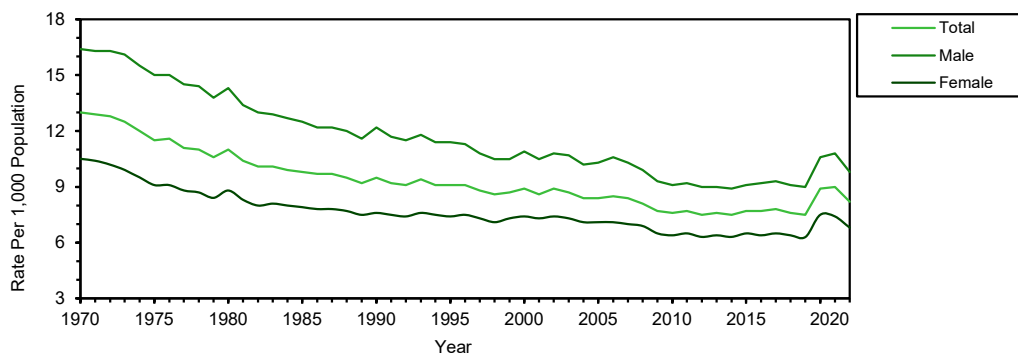


Table C-6
Age-Adjusted Death Rates* by Race[^] and Hispanic Origin
Pennsylvania Residents, 1980, 1985-2022

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

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

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

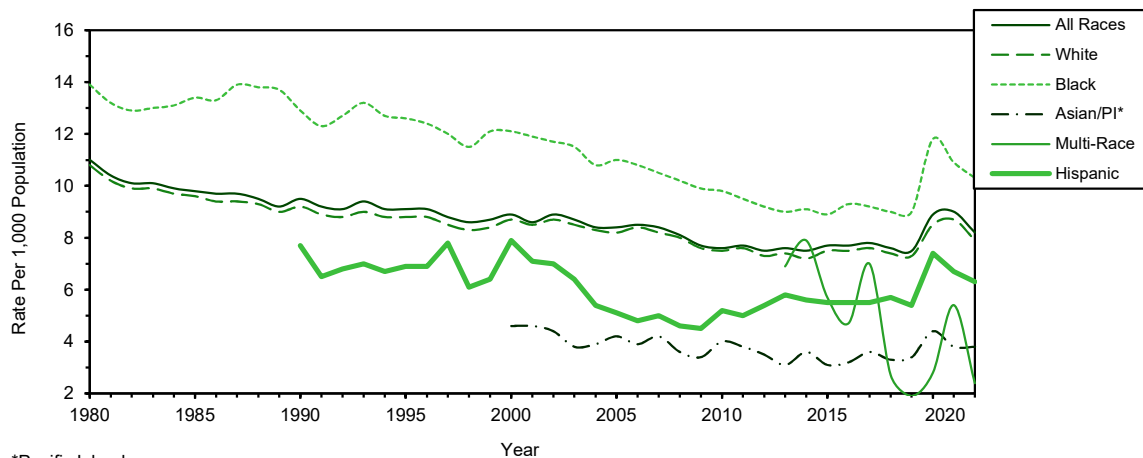
[^] Starting in 2013, the categorization of race data has changed. Please see Section J of the Technical Notes for further explanation.

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

Hispanic origin can be of any race.

NA=Data not available.

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



*Pacific Islander

Note: Hispanic origin can be of any race.

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

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

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

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

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

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

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

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

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

Notes: Hispanic origin can be of any race.

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

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

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

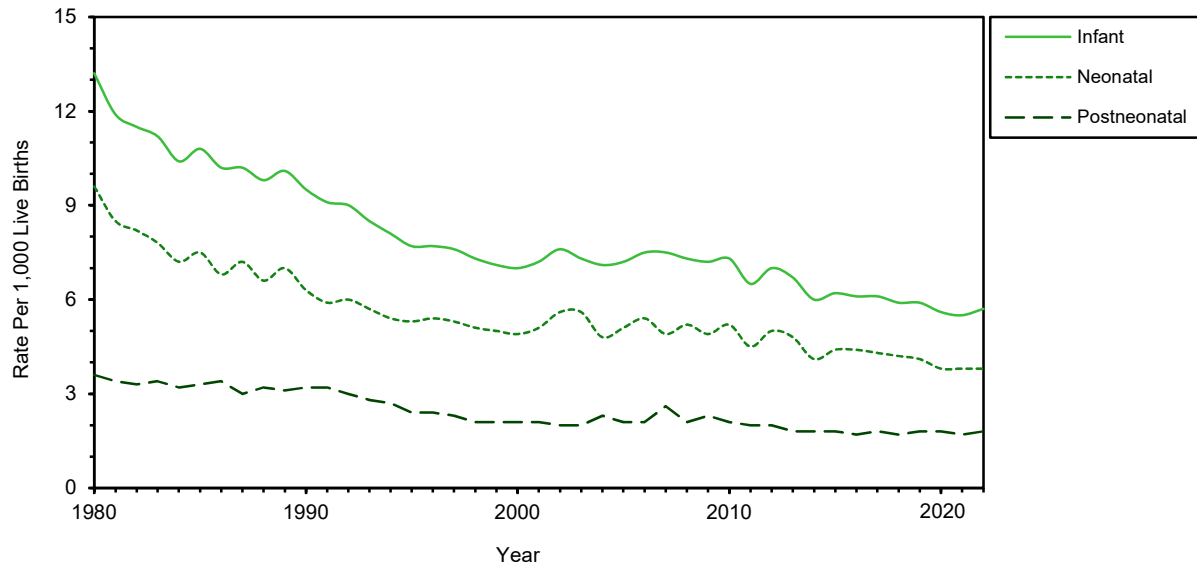
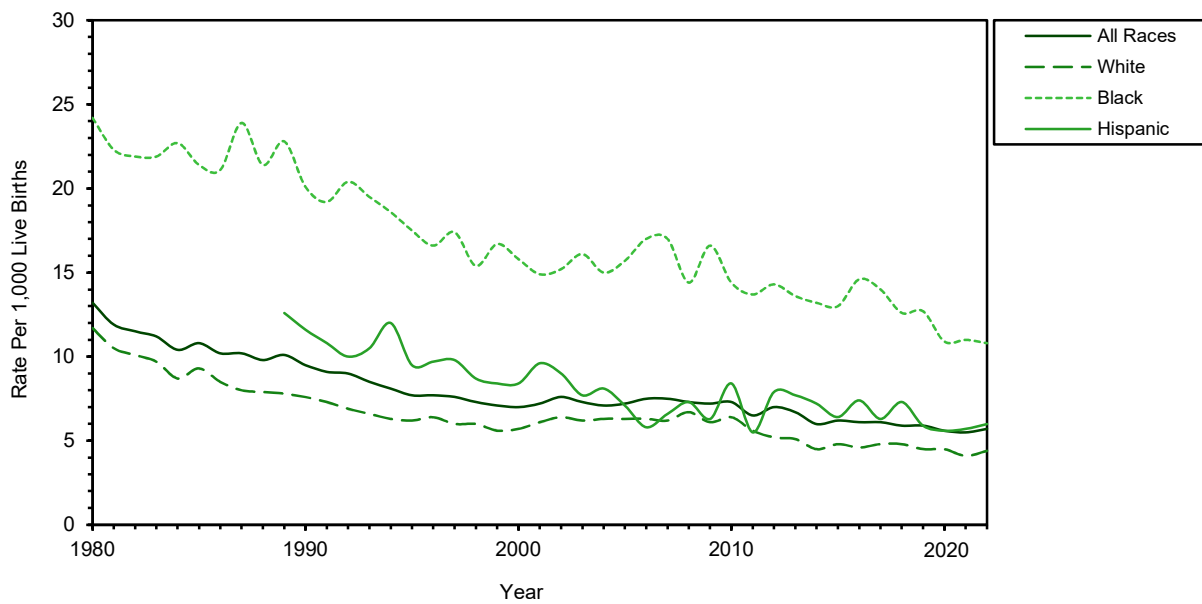


Figure C-7B
**Resident Infant Mortality Rates by Race and Hispanic Origin
Pennsylvania, 1980-2022**



Note: Hispanic origin can be of any race.

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

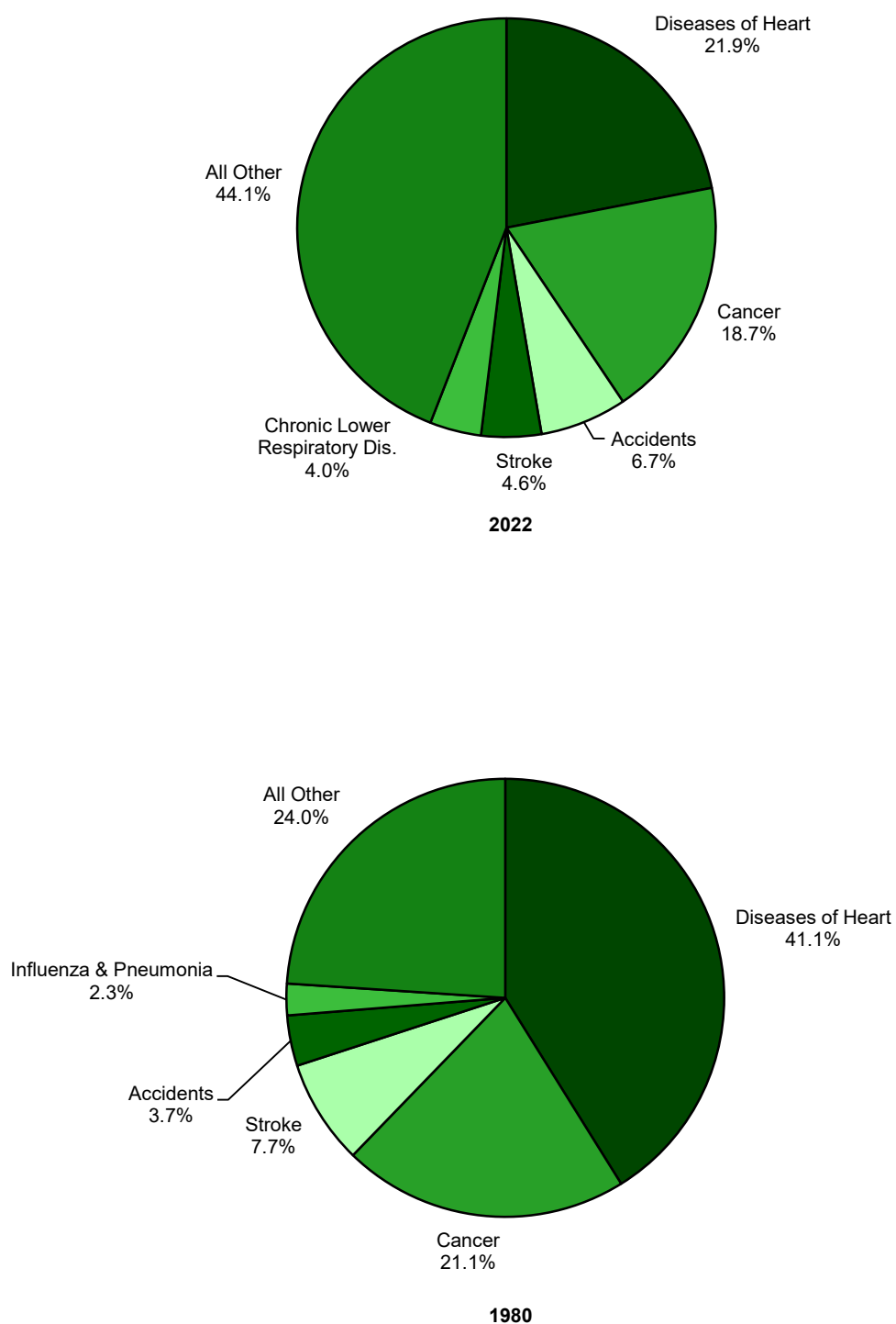
Table C-8
Selected Leading Causes of Death
Pennsylvania Residents, 2022, 2020, 2010, 2000, 1990, 1980

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

* 2000, 2010, 2020, and 2022 data based on the International Classification of Diseases, Tenth Revision.
1990 and 1980 data based on the International Classification of Diseases, Ninth Revision.
1970 data based on the International Classification of Diseases, Eighth Revision.

**Data not available or comparable.

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



Note: may not sum to 100 due to rounding.

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

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

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

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

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

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

Year	Median Age at Death										Hispanic Origin	
	All Races		White**		Black		Asian/ Pacific Islander		Multi-Race			
	Males*	Females	Males*	Females	Males*	Females	Males*	Females	Males*	Females	Males*	Females
2022	75.0	81.5	76.2	82.5	65.8	73.4	72.2	81.9	50.9	64.8	59.4	72.5
2021	74.3	81.1	75.5	82.2	65.4	72.7	75.2	78.3	61.5	65.6	61.4	69.7
2020	75.4	82.9	76.9	83.9	66.5	74.8	74.6	82.0	54.1	66.5	62.1	72.7
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 2002-2022. NA=Data not available. Hispanic origin can be of any race.

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

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

* Hypertensive Renal Disease

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

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

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

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

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

* Hypertensive Renal Disease

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

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

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

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

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

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

*Includes any unknown ages.

