

**Pennsylvania Injury Deaths
2000-2004**

Bureau of Health Statistics and Research
Pennsylvania Department of Health

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INTRODUCTION

The Pennsylvania Department of Health is pleased to present this report on Pennsylvania Injury Deaths from 2000-2004. Fatal injuries represent only a small portion of the total injury burden, yet they are also the most severe. Injury is consistently among the leading causes of death for Pennsylvanians, ranking first among those ages 1-44 and fifth for all ages. The data presented in this report are a crucial part of developing injury prevention strategies to reduce the number and severity of life threatening injuries.

This report is organized into nine sections. Some sections are focused on the injury mechanisms while others are focused on the underlying intent. Also included is an appendix relating to the leading causes of fatal injuries. The summary statistics presented in each section are presented according to several demographic groups and geographic areas.

Highlights from the report:

- From 2000 to 2004 in Pennsylvania there were over 33,500 deaths due to unintentional injuries, suicides, and homicides. On average, there have been more than 18 deaths per day for the entire five year period.
- About 30% of injury deaths occurred to those over 65 years old, another 9% of injury deaths were to those persons under age 20.
- The number and rate of unintentional injury deaths has increased. In 2000, there were 4,500 unintentional injury deaths for an age-adjusted rate of 34.6 per 100,000 residents. Four years later, the number has increased to 5,091, resulting in an age-adjusted rate of 38.4 per 100,000 residents. The average annual age-adjusted death rate for the entire 5-year period was 35.9 per 100,000.
- The number of deaths due to motor vehicle accidents peaked in 2002 at 1,650 deaths for an age-adjusted rate of 13.1 per 100,000. By 2004, the number and rate had declined to 1,540 and 12.0 per 100,000, respectively. The average annual age-adjusted death rate for the entire period was 12.3 per 100,000.
- In 2001, there were 942 deaths due to drug poisoning with a rate of 7.8 per 100,000. After 2001, these figures steadily increased, and in 2004, there were 1,520 drug poisoning deaths for a rate of 12.6 per 100,000. The average annual age-adjusted death rate for the whole period was 10.0 per 100,000.
- Deaths due to falls and fall-related injuries increased from 728 in 2001 to 1,025 in 2004. The death rate per 100,000 also increased in this time period, from 4.9 in 2001 to 6.9 in 2004. The average annual age-adjusted death rate for the entire period was 5.7 per 100,000.
- The number and rate of suicide deaths did not change much from 2000 to 2004. In this period, there were a total of 6,667 suicides resulting in an average annual age-adjusted death rate of 10.6 per 100,000.
- Homicide numbers and rates remained relatively stable from 2000 to 2004. A total of 3,294 homicides were reported resulting in an average annual age-adjusted death rate of 5.5 per 100,000.
- Deaths due to firearm discharge, both intentional and unintentional, showed no appreciable trends during the 2000-2004 period. The average annual age-adjusted death rate was 9.8 per 100,000.

UNINTENTIONAL INJURIES

- Unintentional injuries include all deaths from unintentional injuries and the sequelae or "late effects" of unintentional injuries. (see technical notes)
- The annual number and age-adjusted rate for resident deaths due to all types of unintentional injuries in 2004 (5,091 and 38.4) were the highest recorded during the 2000-2004 period. The annual figures have been generally on the increase during this five-year period. (refer Table 1A)
- Between 2000 and 2004, the highest age-adjusted death rates have been among males (especially black males). However, the rates for black males have generally been on the decline while the rates for white males have been increasing during the five-year period of 2000-2004. In 2004, the rate was the same for both white and black males (55.6). (refer Table 1B)
- Among the four sex/race groups, the lowest annual age-adjusted death rates for unintentional injuries fluctuated between white females and black females. (refer Table 1B)
- The annual age-adjusted death rates for white and black females have not shown a consistent change between 2000 and 2004. (refer Table 1B)
- All four sex/race groups had their highest age-specific death rates among the oldest age groups, those aged 75 and older. However, some rather high rates were also recorded for younger males, especially black males in the age groups between 45-49 (90.0), 50-54 (98.8), and white males in the age group 20-24 (78.4). (refer Table 1C)
- As occurred with the age-adjusted rates, males had the highest age-specific death rates for nearly every age group during the five-year period of 2000-2004. (refer Table 1C)
- Black males generally had higher age-specific rates than white males. However, the rates in the age groups between 15-29 and 80+ were higher for white males. (refer Table 1C)
- The average annual age-specific death rates for males were consistently higher than those for females in every age group. (refer Table 1C)
- 34% of the 23,623 deaths during 2000-2004 due to unintentional injuries occurred among residents aged 70 and older. Residents of age 70 and older comprise only 11% of the total population. (refer Table 1C)
- Approximately 9% of all unintentional deaths were to children and youth less than 20 years of age between 2000 and 2004. There were 2,174 deaths recorded for these young residents during those five years. (refer Table 1E)
- Twenty-one counties had average annual age-adjusted death rates for 2000-2004 that were determined to be significantly higher than the corresponding state rate while nine counties had average annual age-adjusted death rates for 2000-2004 that were determined to be significantly lower than the corresponding state rate. (refer Table 1D)

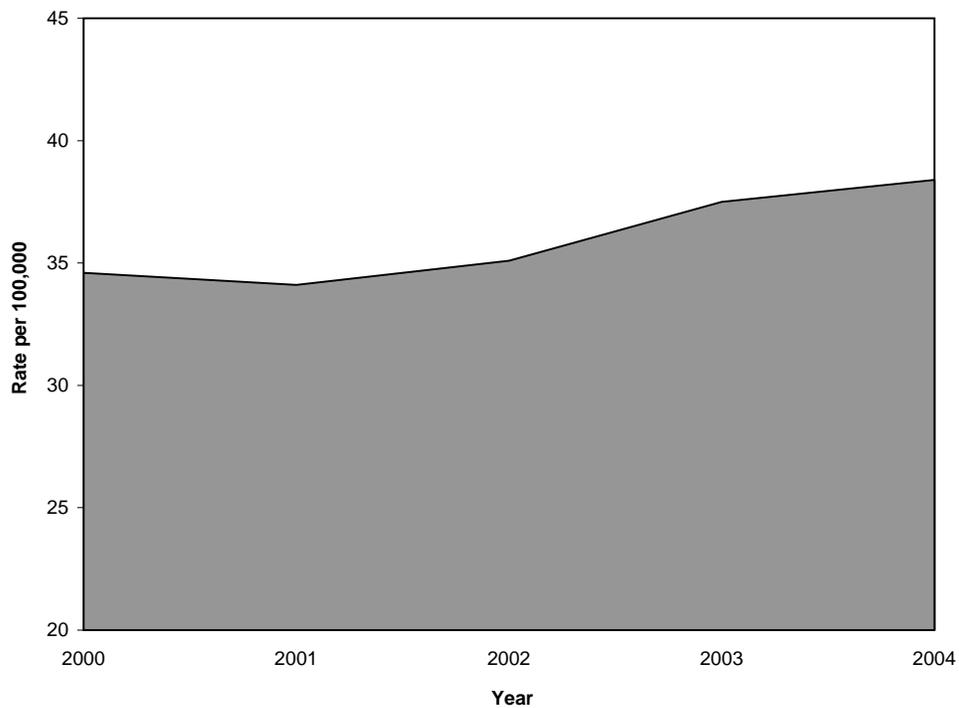
**HIGHEST AGE-ADJUSTED DEATH RATES:
Males; Rural counties (Table 1B and Table 1D)**

**HIGHEST AGE-SPECIFIC DEATH RATES:
Young (ages 20-24) white males; black males (ages 45-54);
and the elderly (Table 1C)**

**TABLE 1A: UNINTENTIONAL INJURIES
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	NO.	RATE
2000	4,500	34.6
2001	4,524	34.1
2002	4,587	35.1
2003	4,921	37.5
2004	5,091	38.4

NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

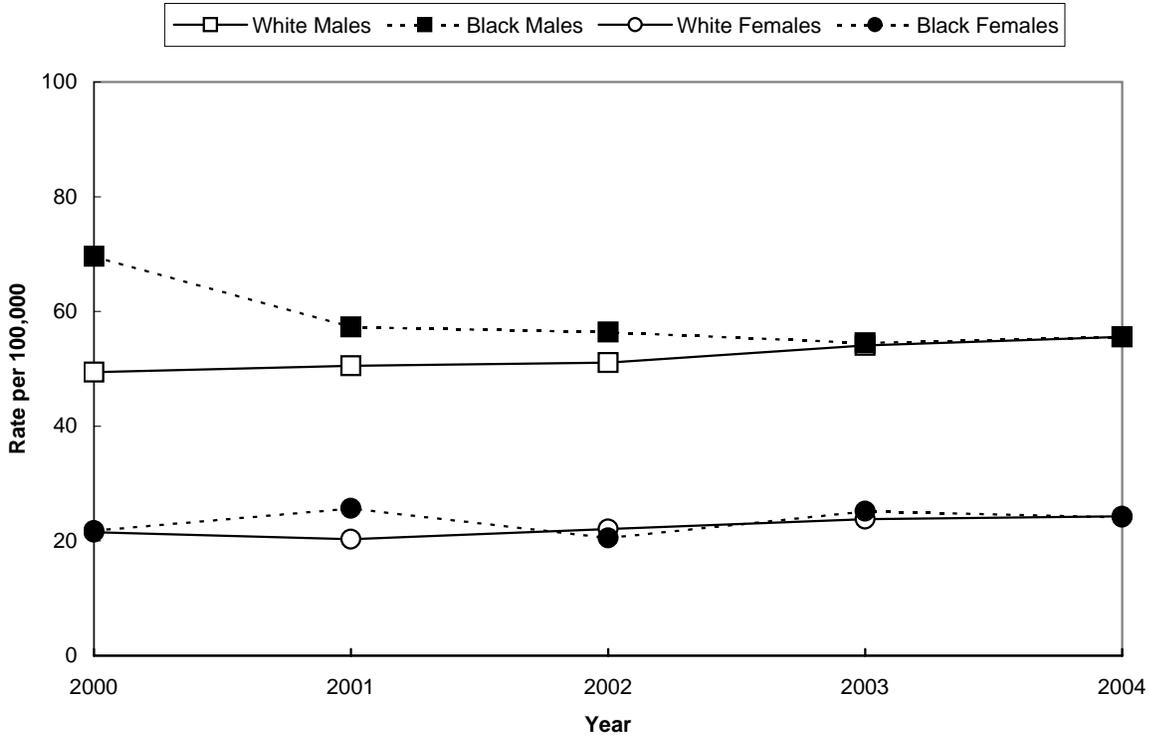


**National Healthy People 2010 Objective 15-13:
Reduce deaths caused by unintentional injuries to no more than 17.5 per 100,000.**

**TABLE 1B: UNINTENTIONAL INJURIES
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	MALES						FEMALES					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
2000	2,871	49.6	2,489	49.4	352	69.6	1,629	21.2	1,476	21.5	136	21.8
2001	2,898	49.4	2,576	50.5	291	57.3	1,626	20.6	1,442	20.3	160	25.7
2002	2,922	50.3	2,615	51.1	285	56.4	1,665	21.6	1,523	22.1	130	20.5
2003	3,123	53.0	2,802	54.1	292	54.5	1,797	23.6	1,615	23.8	163	25.2
2004	3,238	54.4	2,915	55.6	293	55.6	1,853	24.0	1,681	24.3	156	24.1

NOTES: Age-Adjusted rates are computed by the direct method using the 2000 U.S. standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.



**TABLE 1C: UNINTENTIONAL INJURIES
TOTAL NUMBER OF DEATHS AND AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

AGE GROUP	ALL DEATHS NO. RATE		MALES						FEMALES					
			ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE		ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE	
TOTAL ***	23623	38.3	15052	50.5	13397	52.1	1513	50.6	8570	26.9	7737	28.3	745	22.4
< 5	369	10.1	228	12.2	175	11.5	50	20.1	141	7.9	101	7.0	28	11.7
5-9	190	4.8	119	5.8	92	5.6	24	8.6	71	3.7	55	3.5	13	4.8
10-14	254	6.0	165	7.6	132	7.4	29	10.0	89	4.3	67	4.0	21	7.5
15-19	1361	30.6	1002	44.4	926	49.5	58	21.0	359	16.4	337	18.6	19	7.1
20-24	1774	44.9	1409	70.6	1290	78.4	99	41.5	365	18.7	330	20.5	25	10.4
25-29	1229	34.3	974	54.0	849	57.1	111	52.7	255	14.3	228	15.6	23	10.5
30-34	1278	32.2	979	49.6	855	51.4	118	55.8	299	15.0	261	15.7	35	15.2
35-39	1689	37.4	1213	54.4	1049	54.7	152	68.5	476	20.8	395	20.3	72	29.0
40-44	1976	40.8	1421	59.4	1256	59.9	154	69.8	555	22.6	452	21.3	100	39.8
45-49	1743	37.5	1287	56.2	1103	54.2	175	90.0	456	19.4	379	18.4	73	32.3
50-54	1350	32.4	990	48.6	826	45.2	157	98.8	360	17.0	311	16.6	45	23.6
55-59	870	25.6	619	37.8	522	35.3	90	75.1	251	14.3	217	13.9	31	20.5
60-64	751	27.3	503	38.7	442	37.5	56	60.5	247	17.0	225	17.4	19	15.4
65-69	793	32.4	479	43.1	411	40.4	62	82.7	314	23.5	281	23.3	30	27.8
70-74	1098	46.9	635	62.7	580	61.9	49	79.7	463	34.8	420	34.5	34	35.3
75-79	1610	78.1	843	101.8	786	101.7	54	116.1	767	62.2	709	62.1	55	69.5
80-84	1925	131.2	920	172.0	878	175.0	37	134.1	1005	107.9	956	110.0	44	80.6
85 +	3356	274.9	1260	366.4	1220	378.3	37	213.1	2096	239.0	2013	245.7	78	155.4

*** Unknowns included in totals.

NOTES: Rates are per 100,000 population (2000-2004) for each specified group.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

**FIGURE 1A: UNINTENTIONAL INJURIES
 AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES
 BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2000-2004**

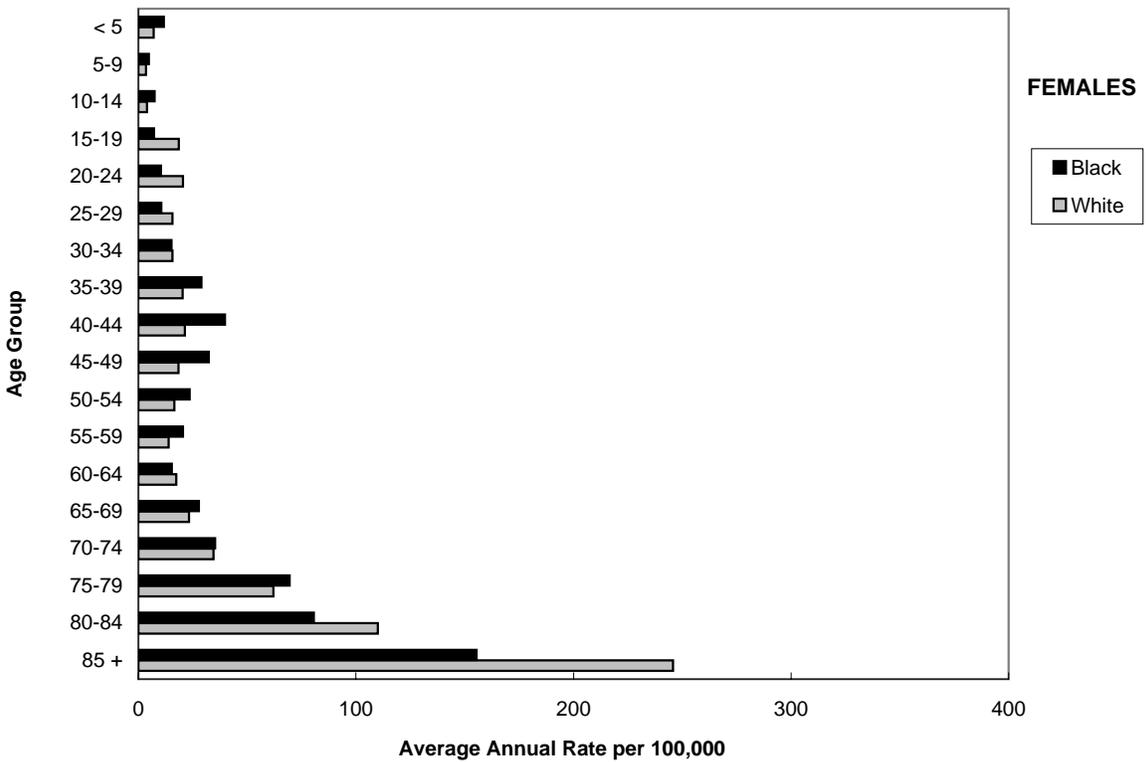
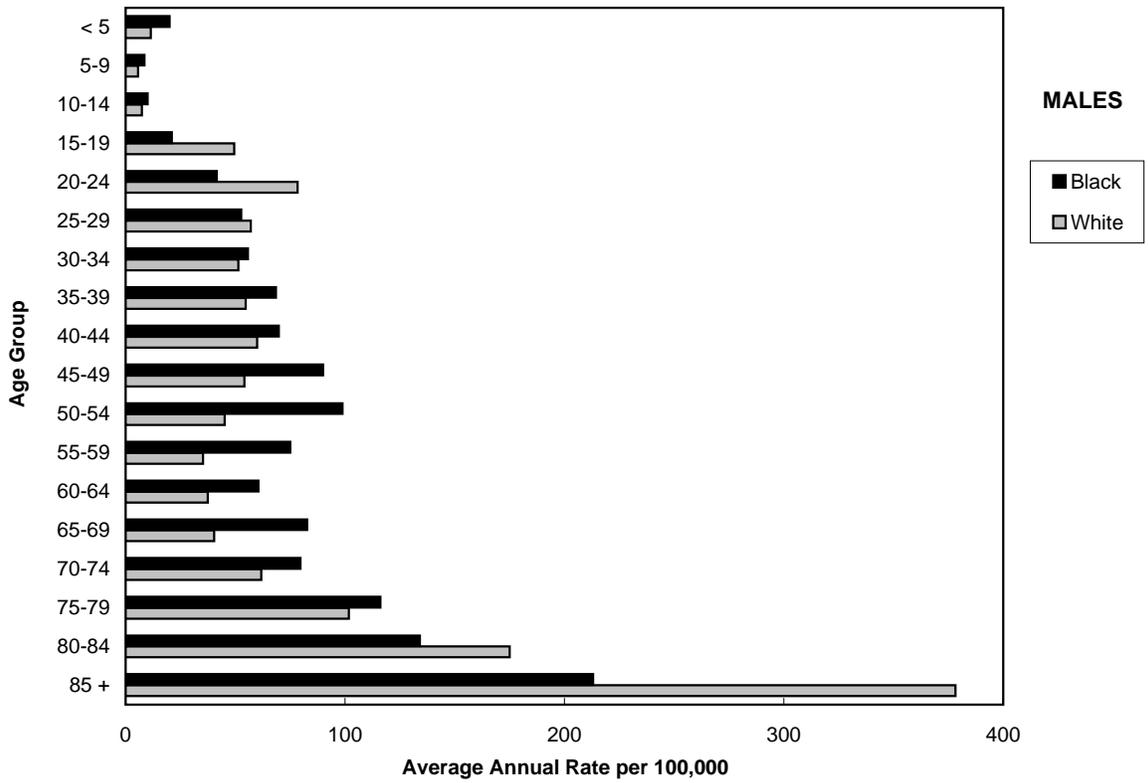
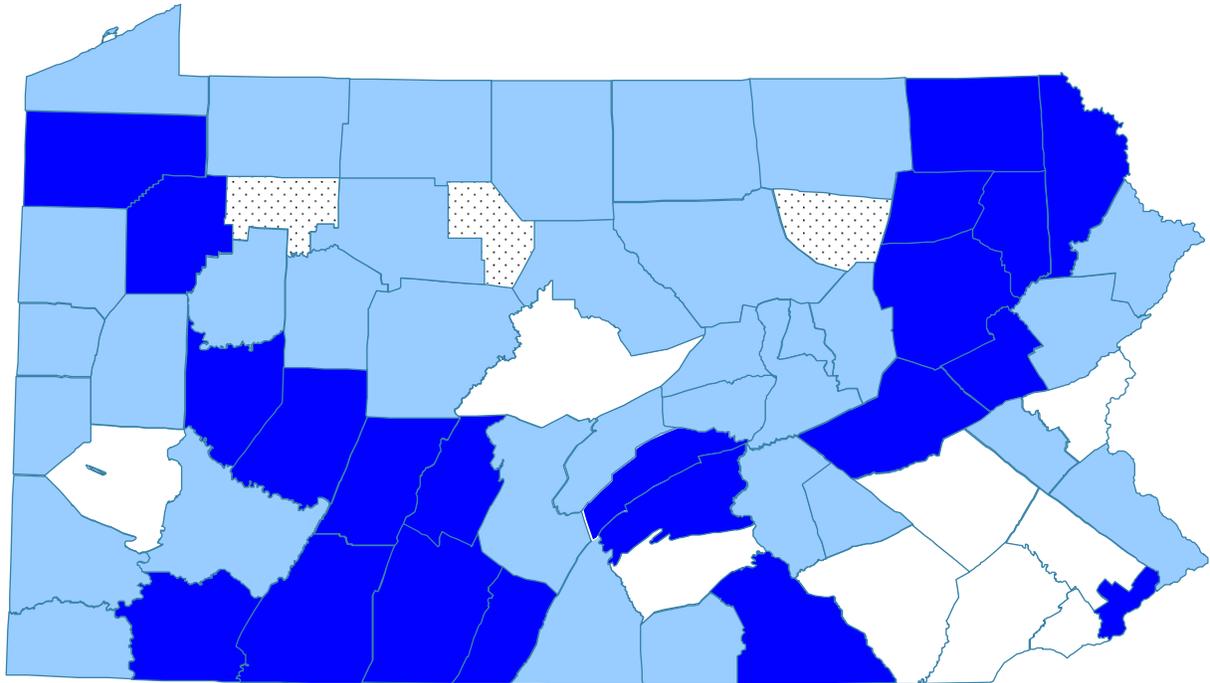


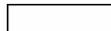
TABLE 1D: UNINTENTIONAL INJURIES
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004

County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Adams	164	34.0	28.80-39.20	Lackawanna	456	39.6	35.97-43.23 +
Allegheny	2,360	33.0	31.67-34.33 -	Lancaster	786	31.9	29.67-34.13 -
Armstrong	174	43.9	37.38-50.42 +	Lawrence	207	40.2	34.72-45.68
Beaver	326	32.9	29.33-36.47	Lebanon	212	32.2	27.87-36.53
Bedford	139	55.6	46.36-64.84 +	Lehigh	590	33.7	30.98-36.42
Berks	638	31.6	29.15-34.05 -	Luzerne	668	39.1	36.13-42.07 +
Blair	328	47.1	42.00-52.20 +	Lycoming	212	33.1	28.64-37.56
Bradford	127	39.6	32.71-46.49	McKean	76	32.4	25.12-39.68
Bucks	999	34.0	31.89-36.11	Mercer	261	40.4	35.50-45.30
Butler	338	36.6	32.70-40.50	Mifflin	92	39.8	31.67-47.93
Cambria	380	43.4	39.04-47.76 +	Monroe	288	40.2	35.56-44.84
Cameron	11	30.3		Montgomery	1,255	30.4	28.72-32.08 -
Carbon	143	43.9	36.70-51.10 +	Montour	46	46.6	33.13-60.07
Centre	180	29.4	25.10-33.70 -	Northampton	386	25.6	23.05-28.15 -
Chester	591	27.4	25.19-29.61 -	Northumberland	193	36.9	31.69-42.11
Clarion	89	42.1	33.35-50.85	Perry	106	49.3	39.91-58.69 +
Clearfield	185	41.8	35.78-47.82	Philadelphia	3,323	44.6	43.08-46.12 +
Clinton	74	36.0	27.80-44.20	Pike	81	33.4	26.13-40.67
Columbia	130	38.2	31.63-44.77	Potter	38	37.3	25.44-49.16
Crawford	201	41.9	36.11-47.69 +	Schuylkill	381	46.6	41.92-51.28 +
Cumberland	309	26.5	23.55-29.45 -	Snyder	58	30.0	22.28-37.72
Dauphin	441	33.7	30.55-36.85	Somerset	184	42.6	36.44-48.76 +
Delaware	895	29.9	27.94-31.86 -	Sullivan	16	54.3	
Elk	81	45.9	35.90-55.90	Susquehanna	111	50.9	41.43-60.37 +
Erie	529	35.8	32.75-38.85	Tioga	77	34.4	26.72-42.08
Fayette	351	45.5	40.74-50.26 +	Union	68	29.7	22.64-36.76
Forest	14	52.8		Venango	132	44.3	36.74-51.86 +
Franklin	254	36.3	31.84-40.76	Warren	99	43.8	35.17-52.43
Fulton	39	52.9	36.30-69.50 +	Washington	427	37.8	34.21-41.39
Greene	93	43.6	34.74-52.46	Wayne	131	52.2	43.26-61.14 +
Huntingdon	92	39.6	31.51-47.69	Westmoreland	746	36.0	33.42-38.58
Indiana	213	44.1	38.18-50.02 +	Wyoming	71	50.0	38.37-61.63 +
Jefferson	102	40.8	32.88-48.72	York	790	40.1	37.30-42.90 +
Juniata	66	56.9	43.17-70.63 +				
				Pennsylvania	23,623	35.9	35.44-36.36

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**FIGURE 1B: UNINTENTIONAL INJURIES
 AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS
 BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004**



 Significantly lower than the state	 Not significantly higher or lower than the state
 Significantly higher than the state	 Less than 20 events - statistically unreliable

**TABLE 1E: UNINTENTIONAL INJURIES
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY COUNTY
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	23,623	2,174	12,660	8,782					
Adams	164	26	89	49	Lackawanna	456	41	254	161
Allegheny	2,360	122	1,279	958	Lancaster	786	109	403	274
Armstrong	174	18	84	72	Lawrence	207	22	107	78
Beaver	326	18	173	135	Lebanon	212	24	102	86
Bedford	139	22	77	40	Lehigh	590	48	261	281
Berks	638	62	313	263	Luzerne	668	50	414	203
Blair	328	29	174	125	Lycoming	212	35	102	75
Bradford	127	23	59	45	McKean	76	11	44	21
Bucks	999	90	532	375	Mercer	261	29	136	96
Butler	338	46	186	106	Mifflin	92	7	62	23
Cambria	380	26	187	167	Monroe	288	35	180	73
Cameron	11	0	4	7	Montgomery	1,255	74	535	646
Carbon	143	13	74	56	Montour	46	9	18	19
Centre	180	18	94	68	Northampton	386	29	180	177
Chester	591	66	305	219	Northumberland	193	16	98	79
Clarion	89	19	41	29	Perry	106	22	62	22
Clearfield	185	26	96	63	Philadelphia	3,323	228	2,239	854
Clinton	74	16	35	23	Pike	81	8	48	25
Columbia	130	24	67	39	Potter	38	3	15	20
Crawford	201	26	102	73	Schuylkill	381	34	212	135
Cumberland	309	33	139	137	Snyder	58	5	29	24
Dauphin	441	42	236	163	Somerset	184	22	91	71
Delaware	895	47	458	390	Sullivan	16	1	12	3
Elk	81	8	49	24	Susquehanna	111	16	56	39
Erie	529	75	250	204	Tioga	77	11	32	34
Fayette	351	37	207	107	Union	68	14	34	20
Forest	14	1	9	4	Venango	132	16	77	39
Franklin	254	36	116	102	Warren	99	16	42	41
Fulton	39	3	25	11	Washington	427	36	214	177
Greene	93	7	60	26	Wayne	131	14	79	38
Huntingdon	92	19	47	26	Westmoreland	746	49	353	344
Indiana	213	24	103	86	Wyoming	71	8	40	23
Jefferson	102	16	50	36	York	790	81	380	329
Juniata	66	13	29	24					

NOTE: * Unknowns included in totals.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

TABLE 1F: UNINTENTIONAL INJURIES
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY HEALTH DISTRICT, PENNSYLVANIA RESIDENTS, 2000-2004

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northwest	1,987	39.3	37.57-41.03 +	Southwest	5,592	36.2	35.25-37.15
Cameron	11	30.3		Allegheny	2,360	33.0	31.67-34.33 -
Clarion	89	42.1	33.35-50.85	Armstrong	174	43.9	37.38-50.42 +
Clearfield	185	41.8	35.78-47.82	Beaver	326	32.9	29.33-36.47
Crawford	201	41.9	36.11-47.69 +	Butler	338	36.6	32.70-40.50
Elk	81	45.9	35.90-55.90	Cambria	380	43.4	39.04-47.76 +
Erie	529	35.8	32.75-38.85	Fayette	351	45.5	40.74-50.26 +
Forest	14	52.8		Greene	93	43.6	34.74-52.46
Jefferson	102	40.8	32.88-48.72	Indiana	213	44.1	38.18-50.02 +
Lawrence	207	40.2	34.72-45.68	Somerset	184	42.6	36.44-48.76 +
McKean	76	32.4	25.12-39.68	Washington	427	37.8	34.21-41.39
Mercer	261	40.4	35.50-45.30	Westmoreland	746	36.0	33.42-38.58
Venango	132	44.3	36.74-51.86 +				
Warren	99	43.8	35.17-52.43				
North Central	1,219	33.5	31.62-35.38 -	South Central	3,032	37.3	35.97-38.63 +
Bradford	127	39.6	32.71-46.49	Adams	164	34.0	28.80-39.20
Centre	180	29.4	25.10-33.70 -	Bedford	139	55.6	46.36-64.84 +
Clinton	74	36.0	27.80-44.20	Blair	328	47.1	42.00-52.20 +
Columbia	130	38.2	31.63-44.77	Cumberland	309	26.5	23.55-29.45 -
Lycoming	212	33.1	28.64-37.56	Dauphin	441	33.7	30.55-36.85
Montour	46	46.6	33.13-60.07	Franklin	254	36.3	31.84-40.76
Northumberland	193	36.9	31.69-42.11	Fulton	39	52.9	36.30-69.50 +
Potter	38	37.3	25.44-49.16	Huntingdon	92	39.6	31.51-47.69
Snyder	58	30.0	22.28-37.72	Juniata	66	56.9	43.17-70.63 +
Sullivan	16	54.3		Lebanon	212	32.2	27.87-36.53
Tioga	77	34.4	26.72-42.08	Mifflin	92	39.8	31.67-47.93
Union	68	29.7	22.64-36.76	Perry	106	49.3	39.91-58.69 +
				York	790	40.1	37.30-42.90 +
Northeast	2,925	36.2	34.89-37.51	Southeast	8,868	35.1	34.37-35.83 -
Carbon	143	43.9	36.70-51.10 +	Berks	638	31.6	29.15-34.05 -
Lackawanna	456	39.6	35.97-43.23 +	Bucks	999	34.0	31.89-36.11
Lehigh	590	33.7	30.98-36.42	Chester	591	27.4	25.19-29.61 -
Luzerne	668	39.1	36.13-42.07 +	Delaware	895	29.9	27.94-31.86 -
Monroe	288	40.2	35.56-44.84	Lancaster	786	31.9	29.67-34.13 -
Northampton	386	25.6	23.05-28.15 -	Montgomery	1,255	30.4	28.72-32.08 -
Pike	81	33.4	26.13-40.67	Philadelphia	3,323	44.6	43.08-46.12 +
Susquehanna	111	50.9	41.43-60.37 +	Schuylkill	381	46.6	41.92-51.28 +
Wayne	131	52.2	43.26-61.14 +				
Wyoming	71	50.0	38.37-61.63 +				
				Pennsylvania	23,623	35.9	35.44-36.36

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

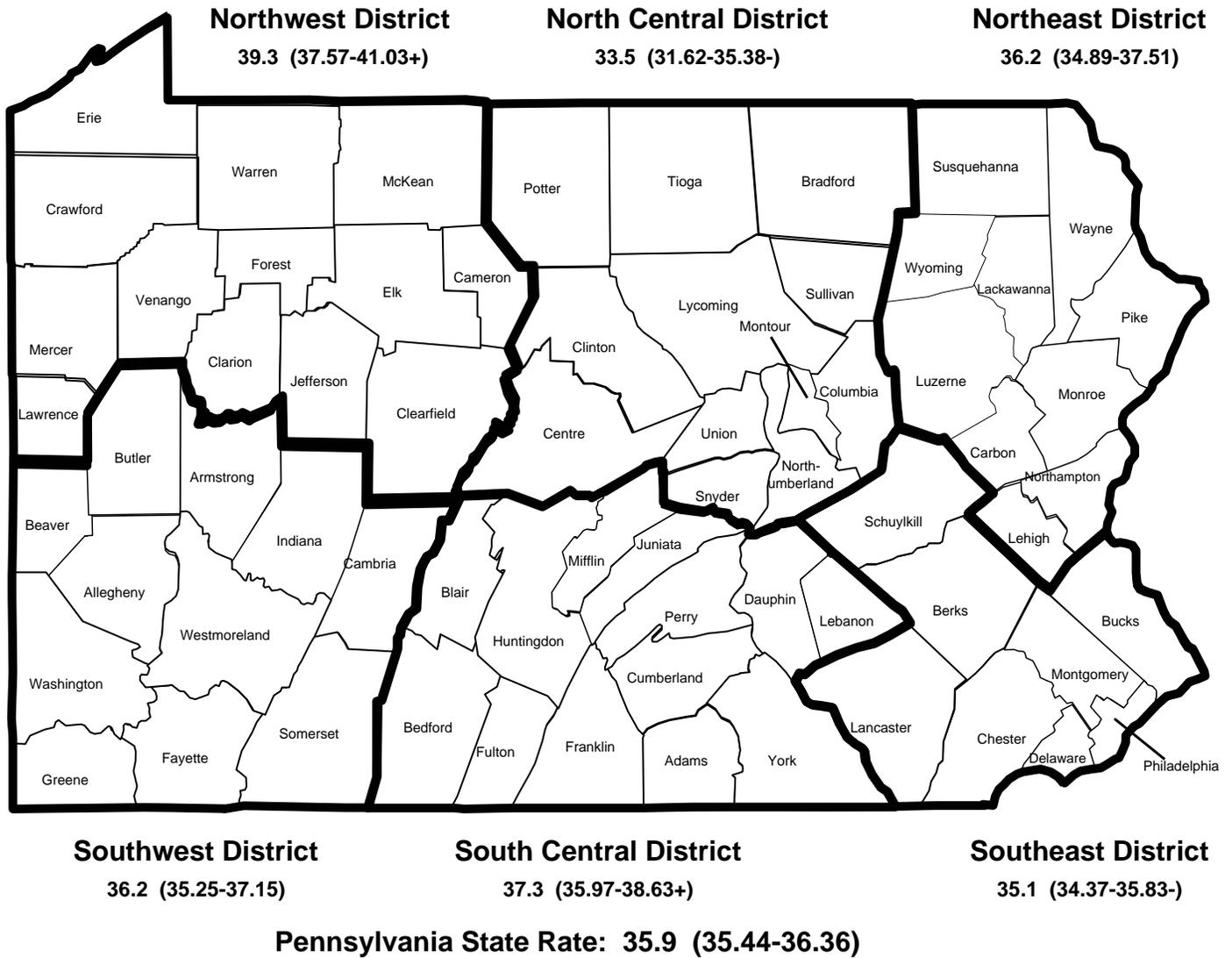
Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS

FIGURE 1C: UNINTENTIONAL INJURIES

Pennsylvania Health Districts and Counties, 2000-2004



NOTE: A + or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**TABLE 1G: UNINTENTIONAL INJURIES
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY HEALTH DISTRICT
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	23,623	2,174	12,660	8,782					
Northwest	1,987	265	1,007	715	Southwest	5,592	405	2,937	2,249
Cameron	11	0	4	7	Allegheny	2,360	122	1,279	958
Clarion	89	19	41	29	Armstrong	174	18	84	72
Clearfield	185	26	96	63	Beaver	326	18	173	135
Crawford	201	26	102	73	Butler	338	46	186	106
Elk	81	8	49	24	Cambria	380	26	187	167
Erie	529	75	250	204	Fayette	351	37	207	107
Forest	14	1	9	4	Greene	93	7	60	26
Jefferson	102	16	50	36	Indiana	213	24	103	86
Lawrence	207	22	107	78	Somerset	184	22	91	71
McKean	76	11	44	21	Washington	427	36	214	177
Mercer	261	29	136	96	Westmoreland	746	49	353	344
Venango	132	16	77	39					
Warren	99	16	42	41					
North Central	1,219	175	595	449	South Central	3,032	357	1,538	1,137
Bradford	127	23	59	45	Adams	164	26	89	49
Centre	180	18	94	68	Bedford	139	22	77	40
Clinton	74	16	35	23	Blair	328	29	174	125
Columbia	130	24	67	39	Cumberland	309	33	139	137
Lycoming	212	35	102	75	Dauphin	441	42	236	163
Montour	46	9	18	19	Franklin	254	36	116	102
Northumberland	193	16	98	79	Fulton	39	3	25	11
Potter	38	3	15	20	Huntingdon	92	19	47	26
Snyder	58	5	29	24	Juniata	66	13	29	24
Sullivan	16	1	12	3	Lebanon	212	24	102	86
Tioga	77	11	32	34	Mifflin	92	7	62	23
Union	68	14	34	20	Perry	106	22	62	22
					York	790	81	380	329
Northeast	2,925	262	1,586	1,076	Southeast	8,868	710	4,997	3,156
Carbon	143	13	74	56	Berks	638	62	313	263
Lackawanna	456	41	254	161	Bucks	999	90	532	375
Lehigh	590	48	261	281	Chester	591	66	305	219
Luzerne	668	50	414	203	Delaware	895	47	458	390
Monroe	288	35	180	73	Lancaster	786	109	403	274
Northampton	386	29	180	177	Montgomery	1,255	74	535	646
Pike	81	8	48	25	Philadelphia	3,323	228	2,239	854
Susquehanna	111	16	56	39	Schuylkill	381	34	212	135
Wayne	131	14	79	38					
Wyoming	71	8	40	23					

NOTE: * Unknowns included in totals.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

MOTOR VEHICLE ACCIDENTS

- Motor vehicle accidents include all deaths of unintentional intent involving motor vehicles. Both traffic and non-traffic accidents are included. (see technical notes)
- The number of deaths and the age-adjusted death rate for motor vehicle accidents during the five-year period of 2000-2004 both peaked in 2002 and have been decreasing in recent years. There were 1,650 resident deaths in 2002 for an age-adjusted rate of 13.1 per 100,000, compared to 1,540 deaths in 2004 and a rate of 12.0. The lowest annual number (1,473) and rate (11.8) were recorded in 2000. (refer Table 2A)
- Males had much higher annual age-adjusted death rates than females between 2000 and 2004 (especially for white males). The death rates for white males had been on the increase before declining in 2003. The death rates for black males have been decreasing in recent years. (refer Table 2B)
- The age-adjusted death rates for females have not changed much since 2000 but the rate for black females has shown a noticeable increase in 2003 (6.6) with an immediate drop to a more historically typical rate in 2004 (4.4). (refer Table 2B)
- As occurred with age-adjusted death rates, the age-specific death rates for males were consistently much higher than those for females. (refer Table 2C)
- Among males of both races, the highest age-specific death rates were among the younger (ages 15-29) and the older (ages 75+) residents. (refer Table 2C)
- Even though the age-specific rates among the elderly (ages 75+) were much higher for males, the number of elderly female deaths was relatively close to those for elderly males. This is due to the fact that there are many more elderly women than men. (refer Table 2C)
- Approximately one third (or 2,590) of the 7,787 deaths during 2000-2004 due to motor vehicle accidents occurred among residents between the ages of 15 and 29. Another 14% were to residents aged 75 and older. (refer Table 2C)
- About one half (34) of the 67 counties in the state had average annual age-adjusted death rates for motor vehicle accidents that were considered significantly higher than the corresponding state rate for the five-year period of 2000-2004. (refer Table 2D)
- Many of the 34 counties with rates significantly higher than the state were rural with relatively small populations. (refer Table 2D)
- Eight mostly urban or suburban counties (Allegheny, Beaver, Chester, Cumberland Delaware, Montgomery, Northampton, and Philadelphia) had average annual age-adjusted death rates for 2000-2004 that were considered significantly lower than the corresponding state rate. (refer Table 2D)