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

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

Cause of Death	All Ages*		Under 5 Years		5 - 24 Years		25 - 44 Years		45 - 64 Years		65 - 84 Years		85 Years & Over	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank
All Causes	74,902		491		987		4,684		14,760		35,844		18,135	
Diseases of Heart	16,969	1	7	6	15	5	375	4	3,091	1	8,253	2	5,228	1
Cancer (Malignant Neoplasms)	14,268	2	8	5	40	4	248	5	3,067	2	8,499	1	2,406	2
Accidents	6,340	3	49	3	332	1	2,068	1	2,041	3	1,264	6	586	6
Nontransport Accidents	5,350		38		190		1,744		1,762		1,054		562	
Motor Vehicle Accidents	914		11		136		302		248		194		23	
Other Transport Accidents	76		0		6		22		31		16		1	
Cerebrovascular Disease	2,836	4	3		5	10	34	8	369	7	1,489	4	936	3
Chronic Lower Respiratory Dis.	2,734	5	0		11	7	13		340	8	1,712	3	658	5
Alzheimer's Disease	1,162	10	0		0		0		13		487	10	662	4
Diabetes Mellitus	2,320	6	0		6	9	83	7	564	4	1,287	5	380	8
Nephritis, Nephrotic Syndrome, and Nephrosis	1,625	7	0		1		21		214	10	848	7	541	7
Influenza & Pneumonia	1,005		2		3		29	9	145		469		357	9
Septicemia	1,252	9	1		2		22		233	9	711	8	283	
Parkinson's Disease	1,024		0		0		1		26		653	9	344	10
Intentional Self-harm (Suicide)	1,543	8	0		172	3	492	2	519	6	294		66	
Chronic Liver Dis. and Cirrhosis	1,130		0		0		87	6	524	5	470		49	
Essential Hypertension and Hypertensive Renal Disease	618		0		0		11		135		307		165	
Assault (Homicide)	879		21	4	257	2	437	3	137		26		1	
In Situ, Benign, and Uncertain Neoplasms	391		4		1		11		44		203		128	
Nutritional Deficiencies	327		0		0		3		20		132		172	
Perinatal Conditions	211		210	1	1		0		0		0		0	
Congenital Malformations, Deformations & Chromosomal Abnormalities	197		65	2	15	5	28	10	52		31		6	
Anemias	149		1		0		6		14		74		54	
Disorders of Biliary Tract & Pancreas	138		0		1		13		34		65		25	
Multiple Sclerosis	76		0		0		3		29		40		4	
Cholelithiasis & Other Disorders of Gallbladder	100		0		0		0		8		55		37	
Atherosclerosis	74		0		0		0		8		35		31	
Phlebitis, Thrombophlebitis, Venous Embolism & Thrombosis	52		0		0		11		16		18		6	
Peptic Ulcer	69		0		0		2		12		40		15	
HIV Disease	102		0		1		28	10	46		27		0	
Epilepsy	71		1		8	8	15		12		28		7	
Hernia	49		0		0		1		10		21		17	
Pneumoconiosis	31		0		0		2		0		14		15	
All Other Causes	17,160		119		116		640		3,037		8,292		4,956	

*Includes any unknown ages.

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

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

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

*Includes any unknown ages.

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

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

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

*Includes any unknown ages.

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

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

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

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

*Includes any unknown ages.

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

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

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

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

*Includes any unknown ages.

Notes: Rankings are not shown for causes with less than 5 deaths.
Hispanic origin can be of any race.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Hispanic origin can be of any race.

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

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

* Hypertensive Renal Disease

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

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

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

2020 US National Death data currently not yet available.

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

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

* Rate per 100,000 population.

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

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

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

* Rate per 100,000 population.

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

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

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

* Rate per 100,000 population.

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

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

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

* Rate per 100,000 population.

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

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

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

* Rate per 100,000 population.

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

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

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

* Rate per 100,000 population.

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

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

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

* Rate per 100,000 population.

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

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

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

* Rate per 100,000 population.

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

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

* Rate per 100,000 population.

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

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

* Includes any unknown ages.

** Rate per 1,000 live births.

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

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

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

* Includes any unknown ages.

** Rate per 1,000 live births.

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

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

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

* Includes any unknown ages.

** Rate per 1,000 live births.

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

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

* Includes any unknown ages.

** Rate per 1,000 live births.

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

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

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

* Includes any unknown ages.

** Rate per 1,000 live births.

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

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

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

NA = Data not available

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

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

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

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

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

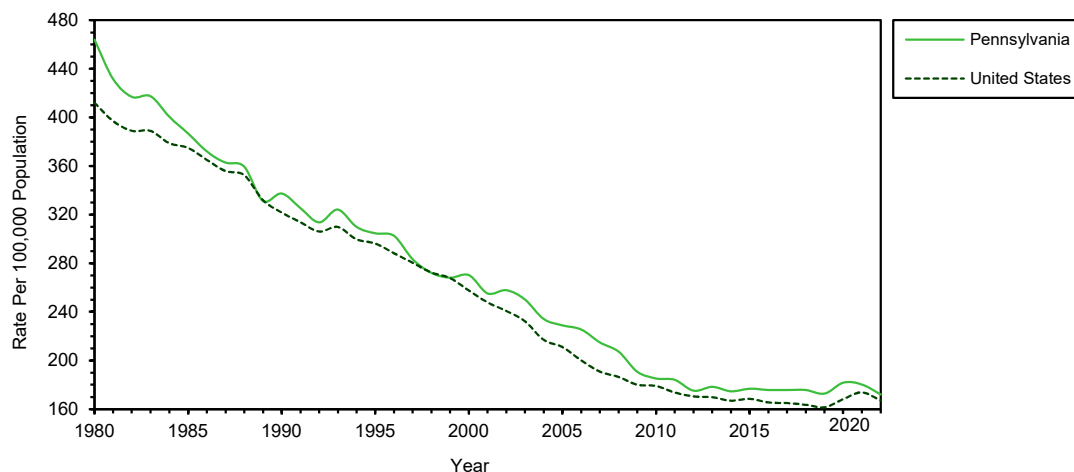


Table C-16B
Resident Diseases of Heart Deaths by Type and Sex
Number and Percent: Pennsylvania, 2022

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

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

Rheumatic Heart Disease = *I00-I09*

Hypertensive Heart Disease = *I11*

Hypertensive Heart and Renal Disease = *I13*

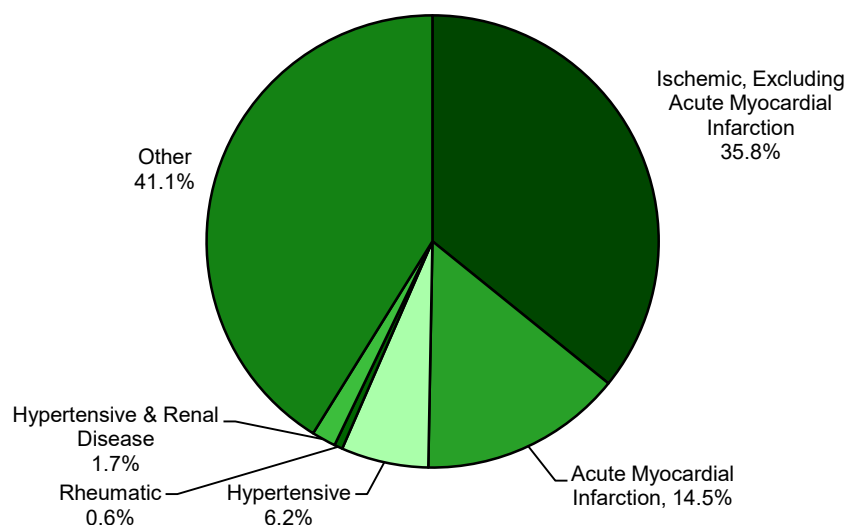
Acute Myocardial Infarction = *I21-I22*

Ischemic Excl. Myocardial Infarction = *I20, I24-I25*

Other Heart Disease = *I26-I51*

**Total includes any unknown sex.

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



Note: may not sum to 100 due to rounding.

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

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

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

Rheumatic Heart Disease = *I00-I09*

Hypertensive Heart Disease = *I11*

Hypertensive Heart and Renal Disease = *I13*

Acute Myocardial Infarction = *I21-I22*

Ischemic Excl. Myocardial Infarction = *I20,I24-I25*

Other Heart Disease = *I26-I51*

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

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

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

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

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

Rheumatic Heart Disease = *I00-I09*

Hypertensive Heart Disease = *I11*

Hypertensive Heart and Renal Disease = *I13*

Acute Myocardial Infarction = *I21-I22*

Ischemic Excl. Myocardial Infarction = *I20,I24-I25*

Other Heart Disease = *I26-I51*

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

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

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

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

NA = Data not available

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

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

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

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

Figure C-11

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

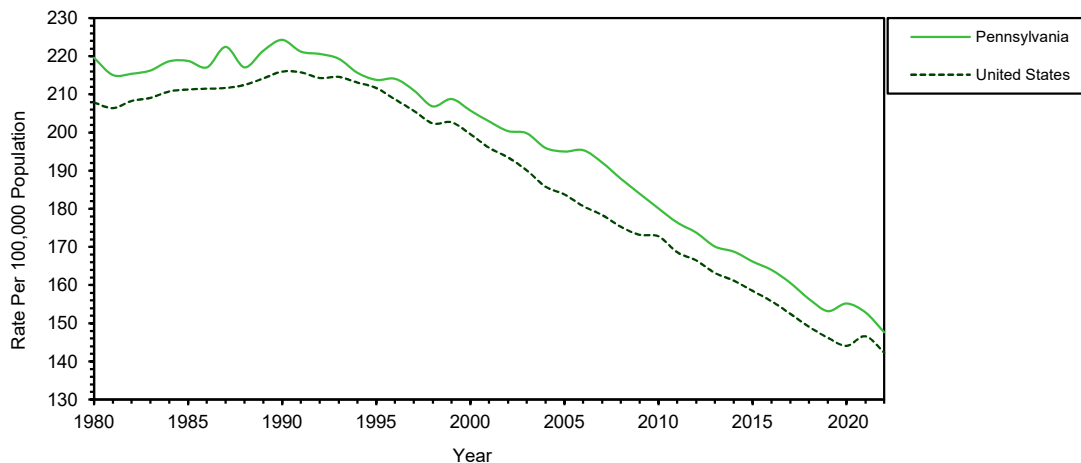


Table C-17B
Resident Cancer (Malignant Neoplasm) Deaths by Site and Age - Males
Pennsylvania, 2022

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

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

Lung and Bronchus = C34

Colon and Rectum = C18-C20, C26.0

Prostate = C61

Pancreas = C25

Leukemia = C90.1, C91-C95

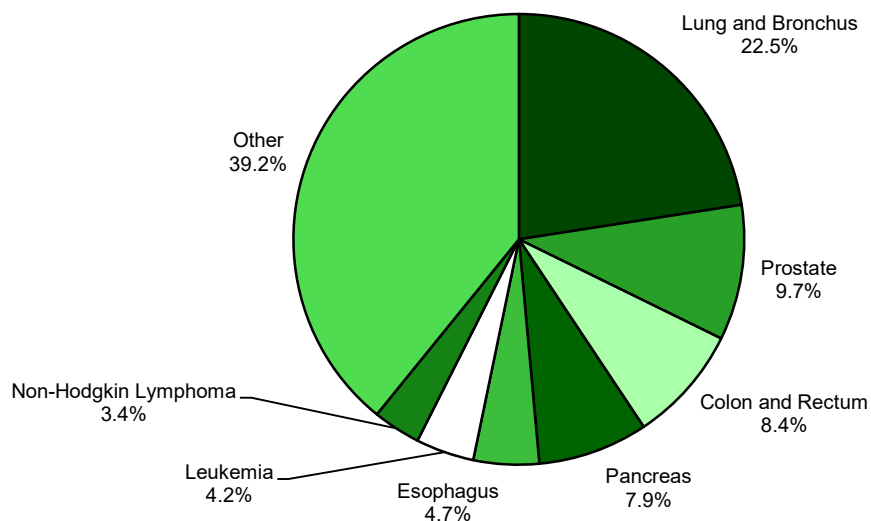
Esophagus = C15

Non-Hodgkin Lymphoma = C82-C85

**Includes any unknown ages.

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

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



Note: may not sum to 100 due to rounding.

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

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

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

Lung and Bronchus = C34

Breast = C50

Colon and Rectum = C18-C20, C26.0

Pancreas = C25

Ovary = C56

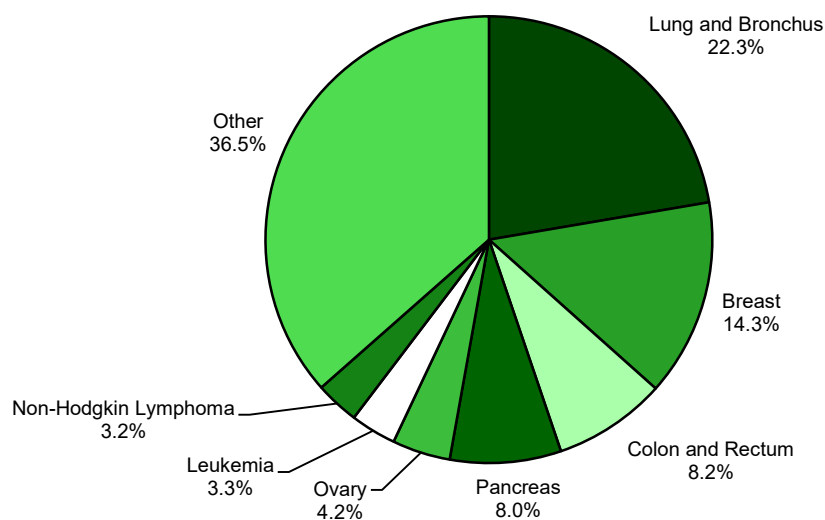
Non-Hodgkin Lymphoma = C82-C85

Leukemia = C90.1, C91-C95

**Includes any unknown ages.

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

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



Note: may not sum to 100 due to rounding.

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

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

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

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

Lung and Bronchus = C34

Colon and Rectum = C18-C20, C26.0

Prostate = C61

Pancreas = C25

Leukemia = C90.1, C91-C95

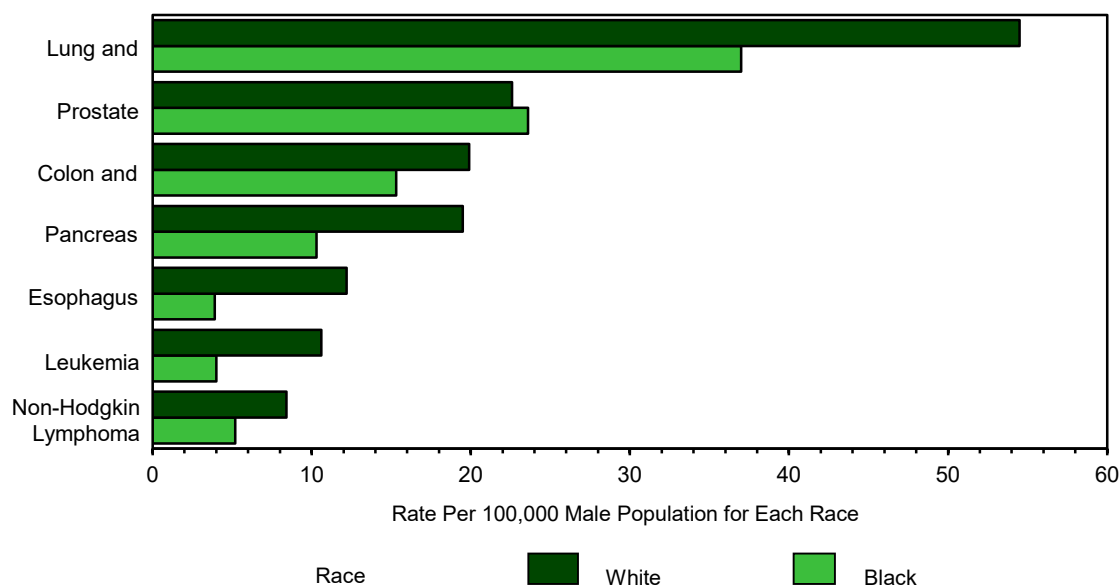
Esophagus = C15

Non-Hodgkin Lymphoma = C82-C85

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

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

Cancer (Malignant Neoplasm) Site



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

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

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

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

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

Lung and Bronchus = C34

Breast = C50

Colon and Rectum = C18-C20, C26.0

Pancreas = C25

Ovary = C56

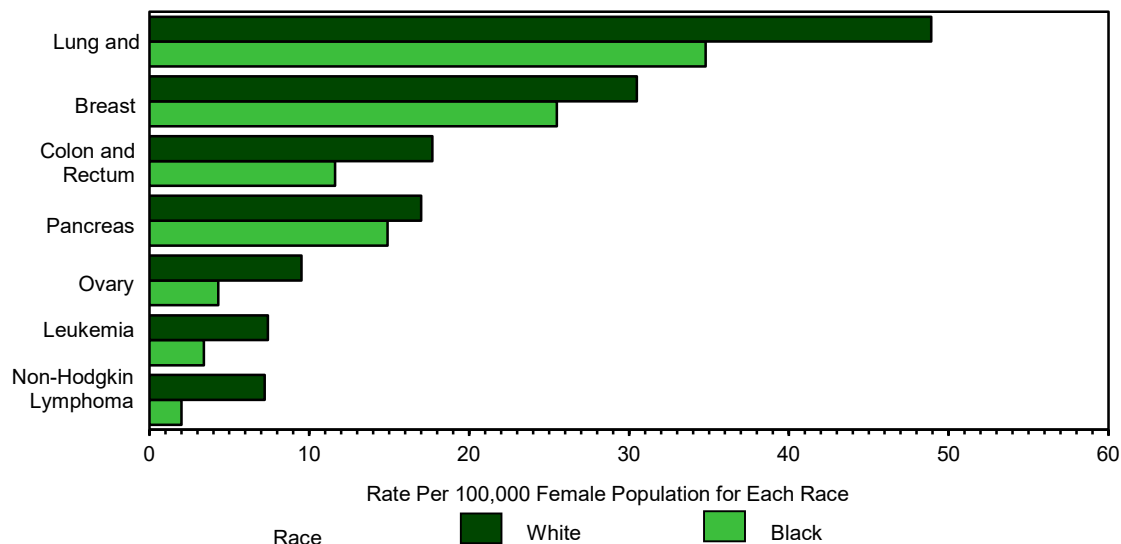
Non-Hodgkin Lymphoma = C82-C85

Leukemia = C90.1, C91-C95

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

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

Cancer (Malignant Neoplasm) Site



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

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

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

NA = Data not available

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

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

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

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

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

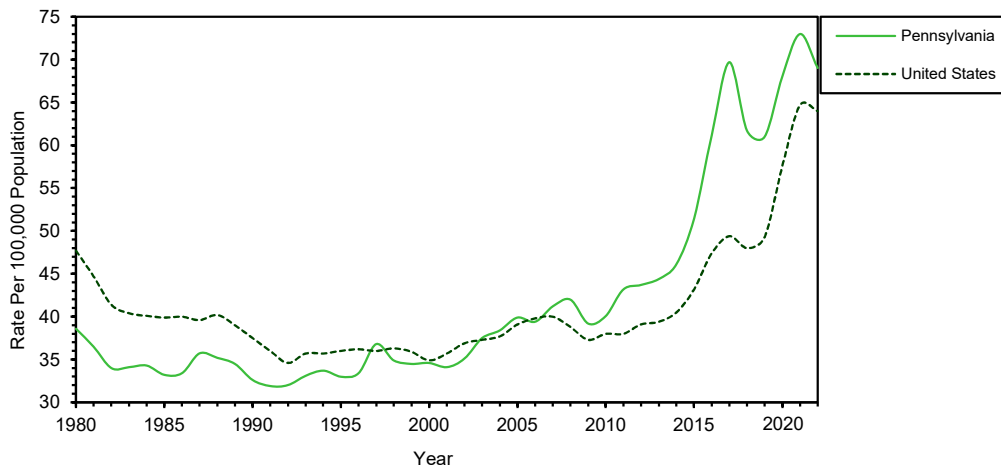


Table C-18B
Resident Deaths Due to Accidents by Type and Age
Pennsylvania, 2022

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

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

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

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

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

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

Falls = W00-W19

Discharge of Firearms = W32-W34

Drowning and Submersion = W65-W74

Suffocation and Strangulation = W75-W84

Smoke, Fire and Flames = X00-X09

Poisoning by Noxious Substances = X40-X49

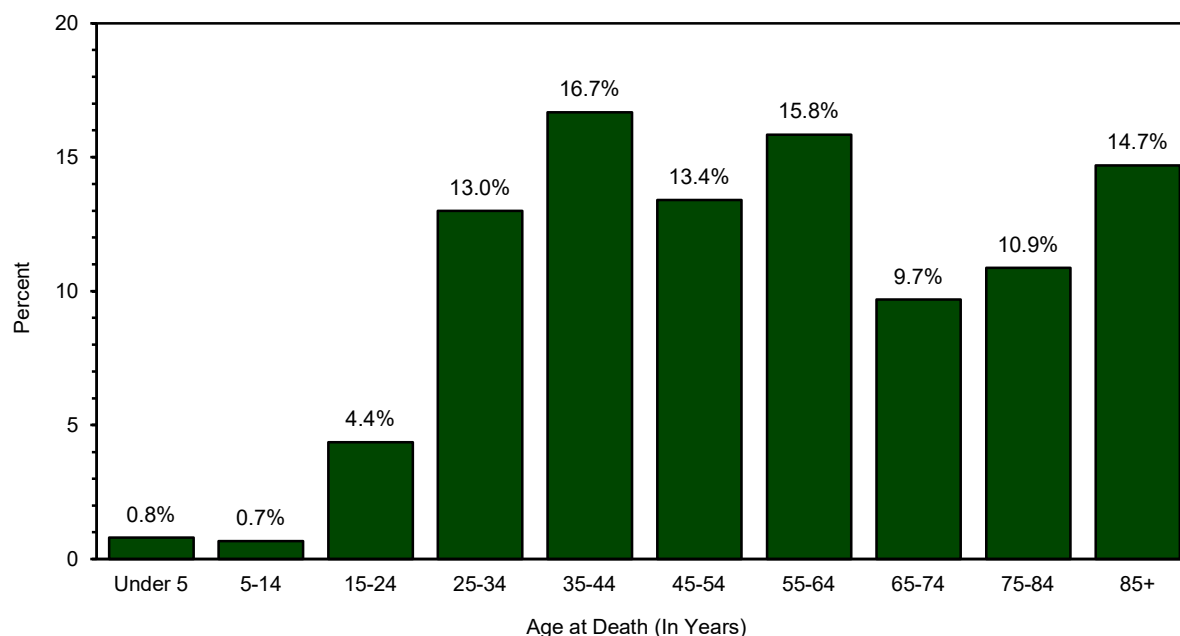
Other Nontransport Accidents = W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86

** Includes any unknown ages.

***Total includes any unknown sex.

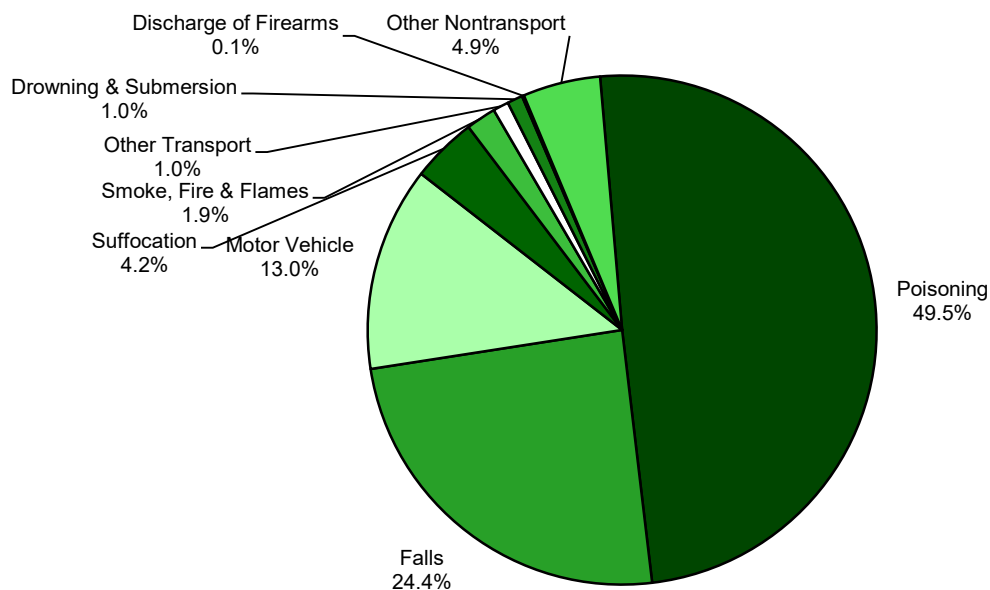
Note: Percents based on less than 10 events are considered statistically unreliable and are not displayed (ND).

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



Note: may not sum to 100 due to rounding.

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



Note: may not sum to 100 due to rounding.