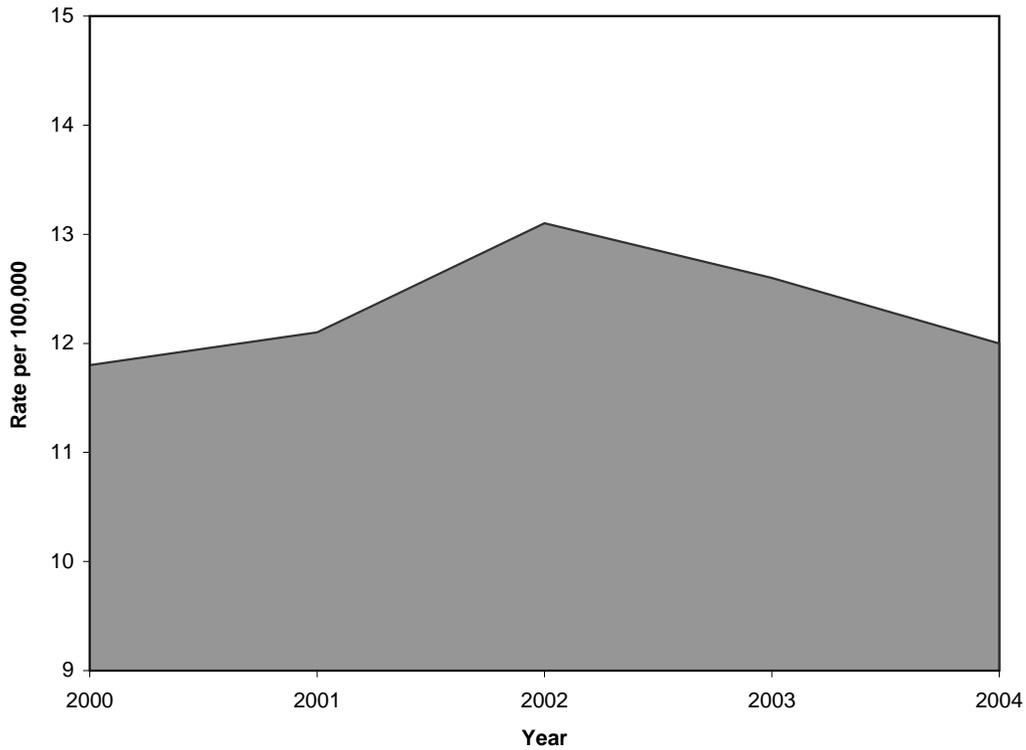
**HIGHEST AGE-ADJUSTED DEATH RATES:
Males; mostly rural counties (Table 2B and Table 2D)**

**HIGHEST AGE-SPECIFIC DEATH RATES:
Young (ages 15-29) and elderly (ages 75+) males (Table 2C)**

**TABLE 2A: MOTOR VEHICLE ACCIDENTS
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	NO.	RATE
2000	1,473	11.8
2001	1,526	12.1
2002	1,650	13.1
2003	1,598	12.6
2004	1,540	12.0

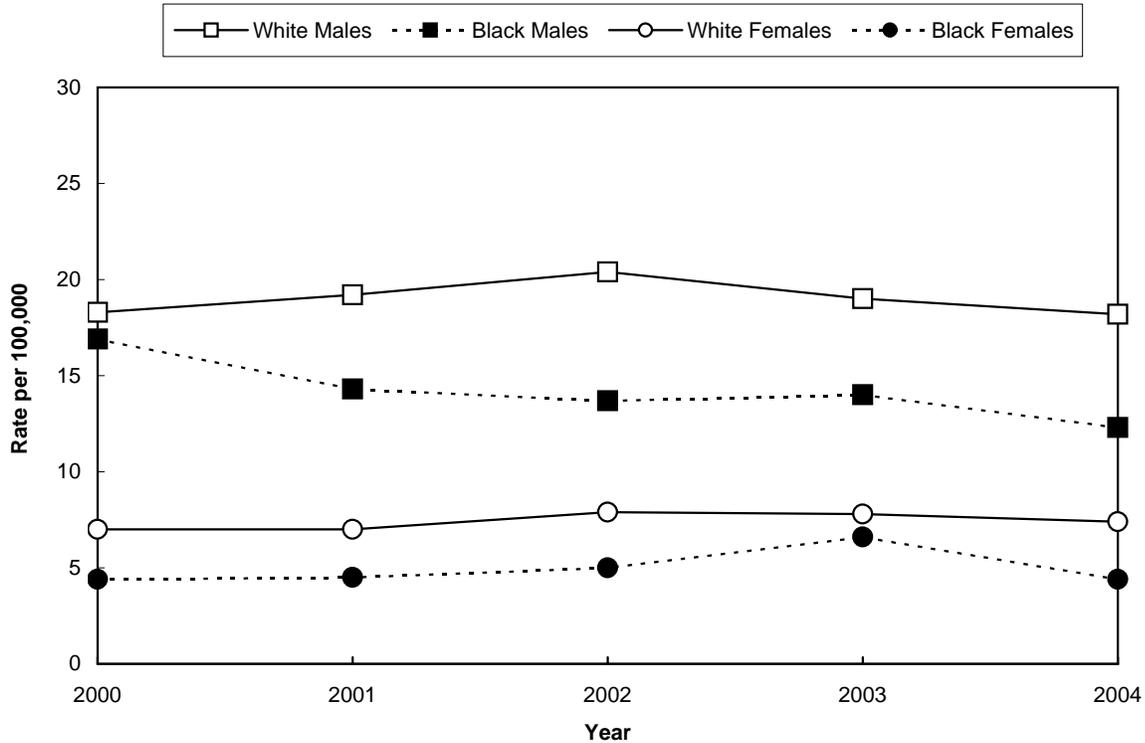
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.



**TABLE 2B: MOTOR VEHICLE ACCIDENTS
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	MALES						FEMALES					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
2000	1,030	17.6	921	18.3	94	16.9	443	6.6	406	7.0	28	4.4
2001	1,075	18.1	977	19.2	79	14.3	451	6.7	408	7.0	29	4.5
2002	1,145	19.3	1,052	20.4	78	13.7	505	7.5	465	7.9	33	5.0
2003	1,091	18.1	994	19.0	84	14.0	507	7.5	459	7.8	43	6.6
2004	1,052	17.3	965	18.2	74	12.3	488	7.0	449	7.4	30	4.4

NOTES: Age-Adjusted rates are computed by the direct method using the 2000 U.S. standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.



**TABLE 2C: MOTOR VEHICLE ACCIDENTS
TOTAL NUMBER OF DEATHS AND AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

AGE GROUP	ALL DEATHS NO. RATE		MALES						FEMALES					
			ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE		ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE	
TOTAL ***	7,787	12.6	5,393	18.1	4,909	19.1	409	13.7	2,394	7.5	2,187	8.0	163	4.9
< 5	92	2.5	51	2.7	36	2.4	15	6.0	41	2.3	33	2.3	7	2.9
5-9	93	2.3	56	2.7	46	2.8	9	3.2	37	1.9	27	1.7	8	3.0
10-14	127	3.0	77	3.5	65	3.6	12	4.1	50	2.4	43	2.6	6	2.1
15-19	991	22.3	706	31.3	654	35.0	40	14.5	285	13.0	271	14.9	11	4.1
20-24	994	25.2	766	38.4	683	41.5	65	27.2	228	11.7	207	12.9	14	5.8
25-29	605	16.9	469	26.0	405	27.3	55	26.1	136	7.6	124	8.5	10	4.6
30-34	501	12.6	381	19.3	339	20.4	39	18.4	120	6.0	106	6.4	11	4.8
35-39	565	12.5	416	18.7	373	19.4	35	15.8	149	6.5	134	6.9	11	4.4
40-44	592	12.2	444	18.5	418	19.9	23	10.4	148	6.0	127	6.0	19	7.6
45-49	521	11.2	376	16.4	344	16.9	30	15.4	145	6.2	133	6.5	11	4.9
50-54	433	10.4	312	15.3	285	15.6	21	13.2	121	5.7	111	5.9	7	3.7
55-59	335	9.9	235	14.3	210	14.2	22	18.3	100	5.7	90	5.7	7	4.6
60-64	291	10.6	191	14.7	182	15.4	7	7.6	100	6.9	91	7.0	7	5.7
65-69	258	10.6	150	13.5	137	13.5	12	16.0	108	8.1	99	8.2	8	7.4
70-74	304	13.0	187	18.5	177	18.9	6	9.8	117	8.8	108	8.9	5	5.2
75-79	426	20.7	222	26.8	214	27.7	7	15.1	204	16.5	192	16.8	9	11.4
80-84	343	23.4	176	32.9	169	33.7	5	18.1	167	17.9	160	18.4	7	12.8
85 +	311	25.5	174	50.6	169	52.4	5	28.8	137	15.6	131	16.0	5	10.0

*** Unknowns included in totals.

NOTES: Rates are per 100,000 population (2000-2004) for each specified group.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical notes.

**FIGURE 2A: MOTOR VEHICLE ACCIDENTS
 AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES
 BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2000-2004**

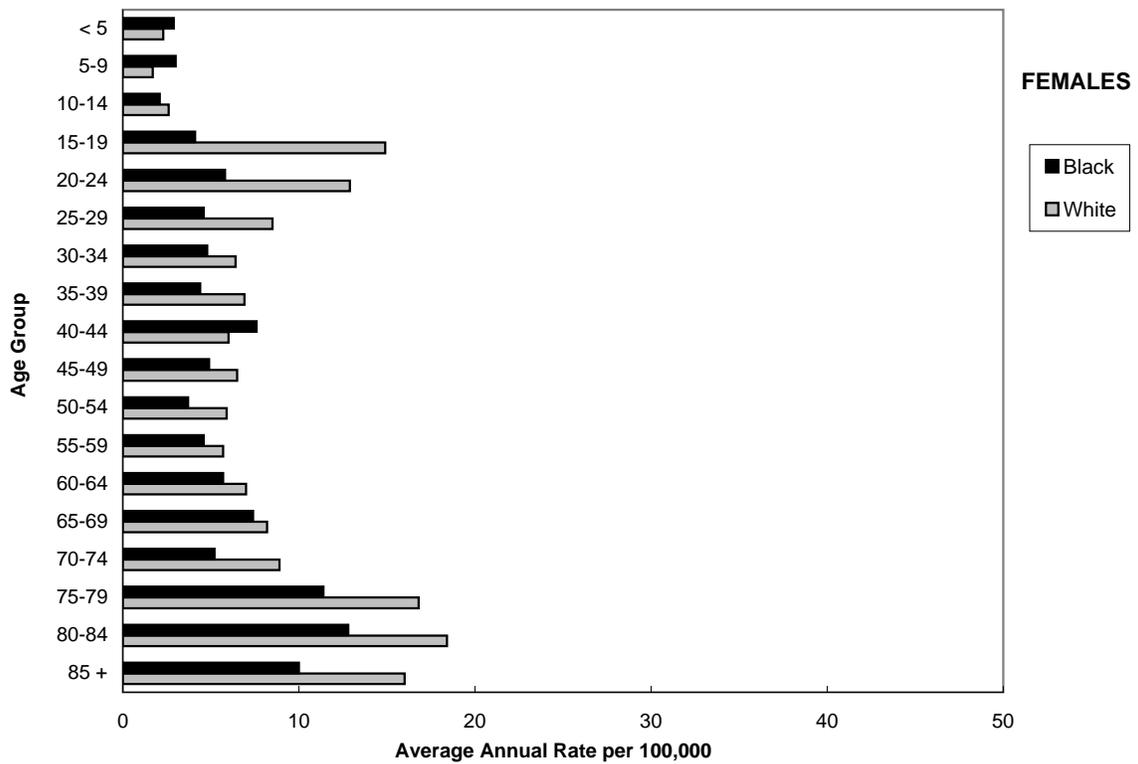
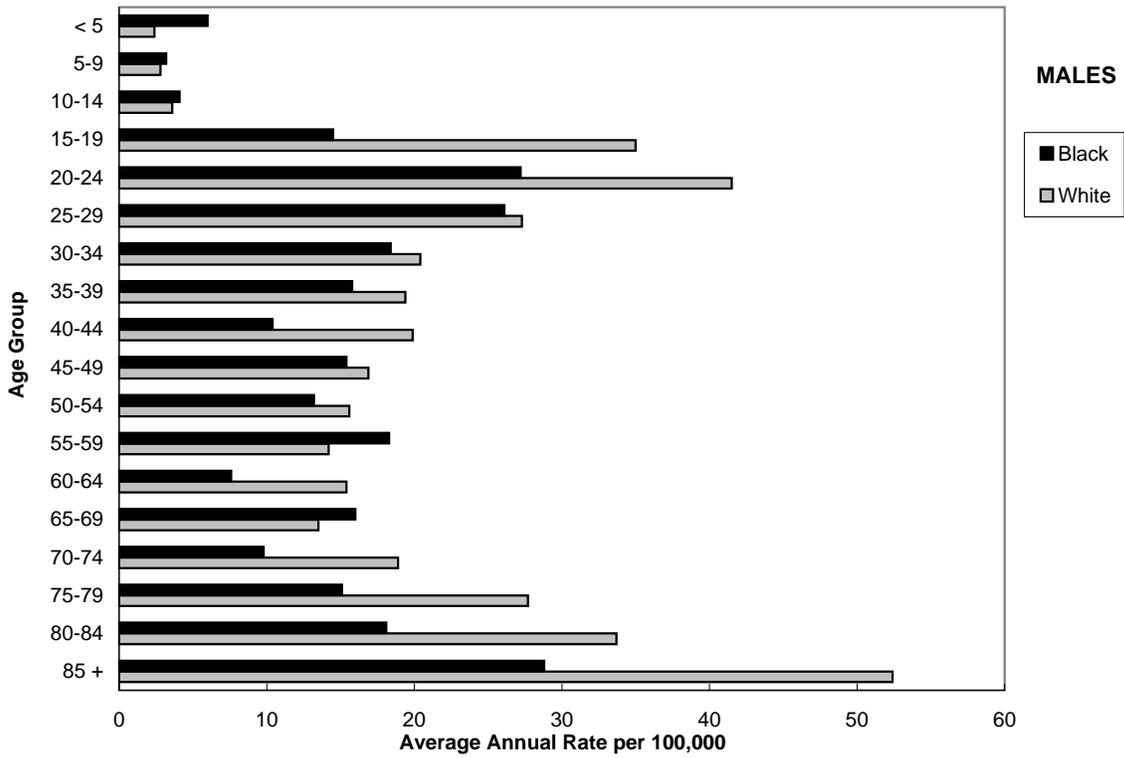
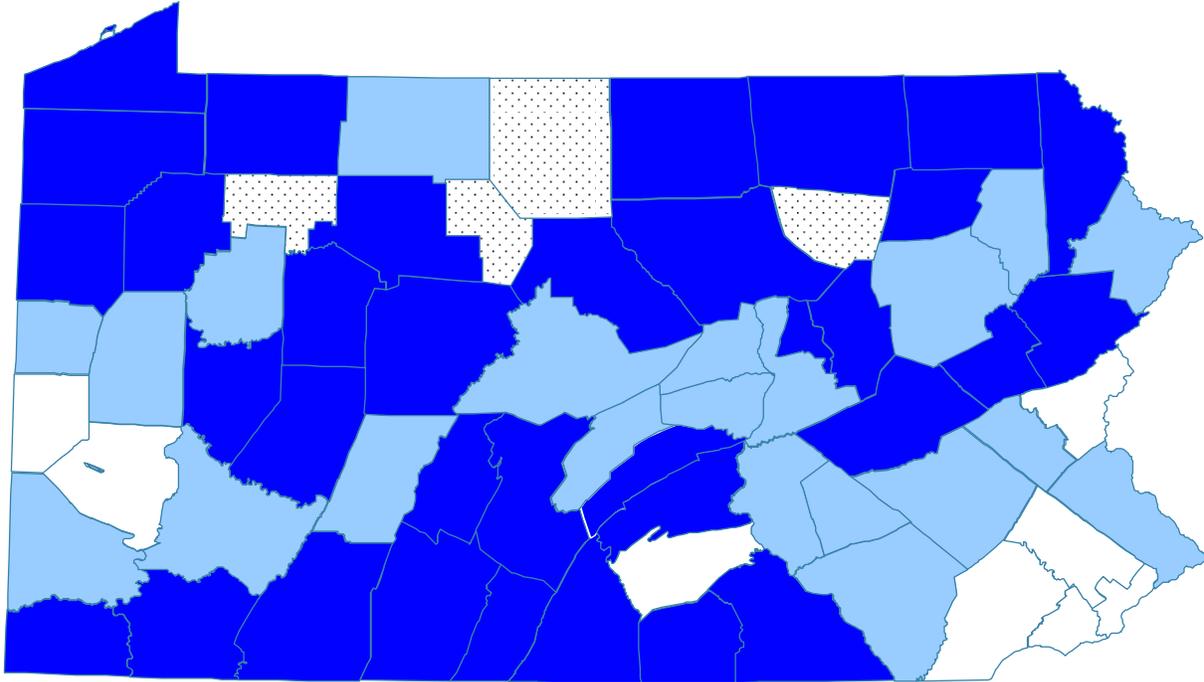


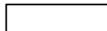
TABLE 2D: MOTOR VEHICLE ACCIDENTS
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004

County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Adams	90	18.8	14.92-22.68 +	Lackawanna	122	11.4	9.38-13.42
Allegheny	485	7.3	6.65-7.95 -	Lancaster	297	12.3	10.90-13.70
Armstrong	67	18.4	13.99-22.81 +	Lawrence	69	14.2	10.85-17.55
Beaver	94	9.6	7.66-11.54 -	Lebanon	78	12.4	9.65-15.15
Bedford	75	30.6	23.67-37.53 +	Lehigh	179	11.0	9.39-12.61
Berks	263	13.5	11.87-15.13	Luzerne	222	13.7	11.90-15.50
Blair	113	17.5	14.27-20.73 +	Lycoming	99	16.2	13.01-19.39 +
Bradford	63	20.6	15.51-25.69 +	McKean	34	14.9	9.89-19.91
Bucks	333	11.3	10.09-12.51	Mercer	103	16.9	13.64-20.16 +
Butler	132	14.8	12.28-17.32	Mifflin	29	13.7	8.71-18.69
Cambria	105	13.2	10.68-15.72	Monroe	157	21.6	18.22-24.98 +
Cameron	7	18.8		Montgomery	331	8.7	7.76-9.64 -
Carbon	63	21.1	15.89-26.31 +	Montour	21	23.0	13.16-32.84 +
Centre	76	11.3	8.76-13.84	Northampton	136	9.5	7.90-11.10 -
Chester	231	10.5	9.15-11.85 -	Northumberland	70	14.6	11.18-18.02
Clarion	38	17.9	12.21-23.59	Perry	57	26.0	19.25-32.75 +
Clearfield	93	22.0	17.53-26.47 +	Philadelphia	650	8.6	7.94-9.26 -
Clinton	40	20.1	13.87-26.33 +	Pike	38	15.4	10.50-20.30
Columbia	62	18.8	14.12-23.48 +	Potter	11	12.6	
Crawford	97	21.2	16.98-25.42 +	Schuylkill	170	22.6	19.20-26.00 +
Cumberland	117	10.3	8.43-12.17 -	Snyder	30	16.0	10.27-21.73
Dauphin	159	12.5	10.56-14.44	Somerset	77	19.5	15.14-23.86 +
Delaware	209	7.3	6.31-8.29 -	Sullivan	11	39.0	
Elk	47	28.4	20.28-36.52 +	Susquehanna	51	25.0	18.14-31.86 +
Erie	210	14.3	12.37-16.23 +	Tioga	40	18.5	12.77-24.23 +
Fayette	123	17.2	14.16-20.24 +	Union	39	17.1	11.73-22.47
Forest	7	31.3		Venango	62	21.7	16.30-27.10 +
Franklin	120	17.7	14.53-20.87 +	Warren	45	22.0	15.57-28.43 +
Fulton	24	32.9	19.74-46.06 +	Washington	120	11.6	9.52-13.68
Greene	54	26.0	19.07-32.93 +	Wayne	68	27.4	20.89-33.91 +
Huntingdon	45	19.2	13.59-24.81 +	Westmoreland	236	12.7	11.08-14.32
Indiana	91	19.5	15.49-23.51 +	Wyoming	34	23.8	15.80-31.80 +
Jefferson	50	21.3	15.40-27.20 +	York	289	15.3	13.54-17.06 +
Juniata	29	26.6	16.92-36.28 +				
				Pennsylvania	7,787	12.3	12.03-12.57

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**FIGURE 2B: MOTOR VEHICLE ACCIDENTS
AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS
BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004**



- | | |
|---|--|
|  Significantly lower than the state |  Not significantly higher or lower than the state |
|  Significantly higher than the state |  Less than 20 events - statistically unreliable |

**TABLE 2E: MOTOR VEHICLE ACCIDENTS
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY COUNTY
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	7,787	1,303	4,837	1,642					
Adams	90	19	58	13	Lackawanna	122	22	75	25
Allegheny	485	56	307	121	Lancaster	297	62	176	59
Armstrong	67	10	42	15	Lawrence	69	12	39	18
Beaver	94	5	58	31	Lebanon	78	15	44	19
Bedford	75	17	42	16	Lehigh	179	35	98	46
Berks	263	42	153	68	Luzerne	222	24	152	45
Blair	113	19	72	22	Lycoming	99	21	62	16
Bradford	63	12	38	13	McKean	34	7	20	7
Bucks	333	51	210	72	Mercer	103	21	59	23
Butler	132	24	85	23	Mifflin	29	3	24	2
Cambria	105	12	70	23	Monroe	157	26	108	23
Cameron	7	0	2	5	Montgomery	331	44	198	89
Carbon	63	11	41	11	Montour	21	6	10	5
Centre	76	13	46	17	Northampton	136	24	81	31
Chester	231	45	138	47	Northumberland	70	9	47	14
Clarion	38	11	21	6	Perry	57	13	39	5
Clearfield	93	20	51	22	Philadelphia	650	100	418	130
Clinton	40	11	24	5	Pike	38	8	22	8
Columbia	62	15	38	9	Potter	11	3	7	1
Crawford	97	12	67	18	Schuylkill	170	24	111	35
Cumberland	117	23	67	27	Snyder	30	2	22	6
Dauphin	159	24	100	35	Somerset	77	15	48	14
Delaware	209	20	136	53	Sullivan	11	1	9	1
Elk	47	7	32	8	Susquehanna	51	12	33	6
Erie	210	52	114	44	Tioga	40	8	20	12
Fayette	123	19	85	19	Union	39	12	19	8
Forest	7	0	6	1	Venango	62	11	40	11
Franklin	120	24	64	32	Warren	45	10	26	9
Fulton	24	1	19	4	Washington	120	20	79	21
Greene	54	6	39	9	Wayne	68	12	36	20
Huntingdon	45	11	29	5	Westmoreland	236	25	158	53
Indiana	91	19	53	19	Wyoming	34	6	20	8
Jefferson	50	12	28	10	York	289	59	186	44
Juniata	29	8	16	5					

* Unknown age included in totals.

NOTE: Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

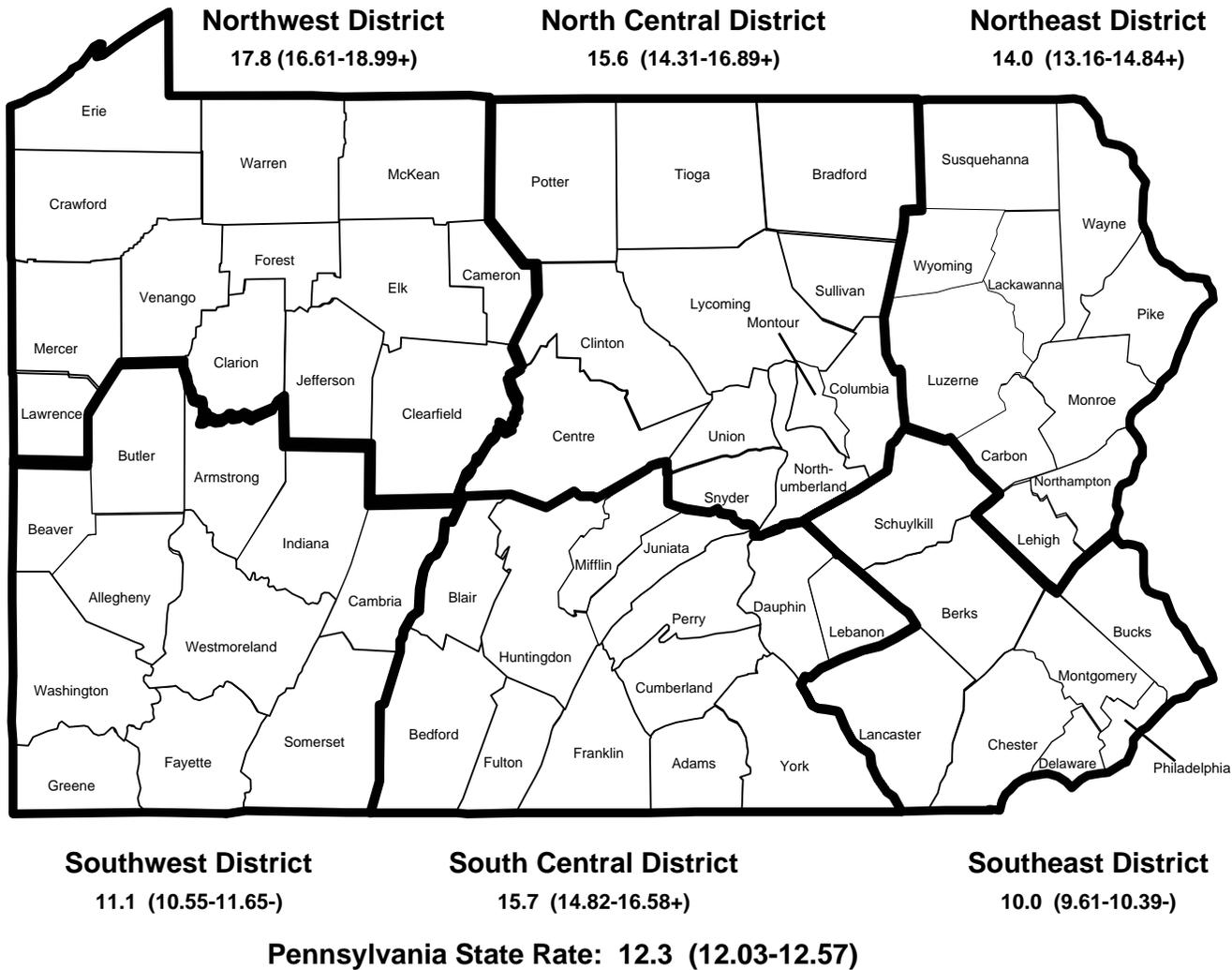
TABLE 2F: MOTOR VEHICLE ACCIDENTS
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY HEALTH DISTRICT, PENNSYLVANIA RESIDENTS, 2000-2004

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northwest	862	17.8	16.61-18.99 +	Southwest	1,584	11.1	10.55-11.65 -
Cameron	7	18.8		Allegheny	485	7.3	6.65-7.95 -
Clarion	38	17.9	12.21-23.59	Armstrong	67	18.4	13.99-22.81 +
Clearfield	93	22.0	17.53-26.47 +	Beaver	94	9.6	7.66-11.54 -
Crawford	97	21.2	16.98-25.42 +	Butler	132	14.8	12.28-17.32
Elk	47	28.4	20.28-36.52 +	Cambria	105	13.2	10.68-15.72
Erie	210	14.3	12.37-16.23 +	Fayette	123	17.2	14.16-20.24 +
Forest	7	31.3		Greene	54	26.0	19.07-32.93 +
Jefferson	50	21.3	15.40-27.20 +	Indiana	91	19.5	15.49-23.51 +
Lawrence	69	14.2	10.85-17.55	Somerset	77	19.5	15.14-23.86 +
McKean	34	14.9	9.89-19.91	Washington	120	11.6	9.52-13.68
Mercer	103	16.9	13.64-20.16 +	Westmoreland	236	12.7	11.08-14.32
Venango	62	21.7	16.30-27.10 +				
Warren	45	22.0	15.57-28.43 +				
North Central	562	15.6	14.31-16.89 +	South Central	1,225	15.7	14.82-16.58 +
Bradford	63	20.6	15.51-25.69 +	Adams	90	18.8	14.92-22.68 +
Centre	76	11.3	8.76-13.84	Bedford	75	30.6	23.67-37.53 +
Clinton	40	20.1	13.87-26.33 +	Blair	113	17.5	14.27-20.73 +
Columbia	62	18.8	14.12-23.48 +	Cumberland	117	10.3	8.43-12.17 -
Lycoming	99	16.2	13.01-19.39 +	Dauphin	159	12.5	10.56-14.44
Montour	21	23.0	13.16-32.84 +	Franklin	120	17.7	14.53-20.87 +
Northumberland	70	14.6	11.18-18.02	Fulton	24	32.9	19.74-46.06 +
Potter	11	12.6		Huntingdon	45	19.2	13.59-24.81 +
Snyder	30	16.0	10.27-21.73	Juniata	29	26.6	16.92-36.28 +
Sullivan	11	39.0		Lebanon	78	12.4	9.65-15.15
Tioga	40	18.5	12.77-24.23 +	Mifflin	29	13.7	8.71-18.69
Union	39	17.1	11.73-22.47	Perry	57	26.0	19.25-32.75 +
				York	289	15.3	13.54-17.06 +
Northeast	1,070	14.0	13.16-14.84 +	Southeast	2,484	10.0	9.61-10.39 -
Carbon	63	21.1	15.89-26.31 +	Berks	263	13.5	11.87-15.13
Lackawanna	122	11.4	9.38-13.42	Bucks	333	11.3	10.09-12.51
Lehigh	179	11.0	9.39-12.61	Chester	231	10.5	9.15-11.85 -
Luzerne	222	13.7	11.90-15.50	Delaware	209	7.3	6.31-8.29 -
Monroe	157	21.6	18.22-24.98 +	Lancaster	297	12.3	10.90-13.70
Northampton	136	9.5	7.90-11.10 -	Montgomery	331	8.7	7.76-9.64 -
Pike	38	15.4	10.50-20.30	Philadelphia	650	8.6	7.94-9.26 -
Susquehanna	51	25.0	18.14-31.86 +	Schuylkill	170	22.6	19.20-26.00 +
Wayne	68	27.4	20.89-33.91 +				
Wyoming	34	23.8	15.80-31.80 +				
				Pennsylvania	7,787	12.3	12.03-12.57

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes
 See Technical Notes.

**AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS
 FIGURE 2C: MOTOR VEHICLE ACCIDENTS
 Pennsylvania Health Districts and Counties, 2000-2004**



NOTE: A + or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**TABLE 2G: MOTOR VEHICLE ACCIDENTS
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY HEALTH DISTRICT
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	7,787	1,303	4,837	1,642					
Northwest	862	175	505	182	Southwest	1,584	211	1,024	348
Cameron	7	0	2	5	Allegheny	485	56	307	121
Clarion	38	11	21	6	Armstrong	67	10	42	15
Clearfield	93	20	51	22	Beaver	94	5	58	31
Crawford	97	12	67	18	Butler	132	24	85	23
Elk	47	7	32	8	Cambria	105	12	70	23
Erie	210	52	114	44	Fayette	123	19	85	19
Forest	7	0	6	1	Greene	54	6	39	9
Jefferson	50	12	28	10	Indiana	91	19	53	19
Lawrence	69	12	39	18	Somerset	77	15	48	14
McKean	34	7	20	7	Washington	120	20	79	21
Mercer	103	21	59	23	Westmoreland	236	25	158	53
Venango	62	11	40	11					
Warren	45	10	26	9					
North Central	562	113	342	107	South Central	1,225	236	760	229
Bradford	63	12	38	13	Adams	90	19	58	13
Centre	76	13	46	17	Bedford	75	17	42	16
Clinton	40	11	24	5	Blair	113	19	72	22
Columbia	62	15	38	9	Cumberland	117	23	67	27
Lycoming	99	21	62	16	Dauphin	159	24	100	35
Montour	21	6	10	5	Franklin	120	24	64	32
Northumberland	70	9	47	14	Fulton	24	1	19	4
Potter	11	3	7	1	Huntingdon	45	11	29	5
Snyder	30	2	22	6	Juniata	29	8	16	5
Sullivan	11	1	9	1	Lebanon	78	15	44	19
Tioga	40	8	20	12	Mifflin	29	3	24	2
Union	39	12	19	8	Perry	57	13	39	5
					York	289	59	186	44
Northeast	1,070	180	666	223	Southeast	2,484	388	1,540	553
Carbon	63	11	41	11	Berks	263	42	153	68
Lackawanna	122	22	75	25	Bucks	333	51	210	72
Lehigh	179	35	98	46	Chester	231	45	138	47
Luzerne	222	24	152	45	Delaware	209	20	136	53
Monroe	157	26	108	23	Lancaster	297	62	176	59
Northampton	136	24	81	31	Montgomery	331	44	198	89
Pike	38	8	22	8	Philadelphia	650	100	418	130
Susquehanna	51	12	33	6	Schuylkill	170	24	111	35
Wayne	68	12	36	20					
Wyoming	34	6	20	8					

NOTE: * Unknowns included in totals.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

DRUG POISONING

- Drug poisoning includes all deaths of unintentional, intentional, and undetermined intent caused by exposure to drugs. Excludes poisoning by alcohol, organic solvents, gases and vapors, pesticides, and certain other chemicals. (see technical notes)
- The number of drug poisoning deaths has generally been on the increase since 2000. There were 1,520 resident deaths in 2004, 61% more than the 942 that were reported for 2001. The 2004 number and age-adjusted rate (12.6) of drug poisoning deaths were the highest recorded during this five-year period. (refer Table 3A)
- The age-adjusted death rates for drug poisoning among white males have been on the increase between 2000 and 2004. Even though the rates for black males have been lower in recent years, they still remained the highest rates among the four sex/race groups. (refer Table 3B)
- The 2004 age-adjusted death rate for black males was 20.8 per 100,000. In comparison, the second highest 2004 rate was among white males at 17.6. (refer Table 3B)
- Among white females, age-adjusted rates have been consistently increasing in the past three years. There have also been increases in the rates among black females for the past several years. (refer Table 3B)
- The average annual age-specific death rates for 2000-2004 were highest for black males in almost every age group past age 30. White males had the highest rates for the ages under 30, especially those 20-24 (27.3) and 25-29 (23.8). (refer Table 3C)
- The age-specific death rates for black males began rising with the age group 20-24 and stayed high through the age group 65-69. The highest rates occurred within the age groups between 40 and 54. (refer Table 3C)
- White males and females experienced their highest age-specific death rates in the age groups between 20 and 49. For black females, the highest age-specific death rates occurred for age groups between 30 and 54. (refer Table 3C)
- The highest age-specific death rate for white females was 15.4 per 100,000 for those aged 40-44. In comparison, the highest rate for black females was 25.1 (ages 40-44); for white males, 30.8 (ages 40-44); and for black males 58.6 (ages 45-49). (refer Table 3C)
- The vast majority of drug poisoning deaths during 2000-2004 occurred among those aged 20-54 years. They accounted for 5,334 or 89% of the 6,015 deaths reported over that five-year period. (refer Table 3C)
- Six counties (Allegheny, Cambria, Delaware, Lackawanna, Luzerne, and Philadelphia) had average annual age-adjusted death rates for 2000-2004 that were significantly higher than the corresponding state rate. (refer Table 3D)
- About 26% , or 1,552 of all the 6,015 drug poisoning deaths during 2000-2004, were to Philadelphia residents. (refer Table 3D)

Note: The coding definitions for drug poisoning have been altered since previous versions of this report were published. Certain frequency counts and rates may not match previous reports. See technical notes for more information.

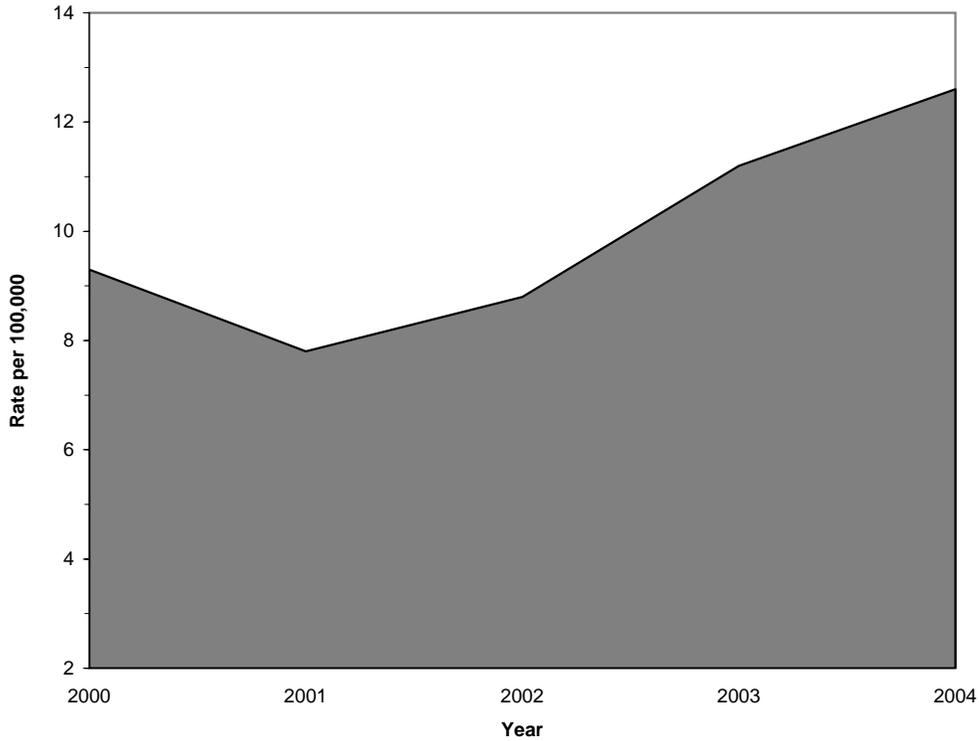
**HIGHEST AGE-ADJUSTED DEATH RATES:
Black males; Urban counties (Table 3A and Table 3D)**

**HIGHEST AGE-SPECIFIC DEATH RATES:
Black males (Table 3C)**

**TABLE 3A: DRUG POISONING
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	NO.	RATE
2000	1,129	9.3
2001	942	7.8
2002	1,066	8.8
2003	1,358	11.2
2004	1,520	12.6

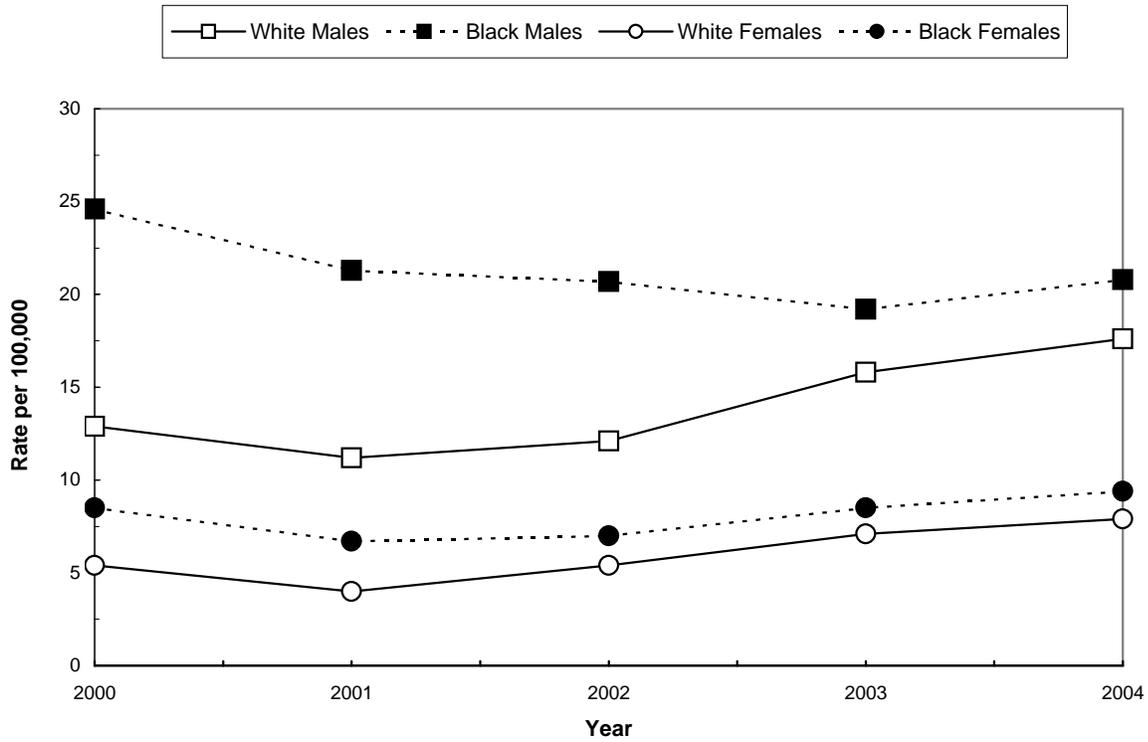
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2000-2004 based on ICD-10 death codes. See Technical Notes.