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

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

NA = Data not available

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

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

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

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

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

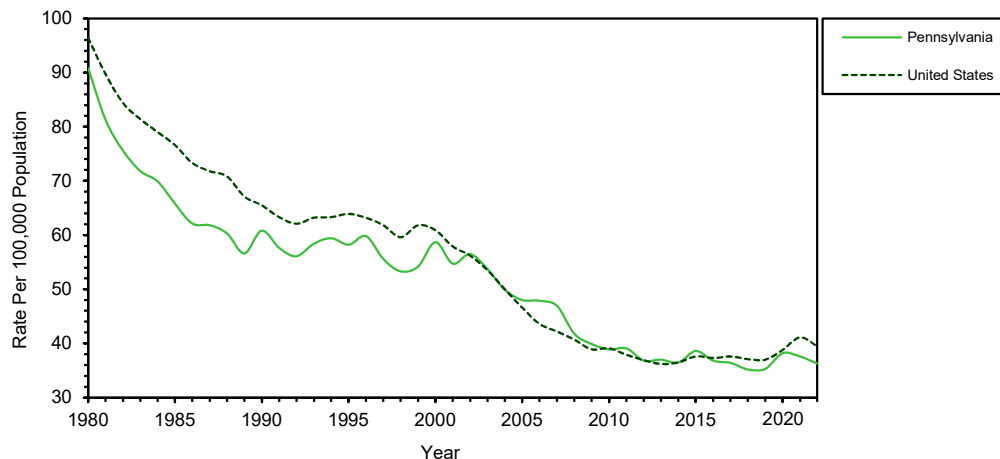


Table C-20
Influenza and Pneumonia Deaths
Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals
Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022

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

NA = Data not available

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

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

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

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

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

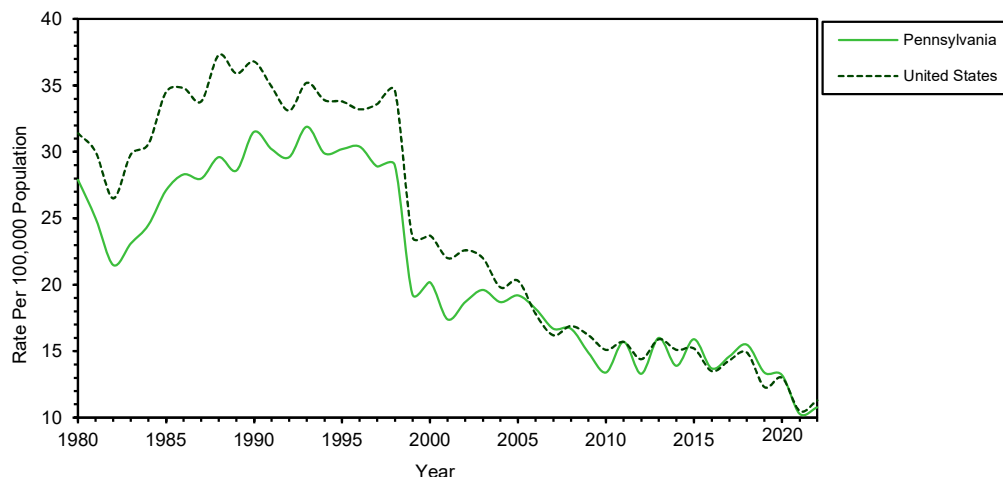


Table C-21A
Intentional Self-harm (Suicide) Deaths
Number of Deaths, Age-Adjusted Death Rates and 95% Confidence Intervals
Pennsylvania and United States, 1970, 1975, 1980, 1985, 1990-2022

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

NA = Data not available

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

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

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

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

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

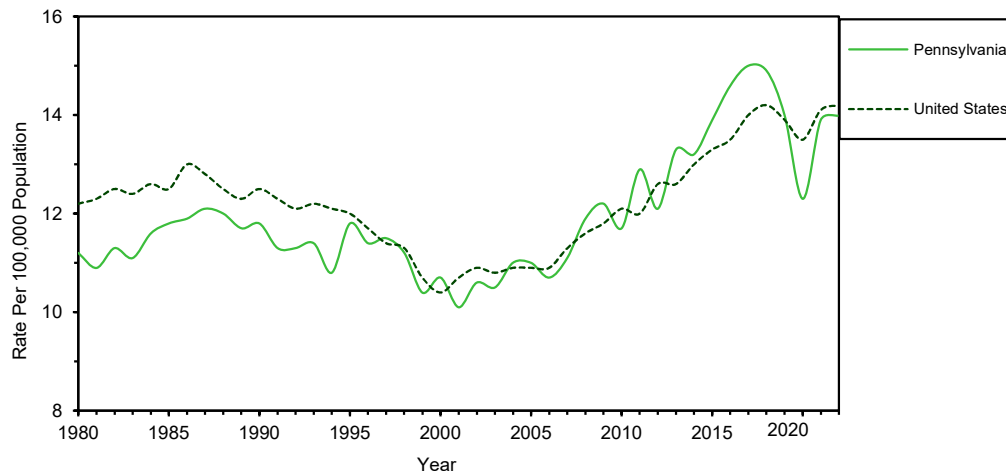


Table C-21B
Resident Intentional Self-harm (Suicide) Deaths
by Age, Race, and Sex, Pennsylvania, 2022

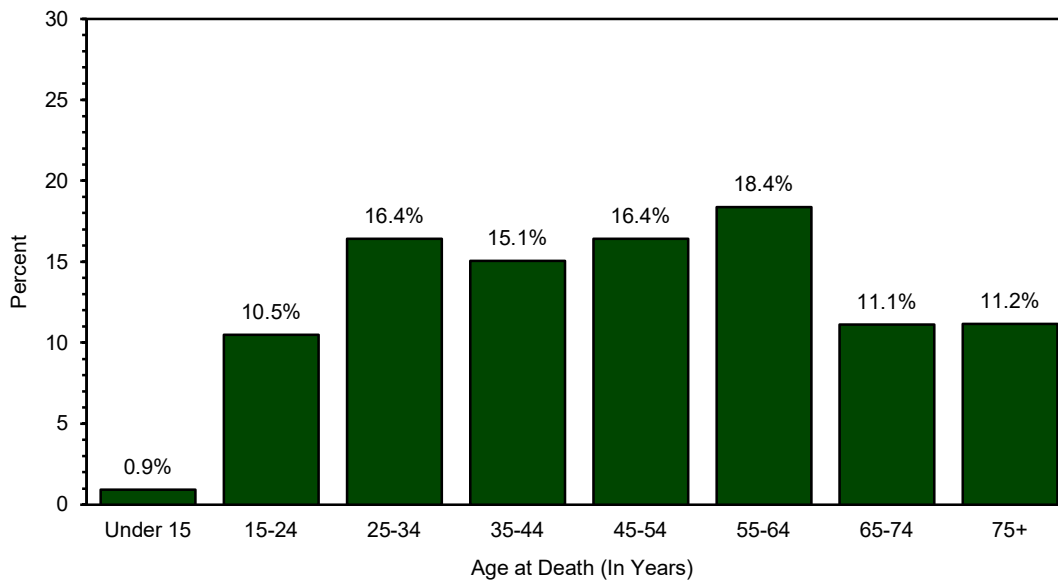
Age Group (In Years)	All Races			White			Black		
	Total*	Male	Female	Total*	Male	Female	Total*	Male	Female
All Ages**	1,925	1,543	382	1,654	1,335	319	147	118	29
Under 15	18	13	5	12	8	4	4	3	1
15 - 24	202	159	43	137	112	25	30	22	8
25 - 34	316	255	61	234	195	39	39	33	6
35 - 44	290	237	53	255	209	46	26	20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

* Total includes any unknown sex.

**Includes any unknown ages.

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

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



Note: may not sum to 100 due to rounding.

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

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

* Rate per 100,000 population.

NA = Data not available

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

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

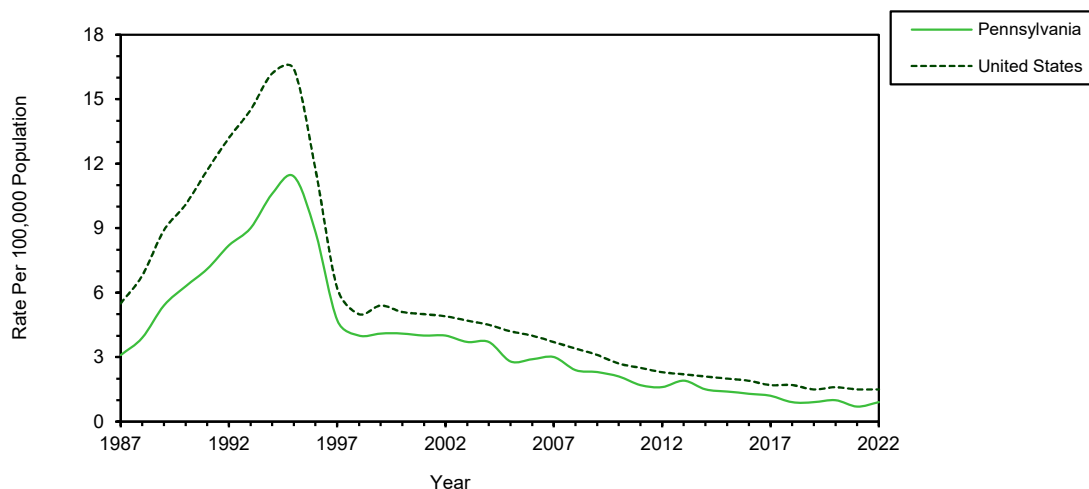


Table C-22B
Resident Deaths Due to HIV Disease
by Age, Race, Hispanic Origin, and Sex, Pennsylvania, 2022

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

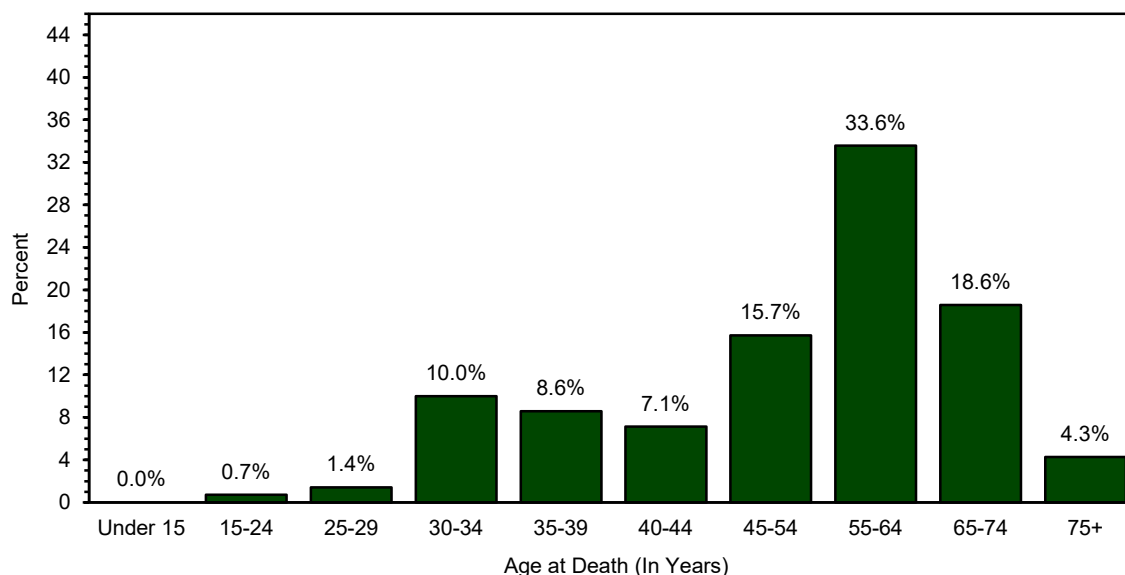
* Total includes any unknown sex.

**Includes any unknown ages.

Note: Hispanic origin can be of any race.

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

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



Note: may not sum to 100 due to rounding.

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

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

NA = Data not available

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

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

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

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

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

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

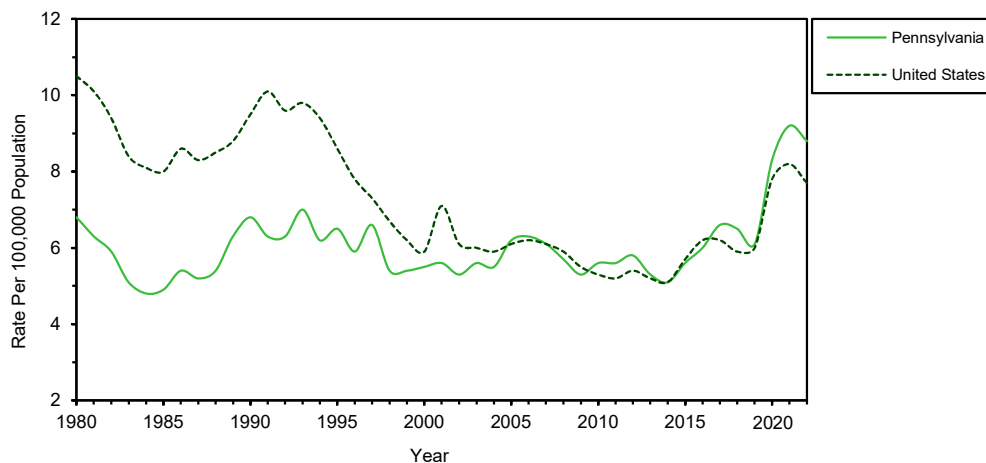


Table C-23B
Resident Assault (Homicide) Deaths
by Age, Race, Hispanic Origin, and Sex, Pennsylvania, 2022

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

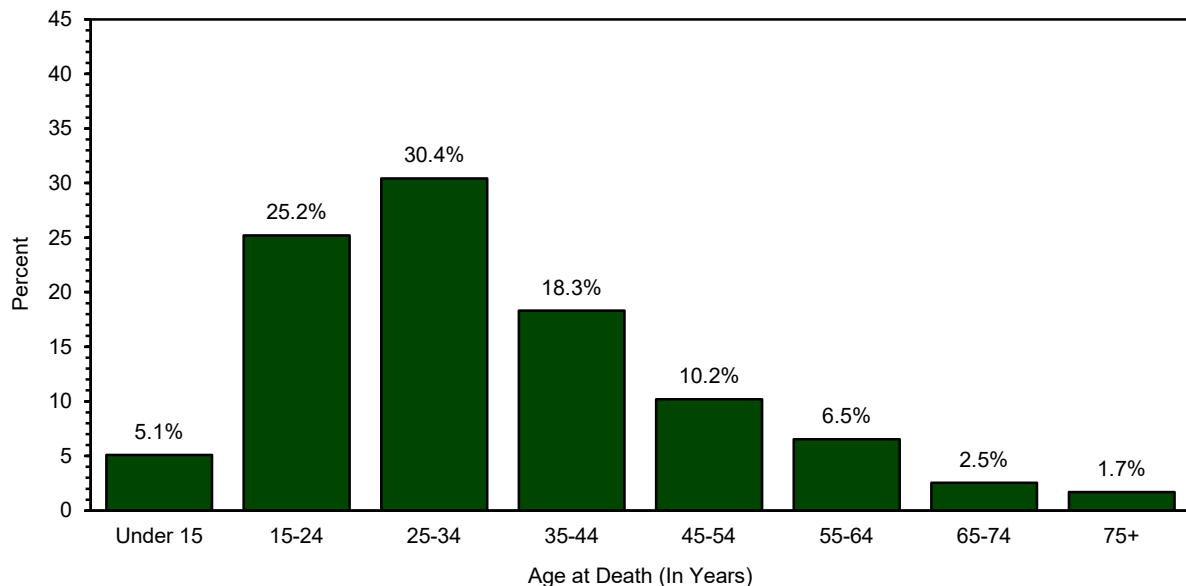
* Total includes any unknown sex.

**Includes any unknown ages.

Note: Hispanic origin can be of any race.

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

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



Note: may not sum to 100 due to rounding.

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

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

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

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

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

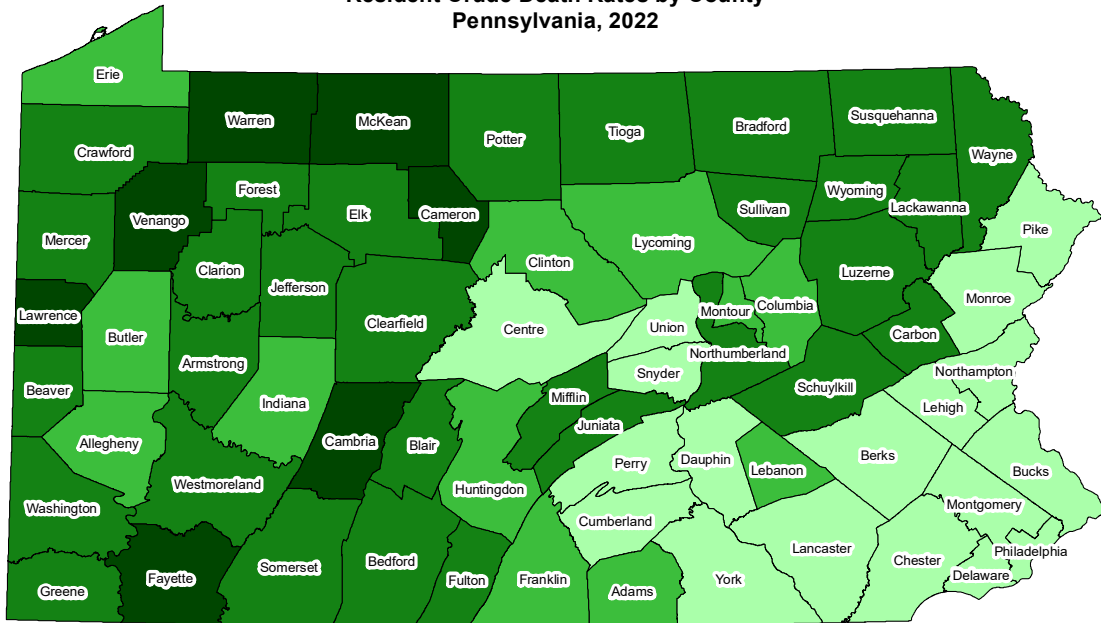
County	All Deaths 2018-2022		Infant Deaths 2018-2022		Neonatal Deaths 2018-2022	
	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	726,709	11.3	3,784	5.7	2,614	3.9
Adams	5,777	11.1	19	4.1	11	2.4
Allegheny	72,465	11.8	385	6.2	280	4.5
Armstrong	4,615	14.2	16	5.6	11	3.9
Beaver	11,709	14.1	51	6.6	35	4.5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

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

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

Figure C-27

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



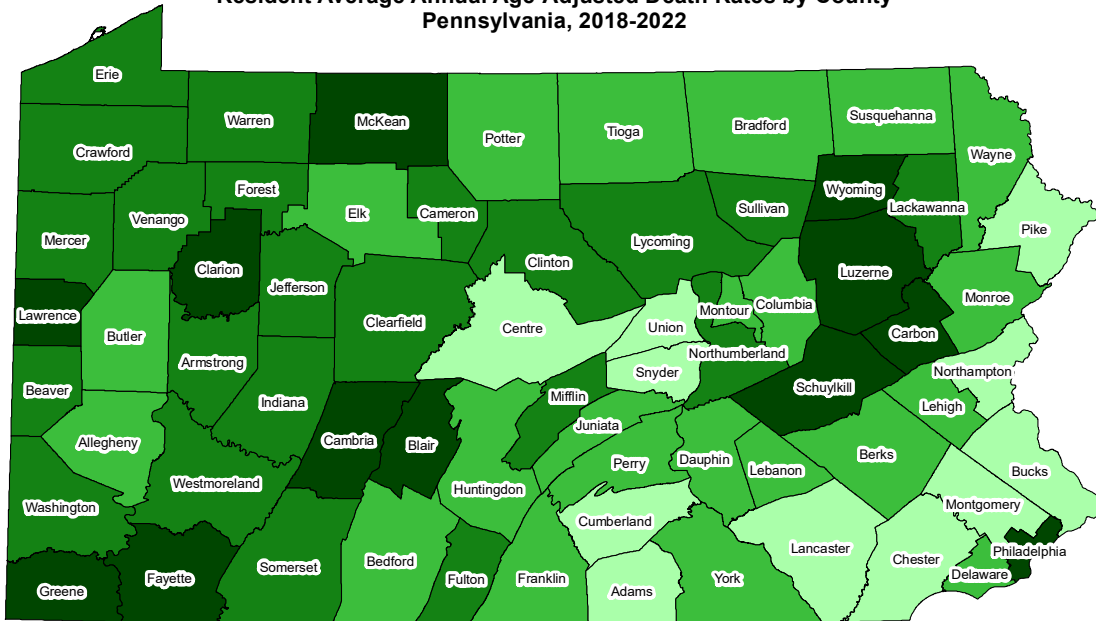
Rate

7.2 - 10.9 11.0 - 12.8 12.9 - 14.9 15.0 - 19.5

Note: Rate per 1,000 population, 2022. See Table C-24 for county rates.

Figure C-28

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



Rate

6.2 - 7.5 7.6 - 8.5 8.6 - 9.2 9.3 - 10.3

Note: Rate per 1,000 population, 2018-2022. See Table C-27 for county rates.

Figure C-29

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

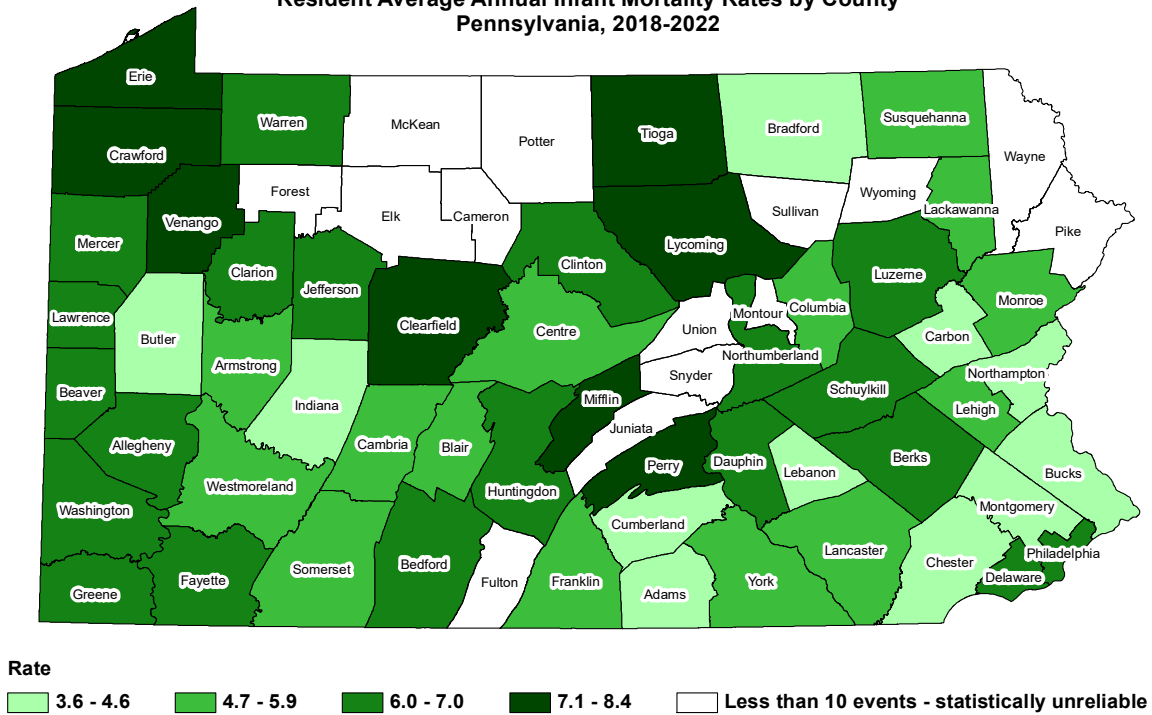
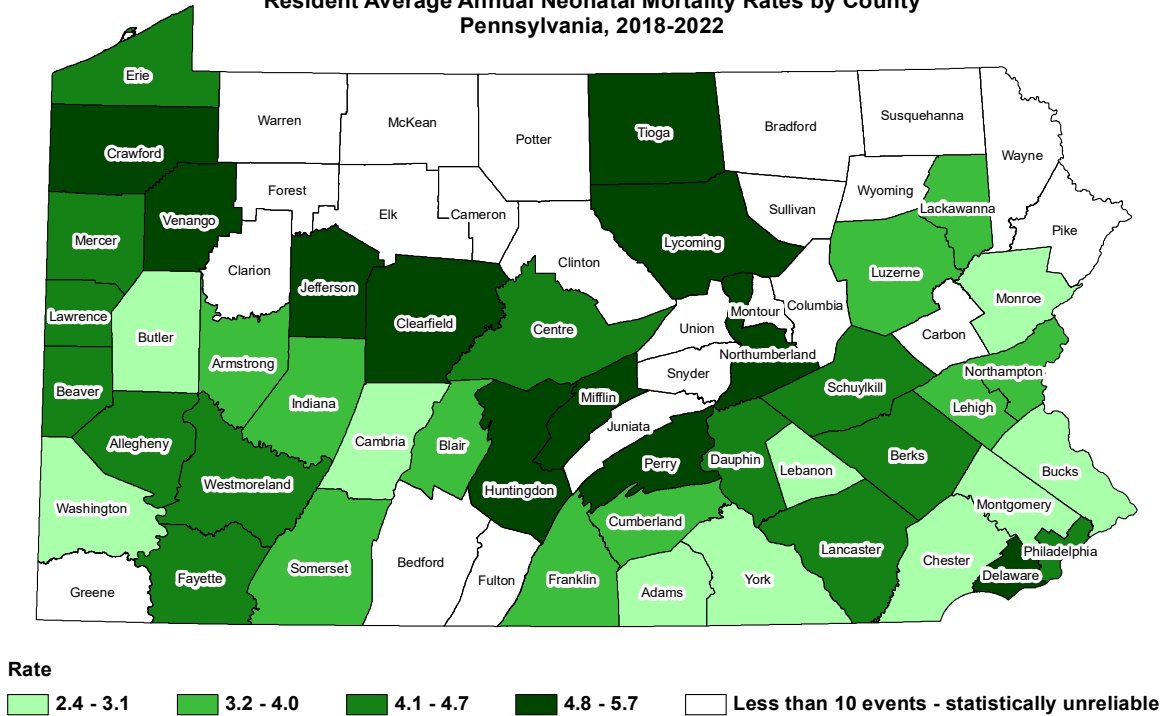