**TABLE 3B: DRUG POISONING
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	MALES						FEMALES					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
2000	783	13.2	653	12.9	129	24.6	346	5.5	292	5.4	53	8.5
2001	684	11.6	566	11.2	113	21.3	258	4.1	216	4.0	41	6.7
2002	730	12.3	617	12.1	113	20.7	336	5.4	291	5.4	44	7.0
2003	923	15.5	812	15.8	108	19.2	434	7.0	376	7.1	54	8.5
2004	1,033	17.3	910	17.6	117	20.8	487	7.9	425	7.9	60	9.4

NOTES: Age-Adjusted rates are computed by the direct method using the 2000 U.S. standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.



**TABLE 3C: DRUG POISONING
TOTAL NUMBER OF DEATHS AND AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

AGE GROUP	ALL DEATHS NO. RATE		MALES						FEMALES						
			ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE		ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE		
TOTAL ***	6,015	9.8	4,153	13.9	3	558	13.8	580	19.4	1,861	5.8	1,600	5.8	252	7.6
< 5	5	0.1	3	0.2		1	0.1	2	0.8	2	0.1	1	0.1	1	0.4
5-9	2	0.1	1	0.0		1	0.1	0	-	1	0.1	0	-	1	0.4
10-14	3	0.1	2	0.1		2	0.1	0	-	1	0.0	1	0.1	0	-
15-19	197	4.4	145	6.4		137	7.3	5	1.8	52	2.4	50	2.8	1	0.4
20-24	581	14.7	468	23.5		449	27.3	18	7.5	113	5.8	104	6.5	7	2.9
25-29	490	13.7	385	21.4		353	23.8	31	14.7	105	5.9	97	6.7	7	3.2
30-34	628	15.8	459	23.2		391	23.5	67	31.7	169	8.5	143	8.6	26	11.3
35-39	951	21.1	634	28.4		539	28.1	92	41.5	317	13.9	260	13.4	55	22.1
40-44	1,145	23.6	756	31.6		645	30.8	107	48.5	389	15.9	326	15.4	63	25.1
45-49	958	20.6	661	28.8		546	26.9	114	58.6	297	12.6	244	11.8	52	23.0
50-54	581	14.0	384	18.8		298	16.3	86	54.1	197	9.3	173	9.2	24	12.6
55-59	195	5.7	122	7.4		91	6.2	31	25.9	73	4.1	62	4.0	11	7.3
60-64	80	2.9	46	3.5		30	2.5	15	16.2	33	2.3	32	2.5	1	0.8
65-69	45	1.8	23	2.1		15	1.5	8	10.7	22	1.6	20	1.7	1	0.9
70-74	39	1.7	19	1.9		17	1.8	2	3.3	20	1.5	18	1.5	1	1.0
75-79	35	1.7	16	1.9		14	1.8	2	4.3	19	1.5	19	1.7	0	-
80-84	31	2.1	12	2.2		12	2.4	0	-	19	2.0	19	2.2	0	-
85 +	48	3.9	16	4.7		16	5.0	0	-	32	3.6	31	3.8	1	2.0

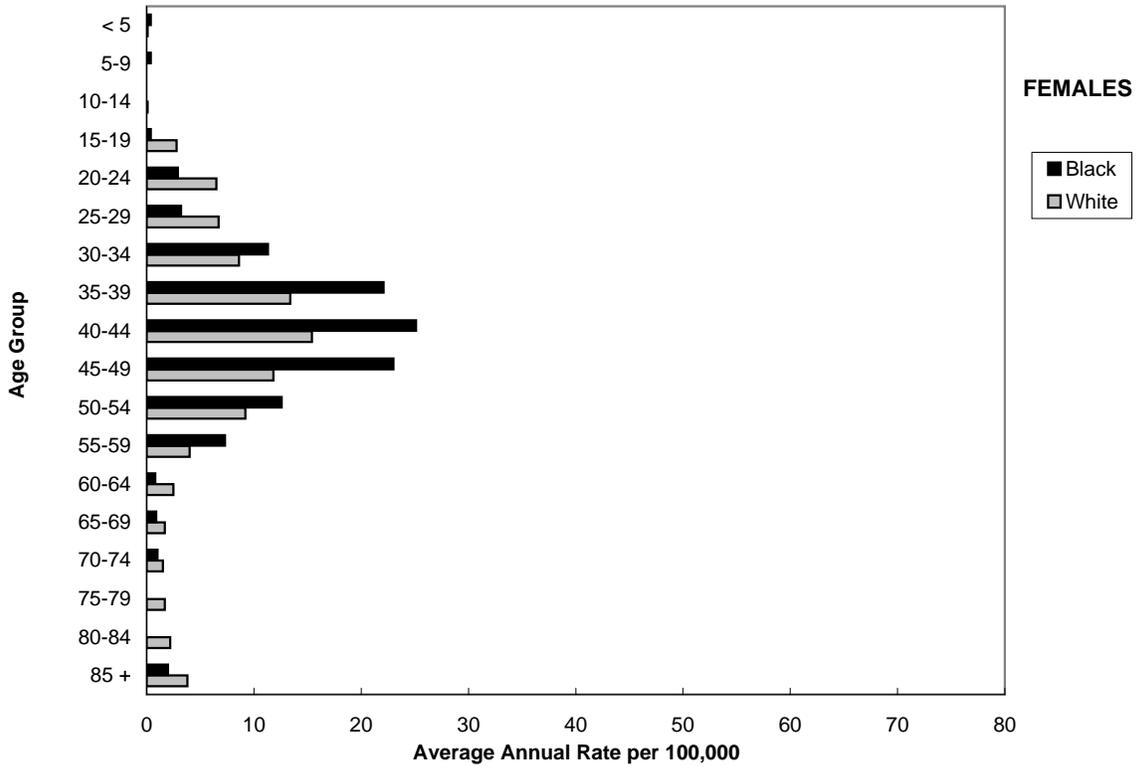
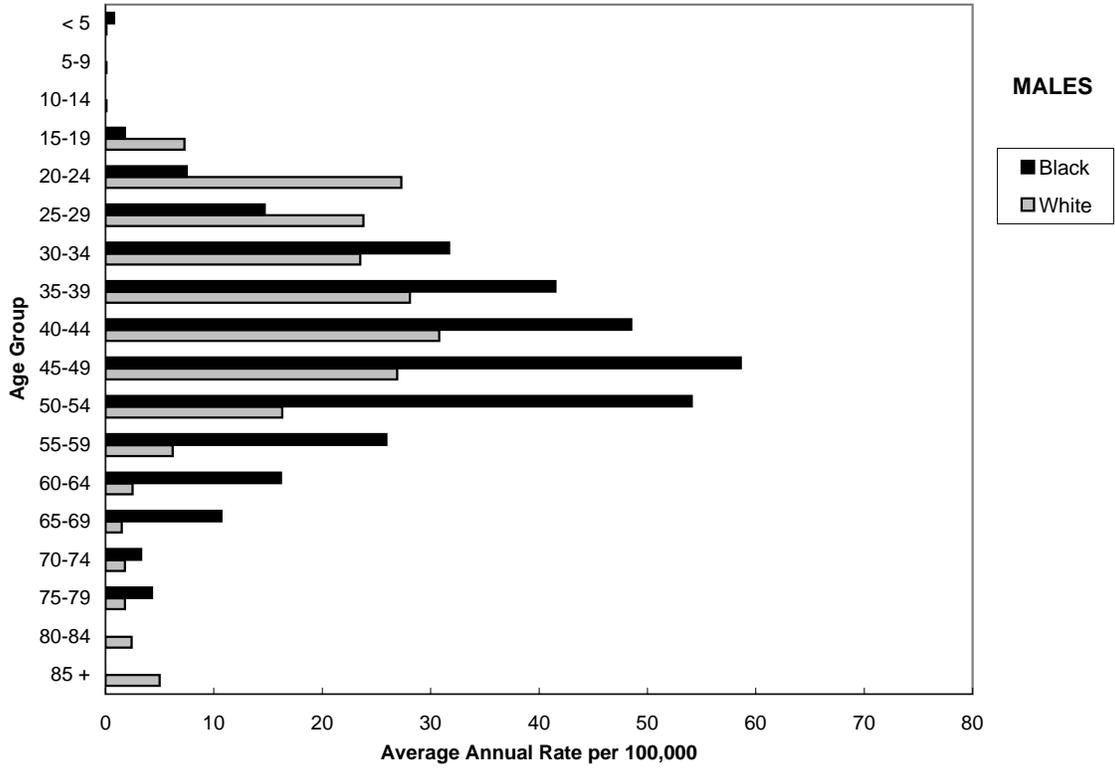
*** Unknowns included in totals.

NOTES: Rates are per 100,000 population (2000-2004) for each specified group.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

**FIGURE 3A: DRUG POISONING
AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES
BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2000-2004**



**TABLE 3D: DRUG POISONING
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004**

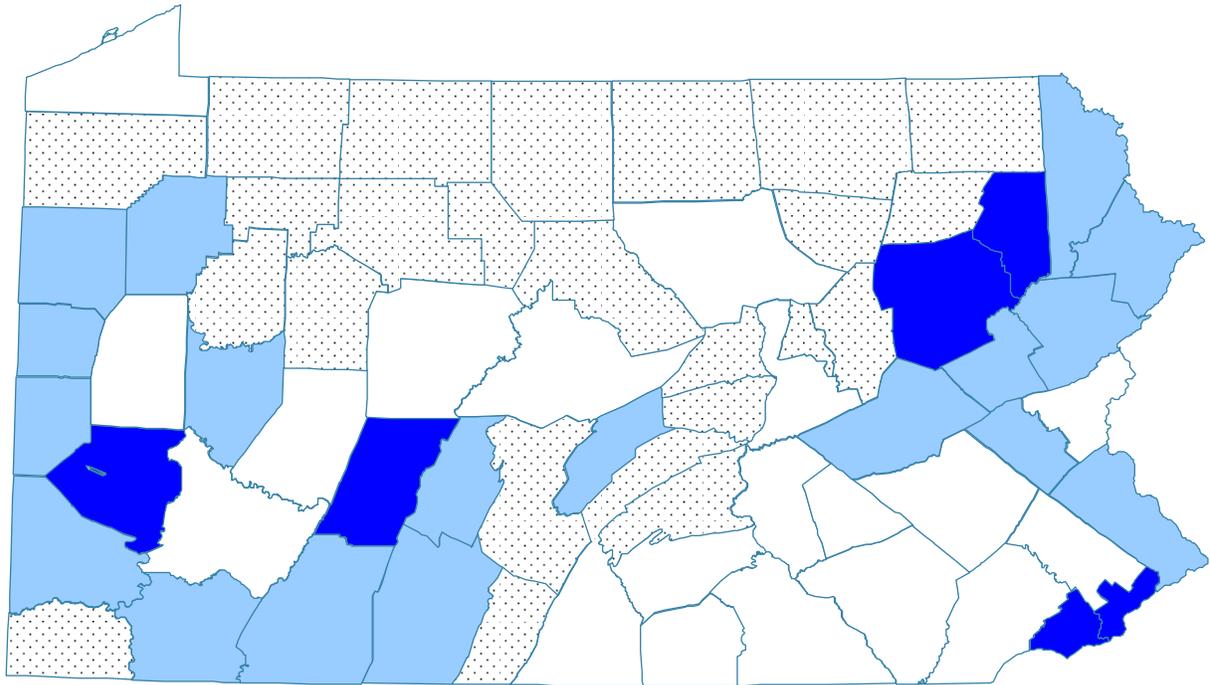
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Adams	27	5.9	3.67-8.13 -	Lackawanna	148	15.1	12.67-17.53 +
Allegheny	783	12.5	11.62-13.38 +	Lancaster	135	5.9	4.90-6.90 -
Armstrong	26	7.7	4.74-10.66	Lawrence	44	10.2	7.19-13.21
Beaver	81	9.6	7.51-11.69	Lebanon	34	5.8	3.85-7.75 -
Bedford	29	12.7	8.08-17.32	Lehigh	147	9.5	7.96-11.04
Berks	113	6.0	4.89-7.11 -	Luzerne	208	14.1	12.18-16.02 +
Blair	74	12.0	9.27-14.73	Lycoming	20	3.2	1.80-4.60 -
Bradford	6	2.1		McKean	18	8.3	
Bucks	288	9.5	8.40-10.60	Mercer	60	10.6	7.92-13.28
Butler	62	7.1	5.33-8.87 -	Mifflin	28	13.3	8.37-18.23
Cambria	96	13.3	10.64-15.96 +	Monroe	72	9.2	7.07-11.33
Cameron	0	-		Montgomery	300	7.9	7.01-8.79 -
Carbon	24	8.6	5.16-12.04	Montour	6	6.8	
Centre	32	5.5	3.59-7.41 -	Northampton	89	6.6	5.23-7.97 -
Chester	112	5.0	4.07-5.93 -	Northumberland	32	7.4	4.84-9.96 -
Clarion	6	3.5		Perry	11	5.2	
Clearfield	28	6.9	4.34-9.46 -	Philadelphia	1,552	22.0	20.91-23.09 +
Clinton	7	3.6		Pike	20	8.3	4.66-11.94
Columbia	16	5.0		Potter	3	3.1	
Crawford	12	2.7		Schuylkill	74	10.2	7.88-12.52
Cumberland	43	3.9	2.73-5.07 -	Snyder	4	2.2	
Dauphin	77	6.1	4.74-7.46 -	Somerset	33	8.6	5.67-11.53
Delaware	309	11.4	10.13-12.67 +	Sullivan	1	3.7	
Elk	9	5.4		Susquehanna	11	5.4	
Erie	108	7.9	6.41-9.39 -	Tioga	6	2.9	
Fayette	66	9.6	7.28-11.92	Union	9	3.9	
Forest	2	6.3		Venango	28	10.2	6.42-13.98
Franklin	29	4.6	2.93-6.27 -	Warren	9	4.5	
Fulton	2	2.8		Washington	94	9.7	7.74-11.66
Greene	12	5.6		Wayne	28	12.5	7.87-17.13
Huntingdon	9	3.8		Westmoreland	124	7.1	5.85-8.35 -
Indiana	23	5.3	3.13-7.47 -	Wyoming	13	9.5	
Jefferson	13	5.6		York	125	6.4	5.28-7.52 -
Juniata	5	4.6					
				Pennsylvania	6,015	10.0	9.75-10.25

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

**FIGURE 3B: DRUG POISONING
AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS
BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004**



 Significantly lower than the state	 Not significantly higher or lower than the state
 Significantly higher than the state	 Less than 20 events - statistically unreliable

**TABLE 3E: DRUG POISONING
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY COUNTY
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	6,015	207	5,609	198					
Adams	27	2	25	0	Lackawanna	148	10	134	4
Allegheny	783	16	742	25	Lancaster	135	5	125	5
Armstrong	26	4	21	1	Lawrence	44	1	42	1
Beaver	81	3	74	4	Lebanon	34	0	32	2
Bedford	29	1	27	1	Lehigh	147	5	140	2
Berks	113	2	109	2	Luzerne	208	9	196	3
Blair	74	1	66	7	Lycoming	20	1	17	2
Bradford	6	0	5	1	McKean	18	2	16	0
Bucks	288	14	263	11	Mercer	60	4	51	5
Butler	62	5	55	2	Mifflin	28	1	26	1
Cambria	96	5	89	2	Monroe	72	1	69	2
Cameron	0	0	0	0	Montgomery	300	11	274	15
Carbon	24	1	22	1	Montour	6	0	6	0
Centre	32	0	30	2	Northampton	89	2	82	5
Chester	112	7	95	10	Northumberland	32	1	30	1
Clarion	6	0	6	0	Perry	11	1	9	1
Clearfield	28	2	26	0	Philadelphia	1,552	48	1,480	24
Clinton	7	0	7	0	Pike	20	0	20	0
Columbia	16	2	14	0	Potter	3	0	2	1
Crawford	12	0	11	1	Schuylkill	74	2	68	4
Cumberland	43	0	37	6	Snyder	4	0	4	0
Dauphin	77	2	74	1	Somerset	33	2	28	3
Delaware	309	14	287	7	Sullivan	1	0	1	0
Elk	9	0	9	0	Susquehanna	11	0	9	2
Erie	108	1	100	7	Tioga	6	0	5	1
Fayette	66	2	63	1	Union	9	1	7	1
Forest	2	0	2	0	Venango	28	1	27	0
Franklin	29	1	26	2	Warren	9	2	6	1
Fulton	2	0	2	0	Washington	94	2	90	2
Greene	12	0	10	2	Wayne	28	0	28	0
Huntingdon	9	0	7	2	Westmoreland	124	4	116	4
Indiana	23	0	23	0	Wyoming	13	0	13	0
Jefferson	13	1	12	0	York	125	5	113	7
Juniata	5	0	4	1					

* Unknown age included in totals.

NOTE: Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

TABLE 3F: DRUG POISONING
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY HEALTH DISTRICT, PENNSYLVANIA RESIDENTS, 2000-2004

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northwest	337	7.4	6.61-8.19 -	Southwest	1,400	10.4	9.86-10.94
Cameron	0	-		Allegheny	783	12.5	11.62-13.38 +
Clarion	6	3.5		Armstrong	26	7.7	4.74-10.66
Clearfield	28	6.9	4.34-9.46 -	Beaver	81	9.6	7.51-11.69
Crawford	12	2.7		Butler	62	7.1	5.33-8.87 -
Elk	9	5.4		Cambria	96	13.3	10.64-15.96 +
Erie	108	7.9	6.41-9.39 -	Fayette	66	9.6	7.28-11.92
Forest	2	6.3		Greene	12	5.6	
Jefferson	13	5.6		Indiana	23	5.3	3.13-7.47 -
Lawrence	44	10.2	7.19-13.21	Somerset	33	8.6	5.67-11.53
McKean	18	8.3		Washington	94	9.7	7.74-11.66
Mercer	60	10.6	7.92-13.28	Westmoreland	124	7.1	5.85-8.35 -
Venango	28	10.2	6.42-13.98				
Warren	9	4.5					
North Central	142	4.2	3.51-4.89 -	South Central	493	6.4	5.84-6.96 -
Bradford	6	2.1		Adams	27	5.9	3.67-8.13 -
Centre	32	5.5	3.59-7.41 -	Bedford	29	12.7	8.08-17.32
Clinton	7	3.6		Blair	74	12.0	9.27-14.73
Columbia	16	5.0		Cumberland	43	3.9	2.73-5.07 -
Lycoming	20	3.2	1.80-4.60 -	Dauphin	77	6.1	4.74-7.46 -
Montour	6	6.8		Franklin	29	4.6	2.93-6.27 -
Northumberland	32	7.4	4.84-9.96 -	Fulton	2	2.8	
Potter	3	3.1		Huntingdon	9	3.8	
Snyder	4	2.2		Juniata	5	4.6	
Sullivan	1	3.7		Lebanon	34	5.8	3.85-7.75 -
Tioga	6	2.9		Mifflin	28	13.3	8.37-18.23
Union	9	3.9		Perry	11	5.2	
				York	125	6.4	5.28-7.52 -
Northeast	760	10.5	9.75-11.25	Southeast	2,883	12.0	11.56-12.44 +
Carbon	24	8.6	5.16-12.04	Berks	113	6.0	4.89-7.11 -
Lackawanna	148	15.1	12.67-17.53 +	Bucks	288	9.5	8.40-10.60
Lehigh	147	9.5	7.96-11.04	Chester	112	5.0	4.07-5.93 -
Luzerne	208	14.1	12.18-16.02 +	Delaware	309	11.4	10.13-12.67 +
Monroe	72	9.2	7.07-11.33	Lancaster	135	5.9	4.90-6.90 -
Northampton	89	6.6	5.23-7.97 -	Montgomery	300	7.9	7.01-8.79 -
Pike	20	8.3	4.66-11.94	Philadelphia	1,552	22.0	20.91-23.09 +
Susquehanna	11	5.4		Schuylkill	74	10.2	7.88-12.52
Wayne	28	12.5	7.87-17.13				
Wyoming	13	9.5					
				Pennsylvania	6,015	10.0	9.75-10.25

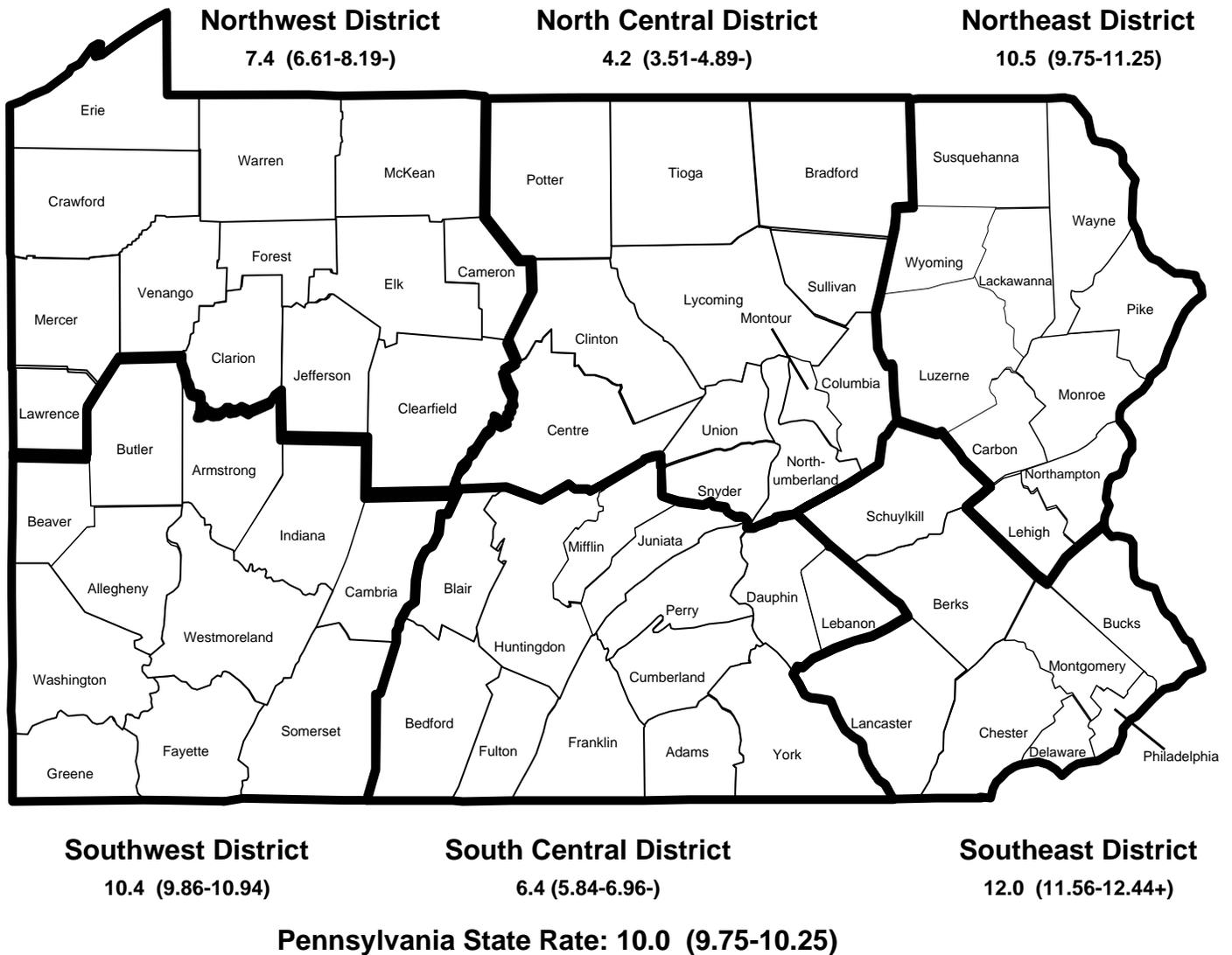
NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes
 See Technical Notes.

AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS

FIGURE 3C: DRUG POISONING

Pennsylvania Health Districts and Counties, 2000-2004



NOTE: A + or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**TABLE 3G: DRUG POISONING
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY HEALTH DISTRICT
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	6,015	207	5,609	198					
Northwest	337	14	308	15	Southwest	1,400	43	1,311	46
Cameron	0	0	0	0	Allegheny	783	16	742	25
Clarion	6	0	6	0	Armstrong	26	4	21	1
Clearfield	28	2	26	0	Beaver	81	3	74	4
Crawford	12	0	11	1	Butler	62	5	55	2
Elk	9	0	9	0	Cambria	96	5	89	2
Erie	108	1	100	7	Fayette	66	2	63	1
Forest	2	0	2	0	Greene	12	0	10	2
Jefferson	13	1	12	0	Indiana	23	0	23	0
Lawrence	44	1	42	1	Somerset	33	2	28	3
McKean	18	2	16	0	Washington	94	2	90	2
Mercer	60	4	51	5	Westmoreland	124	4	116	4
Venango	28	1	27	0					
Warren	9	2	6	1					
North Central	142	5	128	9	South Central	493	14	448	31
Bradford	6	0	5	1	Adams	27	2	25	0
Centre	32	0	30	2	Bedford	29	1	27	1
Clinton	7	0	7	0	Blair	74	1	66	7
Columbia	16	2	14	0	Cumberland	43	0	37	6
Lycoming	20	1	17	2	Dauphin	77	2	74	1
Montour	6	0	6	0	Franklin	29	1	26	2
Northumberland	32	1	30	1	Fulton	2	0	2	0
Potter	3	0	2	1	Huntingdon	9	0	7	2
Snyder	4	0	4	0	Juniata	5	0	4	1
Sullivan	1	0	1	0	Lebanon	34	0	32	2
Tioga	6	0	5	1	Mifflin	28	1	26	1
Union	9	1	7	1	Perry	11	1	9	1
					York	125	5	113	7
Northeast	760	28	713	19	Southeast	2,883	103	2,701	78
Carbon	24	1	22	1	Berks	113	2	109	2
Lackawanna	148	10	134	4	Bucks	288	14	263	11
Lehigh	147	5	140	2	Chester	112	7	95	10
Luzerne	208	9	196	3	Delaware	309	14	287	7
Monroe	72	1	69	2	Lancaster	135	5	125	5
Northampton	89	2	82	5	Montgomery	300	11	274	15
Pike	20	0	20	0	Philadelphia	1,552	48	1,480	24
Susquehanna	11	0	9	2	Schuylkill	74	2	68	4
Wayne	28	0	28	0					
Wyoming	13	0	13	0					

NOTE: * Unknowns included in totals.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

FALLS AND FALL-RELATED INJURIES

- Falls and fall-related injuries include deaths of unintentional, intentional, and undetermined intent caused by falls. Excludes falls from animals and burning structures and falls into water where drowning is the primary cause of death. (see technical notes)
- The number of resident deaths due to falls and fall-related injuries was 1,025 in 2004 – 297 more deaths than the 728 reported for 2001. The annual age-adjusted death rate has been on the rise in recent years. (refer Table 4A)
- Males consistently had higher annual age-adjusted death rates than females between 2000 and 2004. (refer Table 4B)
- The annual age-adjusted death rates for white males have increased since 2000. Among white females, the age-adjusted death rates have increased slightly in recent years. The reliability of the age-adjusted death rates among black males and black females is questionable due to the small number of deaths. (refer Table 4B)
- The age-specific death rates rose sharply with the increase of age among all four sex/race groups for 2000-2004. (refer Table 4C)
- The highest age-specific death rates occurred among males for almost all of the age groups. (refer Table 4C)
- Even though the age-specific death rates were higher for males aged 80 and older than for females, the number of female deaths for these ages were much higher than for males. This is due to the fact that there are many more elderly women than men. (refer Table 4C)
- Nearly 43% of the female deaths occurred among those aged 85 and older during 2000-2004, compared to 22% of male deaths. (refer Table 4C)
- Approximately 77% of the 4,177 deaths due to falls were among residents aged 65 and older during 2000-2004. (refer Table 4C)
- Less than 1% of all deaths due to falls were among young residents (under 20 years of age) in 2000 through 2004. (refer Table 4C)
- Eight counties (Allegheny, Bucks, Cambria, Delaware, Lehigh, Montgomery, Westmoreland, and York) had average annual age-adjusted death rates for 2000-2004 that were significantly higher than the equivalent state rate. (refer Table 4D)
- Eleven counties (Beaver, Chester, Cumberland, Lackawanna, Lancaster, Lebanon, Luzerne, Lycoming, Mercer, Monroe, and Northampton) had average annual age-adjusted death rates for 2000-2004 that were significantly lower than the corresponding state rate. (refer Table 4D)
- Twenty-nine counties out of 67 had less than 20 resident deaths each due to falls and fall-related injuries during the five-year period of 2000-2004. (refer Table 4D)

Note: The coding definitions for falls have been altered since previous versions of this report were published. Certain frequency counts and rates may not match previous reports. See technical notes for more information.

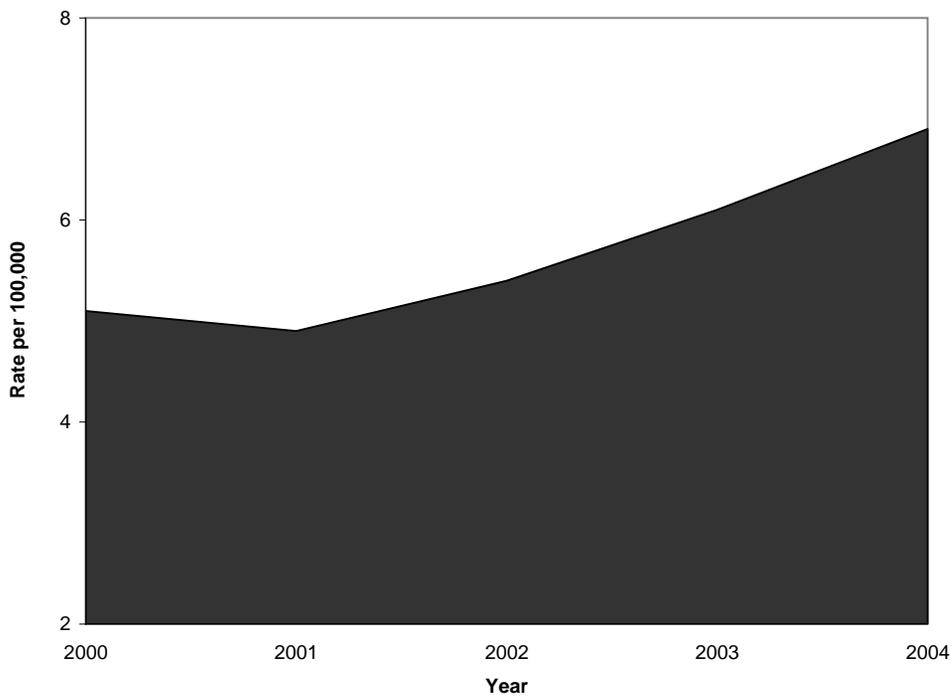
**HIGHEST AGE-ADJUSTED DEATH RATES:
Males (Table 4B)**

**HIGHEST AGE-SPECIFIC DEATH RATES:
Elderly residents aged 70 and older (Table 4C)**

**TABLE 4A: FALLS AND FALL RELATED INJURIES
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	NO.	RATE
2000	742	5.1
2001	728	4.9
2002	786	5.4
2003	896	6.1
2004	1,025	6.9

NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

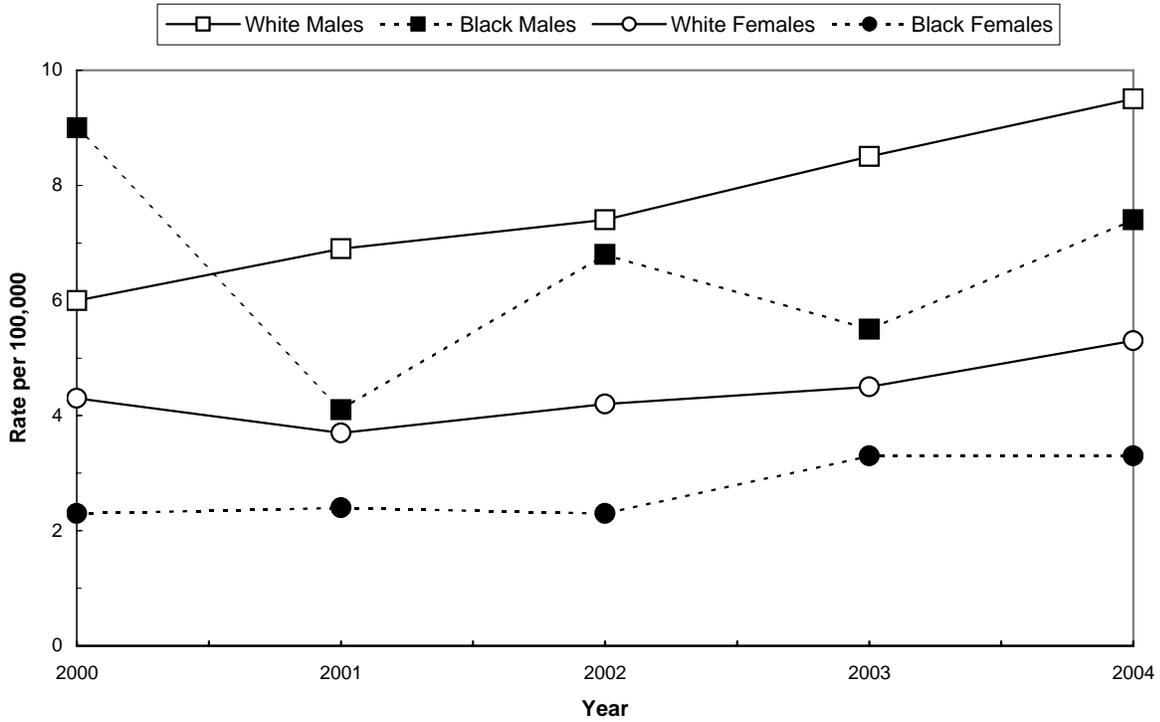


**National Healthy People 2010 Objective 15-27:
Reduce deaths from falls and fall-related injuries to no more than 3.0 per 100,000.**

**TABLE 4B: FALLS AND FALL RELATED INJURIES
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	MALES						FEMALES					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
2000	355	6.3	310	6.0	37	8.3	387	4.1	371	4.3	14	2.3
2001	385	6.6	364	6.9	17	3.6	343	3.6	327	3.7	15	2.4
2002	408	7.4	376	7.4	27	5.9	378	4.1	360	4.2	14	2.3
2003	471	8.3	440	8.5	27	4.7	425	4.5	401	4.5	21	3.3
2004	541	9.3	505	9.5	32	6.9	484	5.1	462	5.3	21	3.3

NOTES: Age-Adjusted rates are computed by the direct method using the 2000 U.S. standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.