Figure C-30

**Resident Average Annual Neonatal Mortality Rates by County
Pennsylvania, 2018-2022**



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

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

County	Total*			Male			Female		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)	Number	Rate	CI (95%)
Pennsylvania	147,124	8.2	8.16-8.24	74,902	9.8	9.73-9.87	72,218	6.8	6.75-6.85
Adams	1,198	7.7	7.26-8.14	639	9.2	8.49-9.91	559	6.4	5.87-6.93
Allegheny	14,561	8.2	8.07-8.33	7,134	9.8	9.57-10.03	7,427	7.0	6.84-7.16
Armstrong	939	9.0	8.42-9.58	494	10.8	9.85-11.75	445	7.5	6.80-8.20
Beaver	2,396	9.2	8.83-9.57	1,218	11.3	10.67-11.93	1,178	7.6	7.17-8.03
Bedford	635	8.2	7.56-8.84	354	10.1	9.05-11.15	281	6.7	5.92-7.48
Berks	4,421	7.7	7.47-7.93	2,324	9.5	9.11-9.89	2,097	6.3	6.03-6.57
Blair	1,756	9.9	9.44-10.36	931	12.5	11.70-13.30	825	7.7	7.17-8.23
Bradford	820	8.9	8.29-9.51	416	9.8	8.86-10.74	404	8.1	7.31-8.89
Bucks	6,943	7.3	7.13-7.47	3,524	8.7	8.41-8.99	3,419	6.1	5.90-6.30
Butler	2,291	8.1	7.77-8.43	1,162	9.5	8.95-10.05	1,129	6.9	6.50-7.30
Cambria	1,988	9.4	8.99-9.81	1,009	11.4	10.70-12.10	979	7.9	7.41-8.39
Cameron	86	10.1	7.97-12.23	49	14.8	10.66-18.94	37	7.5	5.08-9.92
Carbon	931	9.6	8.98-10.22	486	11.2	10.20-12.20	445	8.1	7.35-8.85
Centre	1,136	6.2	5.84-6.56	589	7.2	6.62-7.78	547	5.2	4.76-5.64
Chester	4,455	6.4	6.21-6.59	2,269	7.6	7.29-7.91	2,186	5.4	5.17-5.63
Clarion	525	9.8	8.96-10.64	281	11.7	10.33-13.07	244	8.1	7.08-9.12
Clearfield	1,118	9.2	8.66-9.74	584	10.9	10.02-11.78	534	7.9	7.23-8.57
Clinton	468	8.8	8.00-9.60	262	10.8	9.49-12.11	206	7.1	6.13-8.07
Columbia	797	8.8	8.19-9.41	424	11.0	9.95-12.05	373	7.2	6.47-7.93
Crawford	1,102	8.9	8.37-9.43	578	10.2	9.37-11.03	524	7.6	6.95-8.25
Cumberland	2,715	7.3	7.03-7.57	1,355	8.6	8.14-9.06	1,360	6.2	5.87-6.53
Dauphin	3,019	8.2	7.91-8.49	1,519	9.7	9.21-10.19	1,500	6.9	6.55-7.25
Delaware	5,687	7.7	7.50-7.90	2,799	9.2	8.86-9.54	2,888	6.5	6.26-6.74
Elk	419	8.3	7.51-9.09	208	9.3	8.04-10.56	211	7.2	6.23-8.17
Erie	3,270	9.0	8.69-9.31	1,709	10.8	10.29-11.31	1,561	7.5	7.13-7.87
Fayette	2,057	10.7	10.24-11.16	1,088	13.0	12.23-13.77	969	8.9	8.34-9.46
Forest	95	9.7	7.75-11.65	58	12.3	9.13-15.47	37	8.0	5.42-10.58
Franklin	1,891	8.2	7.83-8.57	957	9.6	8.99-10.21	934	7.2	6.74-7.66
Fulton	197	9.0	7.74-10.26	100	10.0	8.04-11.96	97	8.0	6.41-9.59
Greene	502	10.4	9.49-11.31	250	11.8	10.34-13.26	252	9.5	8.33-10.67
Huntingdon	534	8.1	7.41-8.79	285	9.5	8.40-10.60	249	6.7	5.87-7.53
Indiana	1,053	9.4	8.83-9.97	537	11.1	10.16-12.04	516	7.9	7.22-8.58
Jefferson	625	9.4	8.66-10.14	302	10.3	9.14-11.46	323	8.4	7.48-9.32
Juniata	310	9.2	8.18-10.22	165	11.0	9.32-12.68	145	7.9	6.61-9.19
Lackawanna	2,846	9.1	8.77-9.43	1,479	11.6	11.01-12.19	1,367	7.1	6.72-7.48
Lancaster	5,868	7.2	7.02-7.38	2,958	8.6	8.29-8.91	2,910	6.1	5.88-6.32
Lawrence	1,293	9.9	9.36-10.44	664	12.1	11.18-13.02	629	8.1	7.47-8.73
Lebanon	1,747	8.1	7.72-8.48	886	10.0	9.34-10.66	861	6.6	6.16-7.04
Lehigh	3,701	7.7	7.45-7.95	1,868	9.3	8.88-9.72	1,832	6.4	6.11-6.69
Luzerne	4,342	9.3	9.02-9.58	2,156	11.0	10.54-11.46	2,185	8.0	7.66-8.34
Lycoming	1,412	8.6	8.15-9.05	690	10.0	9.25-10.75	722	7.6	7.05-8.15
McKean	607	10.4	9.57-11.23	335	13.0	11.61-14.39	272	8.2	7.23-9.17
Mercer	1,590	9.1	8.65-9.55	773	10.6	9.85-11.35	817	8.0	7.45-8.55
Mifflin	620	8.8	8.11-9.49	296	9.8	8.68-10.92	324	8.0	7.13-8.87
Monroe	1,818	8.4	8.01-8.79	983	9.8	9.19-10.41	835	7.1	6.62-7.58
Montgomery	8,341	6.8	6.65-6.95	4,040	8.1	7.85-8.35	4,301	5.8	5.63-5.97
Montour	231	7.5	6.53-8.47	104	8.8	7.11-10.49	127	6.6	5.45-7.75
Northampton	3,429	7.2	6.96-7.44	1,725	8.7	8.29-9.11	1,704	6.0	5.72-6.28
Northumberland	1,191	8.6	8.11-9.09	586	9.7	8.91-10.49	605	7.6	6.99-8.21
Perry	490	7.9	7.20-8.60	252	9.7	8.50-10.90	238	6.8	5.94-7.66
Philadelphia	15,646	9.2	9.06-9.34	8,289	11.7	11.45-11.95	7,355	7.3	7.13-7.47
Pike	647	6.7	6.18-7.22	361	7.9	7.09-8.71	286	5.6	4.95-6.25
Potter	230	8.1	7.05-9.15	120	9.4	7.72-11.08	110	6.5	5.29-7.71
Schuylkill	2,039	9.6	9.18-10.02	1,040	11.5	10.80-12.20	999	8.0	7.50-8.50
Snyder	414	6.8	6.14-7.46	210	8.0	6.92-9.08	204	5.9	5.09-6.71
Somerset	1,080	8.9	8.37-9.43	542	10.0	9.16-10.84	538	7.9	7.23-8.57
Sullivan	82	6.8	5.33-8.27	48	9.4	6.74-12.06	34	4.8	3.19-6.41
Susquehanna	557	8.8	8.07-9.53	299	10.0	8.87-11.13	258	7.5	6.58-8.42
Tioga	543	8.3	7.60-9.00	292	9.2	8.14-10.26	251	7.3	6.40-8.20
Union	414	6.3	5.69-6.91	192	7.3	6.27-8.33	222	5.4	4.69-6.11
Venango	766	9.4	8.73-10.07	377	10.5	9.44-11.56	389	8.5	7.66-9.34
Warren	578	9.1	8.36-9.84	305	10.6	9.41-11.79	273	7.7	6.79-8.61
Washington	2,748	8.7	8.37-9.03	1,379	10.3	9.76-10.84	1,369	7.3	6.91-7.69
Wayne	716	8.5	7.88-9.12	392	9.7	8.74-10.66	324	7.3	6.51-8.09
Westmoreland	4,999	8.7	8.46-8.94	2,554	10.4	10.00-10.80	2,445	7.2	6.91-7.49
Wyoming	381	9.8	8.82-10.78	194	11.4	9.80-13.00	187	8.4	7.20-9.60
York	4,818	7.7	7.48-7.92	2,454	9.0	8.64-9.36	2,364	6.6	6.33-6.87

*Total includes any unknown sex.

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

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

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

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

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

*Total includes any unknown sex.

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

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

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

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

County	Total*			Male			Female		
	Number	Rate	CI (95%)	Number	Rate	CI (95%)	Number	Rate	CI (95%)
Pennsylvania	304,578	380.2	378.9-381.6	184,342	476.3	474.1-478.5	120,230	287.6	286.0-289.2
Adams	2,179	305.9	293.1-318.7	1,337	383.3	362.8-403.9	842	230.9	215.3-246.5
Allegheny	29,586	383.2	378.8-387.6	17,704	481.1	474.0-488.2	11,882	291.5	286.3-296.7
Armstrong	1,991	439.3	420.0-458.6	1,234	547.1	516.6-577.6	757	328.5	305.1-351.9
Beaver	4,857	433.6	421.4-445.8	2,926	542.6	522.9-562.3	1,931	328.6	313.9-343.3
Bedford	1,343	419.1	396.7-441.5	808	506.3	471.4-541.2	535	330.2	302.2-358.2
Berks	8,820	342.8	335.7-350.0	5,391	429.8	418.3-441.3	3,429	257.8	249.2-266.4
Blair	3,523	442.8	428.2-457.4	2,156	564.2	540.4-588.0	1,367	324.7	307.5-341.9
Bradford	1,575	384.1	365.1-403.1	917	455.9	426.4-485.4	658	312.7	288.8-336.6
Bucks	12,750	304.3	299.0-309.6	7,746	380.9	372.4-389.4	5,004	229.8	223.4-236.2
Butler	4,236	333.1	323.1-343.1	2,575	412.4	396.5-428.3	1,661	253.9	241.7-266.1
Cambria	4,086	466.2	451.9-480.5	2,459	572.2	549.6-594.8	1,627	359.2	341.8-376.7
Cameron	159	448.9	379.1-518.7	87	519.1	410.0-628.2	72	371.3	285.5-457.1
Carbon	1,986	456.9	436.8-477.0	1,225	569.8	537.9-601.7	761	340.7	316.5-364.9
Centre	1,956	227.1	217.0-237.2	1,196	270.5	255.2-285.8	760	181.7	168.8-194.6
Chester	7,831	240.7	235.4-246.0	4,787	303.6	295.0-312.2	3,044	179.3	172.9-185.7
Clarion	1,060	437.2	410.9-463.5	637	526.6	485.7-567.5	423	348.8	315.6-382.0
Clearfield	2,188	411.2	394.0-428.4	1,305	473.3	447.6-499.0	883	344.5	321.8-367.2
Clinton	955	408.0	382.1-433.9	559	489.5	448.9-530.1	396	327.5	295.2-359.8
Columbia	1,601	391.9	372.7-411.1	962	487.4	456.6-518.2	639	300.1	276.8-323.4
Crawford	2,356	419.3	402.4-436.2	1,389	509.9	483.1-536.7	967	332.1	311.2-353.0
Cumberland	4,769	295.3	286.9-303.7	2,870	363.7	350.4-377.0	1,899	228.9	218.6-239.2
Dauphin	6,658	387.8	378.5-397.1	4,048	493.6	478.4-508.8	2,610	289.4	278.3-300.5
Delaware	12,243	361.2	354.8-367.6	7,322	458.7	448.2-469.2	4,920	271.8	264.2-279.4
Elk	778	378.6	352.0-405.2	505	491.4	448.5-534.3	273	259.5	228.7-290.3
Erie	6,910	411.4	401.7-421.1	4,203	510.4	495.0-525.8	2,707	314.5	302.7-326.4
Fayette	4,719	546.2	530.6-561.8	2,887	680.7	655.9-705.5	1,832	411.2	392.4-430.0
Forest	239	484.1	422.7-545.5	152	549.1	461.8-636.4	87	443.0	349.9-536.1
Franklin	3,586	359.8	348.0-371.6	2,108	435.8	417.2-454.4	1,478	286.9	272.3-301.5
Fulton	394	404.7	364.7-444.7	226	477.0	414.8-539.2	168	329.1	279.3-378.9
Greene	1,187	495.2	467.0-523.4	693	561.8	520.0-603.6	494	424.6	387.2-462.0
Huntingdon	1,104	376.2	354.0-398.4	695	451.6	418.0-485.2	409	291.6	263.3-319.9
Indiana	2,094	420.4	402.4-438.4	1,304	521.8	493.5-550.1	790	316.1	294.1-338.1
Jefferson	1,230	416.2	392.9-439.5	713	490.0	454.0-526.0	517	340.7	311.3-370.1
Juniata	589	382.6	351.7-413.5	361	458.1	410.8-505.4	228	304.6	265.1-344.1
Lackawanna	5,866	437.4	426.2-448.6	3,613	559.6	541.4-577.9	2,253	320.0	306.8-333.2
Lancaster	10,049	309.0	303.0-315.0	5,995	381.2	371.6-390.9	4,054	240.1	232.7-247.5
Lawrence	2,752	495.9	477.4-514.4	1,627	619.0	588.9-649.1	1,125	376.4	354.4-398.4
Lebanon	3,114	352.2	339.8-364.6	1,898	440.9	421.1-460.7	1,216	265.1	250.2-280.0
Lehigh	7,238	330.6	323.0-338.2	4,431	419.8	407.4-432.2	2,807	245.8	236.7-254.9
Luzerne	9,427	463.6	454.2-473.0	5,741	577.7	562.8-592.6	3,685	349.6	338.3-360.9
Lycoming	2,960	405.0	390.4-419.6	1,734	476.6	454.2-499.0	1,226	335.4	316.6-354.2
McKean	1,235	460.0	434.3-485.7	717	530.3	491.5-569.1	518	385.6	352.4-418.8
Mercer	3,285	457.5	441.9-473.2	1,932	540.4	516.3-564.5	1,353	376.4	356.3-396.5
Mifflin	1,236	423.2	399.6-446.8	689	479.4	443.6-515.2	547	370.3	339.3-401.3
Monroe	4,174	379.4	367.9-390.9	2,593	473.8	455.6-492.0	1,580	285.3	271.2-299.4
Montgomery	14,529	274.8	270.3-279.3	8,688	343.8	336.6-351.0	5,841	209.5	204.1-214.9
Montour	430	363.7	329.3-398.1	248	440.1	385.3-494.9	182	290.7	248.5-332.9
Northampton	6,289	317.2	309.4-325.0	3,840	400.7	388.0-413.4	2,449	236.6	227.2-246.0
Northumberland	2,656	439.0	422.3-455.7	1,602	531.2	505.2-557.2	1,054	345.1	324.3-365.9
Perry	1,157	380.6	358.7-402.5	696	451.3	417.8-484.8	461	307.0	279.0-335.0
Philadelphia	43,833	522.8	517.9-527.7	26,656	694.1	685.8-702.4	17,175	374.6	369.0-380.2
Pike	1,441	344.9	327.1-362.7	880	426.3	398.1-454.5	561	260.2	238.7-281.7
Potter	485	401.4	365.7-437.1	302	503.4	446.6-560.2	183	296.9	253.9-339.9
Schuylkill	4,478	478.2	464.2-492.2	2,771	586.0	564.2-607.8	1,707	363.9	346.6-381.2
Snyder	799	312.9	291.2-334.6	465	365.9	332.6-399.2	334	260.3	232.4-288.2
Somerset	2,093	409.6	392.1-427.2	1,298	487.0	460.5-513.5	795	323.9	301.4-346.4
Sullivan	197	386.8	332.8-440.8	124	489.3	403.2-575.4	73	277.0	213.5-340.5
Susquehanna	1,132	388.2	365.6-410.8	694	472.5	437.4-507.7	438	300.7	272.5-328.9
Tioga	1,018	375.5	352.4-398.6	607	450.2	414.4-486.0	411	300.8	271.7-329.9
Union	662	253.6	234.3-272.9	418	313.1	283.1-343.1	244	188.9	165.2-212.6
Venango	1,647	457.5	435.4-479.6	1,011	561.5	526.9-596.1	636	353.5	326.0-381.0
Warren	1,121	401.5	378.0-425.0	692	490.1	453.6-526.6	429	311.5	282.0-341.0
Washington	5,782	417.3	406.5-428.1	3,534	526.2	508.9-543.6	2,248	310.3	297.5-323.1
Wayne	1,498	394.8	374.8-414.8	960	477.2	447.0-507.4	538	303.9	278.2-329.6
Westmoreland	9,593	390.8	383.0-398.6	5,801	485.9	473.4-498.4	3,791	297.6	288.1-307.1
Wyoming	814	452.5	421.4-483.6	510	576.1	526.1-626.1	304	326.3	289.6-363.0
York	10,050	356.0	349.0-363.0	6,088	445.6	434.4-456.8	3,962	268.2	259.9-276.6