**TABLE 4C: FALLS AND FALL RELATED INJURIES
TOTAL NUMBER OF DEATHS AND AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

AGE GROUP	ALL DEATHS NO. RATE		MALES						FEMALES					
			ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE		ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE	
TOTAL ***	4,177	6.8	2,160	7.2	1,995	7.8	140	4.7	2,017	6.3	1,921	7.0	85	2.6
< 5	12	0.3	8	0.4	6	0.4	2	0.8	4	0.2	4	0.3	0	-
5-9	3	0.1	2	0.1	2	0.1	0	-	1	0.1	1	0.1	0	-
10-14	5	0.1	3	0.1	3	0.2	0	-	2	0.1	1	0.1	1	0.4
15-19	19	0.4	15	0.7	13	0.7	1	0.4	4	0.2	4	0.2	0	-
20-24	50	1.3	40	2.0	36	2.2	3	1.3	10	0.5	9	0.6	1	0.4
25-29	40	1.1	34	1.9	27	1.8	4	1.9	6	0.3	5	0.3	1	0.5
30-34	40	1.0	32	1.6	26	1.6	4	1.9	8	0.4	6	0.4	2	0.9
35-39	69	1.5	52	2.3	46	2.4	5	2.3	17	0.7	15	0.8	1	0.4
40-44	116	2.4	87	3.6	76	3.6	8	3.6	29	1.2	23	1.1	5	2.0
45-49	134	2.9	104	4.5	93	4.6	9	4.6	30	1.3	25	1.2	4	1.8
50-54	160	3.8	122	6.0	99	5.4	23	14.5	38	1.8	33	1.8	4	2.1
55-59	137	4.0	100	6.1	84	5.7	13	10.8	37	2.1	32	2.0	5	3.3
60-64	165	6.0	112	8.6	96	8.1	13	14.1	53	3.7	50	3.9	3	2.4
65-69	209	8.5	121	10.9	107	10.5	13	17.3	88	6.6	75	6.2	12	11.1
70-74	362	15.5	216	21.3	196	20.9	17	27.7	146	11.0	141	11.6	3	3.1
75-79	553	26.8	285	34.4	280	36.2	5	10.8	268	21.7	257	22.5	11	13.9
80-84	759	51.7	346	64.7	337	67.2	8	29.0	413	44.3	399	45.9	12	22.0
85 +	1,344	110.1	481	139.9	468	145.1	12	69.1	863	98.4	841	102.7	20	39.9

*** Unknown age included in totals.

NOTES: Rates are per 100,000 population (1999-2003) for each specified group.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

**FIGURE 4A: FALLS AND FALL RELATED INJURIES
 AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES
 BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2000-2004**

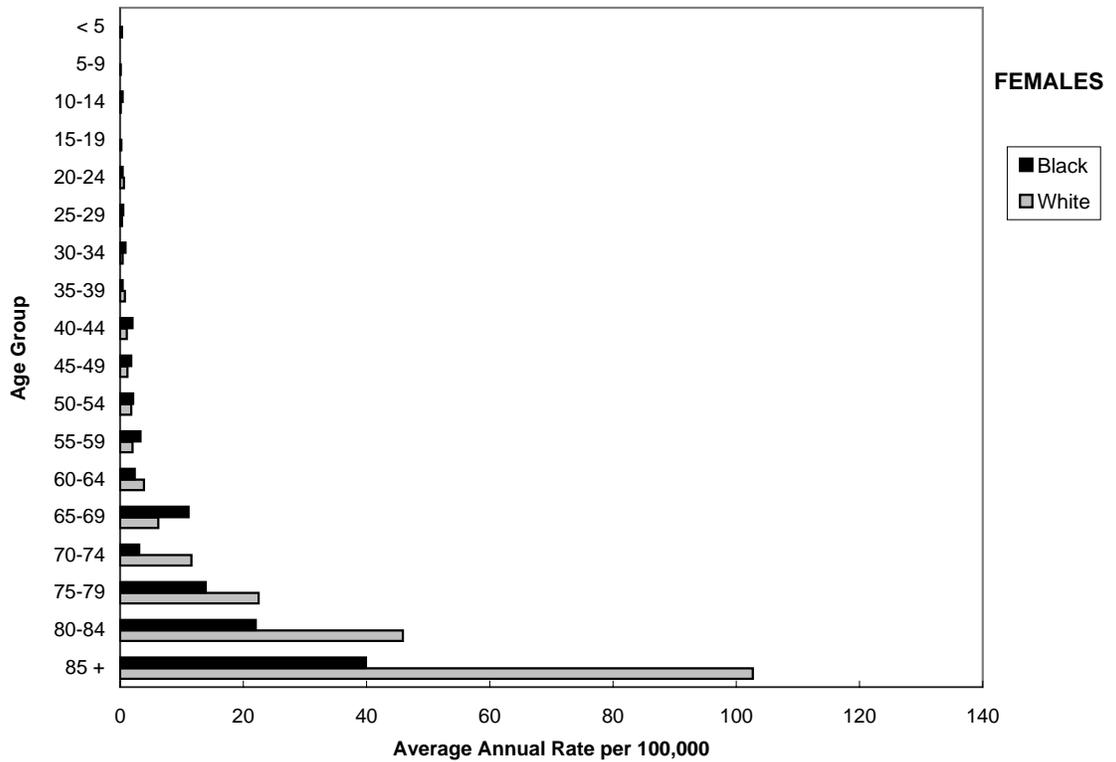
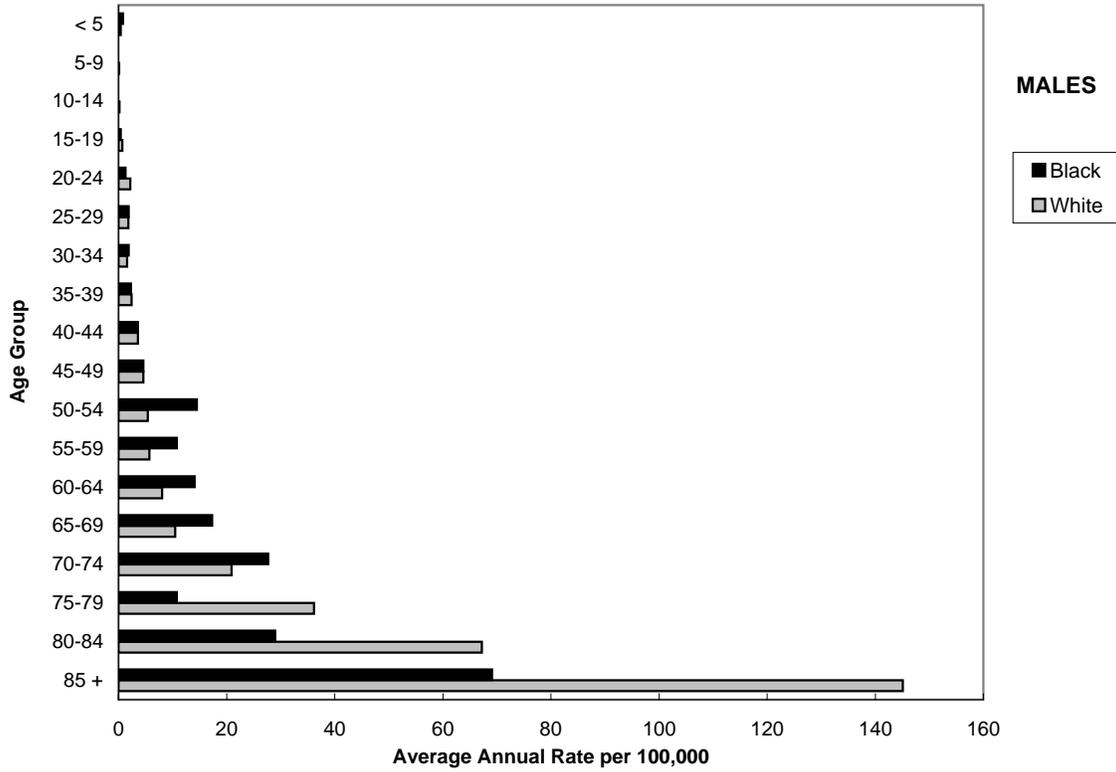


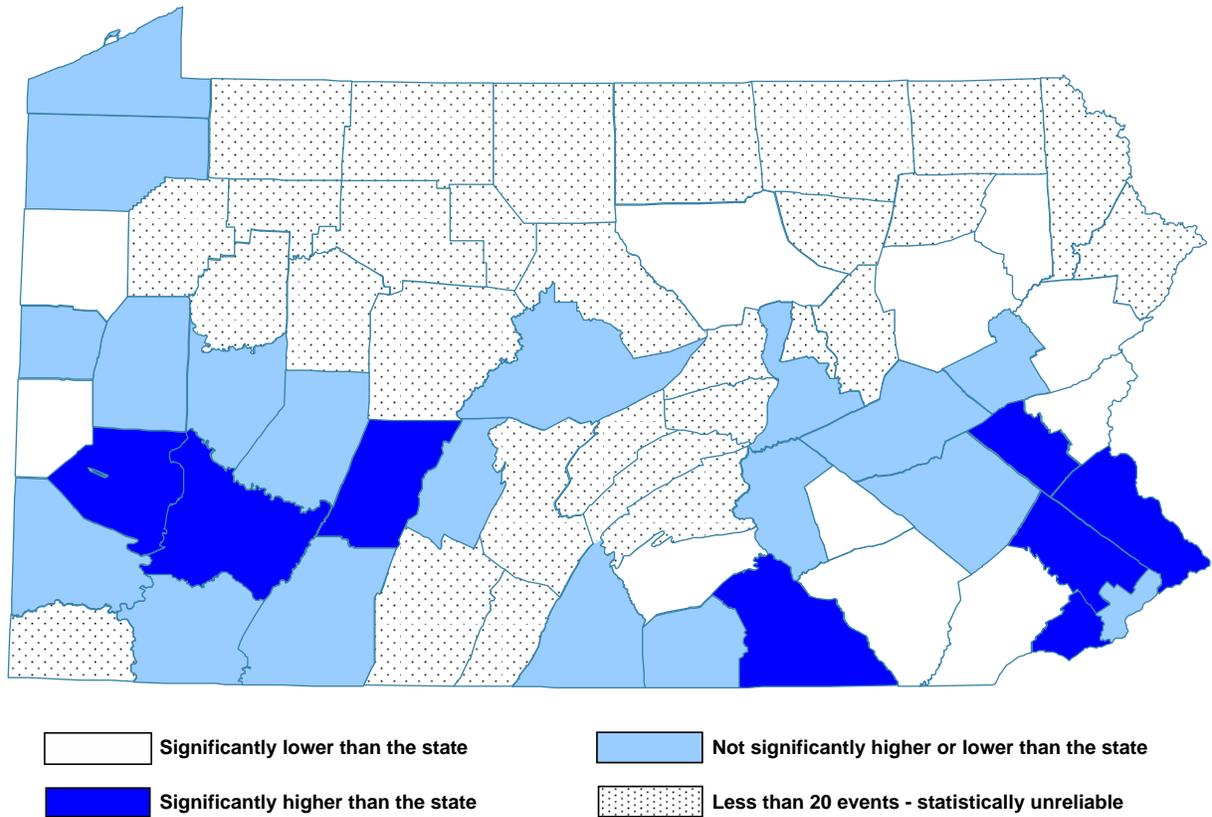
TABLE 4D: FALLS AND FALL RELATED INJURIES
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004

County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Adams	23	4.5	2.66-6.34	Lackawanna	59	4.2	3.13-5.27 -
Allegheny	563	6.6	6.05-7.15 +	Lancaster	102	3.9	3.14-4.66 -
Armstrong	23	4.9	2.90-6.90	Lawrence	30	4.7	3.02-6.38
Beaver	52	4.4	3.20-5.60 -	Lebanon	22	2.9	1.69-4.11 -
Bedford	12	4.0		Lehigh	166	8.5	7.21-9.79 +
Berks	104	4.8	3.88-5.72	Luzerne	68	3.1	2.36-3.84 -
Blair	49	5.8	4.18-7.42	Lycoming	24	3.5	2.10-4.90 -
Bradford	8	2.2		McKean	13	4.6	
Bucks	204	7.1	6.13-8.07 +	Mercer	25	3.2	1.95-4.45 -
Butler	48	4.6	3.30-5.90	Mifflin	15	4.9	
Cambria	82	7.7	6.03-9.37 +	Monroe	27	3.9	2.43-5.37 -
Cameron	1	3.2		Montgomery	373	8.2	7.37-9.03 +
Carbon	23	5.8	3.43-8.17	Montour	6	4.5	
Centre	30	5.2	3.34-7.06	Northampton	77	4.6	3.57-5.63 -
Chester	85	4.0	3.15-4.85 -	Northumberland	34	5.2	3.45-6.95
Clarion	12	5.1		Perry	6	2.9	
Clearfield	18	3.3		Philadelphia	454	5.7	5.18-6.22
Clinton	4	1.8		Pike	7	3.0	
Columbia	13	3.5		Potter	10	7.9	
Crawford	30	5.8	3.72-7.88	Schuylkill	50	4.6	3.32-5.88
Cumberland	56	4.5	3.32-5.68 -	Snyder	9	4.3	
Dauphin	73	5.3	4.08-6.52	Somerset	28	5.2	3.27-7.13
Delaware	238	7.1	6.20-8.00 +	Sullivan	0	-	
Elk	11	4.9		Susquehanna	9	3.7	
Erie	87	5.4	4.27-6.53	Tioga	10	3.7	
Fayette	48	4.9	3.51-6.29	Union	7	3.1	
Forest	1	2.3		Venango	17	4.8	
Franklin	41	5.1	3.54-6.66	Warren	14	5.1	
Fulton	4	5.0		Washington	82	6.0	4.70-7.30
Greene	8	3.4		Wayne	16	5.4	
Huntingdon	12	4.9		Westmoreland	174	6.8	5.79-7.81 +
Indiana	30	5.6	3.60-7.60	Wyoming	1	0.7	
Jefferson	11	3.6		York	229	11.1	9.66-12.54 +
Juniata	9	6.6					
				Pennsylvania	4,177	5.7	5.53-5.87

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**FIGURE 4B: FALLS AND FALL RELATED INJURIES
AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS
BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004**



**TABLE 4E: FALLS AND FALL RELATED INJURIES
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY COUNTY
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	4,177	39	911	3,227					
Adams	23	1	3	19	Lackawanna	59	0	19	40
Allegheny	563	4	120	439	Lancaster	102	2	26	74
Armstrong	23	0	7	16	Lawrence	30	1	7	22
Beaver	52	2	10	40	Lebanon	22	1	2	19
Bedford	12	1	4	7	Lehigh	166	0	34	132
Berks	104	2	29	73	Luzerne	68	1	23	44
Blair	49	0	10	39	Lycoming	24	1	7	16
Bradford	8	0	2	6	McKean	13	0	4	9
Bucks	204	2	38	164	Mercer	25	0	7	18
Butler	48	1	10	37	Mifflin	15	0	3	12
Cambria	82	1	20	61	Monroe	27	0	8	19
Cameron	1	0	1	0	Montgomery	373	1	44	328
Carbon	23	0	4	19	Montour	6	0	0	6
Centre	30	2	7	21	Northampton	77	0	14	63
Chester	85	3	25	57	Northumberland	34	1	4	29
Clarion	12	0	3	9	Perry	6	1	1	4
Clearfield	18	0	5	13	Philadelphia	454	4	156	294
Clinton	4	0	1	3	Pike	7	0	3	4
Columbia	13	0	5	8	Potter	10	0	0	10
Crawford	30	2	10	18	Schuylkill	50	0	9	41
Cumberland	56	1	10	45	Snyder	9	0	0	9
Dauphin	73	1	21	51	Somerset	28	0	6	22
Delaware	238	1	46	191	Sullivan	0	0	0	0
Elk	11	0	2	9	Susquehanna	9	0	2	7
Erie	87	0	16	71	Tioga	10	0	1	9
Fayette	48	0	13	35	Union	7	0	2	5
Forest	1	0	0	1	Venango	17	0	5	12
Franklin	41	0	6	35	Warren	14	0	2	12
Fulton	4	0	0	4	Washington	82	0	14	68
Greene	8	0	4	4	Wayne	16	0	8	8
Huntingdon	12	0	3	9	Westmoreland	174	0	17	157
Indiana	30	0	5	25	Wyoming	1	0	0	1
Jefferson	11	1	1	9	York	229	1	41	187
Juniata	9	0	1	8					

* Unknown age included in totals.

NOTE: Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

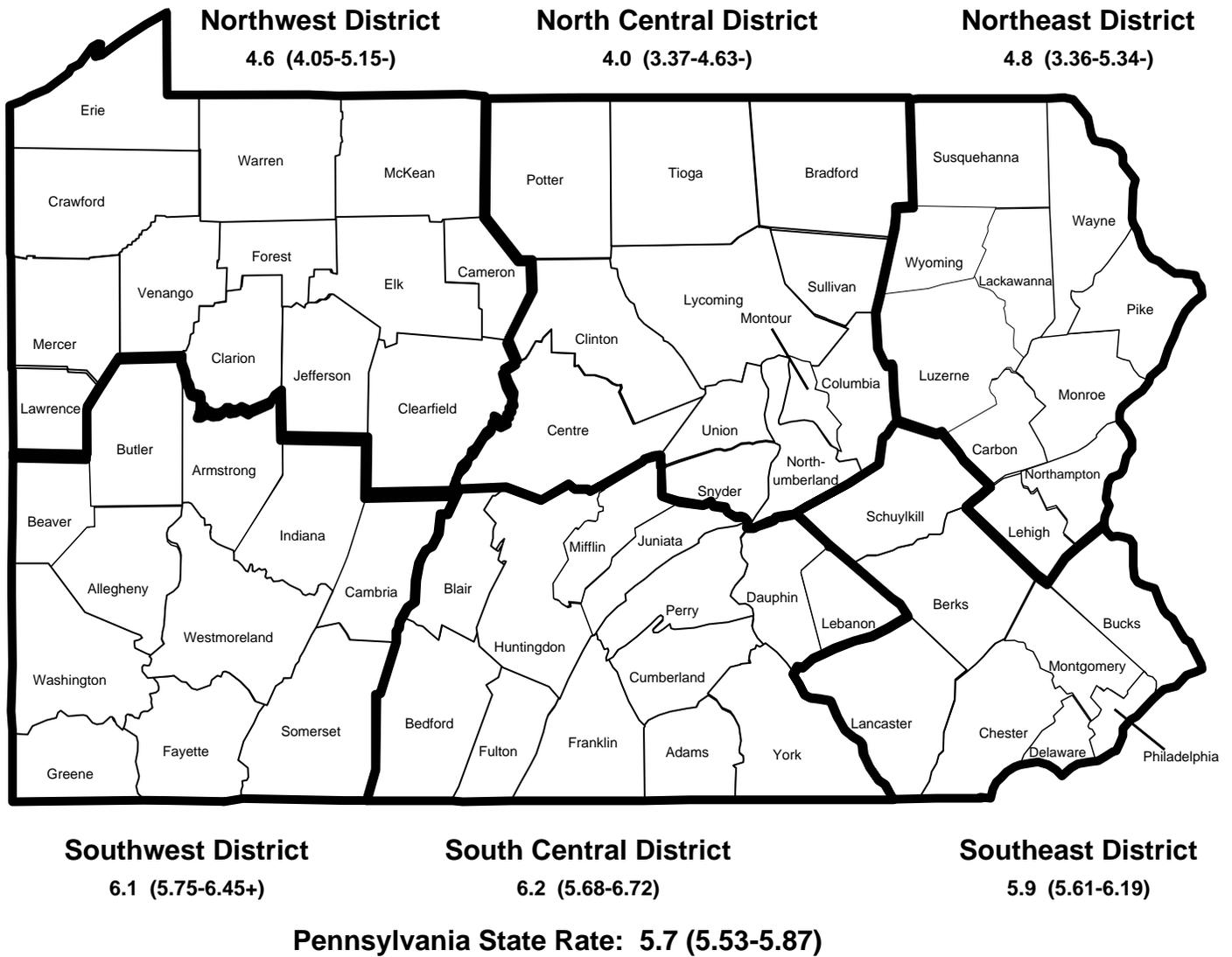
TABLE 4F: FALLS AND FALL RELATED INJURIES
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY HEALTH DISTRICT, PENNSYLVANIA RESIDENTS, 2000-2004

<u>District/County</u>	<u>No.</u>	<u>Rate</u>	<u>CI (95%)</u>	<u>District/County</u>	<u>No.</u>	<u>Rate</u>	<u>CI (95%)</u>
Northwest	270	4.6	4.05-5.15 -	Southwest	1,138	6.1	5.75-6.45 +
Cameron	1	3.2		Allegheny	563	6.6	6.05-7.15 +
Clarion	12	5.1		Armstrong	23	4.9	2.90-6.90
Clearfield	18	3.3		Beaver	52	4.4	3.20-5.60 -
Crawford	30	5.8	3.72-7.88	Butler	48	4.6	3.30-5.90
Elk	11	4.9		Cambria	82	7.7	6.03-9.37 +
Erie	87	5.4	4.27-6.53	Fayette	48	4.9	3.51-6.29
Forest	1	2.3		Greene	8	3.4	
Jefferson	11	3.6		Indiana	30	5.6	3.60-7.60
Lawrence	30	4.7	3.02-6.38	Somerset	28	5.2	3.27-7.13
McKean	13	4.6		Washington	82	6.0	4.70-7.30
Mercer	25	3.2	1.95-4.45 -	Westmoreland	174	6.8	5.79-7.81 +
Venango	17	4.8					
Warren	14	5.1					
North Central	155	4.0	3.37-4.63 -	South Central	551	6.2	5.68-6.72
Bradford	8	2.2		Adams	23	4.5	2.66-6.34
Centre	30	5.2	3.34-7.06	Bedford	12	4.0	
Clinton	4	1.8		Blair	49	5.8	4.18-7.42
Columbia	13	3.5		Cumberland	56	4.5	3.32-5.68 -
Lycoming	24	3.5	2.10-4.90 -	Dauphin	73	5.3	4.08-6.52
Montour	6	4.5		Franklin	41	5.1	3.54-6.66
Northumberland	34	5.2	3.45-6.95	Fulton	4	5.0	
Potter	10	7.9		Huntingdon	12	4.9	
Snyder	9	4.3		Juniata	9	6.6	
Sullivan	0	-		Lebanon	22	2.9	1.69-4.11 -
Tioga	10	3.7		Mifflin	15	4.9	
Union	7	3.1		Perry	6	2.9	
				York	229	11.1	9.66-12.54 +
Northeast	453	4.8	4.36-5.24 -	Southeast	1,610	5.9	5.61-6.19
Carbon	23	5.8	3.43-8.17	Berks	104	4.8	3.88-5.72
Lackawanna	59	4.2	3.13-5.27 -	Bucks	204	7.1	6.13-8.07 +
Lehigh	166	8.5	7.21-9.79 +	Chester	85	4.0	3.15-4.85 -
Luzerne	68	3.1	2.36-3.84 -	Delaware	238	7.1	6.20-8.00 +
Monroe	27	3.9	2.43-5.37 -	Lancaster	102	3.9	3.14-4.66 -
Northampton	77	4.6	3.57-5.63 -	Montgomery	373	8.2	7.37-9.03 +
Pike	7	3.0		Philadelphia	454	5.7	5.18-6.22
Susquehanna	9	3.7		Schuylkill	50	4.6	3.32-5.88
Wayne	16	5.4					
Wyoming	1	0.7					
				Pennsylvania	4,177	5.7	5.53-5.87

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS
 FIGURE 4C: FALLS AND FALL RELATED INJURIES
 Pennsylvania Health Districts and Counties, 2000-2004**



NOTE: A + or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**TABLE 4G: FALLS AND FALL RELATED INJURIES
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY HEALTH DISTRICT
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	4,177	39	911	3,227					
Northwest	270	4	63	203	Southwest	1,138	8	226	904
Cameron	1	0	1	0	Allegheny	563	4	120	439
Clarion	12	0	3	9	Armstrong	23	0	7	16
Clearfield	18	0	5	13	Beaver	52	2	10	40
Crawford	30	2	10	18	Butler	48	1	10	37
Elk	11	0	2	9	Cambria	82	1	20	61
Erie	87	0	16	71	Fayette	48	0	13	35
Forest	1	0	0	1	Greene	8	0	4	4
Jefferson	11	1	1	9	Indiana	30	0	5	25
Lawrence	30	1	7	22	Somerset	28	0	6	22
McKean	13	0	4	9	Washington	82	0	14	68
Mercer	25	0	7	18	Westmoreland	174	0	17	157
Venango	17	0	5	12					
Warren	14	0	2	12					
North Central	155	4	29	122	South Central	551	7	105	439
Bradford	8	0	2	6	Adams	23	1	3	19
Centre	30	2	7	21	Bedford	12	1	4	7
Clinton	4	0	1	3	Blair	49	0	10	39
Columbia	13	0	5	8	Cumberland	56	1	10	45
Lycoming	24	1	7	16	Dauphin	73	1	21	51
Montour	6	0	0	6	Franklin	41	0	6	35
Northumberland	34	1	4	29	Fulton	4	0	0	4
Potter	10	0	0	10	Huntingdon	12	0	3	9
Snyder	9	0	0	9	Juniata	9	0	1	8
Sullivan	0	0	0	0	Lebanon	22	1	2	19
Tioga	10	0	1	9	Mifflin	15	0	3	12
Union	7	0	2	5	Perry	6	1	1	4
					York	229	1	41	187
Northeast	453	1	115	337	Southeast	1,610	15	373	1,222
Carbon	23	0	4	19	Berks	104	2	29	73
Lackawanna	59	0	19	40	Bucks	204	2	38	164
Lehigh	166	0	34	132	Chester	85	3	25	57
Luzerne	68	1	23	44	Delaware	238	1	46	191
Monroe	27	0	8	19	Lancaster	102	2	26	74
Northampton	77	0	14	63	Montgomery	373	1	44	328
Pike	7	0	3	4	Philadelphia	454	4	156	294
Susquehanna	9	0	2	7	Schuylkill	50	0	9	41
Wayne	16	0	8	8					
Wyoming	1	0	0	1					

NOTE: * Unknowns included in totals.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

FIRE AND FLAMES

- Fire and flames includes deaths of unintentional, intentional, and undetermined intent caused by exposure to smoke, fire, and flames. Excludes injury by a secondary fire resulting from explosion. (see technical notes)
- Between 2000 and 2004 the number and the age-adjusted rate for resident deaths due to fire and flames has not shown any overall trends. However, the number of deaths in 2003, compared to 2002, increased 45% – from 134 to 195. (refer Table 5A)
- Among the four sex/race groups, black males consistently had the highest annual age-adjusted death rates during the years of 2000-2004. In 2004, the rate for black males was 4.0 per 100,000, compared to 1.9 for black females, 1.6 for white males, and 1.0 for white females. (refer Table 5B)
- The annual age-adjusted death rates for white males and white females have not changed much over the years of 2000-2004. Although the annual rates for blacks have fluctuated in recent years, the rates for black males and black females are based on small numbers of annual deaths making interpretation difficult. (refer Table 5B)
- As occurred with the age-adjusted death rates, the age-specific death rates for blacks, especially males, were the highest among the four sex/race groups for nearly all age categories. (refer Table 5C)
- Among both males and females, the highest age-specific death rates were usually recorded among older residents and the very young (under 5 years of age). (refer Table 5C)
- Approximately 17% or 153 of the 877 resident deaths due to fires during 2000-2004 were among those under 20 years of age. Another 34% occurred among residents aged 65 and older. The young and older residents together accounted for about 52% of all the deaths due to fire and flames. (refer Table 5E)
- Philadelphia residents accounted for 216, or almost 25%, of the deaths due to fires among Pennsylvania residents between 2000 and 2004. (refer Table 5E)
- Two counties (Fayette and Philadelphia) had average annual age-adjusted death rates for the five-year period of 2000-2004 that were significantly higher than the corresponding state rate. (refer Table 5D)
- Two counties (Bucks and Montgomery) had average annual age-adjusted death rates for 2000-2004 that were significantly lower than the corresponding state rate. (refer Table 5D)
- Only eight counties had 20 or more resident deaths each due to fires during the five-year period of 2000-2004 (Allegheny, Bucks, Fayette, Luzerne, Montgomery, Philadelphia, Westmoreland, and York). (refer Table 5D)

Note: The coding definitions for fire and flames have been altered since previous versions of this report were published. Certain frequency counts and rates may not match previous reports. See technical notes for more information.

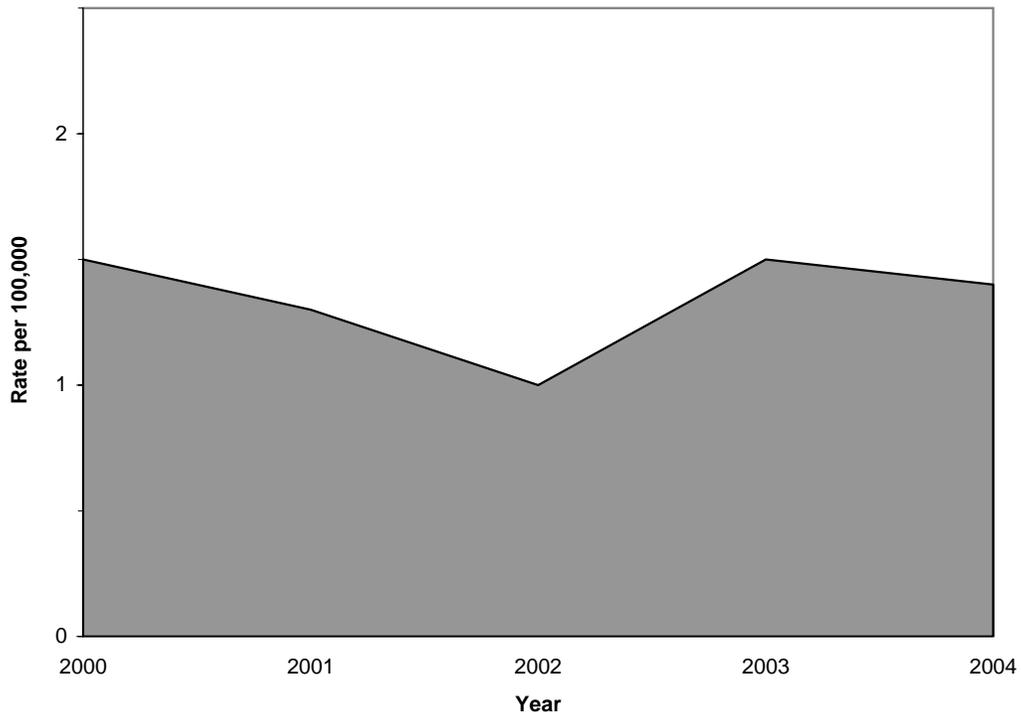
**HIGHEST AGE-ADJUSTED DEATH RATES:
Black males and black females (Table 5B)**

**HIGHEST AGE-SPECIFIC DEATH RATES:
Very young (under age 5) and elderly residents (Table 5C)**

**TABLE 5A: FIRE AND FLAMES
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	NO.	RATE
2000	191	1.5
2001	169	1.3
2002	134	1.0
2003	195	1.5
2004	188	1.4

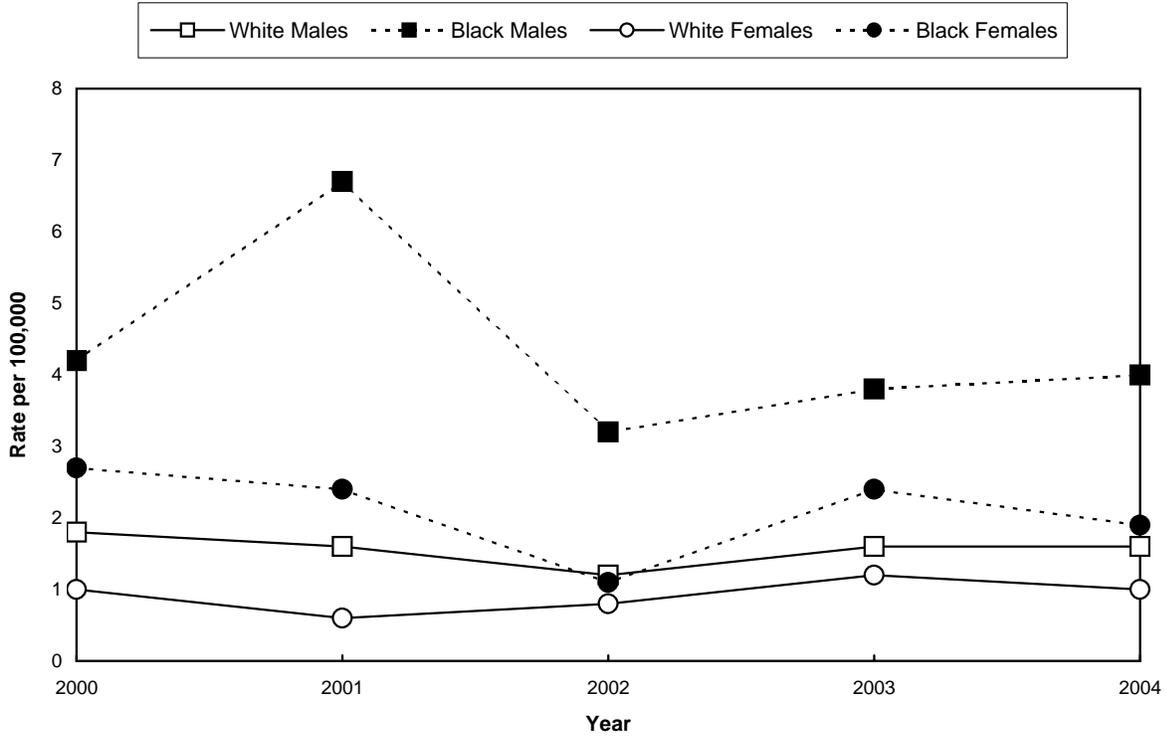
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.



**TABLE 5B: FIRE AND FLAMES
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	MALES						FEMALES					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
2000	112	1.9	92	1.8	20	4.2	79	1.1	62	1.0	17	2.7
2001	112	1.9	81	1.6	31	6.7	57	0.8	40	0.6	15	2.4
2002	77	1.3	62	1.2	15	3.2	57	0.8	50	0.8	7	1.1
2003	105	1.7	85	1.6	19	3.8	90	1.3	73	1.2	16	2.4
2004	107	1.8	84	1.6	21	4.0	81	1.2	65	1.0	12	1.9

NOTES: Age-Adjusted rates are computed by the direct method using the 2000 U.S. standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.



**TABLE 5C: FIRE AND FLAMES
TOTAL NUMBER OF DEATHS AND AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

AGE GROUP	ALL DEATHS NO. RATE		MALES						FEMALES					
			ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE		ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE	
TOTAL ***	877	1.4	513	1.7	404	1.6	106	3.5	364	1.1	290	1.1	67	2.0
< 5	65	1.8	42	2.2	30	2.0	12	4.8	23	1.3	18	1.2	2	0.8
5-9	35	0.9	22	1.1	11	0.7	11	3.9	13	0.7	11	0.7	2	0.7
10-14	33	0.8	18	0.8	15	0.8	3	1.0	15	0.7	8	0.5	6	2.1
15-19	20	0.4	11	0.5	9	0.5	2	0.7	9	0.4	6	0.3	3	1.1
20-24	29	0.7	19	1.0	19	1.2	0	-	10	0.5	8	0.5	1	0.4
25-29	21	0.6	9	0.5	7	0.5	1	0.5	12	0.7	11	0.8	1	0.5
30-34	32	0.8	20	1.0	19	1.1	1	0.5	12	0.6	9	0.5	3	1.3
35-39	47	1.0	29	1.3	26	1.4	3	1.4	18	0.8	13	0.7	4	1.6
40-44	71	1.5	39	1.6	34	1.6	5	2.3	32	1.3	23	1.1	9	3.6
45-49	61	1.3	41	1.8	31	1.5	9	4.6	20	0.8	14	0.7	6	2.7
50-54	73	1.8	48	2.4	37	2.0	11	6.9	25	1.2	21	1.1	4	2.1
55-59	50	1.5	33	2.0	27	1.8	6	5.0	17	1.0	14	0.9	3	2.0
60-64	40	1.5	24	1.8	17	1.4	7	7.6	16	1.1	13	1.0	2	1.6
65-69	51	2.1	31	2.8	21	2.1	10	13.3	20	1.5	19	1.6	1	0.9
70-74	55	2.3	36	3.6	26	2.8	10	16.3	19	1.4	15	1.2	4	4.2
75-79	73	3.5	38	4.6	30	3.9	8	17.2	35	2.8	27	2.4	8	10.1
80-84	70	4.8	36	6.7	30	6.0	5	18.1	34	3.6	30	3.5	4	7.3
85 +	51	4.2	17	4.9	15	4.7	2	11.5	34	3.9	30	3.7	4	8.0

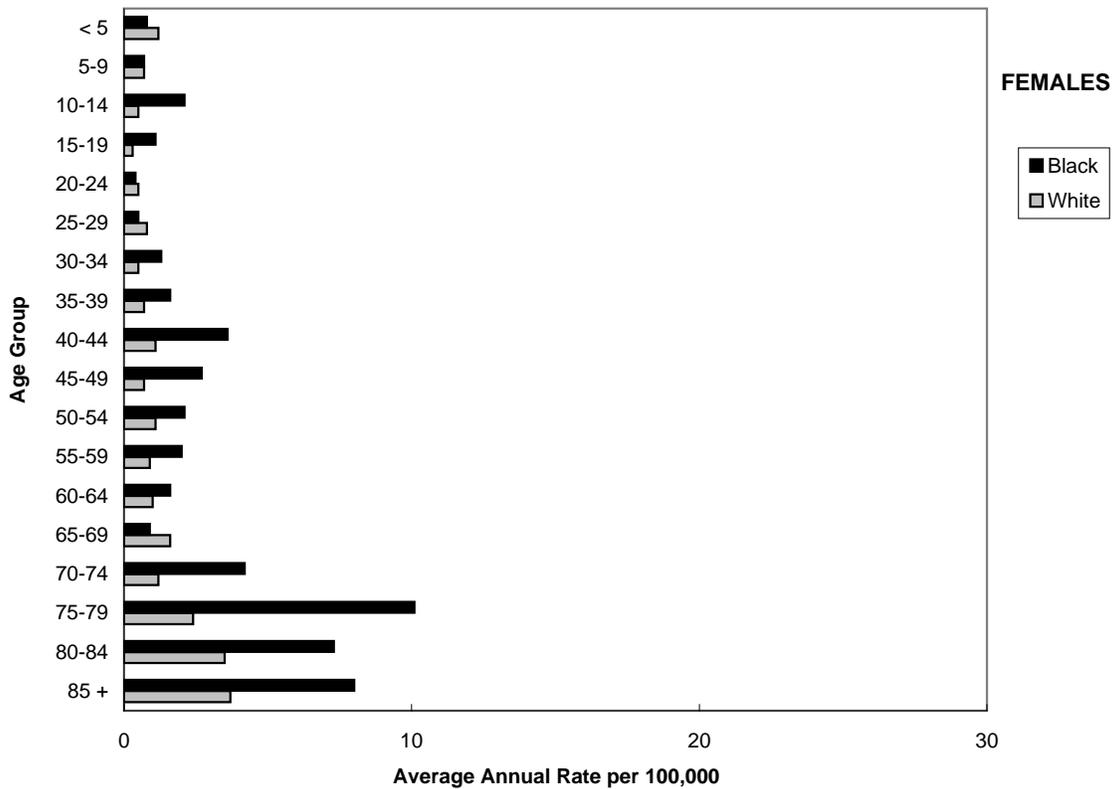
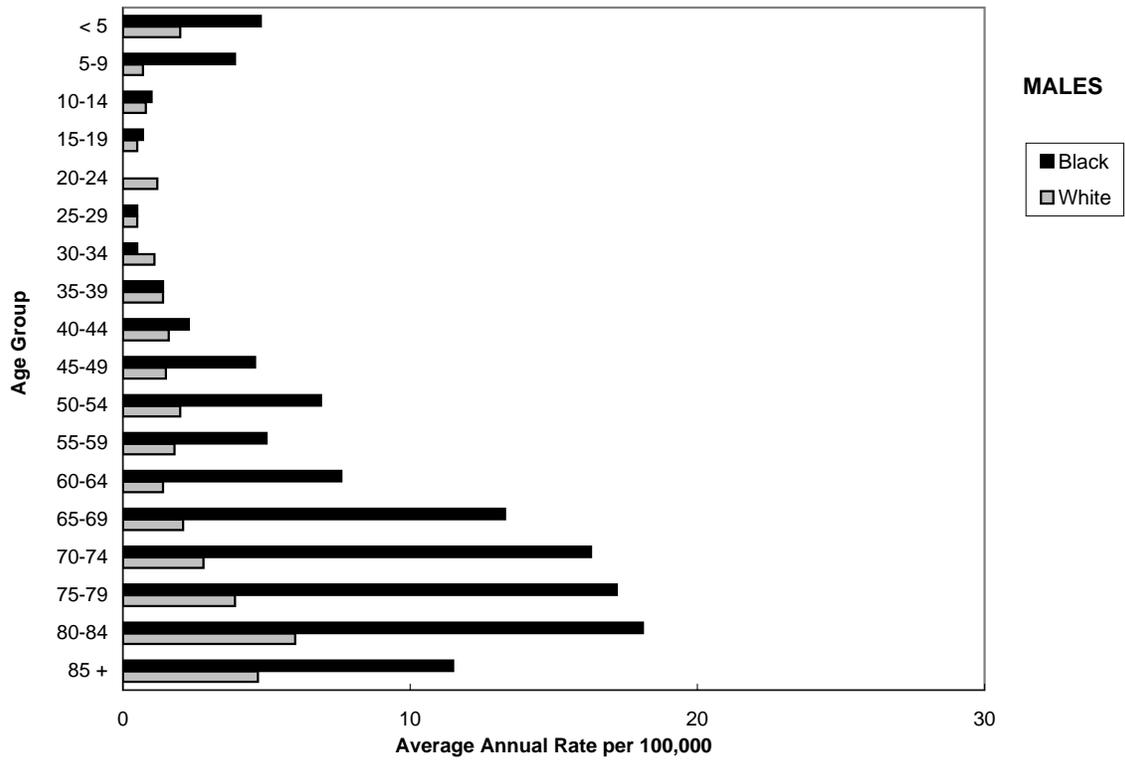
*** Unknown age included in totals.

NOTES: Rates are per 100,000 population (1999-2003) for each specified group.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

**FIGURE 5A: FIRE AND FLAMES
 AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES
 BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2000-2004**



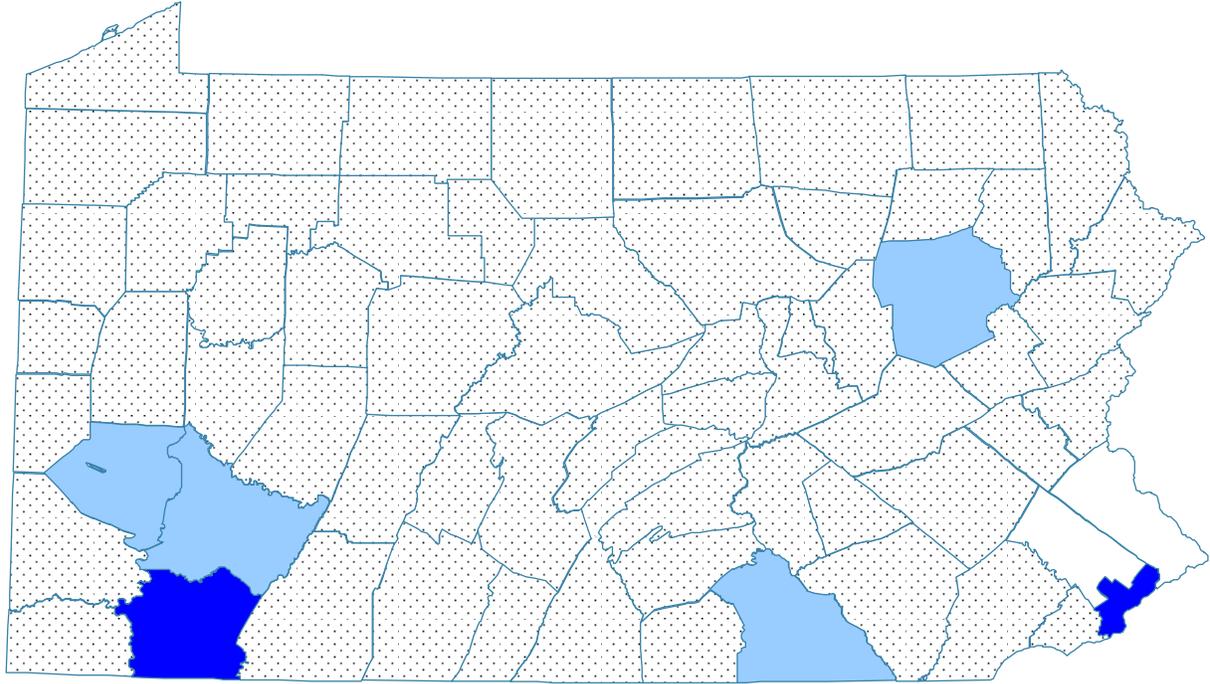
**TABLE 5D: FIRE AND FLAMES
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004**

County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Adams	1	0.2		Lackawanna	14	1.2	
Allegheny	77	1.1	0.85-1.35	Lancaster	17	0.7	
Armstrong	6	1.4		Lawrence	13	2.9	
Beaver	13	1.2		Lebanon	8	1.3	
Bedford	3	1.4		Lehigh	18	1.0	
Berks	19	1.0		Luzerne	33	1.8	1.19-2.41
Blair	5	0.6		Lycoming	9	1.5	
Bradford	13	3.8		McKean	5	2.2	
Bucks	20	0.6	0.34-0.86 -	Mercer	9	1.3	
Butler	12	1.3		Mifflin	4	1.7	
Cambria	18	2.0		Monroe	10	1.4	
Cameron	0	0.0		Montgomery	26	0.6	0.37-0.83 -
Carbon	2	0.5		Montour	3	3.2	
Centre	8	1.4		Northampton	11	0.8	
Chester	12	0.5		Northumberland	9	1.6	
Clarion	9	4.9		Perry	5	2.4	
Clearfield	6	1.3		Philadelphia	216	2.9	2.51-3.29 +
Clinton	2	0.8		Pike	1	0.5	
Columbia	4	1.0		Potter	2	1.7	
Crawford	4	0.9		Schuylkill	12	1.4	
Cumberland	13	1.1		Snyder	2	0.9	
Dauphin	17	1.3		Somerset	8	2.0	
Delaware	19	0.6		Sullivan	0	0.0	
Elk	1	0.5		Susquehanna	5	2.0	
Erie	15	1.0		Tioga	5	2.5	
Fayette	23	3.1	1.83-4.37 +	Union	5	1.9	
Forest	0	0.0		Venango	3	1.0	
Franklin	5	0.8		Warren	4	1.8	
Fulton	0	0.0		Washington	17	1.6	
Greene	3	1.3		Wayne	2	0.9	
Huntingdon	2	0.9		Westmoreland	31	1.4	0.91-1.89
Indiana	10	2.4		Wyoming	3	2.1	
Jefferson	2	0.9		York	22	1.1	0.64-1.56
Juniata	1	1.0					
				Pennsylvania	877	1.3	1.21-1.39

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

FIGURE 5B: FIRE AND FLAMES
AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS
BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004



 Significantly lower than the state	 Not significantly higher or lower than the state
 Significantly higher than the state	 Less than 20 events - statistically unreliable

**TABLE 5E: FIRE AND FLAMES
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY COUNTY
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	877	153	424	300					
Adams	1	0	0	1	Lackawanna	14	2	6	6
Allegheny	77	9	40	28	Lancaster	17	3	12	2
Armstrong	6	0	3	3	Lawrence	13	7	3	3
Beaver	13	1	5	7	Lebanon	8	2	5	1
Bedford	3	1	2	0	Lehigh	18	0	11	7
Berks	19	2	13	4	Luzerne	33	3	13	17
Blair	5	0	2	3	Lycoming	9	3	4	2
Bradford	13	4	4	5	McKean	5	0	4	1
Bucks	20	2	10	8	Mercer	9	1	4	4
Butler	12	3	4	5	Mifflin	4	0	4	0
Cambria	18	1	9	8	Monroe	10	5	4	1
Cameron	0	0	0	0	Montgomery	26	1	13	12
Carbon	2	0	1	1	Montour	3	0	2	1
Centre	8	2	2	4	Northampton	11	1	8	2
Chester	12	2	4	6	Northumberland	9	1	3	5
Clarion	9	4	3	2	Perry	5	2	2	1
Clearfield	6	1	2	3	Philadelphia	216	46	103	67
Clinton	2	0	0	2	Pike	1	0	1	0
Columbia	4	0	1	3	Potter	2	0	1	1
Crawford	4	2	1	1	Schuylkill	12	0	9	3
Cumberland	13	0	8	5	Snyder	2	0	1	1
Dauphin	17	3	7	7	Somerset	8	1	5	2
Delaware	19	5	6	8	Sullivan	0	0	0	0
Elk	1	0	1	0	Susquehanna	5	1	0	4
Erie	15	5	5	5	Tioga	5	2	1	2
Fayette	23	8	11	4	Union	5	0	5	0
Forest	0	0	0	0	Venango	3	0	3	0
Franklin	5	0	4	1	Warren	4	1	1	2
Fulton	0	0	0	0	Washington	17	4	10	3
Greene	3	0	2	1	Wayne	2	1	1	0
Huntingdon	2	0	2	0	Westmoreland	31	3	13	15
Indiana	10	4	4	2	Wyoming	3	1	0	2
Jefferson	2	0	2	0	York	22	3	13	6
Juniata	1	0	1	0					

* Unknown age included in totals.

NOTE: Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

TABLE 5F: FIRE AND FLAMES
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY HEALTH DISTRICT, PENNSYLVANIA RESIDENTS, 2000-2004

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northwest	71	1.5	1.15-1.85	Southwest	218	1.4	1.21-1.59
Cameron	0	-		Allegheny	77	1.1	0.85-1.35
Clarion	9	4.9		Armstrong	6	1.4	
Clearfield	6	1.3		Beaver	13	1.2	
Crawford	4	0.9		Butler	12	1.3	
Elk	1	0.5		Cambria	18	2.0	
Erie	15	1.0		Fayette	23	3.1	1.83-4.37 +
Forest	0	-		Greene	3	1.3	
Jefferson	2	0.9		Indiana	10	2.4	
Lawrence	13	2.9		Somerset	8	2.0	
McKean	5	2.2		Washington	17	1.6	
Mercer	9	1.3		Westmoreland	31	1.4	0.91-1.89
Venango	3	1.0					
Warren	4	1.8					
North Central	62	1.7	1.28-2.12	South Central	86	1.1	0.87-1.33
Bradford	13	3.8		Adams	1	0.2	
Centre	8	1.4		Bedford	3	1.4	
Clinton	2	0.8		Blair	5	0.6	
Columbia	4	1.0		Cumberland	13	1.1	
Lycoming	9	1.5		Dauphin	17	1.3	
Montour	3	3.2		Franklin	5	0.8	
Northumberland	9	1.6		Fulton	0	-	
Potter	2	1.7		Huntingdon	2	0.9	
Snyder	2	0.9		Juniata	1	1.0	
Sullivan	0	-		Lebanon	8	1.3	
Tioga	5	2.5		Mifflin	4	1.7	
Union	5	1.9		Perry	5	2.4	
				York	22	1.1	0.64-1.56
Northeast	99	1.2	0.96-1.44	Southeast	341	1.4	1.25-1.55
Carbon	2	0.5		Berks	19	1.0	
Lackawanna	14	1.2		Bucks	20	0.6	0.34-0.86 -
Lehigh	18	1.0		Chester	12	0.5	
Luzerne	33	1.8	1.19-2.41	Delaware	19	0.6	
Monroe	10	1.4		Lancaster	17	0.7	
Northampton	11	0.8		Montgomery	26	0.6	0.37-0.83 -
Pike	1	0.5		Philadelphia	216	2.9	2.51-3.29 +
Susquehanna	5	2.0		Schuylkill	12	1.4	
Wayne	2	0.9					
Wyoming	3	2.1					
				Pennsylvania	877	1.3	1.21-1.39

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

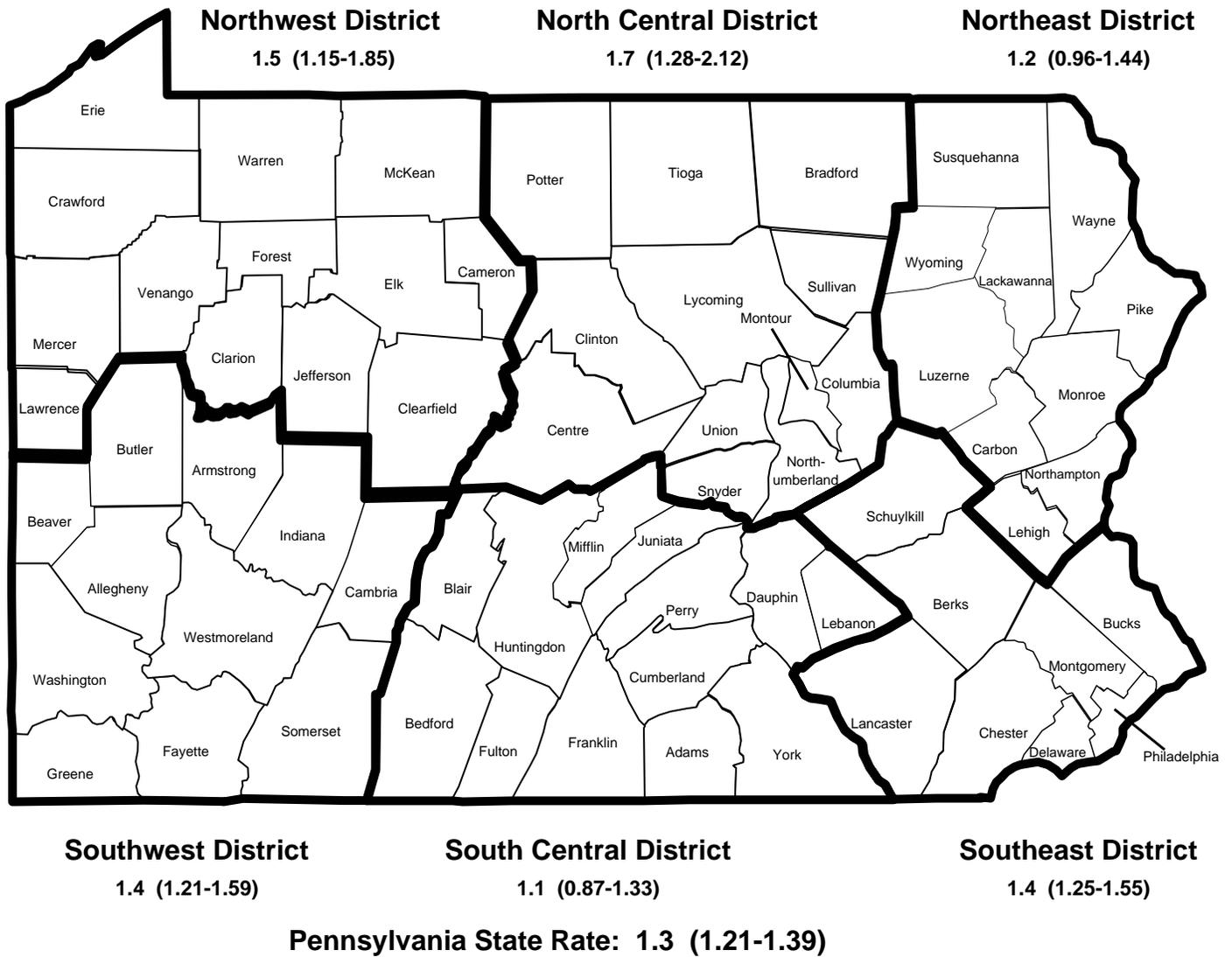
Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS

FIGURE 5C: FIRE AND FLAMES

Pennsylvania Health Districts and Counties, 2000-2004



NOTE: A + or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**TABLE 5G: FIRE AND FLAMES
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY HEALTH DISTRICT
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	877	153	424	300					
Northwest	71	21	29	21	Southwest	218	34	106	78
Cameron	0	0	0	0	Allegheny	77	9	40	28
Clarion	9	4	3	2	Armstrong	6	0	3	3
Clearfield	6	1	2	3	Beaver	13	1	5	7
Crawford	4	2	1	1	Butler	12	3	4	5
Elk	1	0	1	0	Cambria	18	1	9	8
Erie	15	5	5	5	Fayette	23	8	11	4
Forest	0	0	0	0	Greene	3	0	2	1
Jefferson	2	0	2	0	Indiana	10	4	4	2
Lawrence	13	7	3	3	Somerset	8	1	5	2
McKean	5	0	4	1	Washington	17	4	10	3
Mercer	9	1	4	4	Westmoreland	31	3	13	15
Venango	3	0	3	0					
Warren	4	1	1	2					
North Central	62	12	24	26	South Central	86	11	50	25
Bradford	13	4	4	5	Adams	1	0	0	1
Centre	8	2	2	4	Bedford	3	1	2	0
Clinton	2	0	0	2	Blair	5	0	2	3
Columbia	4	0	1	3	Cumberland	13	0	8	5
Lycoming	9	3	4	2	Dauphin	17	3	7	7
Montour	3	0	2	1	Franklin	5	0	4	1
Northumberland	9	1	3	5	Fulton	0	0	0	0
Potter	2	0	1	1	Huntingdon	2	0	2	0
Snyder	2	0	1	1	Juniata	1	0	1	0
Sullivan	0	0	0	0	Lebanon	8	2	5	1
Tioga	5	2	1	2	Mifflin	4	0	4	0
Union	5	0	5	0	Perry	5	2	2	1
					York	22	3	13	6
Northeast	99	14	45	40	Southeast	341	61	170	110
Carbon	2	0	1	1	Berks	19	2	13	4
Lackawanna	14	2	6	6	Bucks	20	2	10	8
Lehigh	18	0	11	7	Chester	12	2	4	6
Luzerne	33	3	13	17	Delaware	19	5	6	8
Monroe	10	5	4	1	Lancaster	17	3	12	2
Northampton	11	1	8	2	Montgomery	26	1	13	12
Pike	1	0	1	0	Philadelphia	216	46	103	67
Susquehanna	5	1	0	4	Schuylkill	12	0	9	3
Wayne	2	1	1	0					
Wyoming	3	1	0	2					

NOTE: * Unknowns included in totals.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

DROWNING AND SUBMERSION

- Drowning and submersion includes deaths of unintentional, intentional, and undetermined intent caused by drowning and submersion. Excludes drowning as a result of a water transport related accident or cataclysm. (see technical notes)
- The annual numbers and the age-adjusted rates for resident deaths due to drowning and submersion have been stable during the five-year period of 2000-2004. The highest age-adjusted death rate was 1.0 per 100,000 in 2001; the lowest rate, 0.8 per 100,000, was achieved in 2000 and 2002. (refer Table 6A)
- The national Healthy People 2010 objective is for an age-adjusted death rate of no more than 0.9 per 100,000. Pennsylvania's annual rates have fluctuated around that goal throughout the period of 2000-2004. (refer Table 6A)
- Males consistently had much higher annual age-adjusted death rates than females during 2000-2004. For example, the 2004 rate for males was 1.3 per 100,000 – over three times higher than the 2004 rate for females of 0.4. (refer Table 6B)
- The annual age-adjusted death rates for white males and white females have not changed much during 2000 through 2004. The annual rates for black males and females are based on small numbers making interpretation of rates difficult. (refer Table 6B)
- As occurred with the annual age-adjusted rates, the age-specific death rates covering the five-year period of 2000-2004 were usually much higher among males than females. (refer Table 6C)
- The highest age-specific death rates for both males and females occurred among the youngest (under 5 years of age), and oldest (aged 80 years and older) age groups. (refer Table 6C)
- About 29%, or 152 of the 532 deaths due to drowning and submersion during 2000-2004, were to residents under 20 years of age. (refer Table 6E)
- Only five counties had 20 or more resident drowning deaths reported during the five-year period of 2000-2004 (Allegheny, Bucks, Lancaster, Montgomery, and Philadelphia). (refer Table 6D)
- Philadelphia and Allegheny County residents combined accounted for 142 (27%) of the 532 drowning deaths among Pennsylvania residents in 2000-2004. (refer Table 6D)

Note: The coding definitions for drowning and submersion have been altered since previous versions of this report were published. Certain frequency counts and rates may not match previous reports. See technical notes for more information.

HIGHEST AGE-ADJUSTED DEATH RATES:

Males (Table 6B)

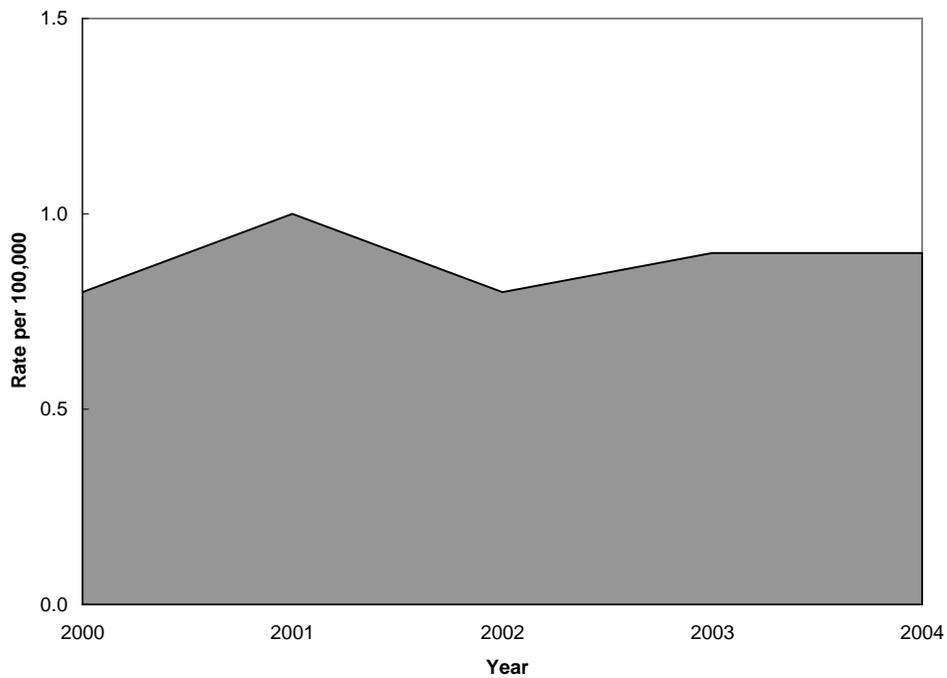
HIGHEST AGE-SPECIFIC DEATH RATES:

Very young (under age 5) and elderly (aged 80+) males (Table 6C)

**TABLE 6A: DROWNING AND SUBMERSION
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	NO.	RATE
2000	102	0.8
2001	118	1.0
2002	101	0.8
2003	106	0.9
2004	105	0.9

NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

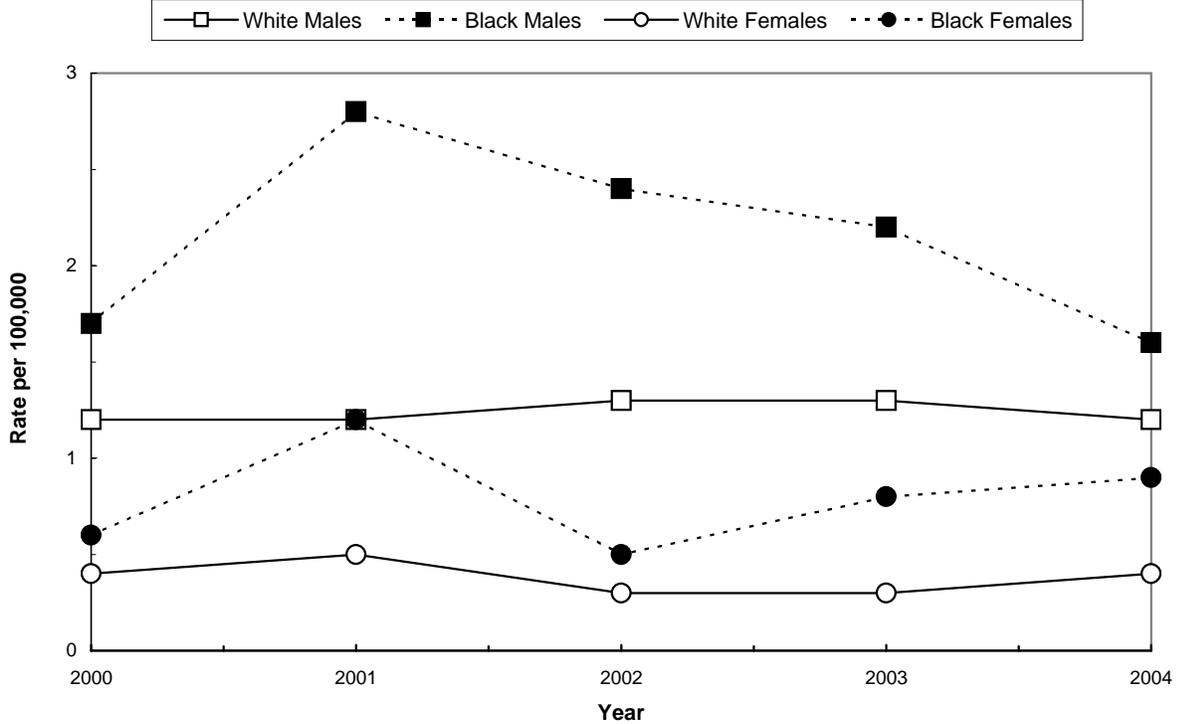


**National Healthy People 2010 Objective 15-29:
Reduce drowning deaths to no more than 0.9 per 100,000.**

**TABLE 6B: DROWNING AND SUBMERSION
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	MALES						FEMALES					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
2000	73	1.2	59	1.2	11	1.7	29	0.4	25	0.4	4	0.6
2001	78	1.3	59	1.2	16	2.8	40	0.6	29	0.5	8	1.2
2002	79	1.3	64	1.3	14	2.4	22	0.3	19	0.3	3	0.5
2003	82	1.4	64	1.3	14	2.2	24	0.4	18	0.3	6	0.8
2004	79	1.3	63	1.2	12	1.6	26	0.4	20	0.4	6	0.9

NOTES: Age-Adjusted rates are computed by the direct method using the 2000 U.S. standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.



**TABLE 6C: DROWNING AND SUBMERSION
TOTAL NUMBER OF DEATHS AND AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

AGE GROUP	ALL DEATHS NO. RATE		MALES						FEMALES					
			ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE		ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE	
TOTAL ***	532	0.9	391	1.3	309	1.2	67	2.2	141	0.4	111	0.4	27	0.8
< 5	67	1.8	38	2.0	30	2.0	7	2.8	29	1.6	23	1.6	4	1.7
5-9	15	0.4	11	0.5	7	0.4	4	1.4	4	0.2	4	0.3	0	-
10-14	28	0.7	19	0.9	7	0.4	9	3.1	9	0.4	3	0.2	6	2.1
15-19	42	0.9	39	1.7	31	1.7	7	2.5	3	0.1	2	0.1	1	0.4
20-24	34	0.9	29	1.5	24	1.5	3	1.3	5	0.3	4	0.2	1	0.4
25-29	41	1.1	32	1.8	24	1.6	5	2.4	9	0.5	5	0.3	3	1.4
30-34	36	0.9	29	1.5	25	1.5	3	1.4	7	0.4	4	0.2	3	1.3
35-39	39	0.9	36	1.6	22	1.1	12	5.4	3	0.1	3	0.2	0	-
40-44	36	0.7	26	1.1	21	1.0	4	1.8	10	0.4	9	0.4	1	0.4
45-49	41	0.9	31	1.4	28	1.4	3	1.5	10	0.4	9	0.4	1	0.4
50-54	29	0.7	26	1.3	21	1.1	5	3.1	3	0.1	1	0.1	2	1.0
55-59	23	0.7	15	0.9	13	0.9	2	1.7	8	0.5	6	0.4	2	1.3
60-64	15	0.5	10	0.8	9	0.8	1	1.1	5	0.3	5	0.4	0	-
65-69	14	0.6	11	1.0	10	1.0	1	1.3	3	0.2	2	0.2	1	0.9
70-74	16	0.7	15	1.5	14	1.5	1	1.6	1	0.1	1	0.1	0	-
75-79	17	0.8	8	1.0	8	1.0	0	-	9	0.7	9	0.8	0	-
80-84	18	1.2	6	1.1	6	1.2	0	-	12	1.3	11	1.3	1	1.8
85 +	20	1.6	9	2.6	8	2.5	0	-	11	1.3	10	1.2	1	2.0

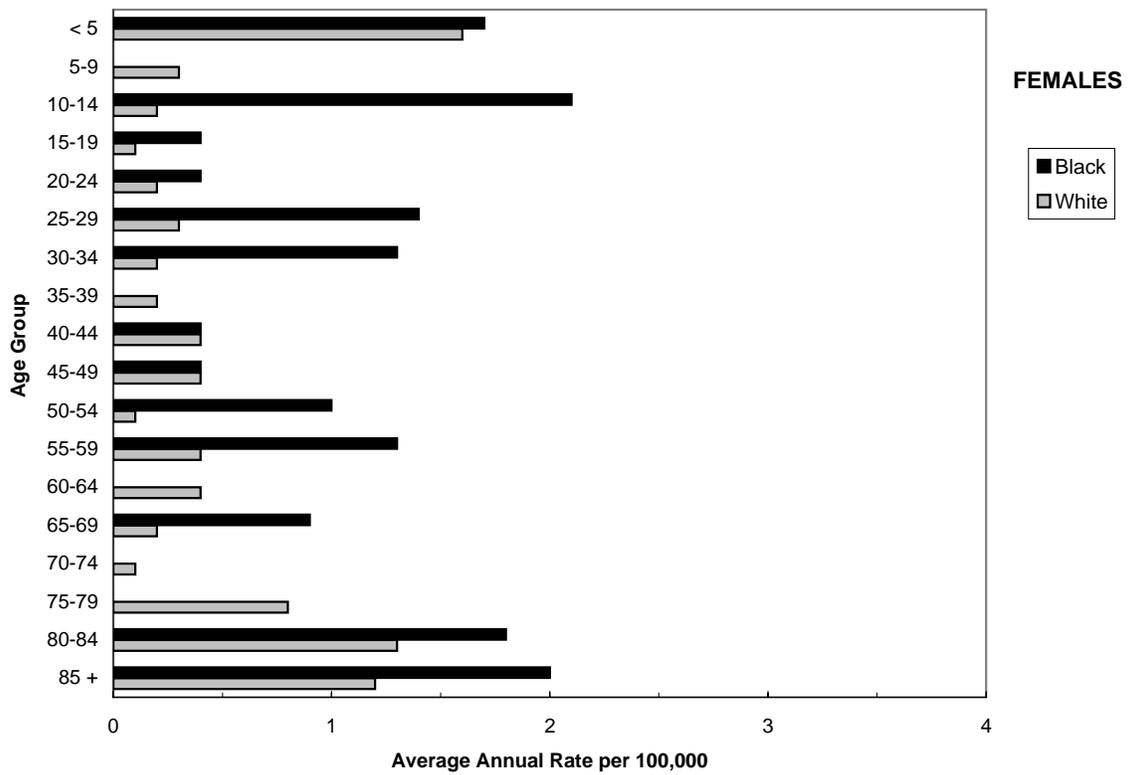
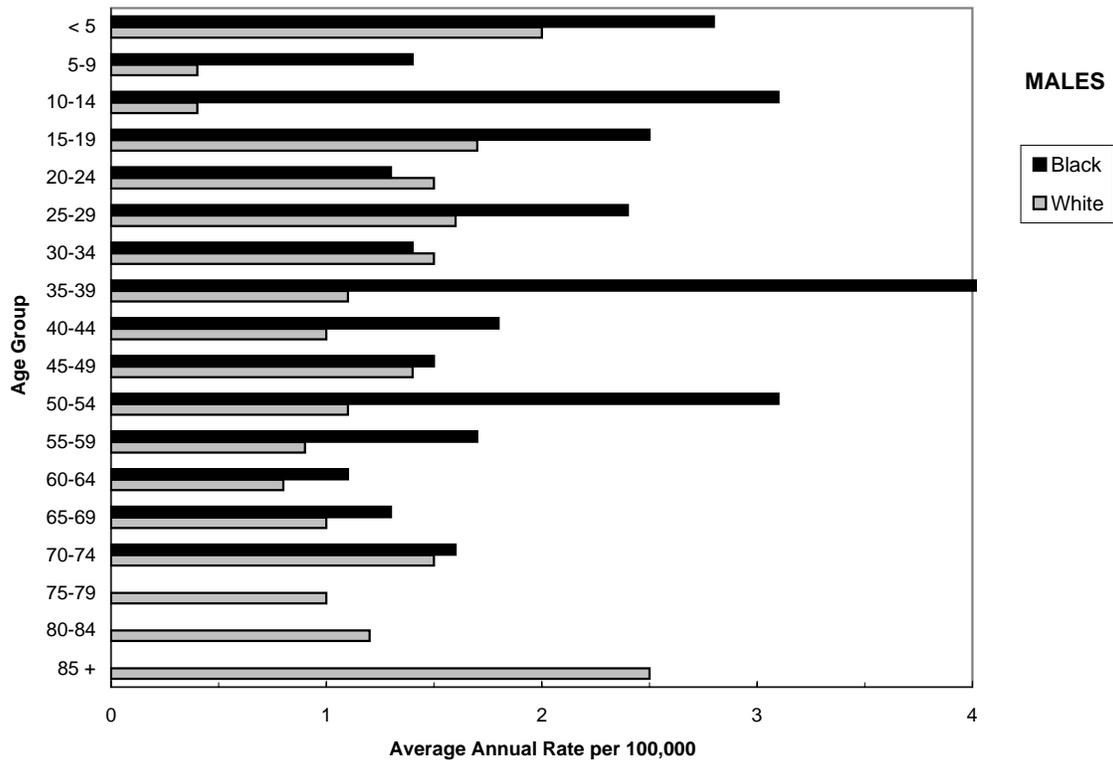
*** Unknown age included in totals.

NOTES: Rates are per 100,000 population (1999-2003) for each specified group.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

**FIGURE 6A: DROWNING AND SUBMERSION
AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES
BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2000-2004**



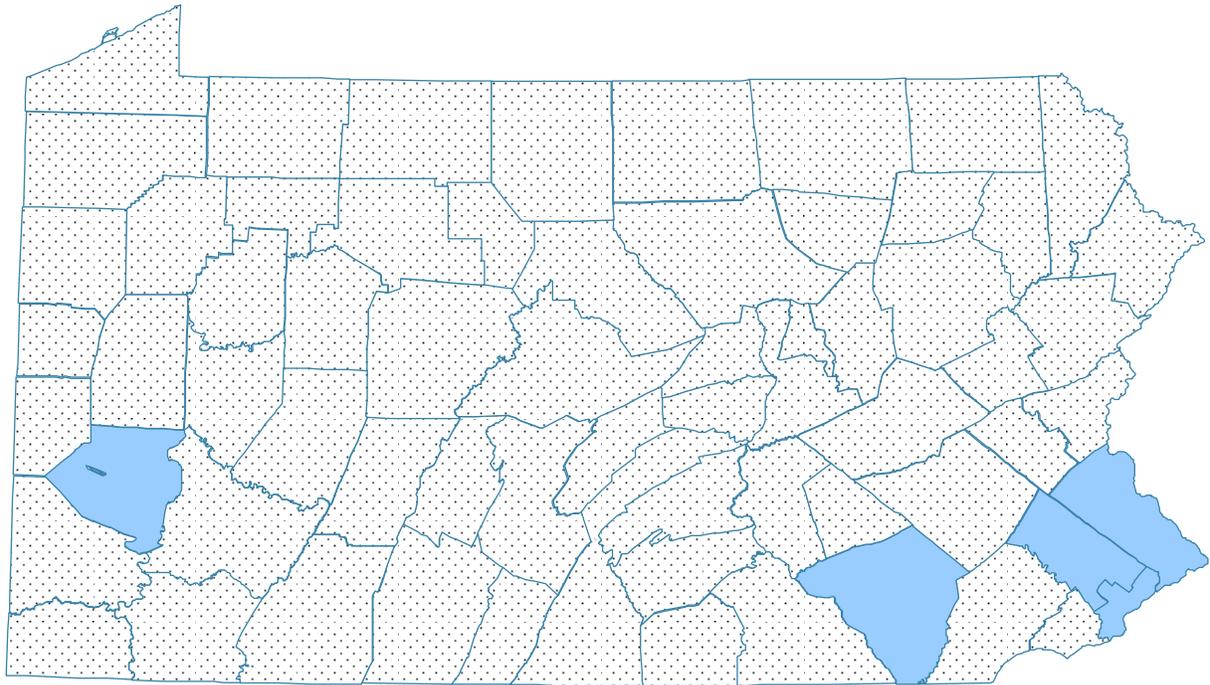
**TABLE 6D: DROWNING AND SUBMERSION
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004**

County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Adams	2	0.4		Lackawanna	7	0.6	
Allegheny	66	1.0	0.76-1.24	Lancaster	22	0.9	0.52-1.28
Armstrong	4	1.1		Lawrence	3	0.7	
Beaver	10	1.2		Lebanon	5	0.8	
Bedford	1	0.5		Lehigh	14	0.8	
Berks	15	0.8		Luzerne	13	0.8	
Blair	6	1.1		Lycoming	8	1.6	
Bradford	2	0.7		McKean	1	0.5	
Bucks	25	0.9	0.55-1.25	Mercer	8	1.4	
Butler	8	0.9		Mifflin	3	1.3	
Cambria	2	0.3		Monroe	5	0.6	
Cameron	0	-		Montgomery	26	0.7	0.43-0.97
Carbon	4	1.4		Montour	0	-	
Centre	2	0.3		Northampton	15	1.1	
Chester	13	0.6		Northumberland	8	1.9	
Clarion	2	0.9		Perry	2	0.9	
Clearfield	1	0.3		Philadelphia	76	1.0	0.78-1.22
Clinton	3	1.5		Pike	5	2.0	
Columbia	4	0.9		Potter	1	1.3	
Crawford	4	0.9		Schuylkill	9	1.1	
Cumberland	9	0.8		Snyder	4	2.2	
Dauphin	11	0.8		Somerset	1	0.2	
Delaware	17	0.6		Sullivan	0	-	
Elk	2	1.3		Susquehanna	1	0.4	
Erie	8	0.6		Tioga	1	0.4	
Fayette	12	1.8		Union	0	-	
Forest	0	-		Venango	5	1.9	
Franklin	4	0.7		Warren	4	2.1	
Fulton	1	1.5		Washington	6	0.6	
Greene	1	0.4		Wayne	2	1.0	
Huntingdon	1	0.4		Westmoreland	15	0.8	
Indiana	1	0.1		Wyoming	1	0.8	
Jefferson	1	0.5		York	13	0.7	
Juniata	6	5.4					
				Pennsylvania	532	0.9	0.82-0.98

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

**FIGURE 6B: DROWNING AND SUBMERSION
AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS
BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004**



 Significantly lower than the state	 Not significantly higher or lower than the state
 Significantly higher than the state	 Less than 20 events - statistically unreliable

**TABLE 6E: DROWNING AND SUBMERSION
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY COUNTY
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	532	152	294	85					
Adams	2	1	1	0	Lackawanna	7	2	1	4
Allegheny	66	8	47	11	Lancaster	22	8	11	3
Armstrong	4	0	4	0	Lawrence	3	0	3	0
Beaver	10	4	4	2	Lebanon	5	3	0	2
Bedford	1	1	0	0	Lehigh	14	4	5	5
Berks	15	8	6	1	Luzerne	13	2	8	3
Blair	6	3	3	0	Lycoming	8	5	3	0
Bradford	2	1	1	0	McKean	1	1	0	0
Bucks	25	9	11	4	Mercer	8	2	6	0
Butler	8	2	4	2	Mifflin	3	2	1	0
Cambria	2	1	1	0	Monroe	5	2	2	1
Cameron	0	0	0	0	Montgomery	26	6	13	7
Carbon	4	1	3	0	Montour	0	0	0	0
Centre	2	0	2	0	Northampton	15	1	11	3
Chester	13	3	8	2	Northumberland	8	2	5	1
Clarion	2	1	1	0	Perry	2	1	1	0
Clearfield	1	0	1	0	Philadelphia	76	22	48	6
Clinton	3	2	0	1	Pike	5	1	2	2
Columbia	4	3	0	1	Potter	1	0	1	0
Crawford	4	3	0	1	Schuylkill	9	1	6	2
Cumberland	9	2	4	3	Snyder	4	3	0	1
Dauphin	11	1	5	5	Somerset	1	0	0	1
Delaware	17	2	11	4	Sullivan	0	0	0	0
Elk	2	1	1	0	Susquehanna	1	0	1	0
Erie	8	5	3	0	Tioga	1	0	1	0
Fayette	12	3	7	2	Union	0	0	0	0
Forest	0	0	0	0	Venango	5	3	1	1
Franklin	4	3	1	0	Warren	4	1	3	0
Fulton	1	0	1	0	Washington	6	1	4	1
Greene	1	0	0	1	Wayne	2	1	1	0
Huntingdon	1	0	1	0	Westmoreland	15	4	10	1
Indiana	1	0	1	0	Wyoming	1	0	1	0
Jefferson	1	0	1	0	York	13	3	9	1
Juniata	6	3	3	0					

* Unknown age included in totals.