*Total includes any unknown sex.

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

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

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

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

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

(Continued)

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

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

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

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

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

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

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

Figure C-31

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

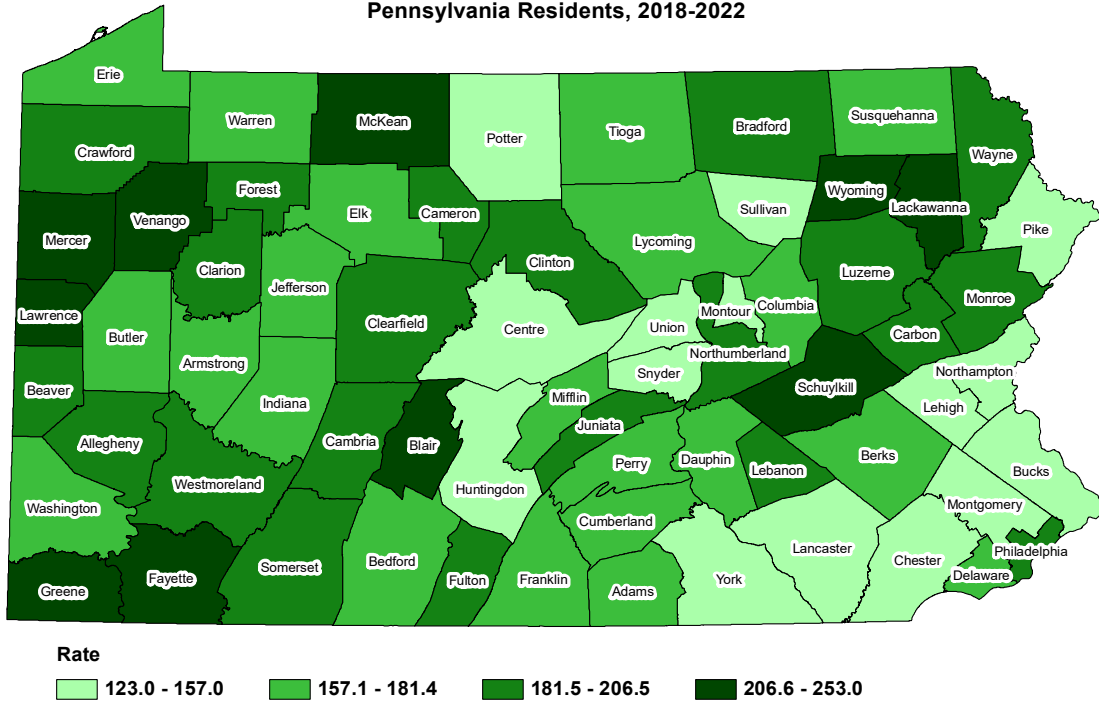
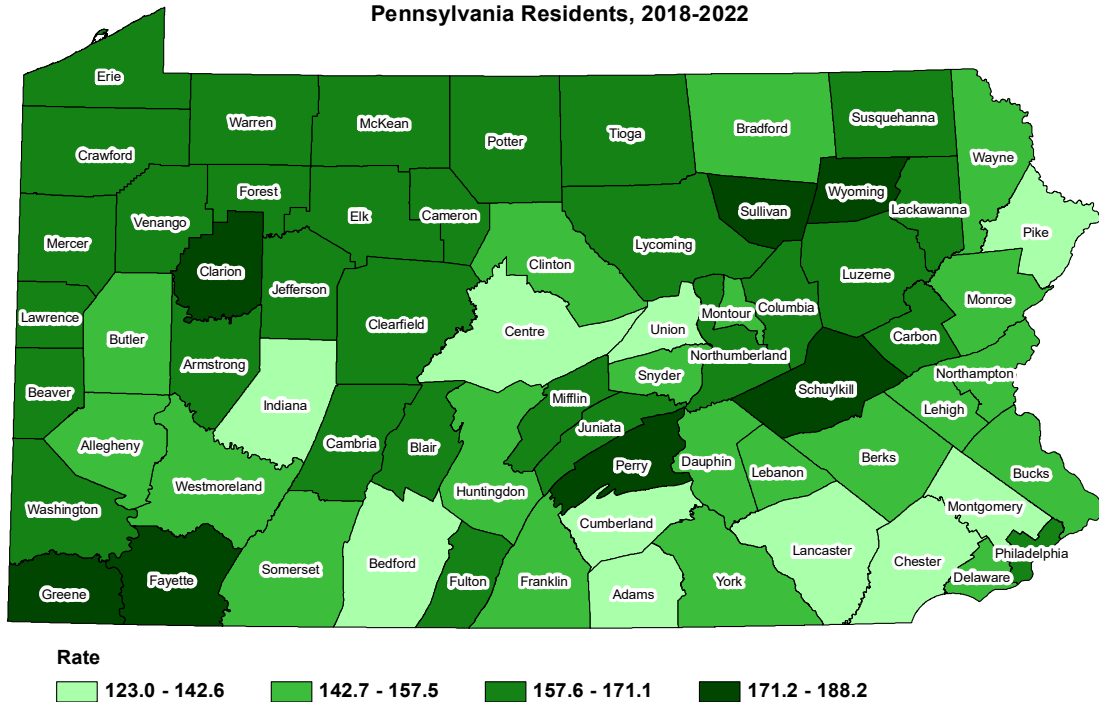


Figure C-32

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



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

Figure C-33

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

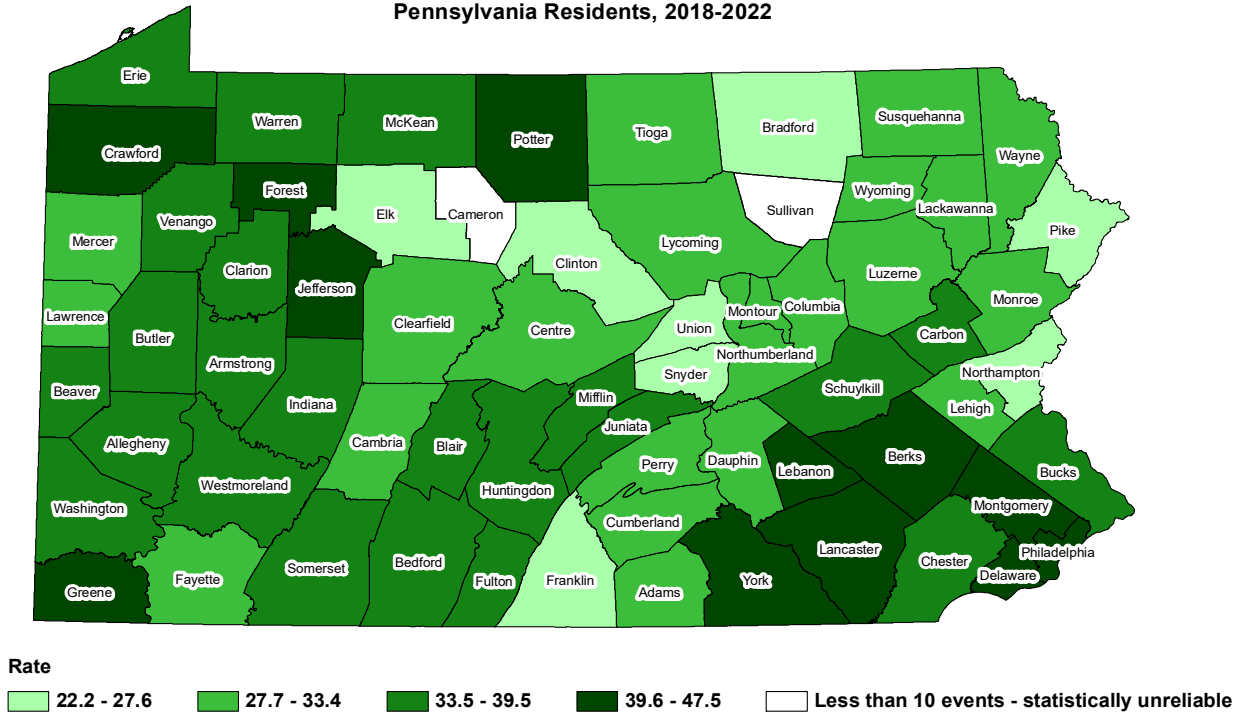
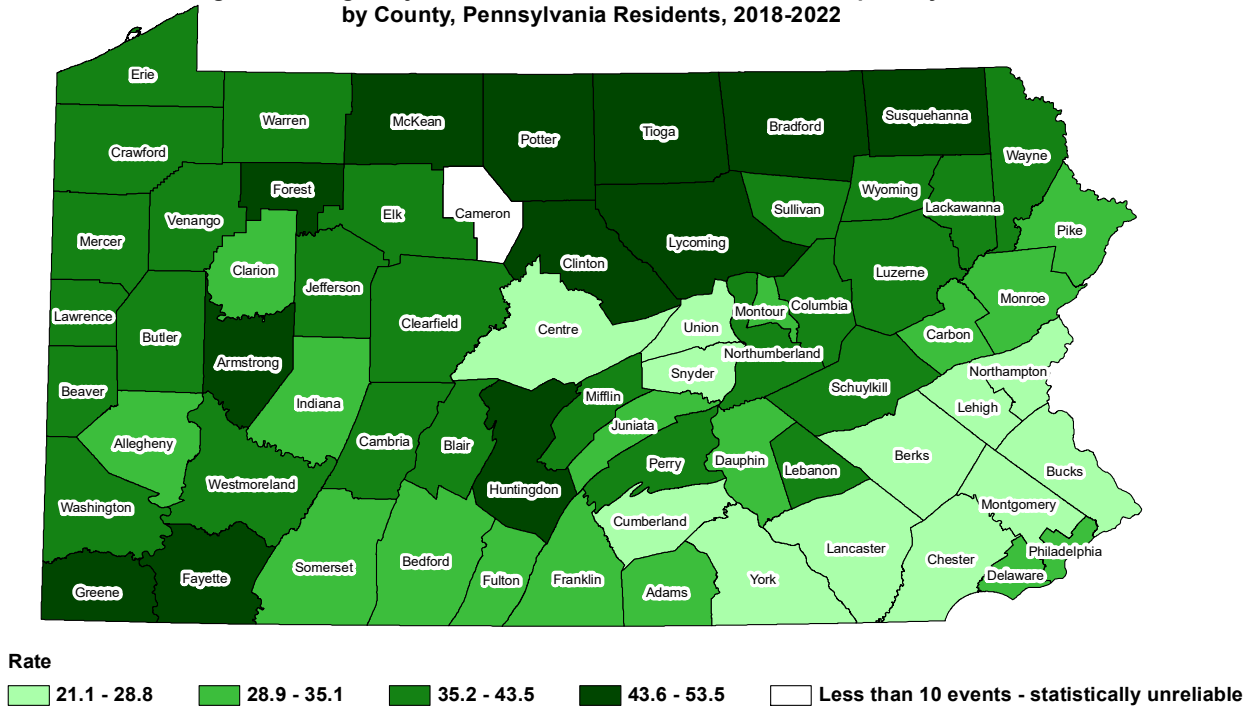


Figure C-34

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



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

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

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

(Continued)

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

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

*Includes any unknown ages.