NOTE: Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

TABLE 6F: DROWNING AND SUBMERSION
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY HEALTH DISTRICT, PENNSYLVANIA RESIDENTS, 2000-2004

<u>District/County</u>	<u>No.</u>	<u>Rate</u>	<u>CI (95%)</u>	<u>District/County</u>	<u>No.</u>	<u>Rate</u>	<u>CI (95%)</u>
Northwest	39	0.9	0.62-1.18	Southwest	126	0.9	0.74-1.06
Cameron	0	-		Allegheny	66	1.0	0.76-1.24
Clarion	2	0.9		Armstrong	4	1.1	
Clearfield	1	0.3		Beaver	10	1.2	
Crawford	4	0.9		Butler	8	0.9	
Elk	2	1.3		Cambria	2	0.3	
Erie	8	0.6		Fayette	12	1.8	
Forest	0	-		Greene	1	0.4	
Jefferson	1	0.5		Indiana	1	0.1	
Lawrence	3	0.7		Somerset	1	0.2	
McKean	1	0.5		Washington	6	0.6	
Mercer	8	1.4		Westmoreland	15	0.8	
Venango	5	1.9					
Warren	4	2.1					
North Central	33	1.0	0.66-1.34	South Central	64	0.8	0.60-1.00
Bradford	2	0.7		Adams	2	0.4	
Centre	2	0.3		Bedford	1	0.5	
Clinton	3	1.5		Blair	6	1.1	
Columbia	4	0.9		Cumberland	9	0.8	
Lycoming	8	1.6		Dauphin	11	0.8	
Montour	0	-		Franklin	4	0.7	
Northumberland	8	1.9		Fulton	1	1.5	
Potter	1	1.3		Huntingdon	1	0.4	
Snyder	4	2.2		Juniata	6	5.4	
Sullivan	0	-		Lebanon	5	0.8	
Tioga	1	0.4		Mifflin	3	1.3	
Union	0	-		Perry	2	0.9	
				York	13	0.7	
Northeast	67	0.9	0.68-1.12	Southeast	203	0.8	0.69-0.91
Carbon	4	1.4		Berks	15	0.8	
Lackawanna	7	0.6		Bucks	25	0.9	0.55-1.25
Lehigh	14	0.8		Chester	13	0.6	
Luzerne	13	0.8		Delaware	17	0.6	
Monroe	5	0.6		Lancaster	22	0.9	0.52-1.28
Northampton	15	1.1		Montgomery	26	0.7	0.43-0.97
Pike	5	2.0		Philadelphia	76	1.0	0.78-1.22
Susquehanna	1	0.4		Schuylkill	9	1.1	
Wayne	2	1.0					
Wyoming	1	0.8					
				Pennsylvania	532	0.9	0.82-0.98

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

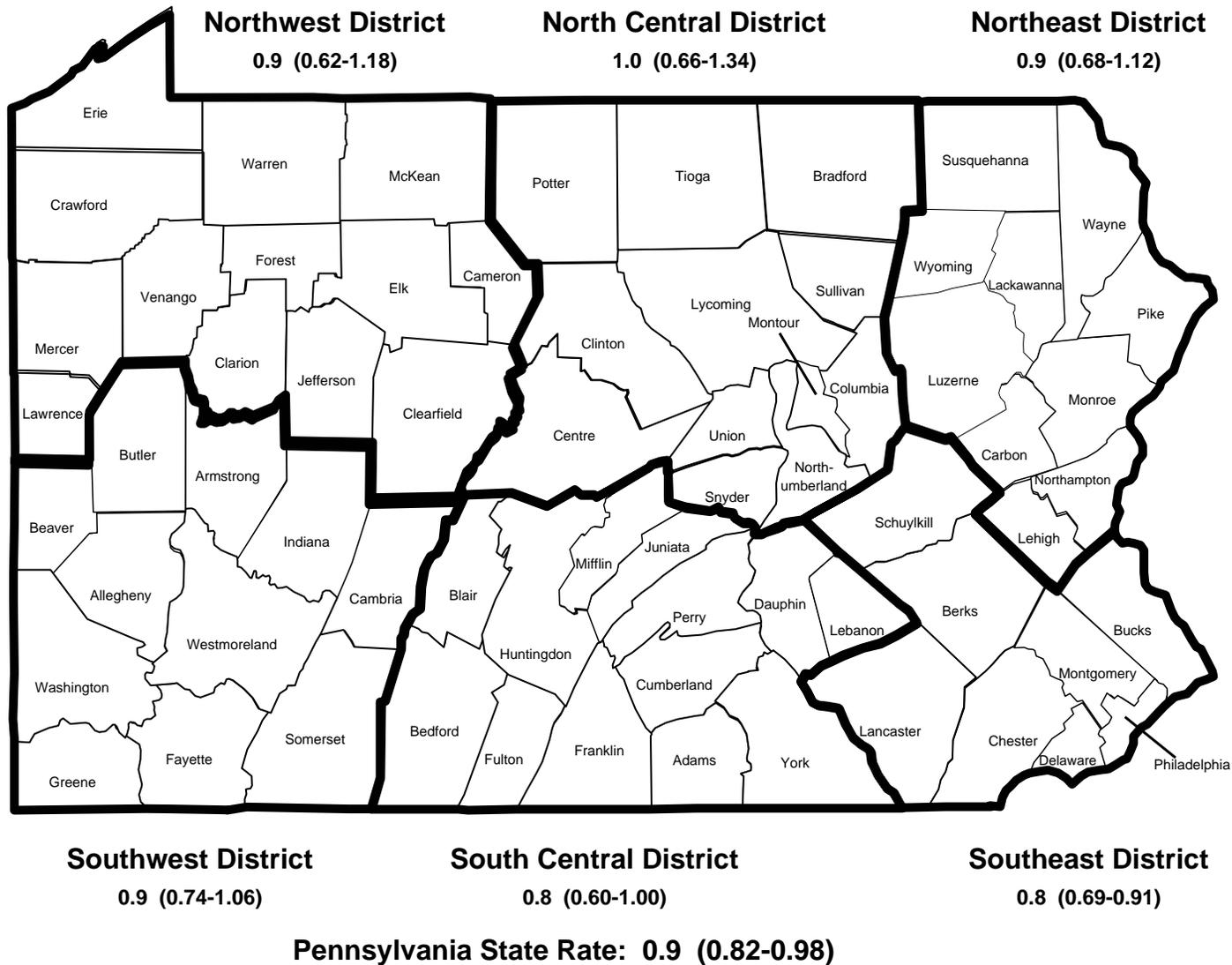
Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS

FIGURE 6C: DROWNING AND SUBMERSION

Pennsylvania Health Districts and Counties, 2000-2004



NOTE: A + or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**TABLE 6G: DROWNING AND SUBMERSION
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY HEALTH DISTRICT
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	532	152	294	85					
Northwest	39	17	20	2	Southwest	126	23	82	21
Cameron	0	0	0	0	Allegheny	66	8	47	11
Clarion	2	1	1	0	Armstrong	4	0	4	0
Clearfield	1	0	1	0	Beaver	10	4	4	2
Crawford	4	3	0	1	Butler	8	2	4	2
Elk	2	1	1	0	Cambria	2	1	1	0
Erie	8	5	3	0	Fayette	12	3	7	2
Forest	0	0	0	0	Greene	1	0	0	1
Jefferson	1	0	1	0	Indiana	1	0	1	0
Lawrence	3	0	3	0	Somerset	1	0	0	1
McKean	1	1	0	0	Washington	6	1	4	1
Mercer	8	2	6	0	Westmoreland	15	4	10	1
Venango	5	3	1	1					
Warren	4	1	3	0					
North Central	33	16	13	4	South Central	64	23	30	11
Bradford	2	1	1	0	Adams	2	1	1	0
Centre	2	0	2	0	Bedford	1	1	0	0
Clinton	3	2	0	1	Blair	6	3	3	0
Columbia	4	3	0	1	Cumberland	9	2	4	3
Lycoming	8	5	3	0	Dauphin	11	1	5	5
Montour	0	0	0	0	Franklin	4	3	1	0
Northumberland	8	2	5	1	Fulton	1	0	1	0
Potter	1	0	1	0	Huntingdon	1	0	1	0
Snyder	4	3	0	1	Juniata	6	3	3	0
Sullivan	0	0	0	0	Lebanon	5	3	0	2
Tioga	1	0	1	0	Mifflin	3	2	1	0
Union	0	0	0	0	Perry	2	1	1	0
					York	13	3	9	1
Northeast	67	14	35	18	Southeast	203	59	114	29
Carbon	4	1	3	0	Berks	15	8	6	1
Lackawanna	7	2	1	4	Bucks	25	9	11	4
Lehigh	14	4	5	5	Chester	13	3	8	2
Luzerne	13	2	8	3	Delaware	17	2	11	4
Monroe	5	2	2	1	Lancaster	22	8	11	3
Northampton	15	1	11	3	Montgomery	26	6	13	7
Pike	5	1	2	2	Philadelphia	76	22	48	6
Susquehanna	1	0	1	0	Schuylkill	9	1	6	2
Wayne	2	1	1	0					
Wyoming	1	0	1	0					

NOTE: * Unknowns included in totals.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

SUICIDE

- Suicide includes all deaths due to intentional self-harm and the sequelae or "late effects" of intentional self-harm. (see technical notes)
- Pennsylvania's annual age-adjusted rate for deaths due to suicide has not changed much during the 2000-2004 period. The annual rate in 2004 was 11.0 per 100,000, compared to 10.1 in 2001. (refer Table 7A)
- The annual number of suicides among residents during 2004 was 1,397, similar to the 1,348 that were reported in 2000. (refer Table 7A)
- The national Healthy People 2010 objective for an age-adjusted death rate is set at 5.0 suicides or less per 100,000. Pennsylvania's rates have remained at more than twice that figure every year since 2000. (refer Table 7A)
- Males, especially white males, had the highest annual age-adjusted death rates for suicide among the four sex/race groups during 2000-2004. The 2004 rate for white males was 19.4 per 100,000 – 55% higher than the second highest rate of 12.5 for black males. (refer Table 7B)
- The annual age-adjusted death rates for suicide among females during 2000-2004 were considerably lower than the rates for all males. In 2004, the female rate was 4.2, compared to 18.5 for all males. (refer Table 7B)
- The annual age-adjusted suicide death rates for white males and females have not changed much over the five-year period of 2000-2004. The rates for black males peaked in 2002 at 14.7, but have been declining since then. (refer Table 7B)
- As occurred with the age-adjusted death rates, the 2000-2004 age-specific death rates for suicide were highest among males, especially white males. (refer Table 7C)
- Among males of all races, age-specific death rates were highest for the age groups between the ages of 35-39 (24.6), 40-44 (26.9), and 45-49 (26.1) and especially those aged 75 and older. Among females, the highest age-specific death rates were for those age groups from 30 to 59 years of age. (refer Table 7C)
- Residents aged 20-54 years of age accounted for 66%, or 4,403, of the total 6,667 suicide deaths that were reported during the five-year period of 2000-2004. Older residents (aged 65+) accounted for another 16% of these deaths. (refer Table 7C)
- Four counties (Bedford, Cambria, Luzerne, and Schuylkill) had average annual age-adjusted death rates for 2000-2004 that were significantly higher than the corresponding state rate. (refer Table 7D)
- Five counties (Chester, Delaware, Lancaster, Mercer, and Montgomery) had average annual age-adjusted death rates for 2000-2004 that were significantly lower than the corresponding state rate. (refer Table 7D)
- Nine small, mostly rural counties had less than 20 suicides among residents during the five-year period of 2000-2004. (refer Table 7D)

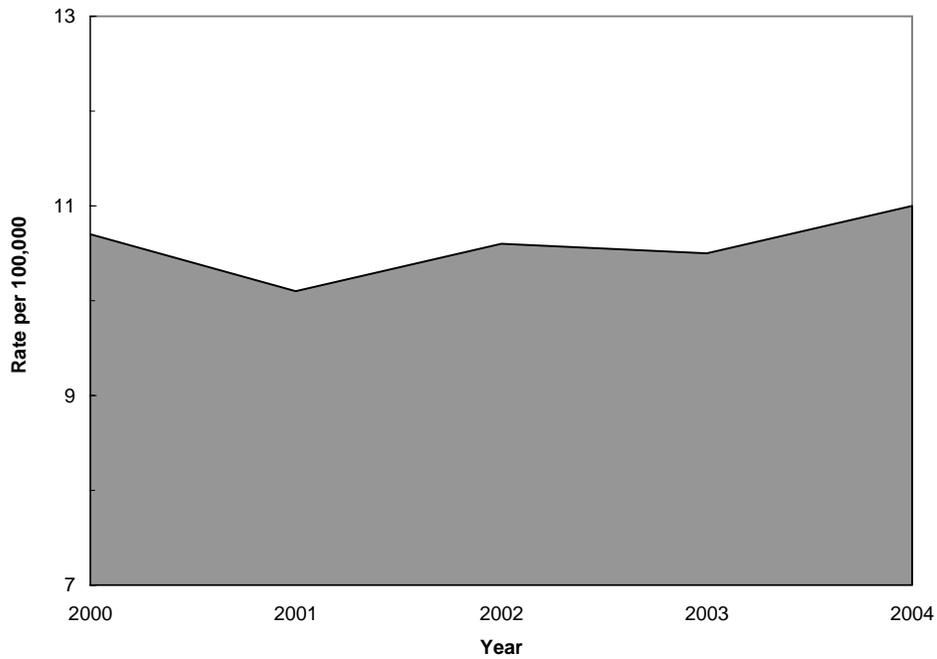
**HIGHEST AGE-ADJUSTED DEATH RATES:
Males, especially white males (Table 7B)**

**HIGHEST AGE-SPECIFIC DEATH RATES:
Males, especially elderly white males (Table 7C)**

**TABLE 7A: SUICIDE
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	NO.	RATE
2000	1,348	10.7
2001	1,266	10.1
2002	1,326	10.6
2003	1,330	10.5
2004	1,397	11.0

NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.



**National Healthy People 2010 Objective 18-01:
Reduce suicides to no more than 5.0 per 100,000.**

TABLE 7B: SUICIDE
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004

YEAR	MALES						FEMALES					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
2000	1,105	18.6	1,023	19.6	70	12.6	243	3.8	226	4.1	14	2.2
2001	1,043	17.5	973	18.7	59	10.4	223	3.5	207	3.8	9	1.4
2002	1,091	18.2	997	18.8	84	14.7	235	3.6	219	3.9	12	1.9
2003	1,088	18.0	1,000	18.8	79	13.3	242	3.8	219	3.9	18	2.7
2004	1,125	18.5	1,043	19.4	72	12.5	272	4.2	254	4.5	16	2.3

NOTES: Age-Adjusted rates are computed by the direct method using the 2000 U.S. standard million population. Rates are per 100,000.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

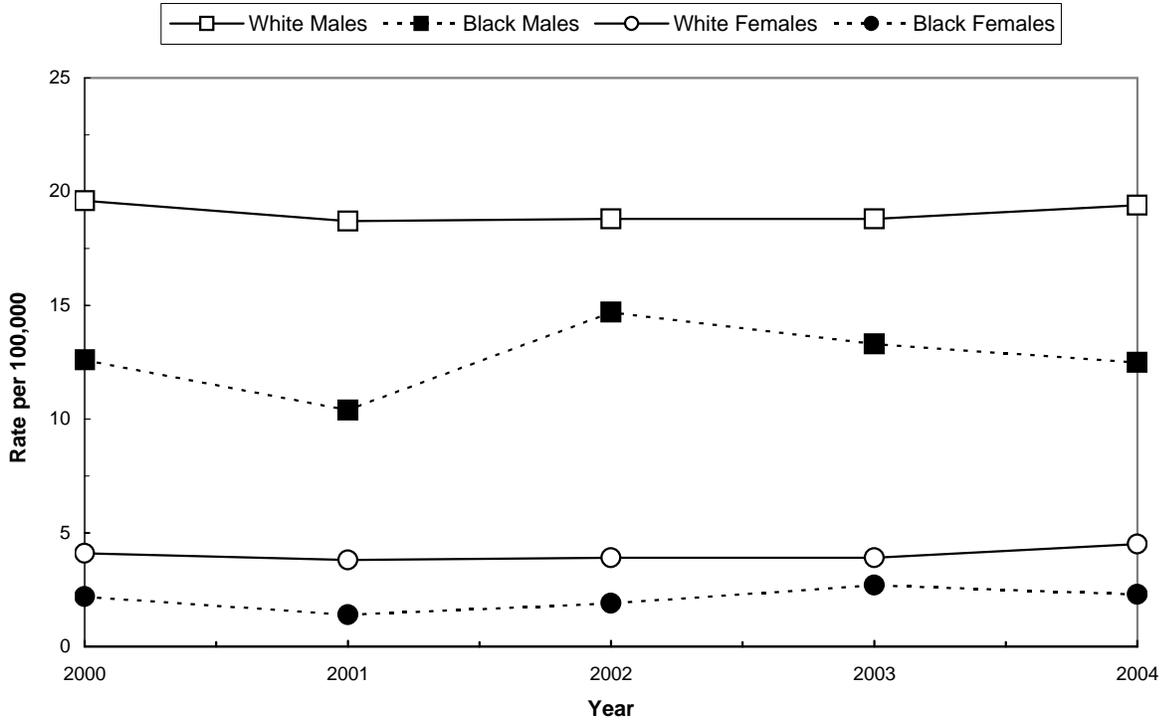


TABLE 7C: SUICIDE
TOTAL NUMBER OF DEATHS AND AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004

AGE GROUP	ALL DEATHS NO. RATE		MALES						FEMALES					
			ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE		ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE	
TOTAL ***	6,667	10.8	5,452	18.3	5,036	19.6	364	12.2	1,215	3.8	1,125	4.1	69	2.1
< 5	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	2	0.1	2	0.1	1	0.1	1	0.4	0	-	0	-	0	-
10-14	70	1.7	51	2.3	41	2.3	10	3.5	19	0.9	15	0.9	4	1.4
15-19	337	7.6	275	12.2	249	13.3	24	8.7	62	2.8	55	3.0	4	1.5
20-24	484	12.3	429	21.5	372	22.6	50	20.9	55	2.8	45	2.8	9	3.7
25-29	487	13.6	414	23.0	351	23.6	56	26.6	73	4.1	64	4.4	6	2.7
30-34	524	13.2	433	21.9	370	22.2	56	26.5	91	4.6	79	4.7	11	4.8
35-39	678	15.0	548	24.6	501	26.1	39	17.6	130	5.7	121	6.2	9	3.6
40-44	815	16.8	644	26.9	606	28.9	35	15.9	171	7.0	164	7.7	6	2.4
45-49	773	16.6	598	26.1	569	28.0	28	14.4	175	7.4	170	8.2	3	1.3
50-54	642	15.4	477	23.4	454	24.9	18	11.3	165	7.8	155	8.3	6	3.1
55-59	460	13.5	375	22.9	360	24.3	13	10.8	85	4.8	78	5.0	5	3.3
60-64	316	11.5	269	20.7	258	21.9	9	9.7	47	3.2	44	3.4	1	0.8
65-69	217	8.9	184	16.6	174	17.1	9	12.0	33	2.5	32	2.7	1	0.9
70-74	248	10.6	212	20.9	205	21.9	6	9.8	36	2.7	35	2.9	1	1.0
75-79	276	13.4	242	29.2	240	31.1	2	4.3	34	2.8	34	3.0	0	-
80-84	198	13.5	177	33.1	173	34.5	4	14.5	21	2.3	17	2.0	2	3.7
85 +	132	10.8	114	33.2	109	33.8	3	17.3	18	2.1	17	2.1	1	2.0

*** Unknown age included in totals.

NOTES: Rates are per 100,000 population (2000-2004) for each specified group.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

FIGURE 7A: SUICIDE
AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES
BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2000-2004

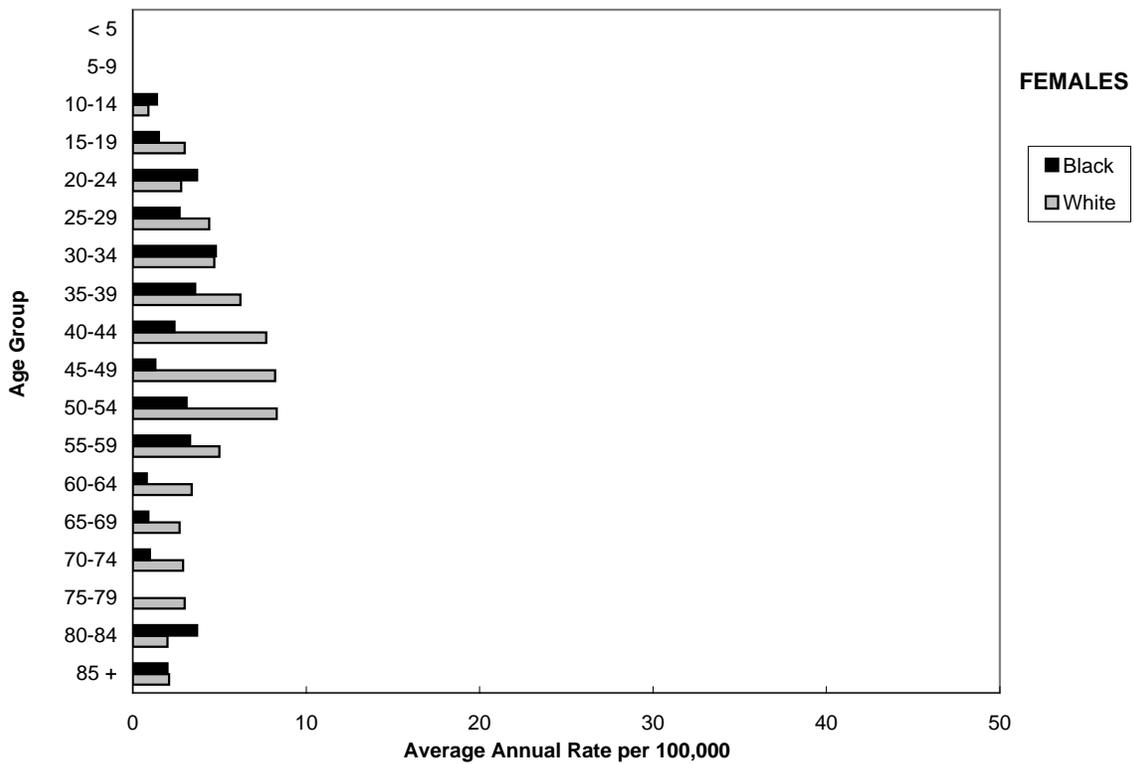
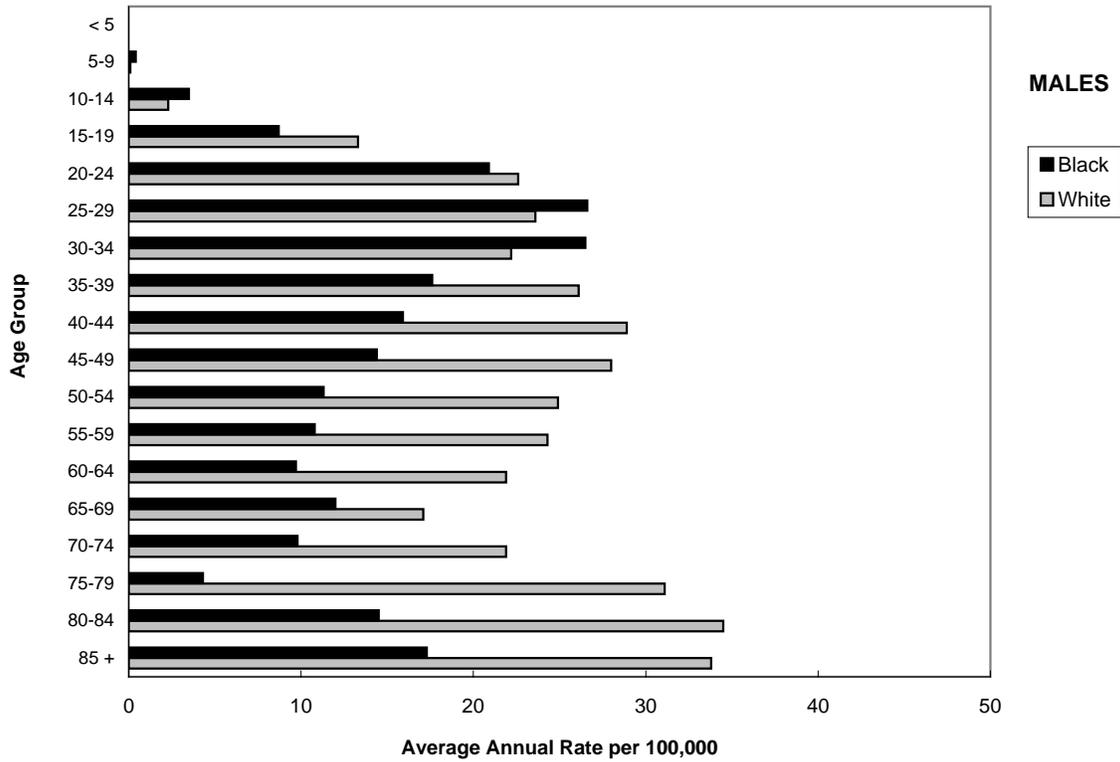


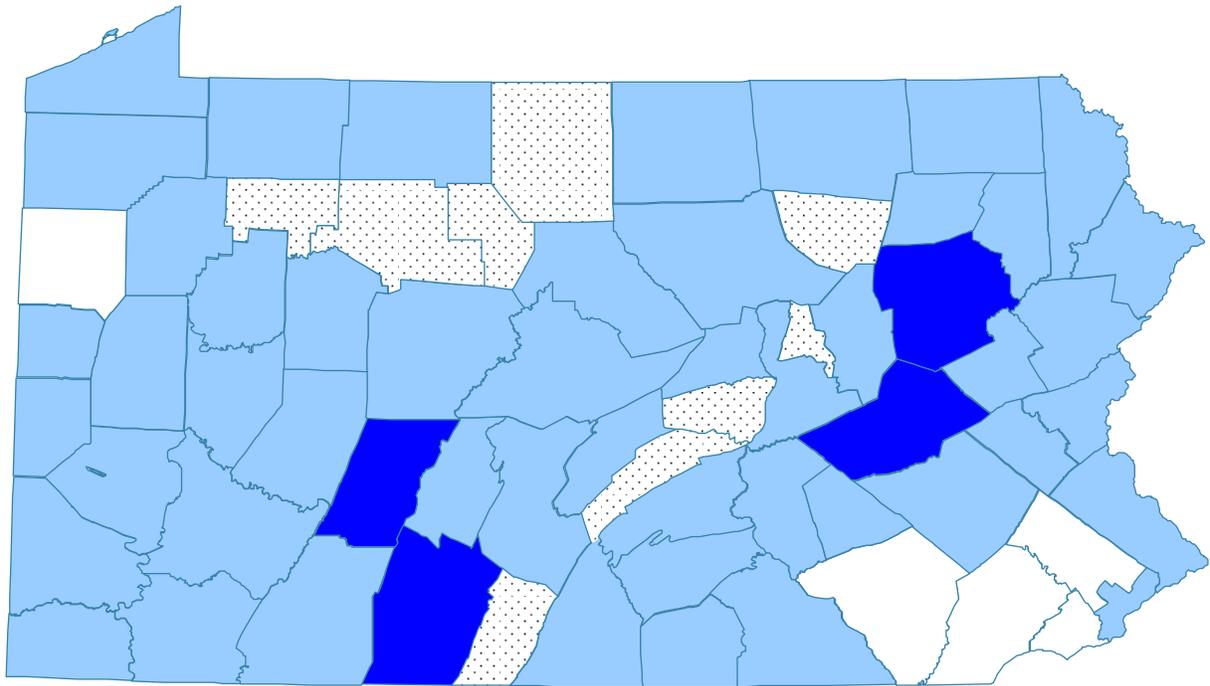
TABLE 7D: SUICIDE
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004

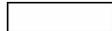
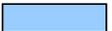
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Adams	47	9.8	7.00-12.60	Lackawanna	121	11.5	9.45-13.55
Allegheny	722	11.0	10.20-11.80	Lancaster	210	8.9	7.70-10.10 -
Armstrong	45	12.4	8.78-16.02	Lawrence	56	11.7	8.64-14.76
Beaver	100	10.6	8.52-12.68	Lebanon	57	9.3	6.89-11.71
Bedford	48	19.7	14.13-25.27 +	Lehigh	179	11.0	9.39-12.61
Berks	233	11.8	10.28-13.32	Luzerne	211	13.4	11.59-15.21 +
Blair	83	12.3	9.65-14.95	Lycoming	53	8.6	6.28-10.92
Bradford	37	11.1	7.52-14.68	McKean	34	14.9	9.89-19.91
Bucks	299	9.8	8.69-10.91	Mercer	49	7.7	5.54-9.86 -
Butler	91	10.2	8.10-12.30	Mifflin	35	14.5	9.70-19.30
Cambria	115	14.9	12.18-17.62 +	Monroe	89	11.6	9.19-14.01
Cameron	3	8.8		Montgomery	343	8.8	7.87-9.73 -
Carbon	40	12.8	8.83-16.77	Montour	6	6.0	
Centre	57	9.2	6.81-11.59	Northampton	132	9.4	7.80-11.00
Chester	184	8.1	6.93-9.27 -	Northumberland	40	8.5	5.87-11.13
Clarion	23	11.4	6.74-16.06	Perry	29	12.7	8.08-17.32
Clearfield	58	13.1	9.73-16.47	Philadelphia	775	10.5	9.76-11.24
Clinton	24	12.2	7.32-17.08	Pike	36	14.5	9.76-19.24
Columbia	35	9.8	6.55-13.05	Potter	16	16.8	
Crawford	47	10.1	7.21-12.99	Schuylkill	121	15.9	13.07-18.73 +
Cumberland	109	9.6	7.80-11.40	Snyder	16	8.6	
Dauphin	123	9.5	7.82-11.18	Somerset	49	11.7	8.42-14.98
Delaware	261	9.4	8.26-10.54 -	Sullivan	4	12.2	
Elk	14	8.2		Susquehanna	25	11.3	6.87-15.73
Erie	128	9.2	7.61-10.79	Tioga	24	11.9	7.14-16.66
Fayette	93	12.7	10.12-15.28	Union	25	11.4	6.93-15.87
Forest	7	28.2		Venango	34	11.5	7.63-15.37
Franklin	59	8.8	6.55-11.05	Warren	21	9.3	5.32-13.28
Fulton	11	15.3		Washington	108	9.8	7.95-11.65
Greene	26	12.3	7.57-17.03	Wayne	39	15.4	10.57-20.23
Huntingdon	28	11.8	7.43-16.17	Westmoreland	227	11.7	10.18-13.22
Indiana	48	11.1	7.96-14.24	Wyoming	22	15.3	8.91-21.69
Jefferson	36	15.3	10.30-20.30	York	238	11.9	10.39-13.41
Juniata	9	7.8					
				Pennsylvania	6,667	10.6	10.35-10.85

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

FIGURE 7B: SUICIDE
AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS
BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004



 Significantly lower than the state	 Not significantly higher or lower than the state
 Significantly higher than the state	 Less than 20 events - statistically unreliable

**TABLE 7E: SUICIDE
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY COUNTY
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	6,667	409	5,179	1,071					
Adams	47	6	36	5	Lackawanna	121	8	99	14
Allegheny	722	40	568	113	Lancaster	210	13	173	24
Armstrong	45	0	38	7	Lawrence	56	4	42	10
Beaver	100	3	75	22	Lebanon	57	4	47	6
Bedford	48	5	35	8	Lehigh	179	12	140	27
Berks	233	13	170	50	Luzerne	211	12	174	25
Blair	83	7	58	18	Lycoming	53	4	40	9
Bradford	37	3	20	14	McKean	34	3	28	3
Bucks	299	20	236	43	Mercer	49	4	31	14
Butler	91	8	68	15	Mifflin	35	1	28	6
Cambria	115	9	87	19	Monroe	89	7	73	9
Cameron	3	0	2	1	Montgomery	343	12	283	48
Carbon	40	0	32	7	Montour	6	1	3	2
Centre	57	4	47	6	Northampton	132	7	104	21
Chester	184	13	139	31	Northumberland	40	5	30	5
Clarion	23	1	17	5	Perry	29	0	24	5
Clearfield	58	4	41	13	Philadelphia	775	51	628	96
Clinton	24	1	17	6	Pike	36	0	25	11
Columbia	35	3	23	9	Potter	16	3	9	4
Crawford	47	3	35	9	Schuylkill	121	9	92	20
Cumberland	109	11	79	19	Snyder	16	0	14	2
Dauphin	123	4	97	22	Somerset	49	4	35	6
Delaware	261	16	211	33	Sullivan	4	0	3	1
Elk	14	2	9	3	Susquehanna	25	1	17	7
Erie	128	8	99	21	Tioga	24	2	20	2
Fayette	93	7	74	12	Union	25	1	16	8
Forest	7	0	6	1	Venango	34	3	25	6
Franklin	59	1	48	10	Warren	21	1	17	3
Fulton	11	1	9	1	Washington	108	5	77	26
Greene	26	2	22	2	Wayne	39	0	30	9
Huntingdon	28	2	20	6	Westmoreland	227	8	172	47
Indiana	48	3	36	9	Wyoming	22	1	18	3
Jefferson	36	4	26	6	York	238	18	175	45
Juniata	9	1	7	1					

* Unknown age included in totals.

NOTE: Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

TABLE 7F: SUICIDE

**NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY HEALTH DISTRICT, PENNSYLVANIA RESIDENTS, 2000-2004**

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northwest	510	10.5	9.59-11.41	Southwest	1,624	11.3	10.75-11.85 +
Cameron	3	8.8		Allegheny	722	11.0	10.20-11.80
Clarion	23	11.4	6.74-16.06	Armstrong	45	12.4	8.78-16.02
Clearfield	58	13.1	9.73-16.47	Beaver	100	10.6	8.52-12.68
Crawford	47	10.1	7.21-12.99	Butler	91	10.2	8.10-12.30
Elk	14	8.2		Cambria	115	14.9	12.18-17.62 +
Erie	128	9.2	7.61-10.79	Fayette	93	12.7	10.12-15.28
Forest	7	28.2		Greene	26	12.3	7.57-17.03
Jefferson	36	15.3	10.30-20.30	Indiana	48	11.1	7.96-14.24
Lawrence	56	11.7	8.64-14.76	Somerset	49	11.7	8.42-14.98
McKean	34	14.9	9.89-19.91	Washington	108	9.8	7.95-11.65
Mercer	49	7.7	5.54-9.86 -	Westmoreland	227	11.7	10.18-13.22
Venango	34	11.5	7.63-15.37				
Warren	21	9.3	5.32-13.28				
North Central	337	9.6	8.58-10.62	South Central	876	10.9	10.18-11.62
Bradford	37	11.1	7.52-14.68	Adams	47	9.8	7.00-12.60
Centre	57	9.2	6.81-11.59	Bedford	48	19.7	14.13-25.27 +
Clinton	24	12.2	7.32-17.08	Blair	83	12.3	9.65-14.95
Columbia	35	9.8	6.55-13.05	Cumberland	109	9.6	7.80-11.40
Lycoming	53	8.6	6.28-10.92	Dauphin	123	9.5	7.82-11.18
Montour	6	6.0		Franklin	59	8.8	6.55-11.05
Northumberland	40	8.5	5.87-11.13	Fulton	11	15.3	
Potter	16	16.8		Huntingdon	28	11.8	7.43-16.17
Snyder	16	8.6		Juniata	9	7.8	
Sullivan	4	12.2		Lebanon	57	9.3	6.89-11.71
Tioga	24	11.9	7.14-16.66	Mifflin	35	14.5	9.70-19.30
Union	25	11.4	6.93-15.87	Perry	29	12.7	8.08-17.32
				York	238	11.9	10.39-13.41
Northeast	894	11.7	10.93-12.47 +	Southeast	2,426	9.9	9.51-10.29 -
Carbon	40	12.8	8.83-16.77	Berks	233	11.8	10.28-13.32
Lackawanna	121	11.5	9.45-13.55	Bucks	299	9.8	8.69-10.91
Lehigh	179	11.0	9.39-12.61	Chester	184	8.1	6.93-9.27 -
Luzerne	211	13.4	11.59-15.21 +	Delaware	261	9.4	8.26-10.54 -
Monroe	89	11.6	9.19-14.01	Lancaster	210	8.9	7.70-10.10 -
Northampton	132	9.4	7.80-11.00	Montgomery	343	8.8	7.87-9.73 -
Pike	36	14.5	9.76-19.24	Philadelphia	775	10.5	9.76-11.24
Susquehanna	25	11.3	6.87-15.73	Schuylkill	121	15.9	13.07-18.73 +
Wayne	39	15.4	10.57-20.23				
Wyoming	22	15.3	8.91-21.69				
				Pennsylvania	6,667	10.6	10.35-10.85

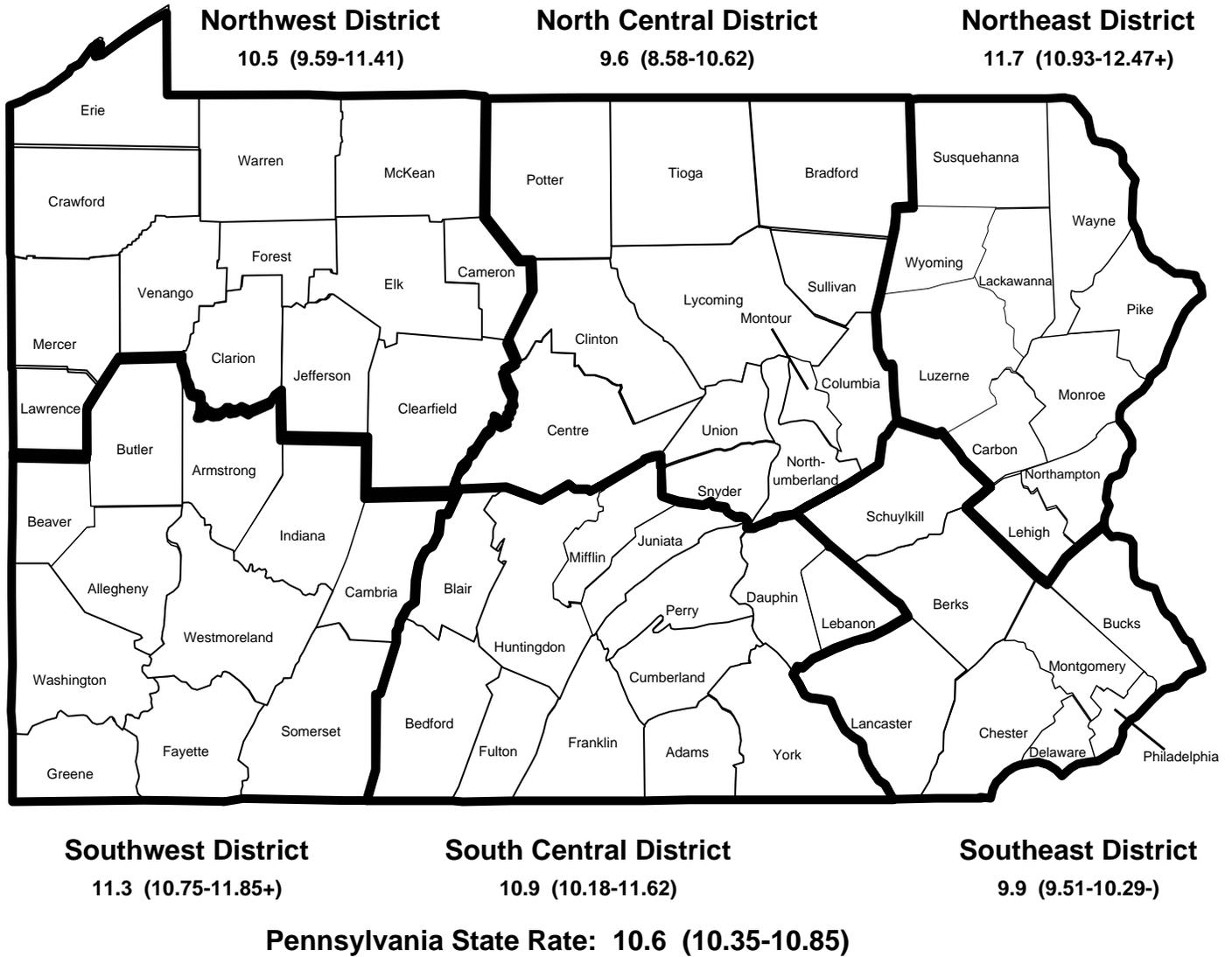
NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS

FIGURE 7C: SUICIDE

Pennsylvania Health Districts and Counties, 2000-2004



NOTE: A + or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**TABLE 7G: SUICIDE
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY HEALTH DISTRICT
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	6,667	409	5,179	1,071					
Northwest	510	37	378	95	Southwest	1,624	89	1,252	278
Cameron	3	0	2	1	Allegheny	722	40	568	113
Clarion	23	1	17	5	Armstrong	45	0	38	7
Clearfield	58	4	41	13	Beaver	100	3	75	22
Crawford	47	3	35	9	Butler	91	8	68	15
Elk	14	2	9	3	Cambria	115	9	87	19
Erie	128	8	99	21	Fayette	93	7	74	12
Forest	7	0	6	1	Greene	26	2	22	2
Jefferson	36	4	26	6	Indiana	48	3	36	9
Lawrence	56	4	42	10	Somerset	49	4	35	6
McKean	34	3	28	3	Washington	108	5	77	26
Mercer	49	4	31	14	Westmoreland	227	8	172	47
Venango	34	3	25	6					
Warren	21	1	17	3					
North Central	337	27	242	68	South Central	876	61	663	152
Bradford	37	3	20	14	Adams	47	6	36	5
Centre	57	4	47	6	Bedford	48	5	35	8
Clinton	24	1	17	6	Blair	83	7	58	18
Columbia	35	3	23	9	Cumberland	109	11	79	19
Lycoming	53	4	40	9	Dauphin	123	4	97	22
Montour	6	1	3	2	Franklin	59	1	48	10
Northumberland	40	5	30	5	Fulton	11	1	9	1
Potter	16	3	9	4	Huntingdon	28	2	20	6
Snyder	16	0	14	2	Juniata	9	1	7	1
Sullivan	4	0	3	1	Lebanon	57	4	47	6
Tioga	24	2	20	2	Mifflin	35	1	28	6
Union	25	1	16	8	Perry	29	0	24	5
					York	238	18	175	45
Northeast	894	48	712	133	Southeast	2,426	147	1,932	345
Carbon	40	0	32	7	Berks	233	13	170	50
Lackawanna	121	8	99	14	Bucks	299	20	236	43
Lehigh	179	12	140	27	Chester	184	13	139	31
Luzerne	211	12	174	25	Delaware	261	16	211	33
Monroe	89	7	73	9	Lancaster	210	13	173	24
Northampton	132	7	104	21	Montgomery	343	12	283	48
Pike	36	0	25	11	Philadelphia	775	51	628	96
Susquehanna	25	1	17	7	Schuylkill	121	9	92	20
Wayne	39	0	30	9					
Wyoming	22	1	18	3					

NOTE: * Unknowns included in totals.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

HOMICIDE

- Homicide includes deaths due to assault and the sequelae or "late effects" of assault. It excludes legal intervention and operations of war. (see technical notes)
- The annual number and age-adjusted death rate for homicide among Pennsylvania residents has not changed much between 2000 and 2004. There were 679 deaths for a rate of 5.7 in 2004. (refer Table 8A)
- The national Healthy People 2010 objective is for an age-adjusted death rate of no more than 3.0 homicides per 100,000. Pennsylvania's rates have been almost twice as high as that goal every year since 2000. (refer Table 8A)
- The annual age-adjusted homicide death rates have not changed much over the five-year period of 2000-2004 for any of the four sex/race groups. (refer Table 8B)
- The 2004 age-adjusted homicide rate for black males was over 16 times higher than the rate for white males, 53.5 per 100,000 versus 3.2, respectively. The 2004 age-adjusted homicide rate for black females (8.3 per 100,000) was more than four times higher than the rate for white females (1.8). (refer Table 8B)
- Blacks (especially black males) had by far the highest annual age-adjusted death rates for homicide among the four sex/race groups during 2000-2004. The 2004 rate for black males was 53.5 per 100,000 – more than six times higher than the second highest rate of 8.3 for black females. (refer Table 8B)
- As occurred with the age-adjusted death rates, the 2000-2004 age-specific death rates for homicide were consistently much higher among black males. For example, the highest age-specific homicide rate for black males was 195.2 per 100,000 for the age group 20-24, 20 times higher than the rate of 9.6 for black females of the same age, 24 times higher than the comparable rate for white males (8.0), and 67 times higher than the comparable rate for white females (2.9). (refer Table 8C)
- The 2000-2004 age-specific homicide rates for black males rose dramatically at ages 15-19; peaked at ages 20-24; and then declined slowly. This pattern was similar for white males but with much lower rates. The age-specific rates for females were highest for the age groups from 20 to 44 years of age. (refer Table 8C)
- More than 17% or 578 of the total 3,294 homicides during 2000-2004 were to residents under 20 years of age. Approximately 5% were to residents aged 65 and older. (refer Table 8E)
- Philadelphians accounted for 48%, or 1,593, of the total homicides among Pennsylvania residents during 2000-2004. (refer Table 8E)
- Three counties (Allegheny, Berks, and Philadelphia) had average annual age-adjusted death rates for 2000-2004 that were significantly higher than the corresponding state rate. (refer Table 8D)
- Fourteen counties had average annual age-adjusted death rates for 2000-2004 that were significantly lower than the corresponding state rate. (refer Table 8D)

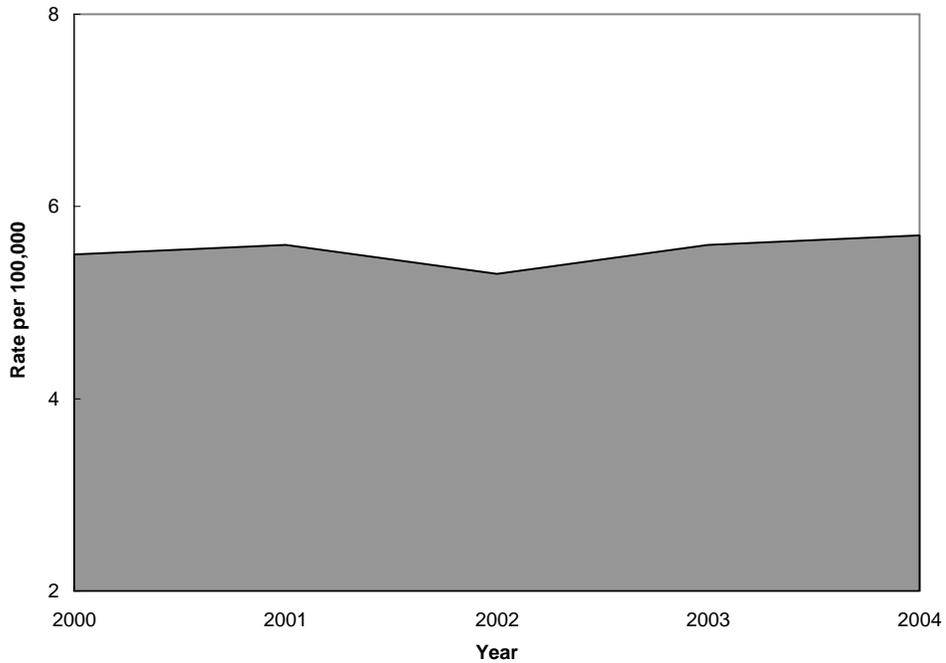
**HIGHEST AGE-ADJUSTED DEATH RATES:
Black males; Urban counties (Table 8B and Table 8D)**

**HIGHEST AGE-SPECIFIC DEATH RATES:
Young black males (ages 15-34) (Table 8C)**

**TABLE 8A: HOMICIDE
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	NO.	RATE
2000	649	5.5
2001	671	5.6
2002	629	5.3
2003	666	5.6
2004	679	5.7

NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

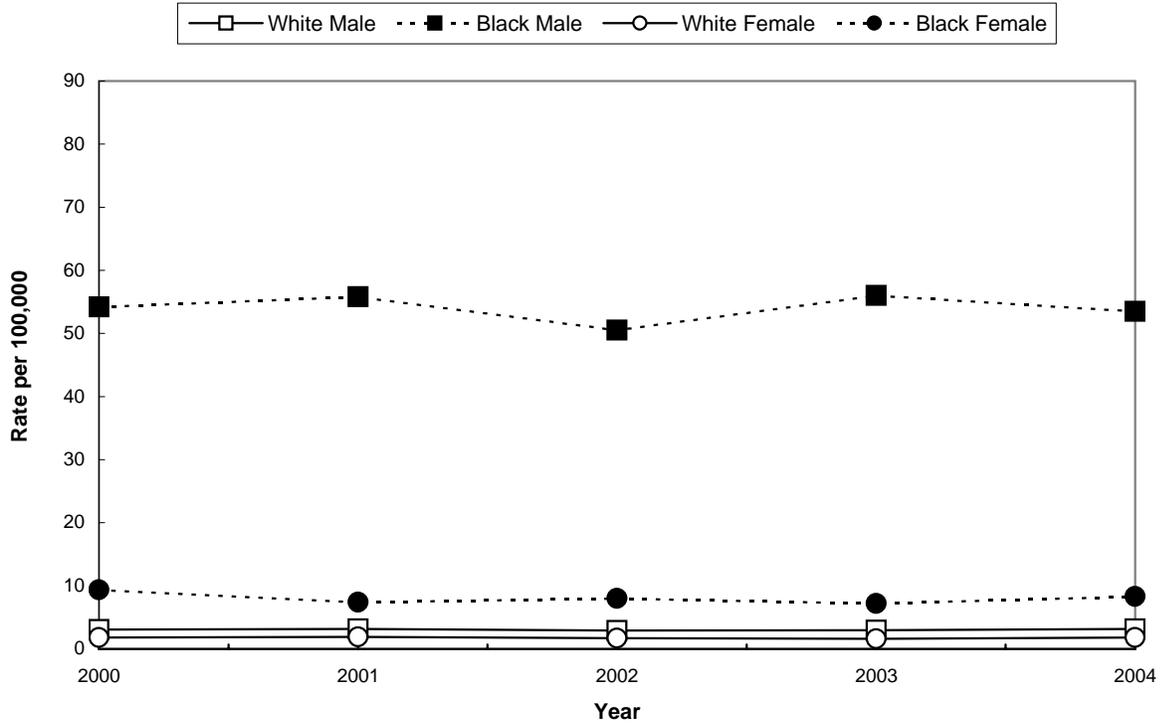


**National Healthy People 2010 Objective 15-32:
Reduce homicides to no more than 3.0 per 100,000.**

**TABLE 8B: HOMICIDE
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	MALES						FEMALES					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
2000	494	8.5	154	3.1	329	54.2	155	2.5	93	1.8	60	9.4
2001	519	8.8	160	3.2	339	55.8	152	2.5	100	1.9	48	7.4
2002	482	8.2	147	2.9	327	50.5	147	2.4	89	1.7	53	8.0
2003	526	8.8	152	3.0	366	56.0	140	2.3	87	1.6	48	7.2
2004	529	8.9	169	3.2	353	53.5	150	2.5	90	1.8	57	8.3

NOTES: Age-Adjusted rates are computed by the direct method using the 2000 U.S. standard million population. Rates are per 100,000.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.



**TABLE 8C: HOMICIDE
TOTAL NUMBER OF DEATHS AND AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

AGE GROUP	ALL DEATHS NO. RATE		MALES						FEMALES					
			ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE		ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE	
TOTAL ***	3,294	5.3	2,550	8.5	782	3.0	1,714	57.3	744	2.3	459	1.7	266	8.0
< 5	126	3.4	62	3.3	31	2.0	31	12.5	64	3.6	44	3.0	20	8.4
5-9	33	0.8	15	0.7	7	0.4	7	2.5	18	0.9	11	0.7	7	2.6
10-14	39	0.9	21	1.0	8	0.4	13	4.5	18	0.9	6	0.4	11	3.9
15-19	380	8.5	327	14.5	64	3.4	259	93.8	53	2.4	29	1.6	24	9.0
20-24	673	17.0	602	30.2	132	8.0	466	195.2	71	3.6	47	2.9	23	9.6
25-29	500	14.0	425	23.6	94	6.3	327	155.2	75	4.2	39	2.7	32	14.6
30-34	365	9.2	284	14.4	75	4.5	197	93.2	81	4.1	41	2.5	34	14.8
35-39	281	6.2	211	9.5	67	3.5	138	62.2	70	3.1	42	2.2	26	10.5
40-44	266	5.5	191	8.0	88	4.2	98	44.4	75	3.1	49	2.3	24	9.6
45-49	186	4.0	124	5.4	54	2.7	63	32.4	62	2.6	47	2.3	14	6.2
50-54	126	3.0	86	4.2	42	2.3	40	25.2	40	1.9	19	1.0	21	11.0
55-59	95	2.8	73	4.5	43	2.9	26	21.7	22	1.2	14	0.9	7	4.6
60-64	52	1.9	29	2.2	17	1.4	11	11.9	23	1.6	15	1.2	8	6.5
65-69	55	2.2	35	3.2	17	1.7	17	22.7	20	1.5	15	1.2	4	3.7
70-74	28	1.2	19	1.9	13	1.4	6	9.8	9	0.7	7	0.6	2	2.1
75-79	38	1.8	19	2.3	11	1.4	8	17.2	19	1.5	15	1.3	4	5.1
80-84	28	1.9	17	3.2	12	2.4	5	18.1	11	1.2	9	1.0	2	3.7
85 +	19	1.6	7	2.0	5	1.6	2	11.5	12	1.4	9	1.1	3	6.0

*** Unknown age included in totals.

NOTES: Rates are per 100,000 population (1999-2003) for each specified group.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

**FIGURE 8A: HOMICIDE
AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES
BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2000-2004**

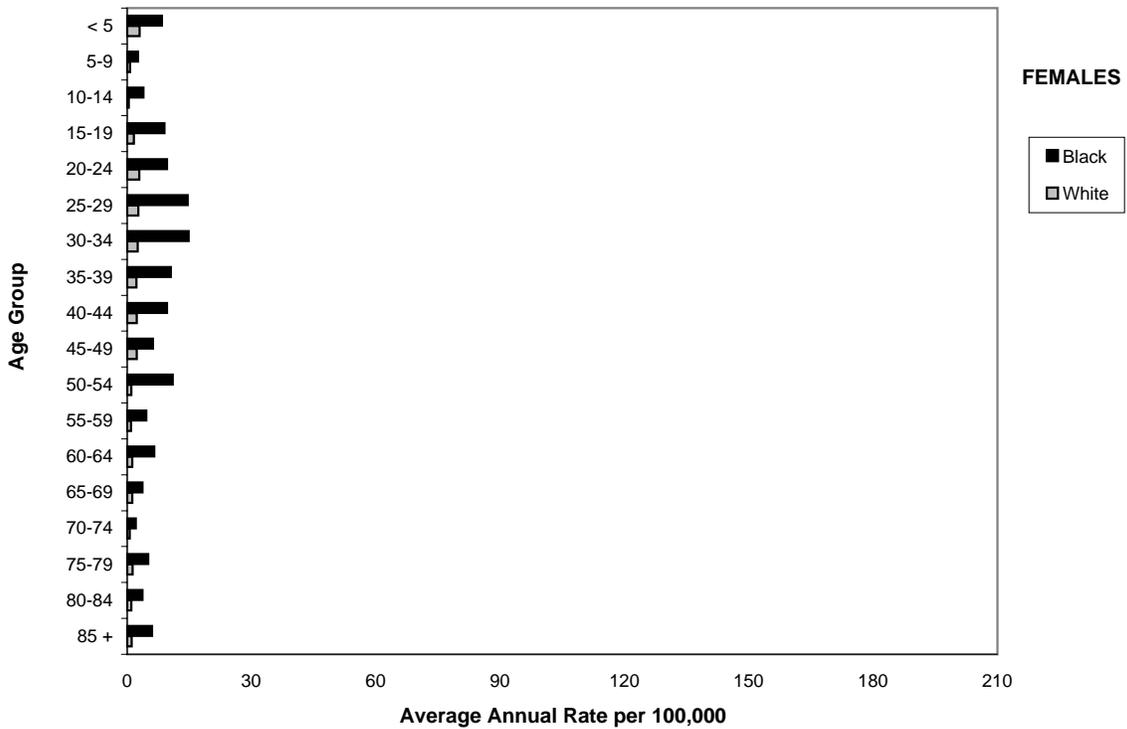
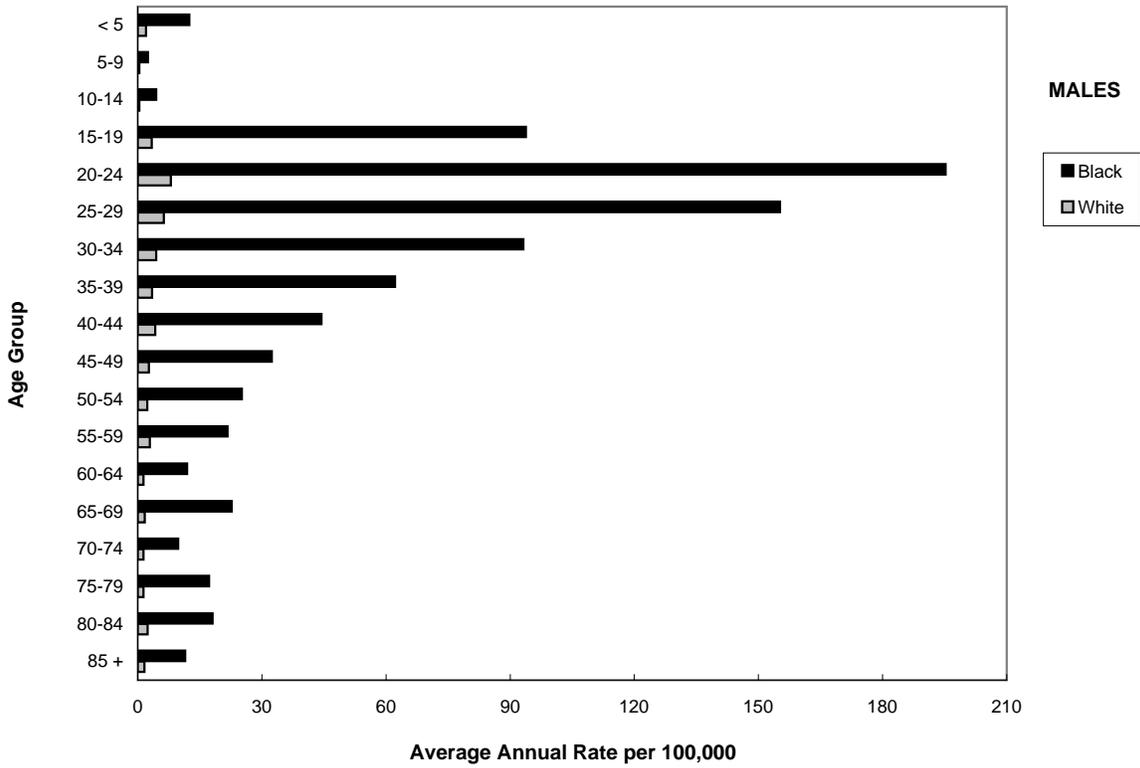


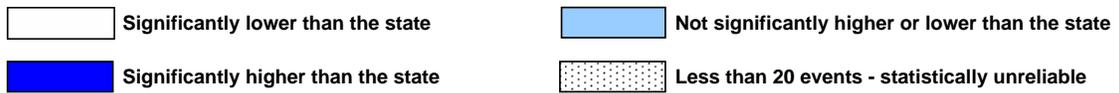
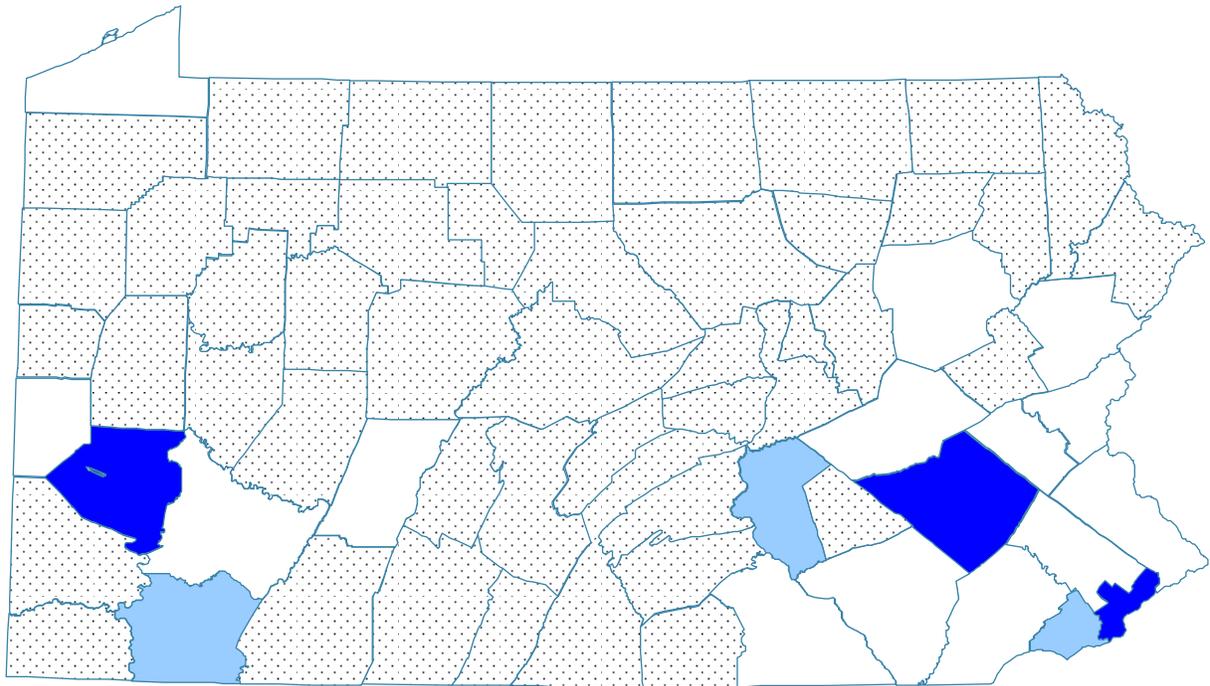
TABLE 8D: HOMICIDE
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004

County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Adams	8	1.7		Lackawanna	18	1.8	
Allegheny	432	7.2	6.52-7.88 +	Lancaster	58	2.5	1.86-3.14 -
Armstrong	13	4.0		Lawrence	10	2.3	
Beaver	23	2.8	1.66-3.94 -	Lebanon	14	2.3	
Bedford	5	2.1		Lehigh	48	3.2	2.29-4.11 -
Berks	126	6.8	5.61-7.99 +	Luzerne	53	3.6	2.63-4.57 -
Blair	16	2.5		Lycoming	11	2.0	
Bradford	9	3.0		McKean	3	1.5	
Bucks	42	1.4	0.98-1.82 -	Mercer	15	2.7	
Butler	7	0.8		Mifflin	5	2.2	
Cambria	21	3.0	1.72-4.28 -	Monroe	28	4.0	2.52-5.48 -
Cameron	0	0.0		Montgomery	87	2.3	1.82-2.78 -
Carbon	8	2.4		Montour	1	1.3	
Centre	11	1.9		Northampton	36	2.7	1.82-3.58 -
Chester	25	1.2	0.73-1.67 -	Northumberland	8	1.9	
Clarion	3	1.8		Perry	5	2.3	
Clearfield	3	0.7		Philadelphia	1,593	20.7	19.68-21.72 +
Clinton	7	3.2		Pike	7	3.4	
Columbia	4	1.3		Potter	1	1.2	
Crawford	11	2.4		Schuylkill	20	3.0	1.69-4.31 -
Cumberland	12	1.2		Snyder	1	0.4	
Dauphin	68	5.8	4.42-7.18	Somerset	10	2.6	
Delaware	167	6.2	5.26-7.14	Sullivan	1	1.8	
Elk	0	0.0		Susquehanna	5	2.7	
Erie	29	2.1	1.34-2.86 -	Tioga	0	0.0	
Fayette	32	4.7	3.07-6.33	Union	6	2.8	
Forest	1	4.0		Venango	6	2.4	
Franklin	4	0.6		Warren	3	1.6	
Fulton	1	1.5		Washington	18	1.8	
Greene	5	2.5		Wayne	5	1.8	
Huntingdon	10	4.6		Westmoreland	45	2.6	1.84-3.36 -
Indiana	3	0.7		Wyoming	4	3.0	
Jefferson	3	1.5		York	57	3.0	2.22-3.78 -
Juniata	3	2.8					
				Pennsylvania	3,294	5.5	5.31-5.69

NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

FIGURE 8B: HOMICIDE
AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS
BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004



**TABLE 8E: HOMICIDE
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY COUNTY
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	3,294	578	2,544	168					
Adams	8	2	6	0	Lackawanna	18	3	14	1
Allegheny	432	86	316	30	Lancaster	58	24	32	2
Armstrong	13	3	10	0	Lawrence	10	0	10	0
Beaver	23	1	21	1	Lebanon	14	1	12	1
Bedford	5	0	5	0	Lehigh	48	8	38	2
Berks	126	22	96	8	Luzerne	53	8	43	2
Blair	16	1	11	4	Lycoming	11	3	7	1
Bradford	9	1	7	1	McKean	3	1	2	0
Bucks	42	2	39	1	Mercer	15	0	13	2
Butler	7	0	7	0	Mifflin	5	2	2	1
Cambria	21	5	13	3	Monroe	28	4	20	3
Cameron	0	0	0	0	Montgomery	87	15	60	12
Carbon	8	0	6	2	Montour	1	0	1	0
Centre	11	1	8	2	Northampton	36	5	27	4
Chester	25	4	18	3	Northumberland	8	3	5	0
Clarion	3	1	2	0	Perry	5	1	4	0
Clearfield	3	0	3	0	Philadelphia	1,593	261	1,282	48
Clinton	7	0	5	1	Pike	7	2	4	1
Columbia	4	0	4	0	Potter	1	1	0	0
Crawford	11	1	8	2	Schuylkill	20	7	12	1
Cumberland	12	4	7	1	Snyder	1	0	1	0
Dauphin	68	19	47	2	Somerset	10	1	8	1
Delaware	167	37	119	11	Sullivan	1	0	0	1
Elk	0	0	0	0	Susquehanna	5	0	5	0
Erie	29	5	24	0	Tioga	0	0	0	0
Fayette	32	4	25	3	Union	6	0	5	1
Forest	1	0	1	0	Venango	6	2	4	0
Franklin	4	2	2	0	Warren	3	0	3	0
Fulton	1	0	1	0	Washington	18	3	13	2
Greene	5	2	3	0	Wayne	5	0	3	2
Huntingdon	10	3	7	0	Westmoreland	45	7	35	3
Indiana	3	0	3	0	Wyoming	4	0	4	0
Jefferson	3	0	3	0	York	57	9	46	2
Juniata	3	1	2	0					

* Unknown age included in totals.

NOTE: Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

TABLE 8F: HOMICIDE
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY HEALTH DISTRICT, PENNSYLVANIA RESIDENTS, 2000-2004

<u>District/County</u>	<u>No.</u>	<u>Rate</u>	<u>CI (95%)</u>	<u>District/County</u>	<u>No.</u>	<u>Rate</u>	<u>CI (95%)</u>
Northwest	87	1.9	1.50-2.30 -	Southwest	609	4.6	4.23-4.97 -
Cameron	0	-		Allegheny	432	7.2	6.52-7.88 +
Clarion	3	1.8		Armstrong	13	4.0	
Clearfield	3	0.7		Beaver	23	2.8	1.66-3.94 -
Crawford	11	2.4		Butler	7	0.8	
Elk	0	-		Cambria	21	3.0	1.72-4.28 -
Erie	29	2.1	1.34-2.86 -	Fayette	32	4.7	3.07-6.33
Forest	1	4.0		Greene	5	2.5	
Jefferson	3	1.5		Indiana	3	0.7	
Lawrence	10	2.3		Somerset	10	2.6	
McKean	3	1.5		Washington	18	1.8	
Mercer	15	2.7		Westmoreland	45	2.6	1.84-3.36 -
Venango	6	2.4					
Warren	3	1.6					
North Central	60	1.8	1.34-2.26 -	South Central	208	2.8	2.42-3.18 -
Bradford	9	3.0		Adams	8	1.7	
Centre	11	1.9		Bedford	5	2.1	
Clinton	7	3.2		Blair	16	2.5	
Columbia	4	1.3		Cumberland	12	1.2	
Lycoming	11	2.0		Dauphin	68	5.8	4.42-7.18
Montour	1	1.3		Franklin	4	0.6	
Northumberland	8	1.9		Fulton	1	1.5	
Potter	1	1.2		Huntingdon	10	4.6	
Snyder	1	0.4		Juniata	3	2.8	
Sullivan	1	1.8		Lebanon	14	2.3	
Tioga	0	-		Mifflin	5	2.2	
Union	6	2.8		Perry	5	2.3	
				York	57	3.0	2.22-3.78 -
Northeast	212	2.9	2.51-3.29 -	Southeast	2,118	8.9	8.52-9.28 +
Carbon	8	2.4		Berks	126	6.8	5.61-7.99 +
Lackawanna	18	1.8		Bucks	42	1.4	0.98-1.82 -
Lehigh	48	3.2	2.29-4.11 -	Chester	25	1.2	0.73-1.67 -
Luzerne	53	3.6	2.63-4.57 -	Delaware	167	6.2	5.26-7.14
Monroe	28	4.0	2.52-5.48 -	Lancaster	58	2.5	1.86-3.14 -
Northampton	36	2.7	1.82-3.58 -	Montgomery	87	2.3	1.82-2.78 -
Pike	7	3.4		Philadelphia	1,593	20.7	19.68-21.72 +
Susquehanna	5	2.7		Schuylkill	20	3.0	1.69-4.31 -
Wayne	5	1.8					
Wyoming	4	3.0					
				Pennsylvania	3,294	5.5	5.31-5.69

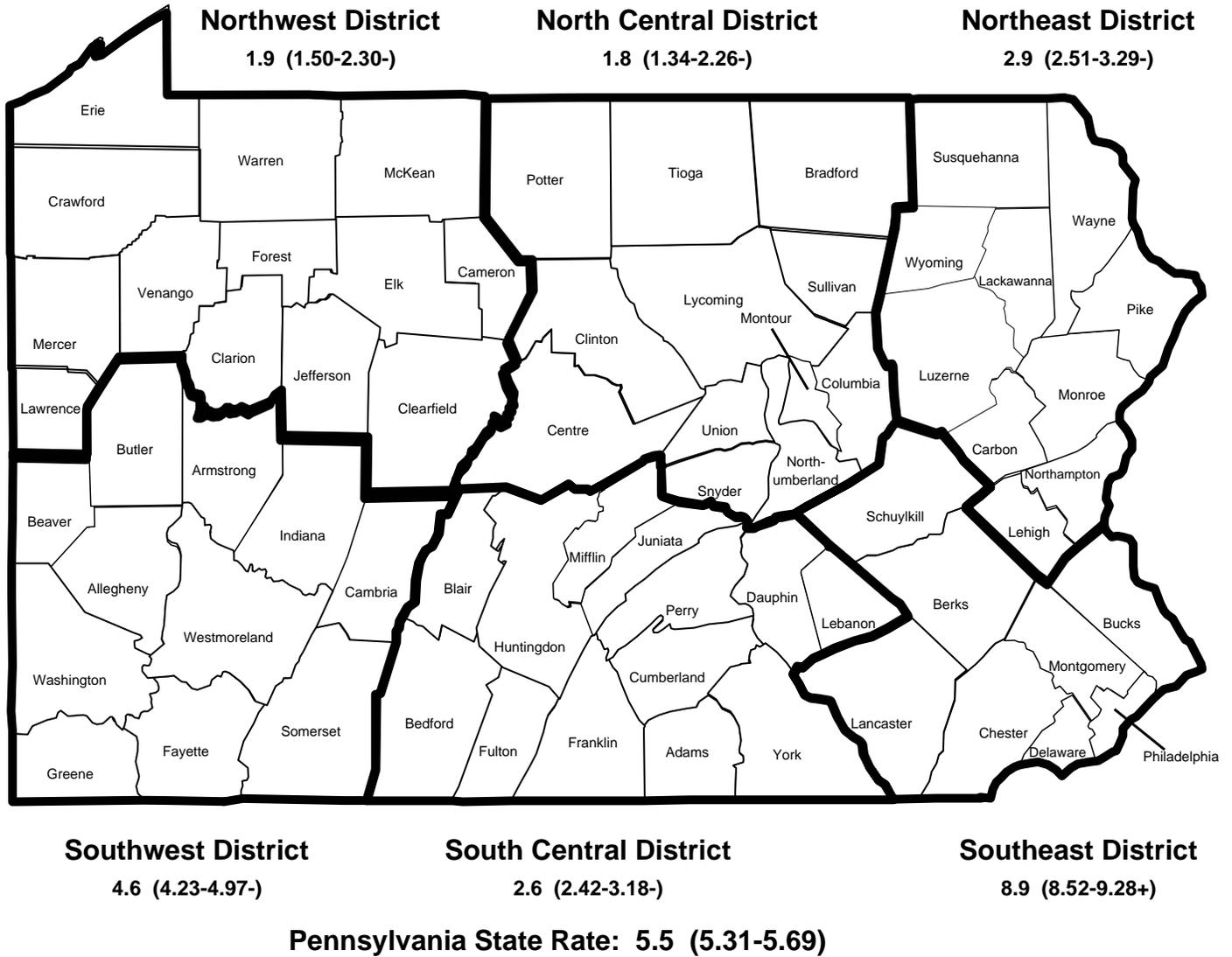
NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS

FIGURE 8C: HOMICIDE

Pennsylvania Health Districts and Counties, 2000-2004



NOTE: A + or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**TABLE 8G: HOMICIDE
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY HEALTH DISTRICT
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	3,294	578	2,544	168					
Northwest	87	10	73	4	Southwest	609	112	454	43
Cameron	0	0	0	0	Allegheny	432	86	316	30
Clarion	3	1	2	0	Armstrong	13	3	10	0
Clearfield	3	0	3	0	Beaver	23	1	21	1
Crawford	11	1	8	2	Butler	7	0	7	0
Elk	0	0	0	0	Cambria	21	5	13	3
Erie	29	5	24	0	Fayette	32	4	25	3
Forest	1	0	1	0	Greene	5	2	3	0
Jefferson	3	0	3	0	Indiana	3	0	3	0
Lawrence	10	0	10	0	Somerset	10	1	8	1
McKean	3	1	2	0	Washington	18	3	13	2
Mercer	15	0	13	2	Westmoreland	45	7	35	3
Venango	6	2	4	0					
Warren	3	0	3	0					
North Central	60	9	43	7	South Central	208	45	152	11
Bradford	9	1	7	1	Adams	8	2	6	0
Centre	11	1	8	2	Bedford	5	0	5	0
Clinton	7	0	5	1	Blair	16	1	11	4
Columbia	4	0	4	0	Cumberland	12	4	7	1
Lycoming	11	3	7	1	Dauphin	68	19	47	2
Montour	1	0	1	0	Franklin	4	2	2	0
Northumberland	8	3	5	0	Fulton	1	0	1	0
Potter	1	1	0	0	Huntingdon	10	3	7	0
Snyder	1	0	1	0	Juniata	3	1	2	0
Sullivan	1	0	0	1	Lebanon	14	1	12	1
Tioga	0	0	0	0	Mifflin	5	2	2	1
Union	6	0	5	1	Perry	5	1	4	0
					York	57	9	46	2
Northeast	212	30	164	17	Southeast	2,118	372	1,658	86
Carbon	8	0	6	2	Berks	126	22	96	8
Lackawanna	18	3	14	1	Bucks	42	2	39	1
Lehigh	48	8	38	2	Chester	25	4	18	3
Luzerne	53	8	43	2	Delaware	167	37	119	11
Monroe	28	4	20	3	Lancaster	58	24	32	2
Northampton	36	5	27	4	Montgomery	87	15	60	12
Pike	7	2	4	1	Philadelphia	1,593	261	1,282	48
Susquehanna	5	0	5	0	Schuylkill	20	7	12	1
Wayne	5	0	3	2					
Wyoming	4	0	4	0					

NOTE: * Unknowns included in totals.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

FIREARM-RELATED INJURIES

- Firearm-related injuries include deaths of unintentional, intentional, and undetermined intent caused by the discharge of a firearm. Deaths from legal intervention involving firearm discharge are also included. (see technical notes)
- The annual number and age-adjusted rate for firearm-related deaths among state residents generally has not changed much between 2000 and 2004. The highest annual number (1,264) was reported in 2004 for a rate of 10.1. The lowest annual number (1,169) and rate (9.5) was recorded in 2001. (refer Table 9A)
- Among the four sex/race groups, black males had, by far, the highest annual age-adjusted death rates during 2000-2004. For example, the 2004 rate for black males was 56.2 per 100,000, more than four times higher than the rate for white males (13.4), which was the second highest rate in 2004. (refer Table 9B)
- The annual age-adjusted death rates have shown no obvious trends throughout the five-year period of 2000-2004 among the four sex/race groups. However, the highest annual death rate among black males was recorded in 2004. (refer Table 9B)
- The 2000-2004 age-specific death rates were highest for black males for all the age groups under age 55. White males had the highest age-specific death rates for nearly all the age groups from age 55 and older. (refer Table 9C)
- The 2000-2004 age-specific death rates for black males rose dramatically at ages 15-19 (97.4); peaked at ages 20-24 (199.4); and then declined slowly. The rates for white males were high among the young (ages 20-44), then declined slightly, but rose again to their highest levels for the oldest age groups (ages 70+). The rates for females were highest between the ages of 25 and 49. (refer Table 9C)
- Approximately 27% or 1,633 of the total 6,101 firearm-related deaths during 2000-2004 were to residents of Philadelphia. (refer Table 9D)
- Three counties (Bedford, Fayette, and Philadelphia) had average annual age-adjusted death rates for firearm-related injuries during 2000-2004 that were significantly higher than the corresponding state rate. (refer Table 9D)
- Twenty counties had average annual age-adjusted death rates for firearm-related injuries during 2000-2004 that were significantly lower than the corresponding state rate. (refer Table 9D)

**HIGHEST AGE-ADJUSTED DEATH RATES:
Black males (Table 9B)**

**HIGHEST AGE-SPECIFIC DEATH RATES:
Young black males (ages 15-44) (Table 9C)**

**TABLE 9A: FIREARM-RELATED INJURIES
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES
PENNSYLVANIA RESIDENTS, 2000-2004**

YEAR	NO.	RATE
2000	1,249	10.1
2001	1,169	9.5
2002	1,199	9.7
2003	1,220	9.8
2004	1,264	10.1

NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Numbers include deaths due to legal intervention. Data for 2000-2004 based on ICD-10 cause of death codes. See Technical Notes.