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

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

(Continued)

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

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

Notes: Hispanic origin can be of any race.

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

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

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

(Continued)

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

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

Notes: Hispanic origin can be of any race.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

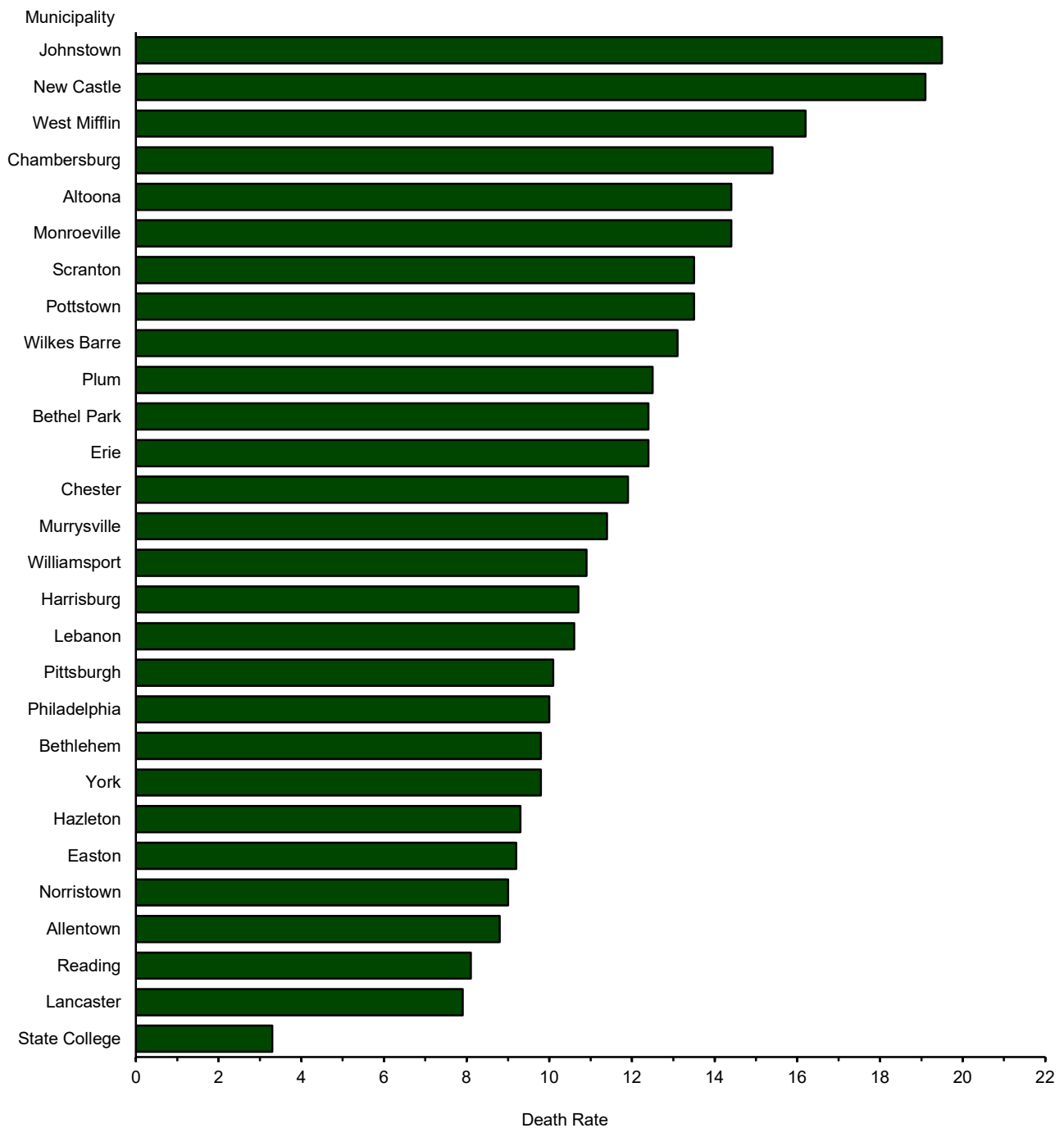
Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

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

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

* Birth and death crude rates per 1,000 population, 2022. Infant and neonatal death rates per 1,000 live births, 2022.
Note: Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

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



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

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

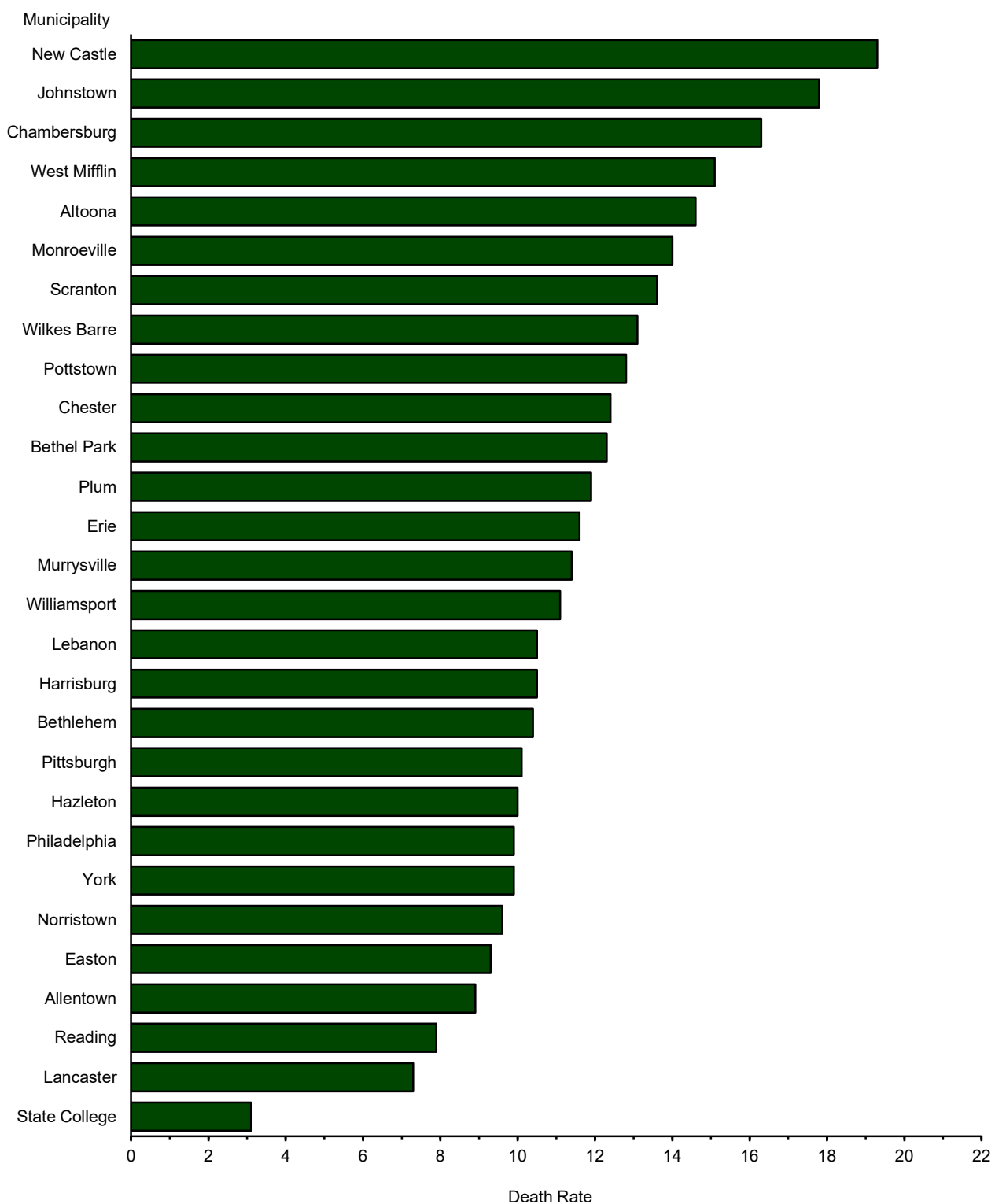
Municipality	All Deaths 2018 - 2022		Infant Deaths 2018 - 2022		Neonatal Deaths 2018 - 2022	
	Number	Rate	Number	Rate	Number	Rate
Pennsylvania	726,709	11.3	3,784	5.7	2,614	3.9
Allentown	5,509	8.9	68	7.4	44	4.8
Altoona	3,185	14.6	23	9.3	13	5.3
Bethel Park	2,022	12.3	6	ND	5	ND
Bethlehem	3,972	10.4	18	4.6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

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

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

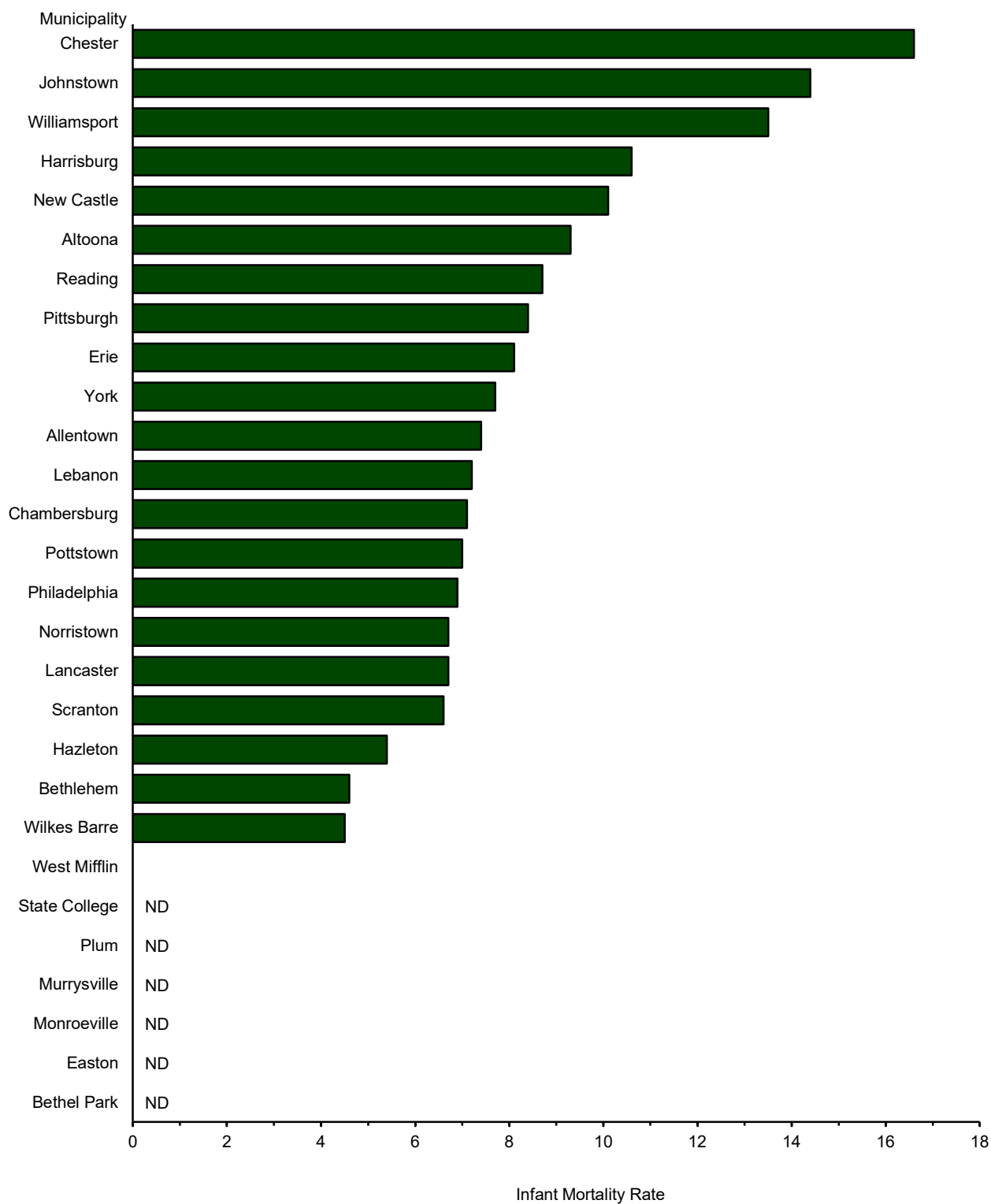
Rates based on less than 10 events are considered statistically unreliable and are not displayed (ND).

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



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

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



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

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

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

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

*Includes any unknown ages.

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

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

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

Notes: Hispanic origin can be of any race.

See Technical Notes for criteria used in municipality selection.

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

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

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

Notes: Hispanic origin can be of any race.

See Technical Notes for criteria used in municipality selection.

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

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

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

Notes: Hispanic origin can be of any race.

See Technical Notes for criteria used in municipality selection.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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