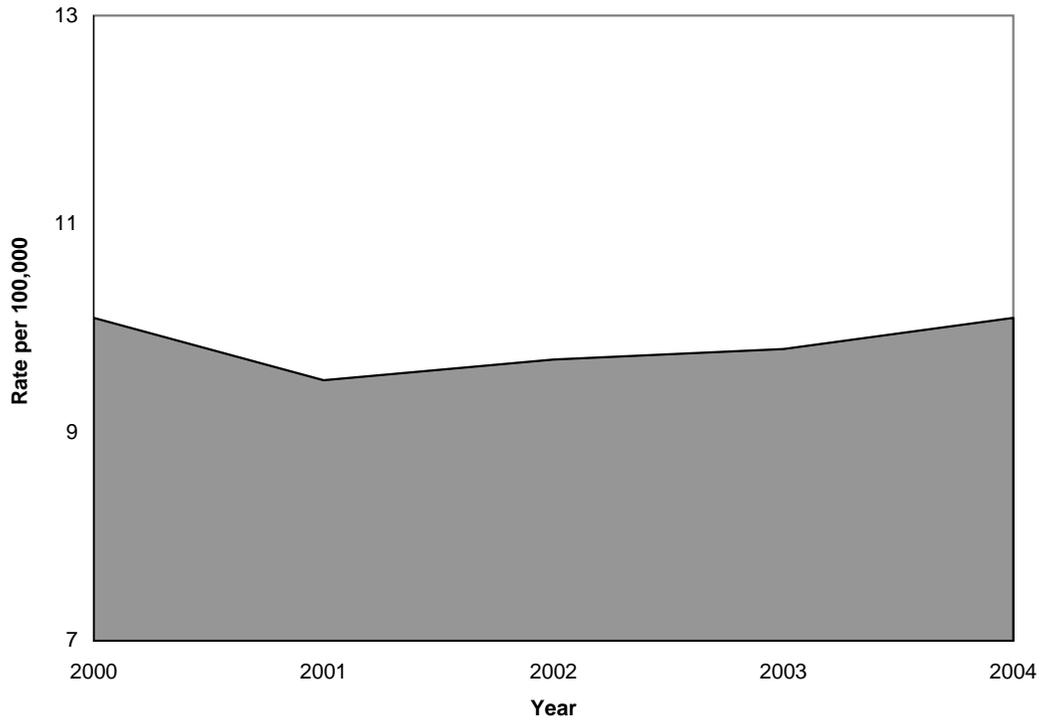
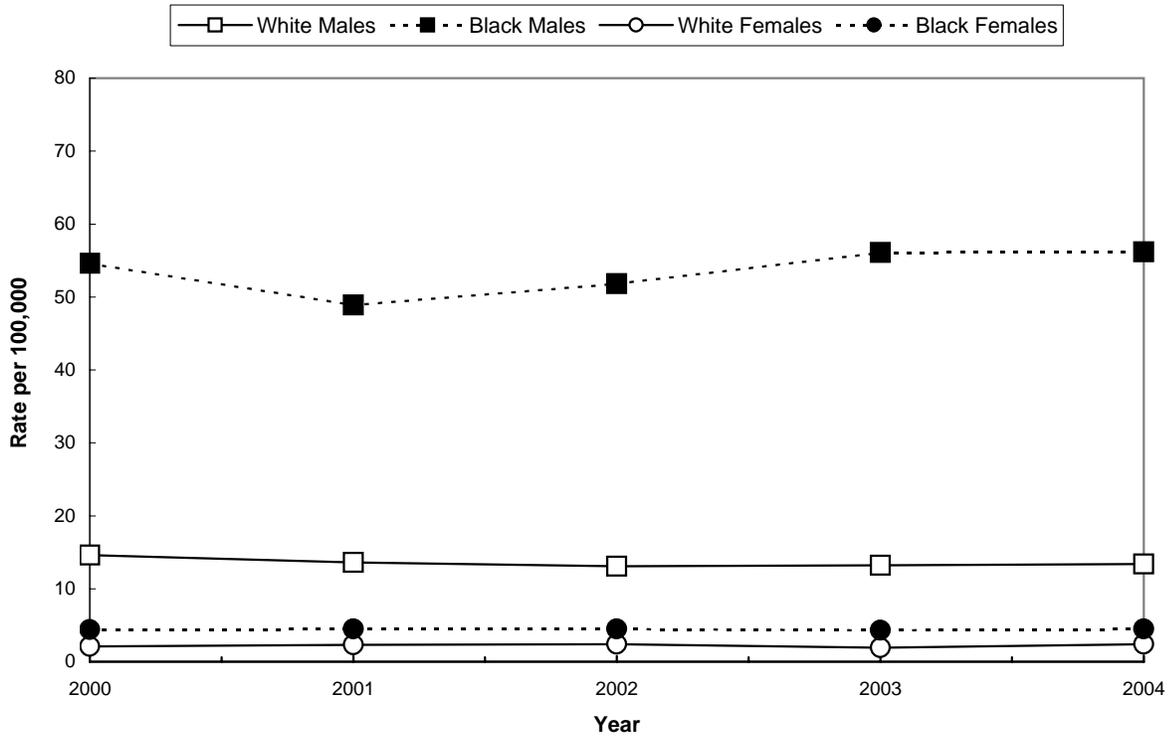


TABLE 9B: FIREARM-RELATED INJURIES
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004

YEAR	MALES						FEMALES					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
2000	1,106	18.7	762	14.6	330	54.6	143	2.2	114	2.1	28	4.4
2001	1,011	17.0	704	13.6	305	48.9	158	2.5	126	2.3	29	4.5
2002	1,034	17.3	692	13.1	334	51.8	165	2.6	132	2.4	30	4.5
2003	1,083	18.0	705	13.2	368	56.1	137	2.2	103	1.9	29	4.3
2004	1,104	18.2	725	13.4	372	56.2	160	2.6	128	2.4	31	4.5

NOTES: Age-Adjusted rates are computed by the direct method using the 2000 U.S. standard million population.
 Rates are per 100,000. Numbers include deaths due to legal intervention.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.



**TABLE 9C: FIREARM-RELATED INJURIES
TOTAL NUMBER OF DEATHS AND AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 2000-2004**

AGE GROUP	ALL DEATHS NO. RATE		MALES						FEMALES					
			ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE		ALL RACES NO. RATE		WHITE NO. RATE		BLACK NO. RATE	
TOTAL ***	6,101	9.9	5,338	17.9	3,588	14.0	1,709	57.2	763	2.4	603	2.2	147	4.4
< 5	8	0.2	4	0.2	2	0.1	2	0.8	4	0.2	3	0.2	1	0.4
5-9	12	0.3	8	0.4	4	0.2	4	1.4	4	0.2	2	0.1	2	0.7
10-14	46	1.1	32	1.5	19	1.1	13	4.5	14	0.7	7	0.4	7	2.5
15-19	521	11.7	470	20.8	195	10.4	269	97.4	51	2.3	35	1.9	15	5.6
20-24	853	21.6	796	39.9	312	19.0	476	199.4	57	2.9	38	2.4	18	7.5
25-29	700	19.5	634	35.2	274	18.4	356	168.9	66	3.7	41	2.8	22	10.1
30-34	560	14.1	483	24.5	258	15.5	215	101.7	77	3.9	56	3.4	18	7.8
35-39	523	11.6	443	19.9	300	15.6	138	62.2	80	3.5	66	3.4	12	4.8
40-44	582	12.0	474	19.8	381	18.2	91	41.2	108	4.4	92	4.3	15	6.0
45-49	489	10.5	402	17.5	347	17.1	54	27.8	87	3.7	79	3.8	7	3.1
50-54	416	10.0	343	16.8	307	16.8	35	22.0	73	3.4	57	3.0	15	7.9
55-59	303	8.9	263	16.0	246	16.6	15	12.5	40	2.3	36	2.3	4	2.6
60-64	238	8.7	208	16.0	199	16.9	8	8.6	30	2.1	26	2.0	4	3.3
65-69	186	7.6	161	14.5	145	14.3	16	21.3	25	1.9	21	1.7	4	3.7
70-74	203	8.7	182	18.0	177	18.9	5	8.1	21	1.6	20	1.6	1	1.0
75-79	217	10.5	203	24.5	200	25.9	3	6.5	14	1.1	13	1.1	1	1.3
80-84	146	10.0	139	26.0	133	26.5	6	21.7	7	0.8	6	0.7	1	1.8
85 +	94	7.7	90	26.2	86	26.7	3	17.3	4	0.5	4	0.5	0	-

*** Unknown age included in totals.

NOTES: Rates are per 100,000 population (1999-2003) for each specified group.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

**FIGURE 9A: FIREARM-RELATED INJURIES
 AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES
 BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2000-2004**

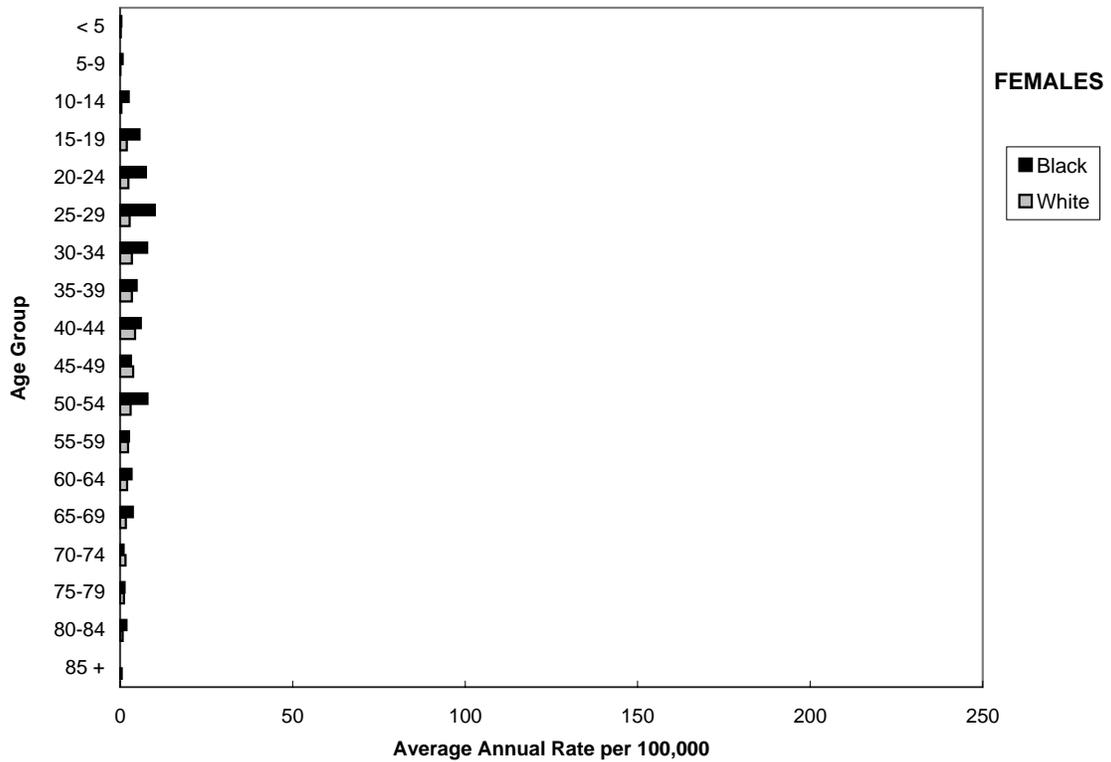
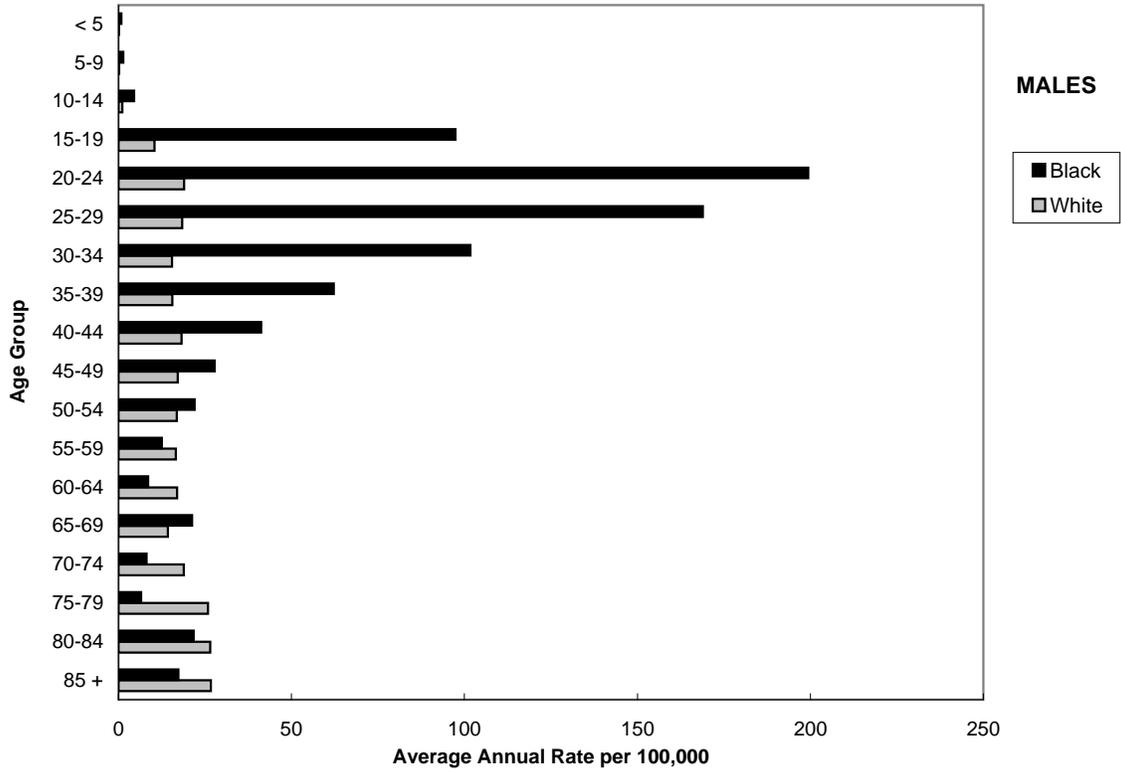


TABLE 9D: FIREARM-RELATED INJURIES
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004

County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Adams	36	7.5	5.05-9.95	Lackawanna	66	6.2	4.70-7.70 -
Allegheny	668	10.6	9.80-11.40	Lancaster	137	5.8	4.83-6.77 -
Armstrong	38	10.6	7.23-13.97	Lawrence	49	10.6	7.63-13.57
Beaver	81	8.7	6.81-10.59	Lebanon	48	7.9	5.67-10.13
Bedford	37	14.9	10.10-19.70 +	Lehigh	117	7.3	5.98-8.62 -
Berks	214	11.1	9.61-12.59	Luzerne	156	9.9	8.35-11.45
Blair	61	8.9	6.67-11.13	Lycoming	41	6.7	4.65-8.75 -
Bradford	39	11.8	8.10-15.50	McKean	26	11.2	6.89-15.51
Bucks	157	5.2	4.39-6.01 -	Mercer	39	6.1	4.19-8.01 -
Butler	68	7.6	5.79-9.41 -	Mifflin	26	10.8	6.65-14.95
Cambria	83	10.8	8.48-13.12	Monroe	59	7.8	5.81-9.79 -
Cameron	1	3.2		Montgomery	209	5.4	4.67-6.13 -
Carbon	22	6.7	3.90-9.50 -	Montour	5	5.4	
Centre	35	5.5	3.68-7.32 -	Northampton	76	5.5	4.26-6.74 -
Chester	122	5.4	4.44-6.36 -	Northumberland	23	5.1	3.02-7.18 -
Clarion	21	10.5	6.01-14.99	Perry	28	12.5	7.87-17.13
Clearfield	49	10.9	7.85-13.95	Philadelphia	1,633	21.2	20.17-22.23 +
Clinton	28	13.9	8.75-19.05	Pike	23	9.4	5.56-13.24
Columbia	29	8.2	5.22-11.18	Potter	11	11.5	
Crawford	38	8.0	5.46-10.54	Schuylkill	90	11.9	9.44-14.36
Cumberland	64	5.6	4.23-6.97 -	Snyder	8	4.3	
Dauphin	108	8.6	6.98-10.22	Somerset	32	8.0	5.23-10.77
Delaware	231	8.4	7.32-9.48 -	Sullivan	5	14.0	
Elk	11	6.5		Susquehanna	28	12.9	8.12-17.68
Erie	76	5.4	4.19-6.61 -	Tioga	20	9.9	5.56-14.24
Fayette	97	13.3	10.65-15.95 +	Union	19	8.7	
Forest	8	36.3		Venango	21	7.4	4.23-10.57
Franklin	40	5.8	4.00-7.60 -	Warren	19	8.3	
Fulton	9	12.2		Washington	83	7.7	6.04-9.36 -
Greene	25	11.7	7.11-16.29	Wayne	29	10.7	6.81-14.59
Huntingdon	25	10.7	6.51-14.89	Westmoreland	164	8.4	7.11-9.69 -
Indiana	34	7.9	5.24-10.56	Wyoming	15	10.4	
Jefferson	32	13.9	9.08-18.72	York	197	10.0	8.60-11.40
Juniata	12	10.6					
				Pennsylvania	6,101	9.8	9.55-10.05

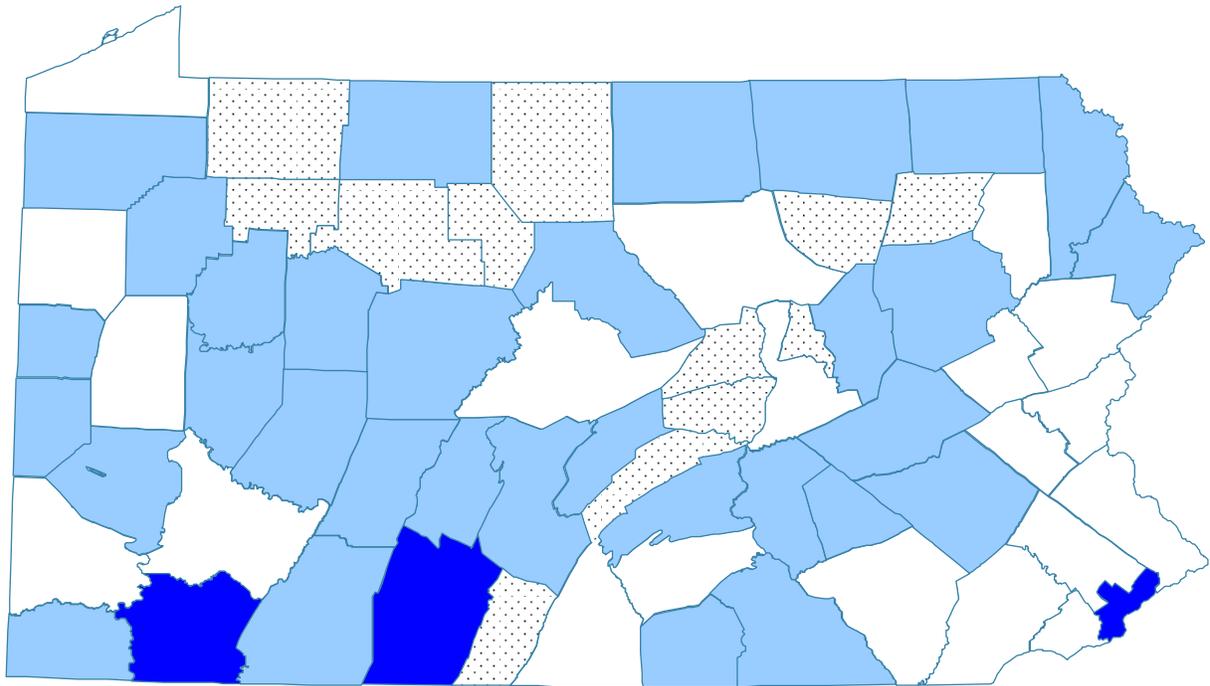
NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

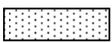
Numbers include deaths due to legal intervention.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

**FIGURE 9B: FIREARM-RELATED INJURIES
 AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS
 BY COUNTY, PENNSYLVANIA RESIDENTS, 2000-2004**



 Significantly lower than the state	 Not significantly higher or lower than the state
 Significantly higher than the state	 Less than 20 events - statistically unreliable

**TABLE 9E: FIREARM-RELATED INJURIES
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY COUNTY
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	6,101	587	4,664	846					
Adams	36	6	27	3	Lackawanna	66	2	58	6
Allegheny	668	84	496	88	Lancaster	137	15	104	18
Armstrong	38	0	33	5	Lawrence	49	2	39	8
Beaver	81	3	61	17	Lebanon	48	3	40	5
Bedford	37	4	25	8	Lehigh	117	8	89	20
Berks	214	24	149	41	Luzerne	156	9	127	20
Blair	61	7	38	16	Lycoming	41	4	28	9
Bradford	39	2	25	12	McKean	26	1	22	3
Bucks	157	5	121	31	Mercer	39	2	25	12
Butler	68	5	50	13	Mifflin	26	1	20	5
Cambria	83	11	55	17	Monroe	59	2	49	8
Cameron	1	0	1	0	Montgomery	209	9	166	34
Carbon	22	0	15	7	Montour	5	1	2	2
Centre	35	4	26	5	Northampton	76	3	62	11
Chester	122	8	90	23	Northumberland	23	5	17	1
Clarion	21	0	17	4	Perry	28	1	22	5
Clearfield	49	3	36	10	Philadelphia	1,633	218	1,336	77
Clinton	28	2	19	7	Pike	23	0	13	10
Columbia	29	2	19	8	Potter	11	2	6	3
Crawford	38	2	28	8	Schuylkill	90	10	65	15
Cumberland	64	4	46	14	Snyder	8	0	8	0
Dauphin	108	14	76	18	Somerset	32	3	26	3
Delaware	231	28	181	21	Sullivan	5	0	3	2
Elk	11	2	7	2	Susquehanna	28	1	21	6
Erie	76	6	55	15	Tioga	20	2	15	3
Fayette	97	8	74	15	Union	19	0	11	8
Forest	8	0	7	1	Venango	21	2	15	4
Franklin	40	1	30	9	Warren	19	0	16	3
Fulton	9	0	8	1	Washington	83	5	56	22
Greene	25	2	21	2	Wayne	29	0	21	8
Huntingdon	25	3	17	5	Westmoreland	164	8	120	36
Indiana	34	2	24	8	Wyoming	15	1	11	3
Jefferson	32	3	23	6	York	197	18	144	35
Juniata	12	4	7	1					

* Unknown age included in total.

NOTE: Numbers include deaths due to legal intervention.

Data for 2000-2004 based on ICD-10 cause of death codes.

See Technical Notes.

TABLE 9F: FIREARM-RELATED INJURIES

**NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 % CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY HEALTH DISTRICT, PENNSYLVANIA RESIDENTS, 2000-2004**

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northwest	390	8.0	7.21-8.79 -	Southwest	1,373	9.8	9.28-10.32
Cameron	1	3.2		Allegheny	668	10.6	9.80-11.40
Clarion	21	10.5	6.01-14.99	Armstrong	38	10.6	7.23-13.97
Clearfield	49	10.9	7.85-13.95	Beaver	81	8.7	6.81-10.59
Crawford	38	8.0	5.46-10.54	Butler	68	7.6	5.79-9.41 -
Elk	11	6.5		Cambria	83	10.8	8.48-13.12
Erie	76	5.4	4.19-6.61 -	Fayette	97	13.3	10.65-15.95 +
Forest	8	36.3		Greene	25	11.7	7.11-16.29
Jefferson	32	13.9	9.08-18.72	Indiana	34	7.9	5.24-10.56
Lawrence	49	10.6	7.63-13.57	Somerset	32	8.0	5.23-10.77
McKean	26	11.2	6.89-15.51	Washington	83	7.7	6.04-9.36 -
Mercer	39	6.1	4.19-8.01 -	Westmoreland	164	8.4	7.11-9.69 -
Venango	21	7.4	4.23-10.57				
Warren	19	8.3					
North Central	263	7.5	6.59-8.41 -	South Central	691	8.7	8.05-9.35 -
Bradford	39	11.8	8.10-15.50	Adams	36	7.5	5.05-9.95
Centre	35	5.5	3.68-7.32 -	Bedford	37	14.9	10.10-19.70 +
Clinton	28	13.9	8.75-19.05	Blair	61	8.9	6.67-11.13
Columbia	29	8.2	5.22-11.18	Cumberland	64	5.6	4.23-6.97 -
Lycoming	41	6.7	4.65-8.75 -	Dauphin	108	8.6	6.98-10.22
Montour	5	5.4		Franklin	40	5.8	4.00-7.60 -
Northumberland	23	5.1	3.02-7.18 -	Fulton	9	12.2	
Potter	11	11.5		Huntingdon	25	10.7	6.51-14.89
Snyder	8	4.3		Juniata	12	10.6	
Sullivan	5	14.0		Lebanon	48	7.9	5.67-10.13
Tioga	20	9.9	5.56-14.24	Mifflin	26	10.8	6.65-14.95
Union	19	8.7		Perry	28	12.5	7.87-17.13
				York	197	10.0	8.60-11.40
Northeast	591	7.8	7.17-8.43 -	Southeast	2,793	11.5	11.07-11.93 +
Carbon	22	6.7	3.90-9.50 -	Berks	214	11.1	9.61-12.59
Lackawanna	66	6.2	4.70-7.70 -	Bucks	157	5.2	4.39-6.01 -
Lehigh	117	7.3	5.98-8.62 -	Chester	122	5.4	4.44-6.36 -
Luzerne	156	9.9	8.35-11.45	Delaware	231	8.4	7.32-9.48 -
Monroe	59	7.8	5.81-9.79 -	Lancaster	137	5.8	4.83-6.77 -
Northampton	76	5.5	4.26-6.74 -	Montgomery	209	5.4	4.67-6.13 -
Pike	23	9.4	5.56-13.24	Philadelphia	1,633	21.2	20.17-22.23 +
Susquehanna	28	12.9	8.12-17.68	Schuylkill	90	11.9	9.44-14.36
Wayne	29	10.7	6.81-14.59				
Wyoming	15	10.4					
				Pennsylvania	6,101	9.8	9.55-10.05

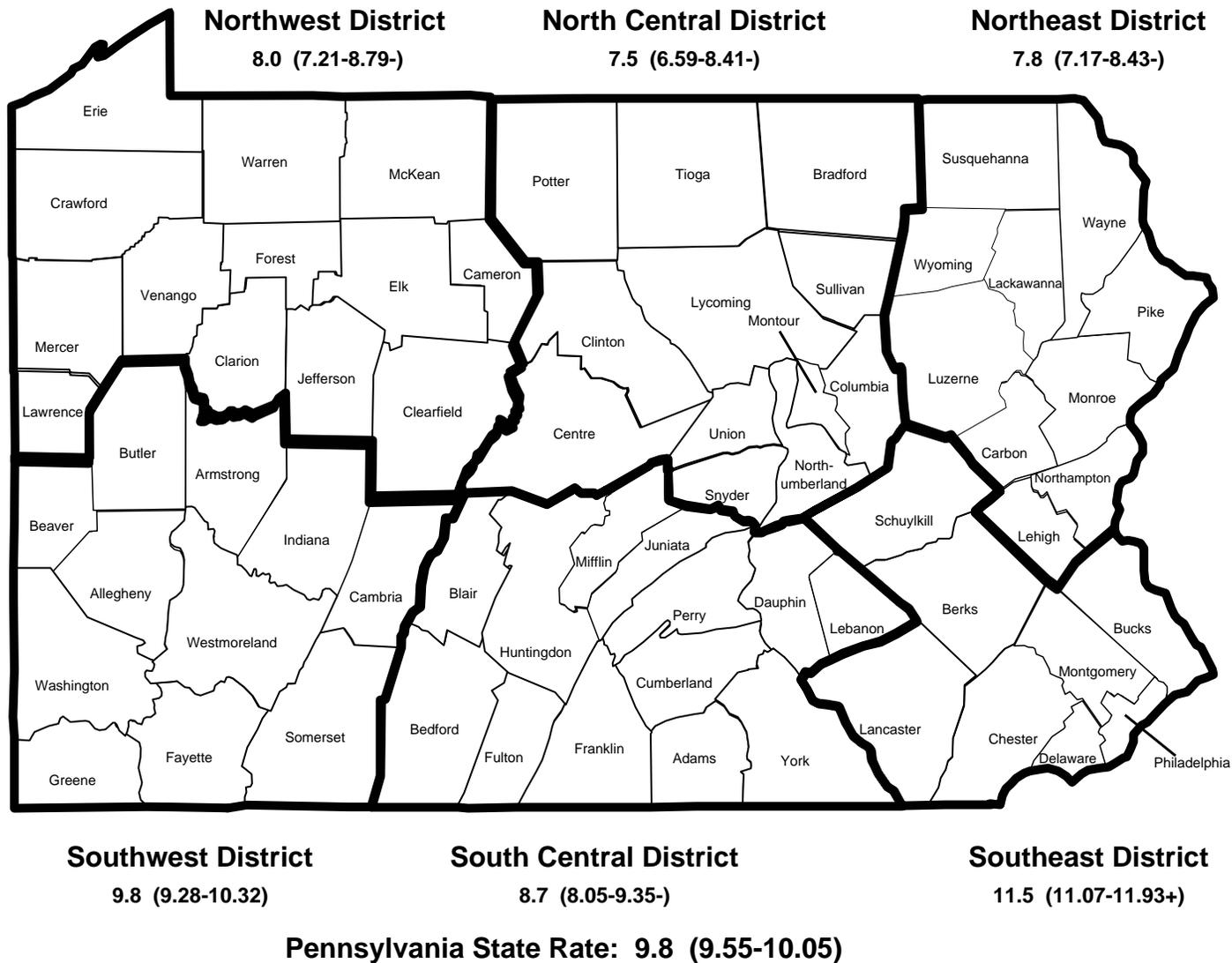
NOTE: A+ or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference. State data were compared to U.S. data. CIs were not calculated for rates based on less than 20 events due to unreliability.

Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS

FIGURE 9C: FIREARM-RELATED INJURIES

Pennsylvania Health Districts and Counties, 2000-2004



NOTE: A + or - after the confidence interval (CI) denotes if the county rate was significantly higher or lower than the state rate. No + or - after a CI denotes no significant difference.
 Data for 2000-2004 based on ICD-10 cause of death codes.
 See Technical Notes.

**TABLE 9G: FIREARM-RELATED INJURIES
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY HEALTH DISTRICT
PENNSYLVANIA RESIDENTS, 2000-2004**

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	6,101	587	4,664	846					
Northwest	390	23	291	76	Southwest	1,373	131	1,016	226
Cameron	1	0	1	0	Allegheny	668	84	496	88
Clarion	21	0	17	4	Armstrong	38	0	33	5
Clearfield	49	3	36	10	Beaver	81	3	61	17
Crawford	38	2	28	8	Butler	68	5	50	13
Elk	11	2	7	2	Cambria	83	11	55	17
Erie	76	6	55	15	Fayette	97	8	74	15
Forest	8	0	7	1	Greene	25	2	21	2
Jefferson	32	3	23	6	Indiana	34	2	24	8
Lawrence	49	2	39	8	Somerset	32	3	26	3
McKean	26	1	22	3	Washington	83	5	56	22
Mercer	39	2	25	12	Westmoreland	164	8	120	36
Venango	21	2	15	4					
Warren	19	0	16	3					
North Central	263	24	179	60	South Central	691	66	500	125
Bradford	39	2	25	12	Adams	36	6	27	3
Centre	35	4	26	5	Bedford	37	4	25	8
Clinton	28	2	19	7	Blair	61	7	38	16
Columbia	29	2	19	8	Cumberland	64	4	46	14
Lycoming	41	4	28	9	Dauphin	108	14	76	18
Montour	5	1	2	2	Franklin	40	1	30	9
Northumberland	23	5	17	1	Fulton	9	0	8	1
Potter	11	2	6	3	Huntingdon	25	3	17	5
Snyder	8	0	8	0	Juniata	12	4	7	1
Sullivan	5	0	3	2	Lebanon	48	3	40	5
Tioga	20	2	15	3	Mifflin	26	1	20	5
Union	19	0	11	8	Perry	28	1	22	5
					York	197	18	144	35
Northeast	591	26	466	99	Southeast	2,793	317	2,212	260
Carbon	22	0	15	7	Berks	214	24	149	41
Lackawanna	66	2	58	6	Bucks	157	5	121	31
Lehigh	117	8	89	20	Chester	122	8	90	23
Luzerne	156	9	127	20	Delaware	231	28	181	21
Monroe	59	2	49	8	Lancaster	137	15	104	18
Northampton	76	3	62	11	Montgomery	209	9	166	34
Pike	23	0	13	10	Philadelphia	1,633	218	1,336	77
Susquehanna	28	1	21	6	Schuylkill	90	10	65	15
Wayne	29	0	21	8					
Wyoming	15	1	11	3					

NOTE: * Unknowns included in totals.
Data for 2000-2004 based on ICD-10 cause of death codes.
See Technical Notes.

LEADING CAUSES OF INJURY DEATH

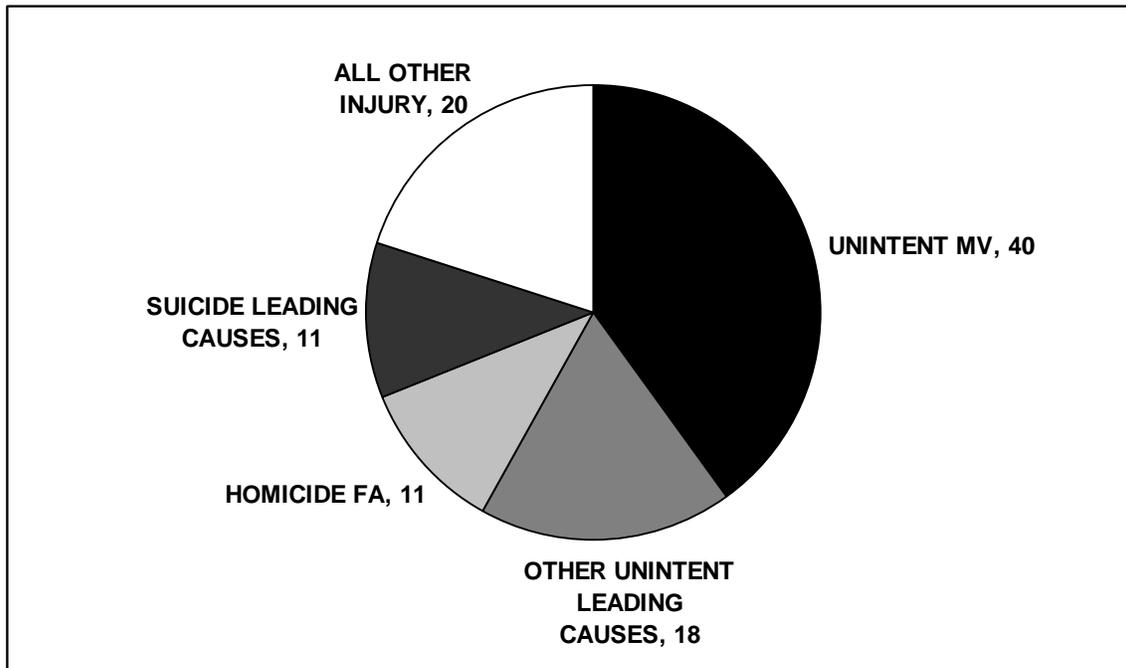
- 86% of all injury deaths and 5% of all deaths in Pennsylvania were due to the 10 leading causes of injury death during 2000-2004.
- Unintentional motor vehicle traffic injury death was the number one cause of injury death during 2000-2004. (refer Table 2)
 - Unintentional motor vehicle traffic injury death was consistently the number one cause of injury death for each year of the 2000-2004 five year period.
 - Unintentional motor vehicle traffic injury death was the number one cause of injury death for the age groups ranging between 1 and 34 and the age group 55-64 during 2000-2004. (refer Table 1)
 - The remaining age groups had unintentional motor vehicle traffic injury deaths as either their second or third leading cause of injury death during 2000-2004. (refer Table 1)
- Homicide by firearm was the leading cause of injury death for the black population in Pennsylvania during 2000-2004 by a substantial amount. During 2000-2004, homicide by firearm was responsible for 32% of all injury death for Pennsylvania's black population. (refer Table 2)
 - Homicide by firearm was consistently the number one cause of injury death for each year of the 2000-2004 five year period for Pennsylvania's black population.
 - Homicide by firearm was the number one cause of injury death for blacks during 2000-2004 for the age groups ranging between 15 and 34 and was the number two cause for age groups between 35-54.
 - Although not as large a percentage of death for the white and hispanic populations in Pennsylvania, homicide by firearm was still the third leading cause of injury death for hispanics and the tenth leading cause for whites.

Child Injury Mortality

- Unintentional Motor Vehicle Injury was the number one leading cause of injury death for Pennsylvania youth age less than 20 (1,303 deaths) during 2000-2004.
 - Unintentional Motor Vehicle Injury deaths accounted for 13% of all deaths and 40% of all injury deaths age less than 20.
 - The rate of Unintentional Motor Vehicle Injury deaths was 8 per 100,000 population for Pennsylvanians age less than 20.
 - Unintentional Motor Vehicle Injury deaths were the number one cause of injury death for all age groups less than age 20 except age less than 1. (age 1-4, 75 deaths, age 5-9, 93 deaths, age 10-14, 127 deaths, age 15-19, 994 deaths, refer to Table 1 in the Leading Causes of Injury Death Section)
- Homicide by firearm is the second leading cause of injury death among Pennsylvanians age less than 20. (11% of injury deaths age less than 20)
 - Homicide by firearm was not considered a leading cause for all age groups less than age 20 but it was the second leading cause of injury death for Pennsylvanians age 15-19 (329 deaths) and the fifth leading cause of death for both age groups 5-9 and 10-14 (9 and 25 deaths respectively) during 2000-2004.
 - Homicide by firearm accounted for 12% of all deaths age 15-19.
 - The rate of Homicide by firearm for ages 15-19 was 8 per 100,000 population.
- Unintentional Poisoning is the third leading cause of injury death among Pennsylvanians age less than 20. (6% of injury deaths age less than 20)
 - Unintentional Poisoning was not ranked as a leading cause of injury death for ages less than 1.
 - For ages 1 to 14 unintentional poisoning was ranked among the leading causes but had a lower ranking.
 - For ages 15-19 unintentional poisoning was the third leading cause of injury death. This follows trends in leading causes seen for subsequently older age groups.
 - The rate for Unintentional Poisoning for ages 15-19 is 4 per 100,000 population.
- Suicide by firearm was the fourth leading cause of injury death for Pennsylvanians age less than 20. (6% of injury deaths age less than 20)
 - Suicide by firearm was not ranked in the leading causes of injury death until the 10-14 age group (ranked 6 with 17 deaths).

- Suicide by firearm increased to fourth in rank for the age group 15-19.
 - The rate for firearm suicide for ages 15-19 is 4 per 100,000 population.
- Suicide by suffocation was the fifth leading cause of injury death for Pennsylvanians age less than 20. (5% of injury deaths age less than 20)
 - Suicide by suffocation was not ranked until the age group 10-14, where it was the second leading cause of injury death.
 - The rate for suffocation suicide for ages 10-14 is 1 per 100,000 population.
 - For the age group 15-19 suicide by suffocation dropped to fifth place in the overall ranking. This was consistent with the rankings in subsequent age groups until age group 55-64.
- Unintentional Drowning was the sixth leading cause of injury death among age less than 20 (143 deaths) during 2000-2004. (4% of injury deaths age less than 20)
 - The rate of Unintentional Drowning deaths was about 1 per 100,000 population for Pennsylvanians age less than 20.
 - The rank of Unintentional Drowning as a leading cause of death among Pennsylvanians age less than 20 peaks at ages 1-4 (52 deaths, second leading cause). It maintains a high rank among age groups 5-9 and 10-14 (14 and 27 deaths respectively, third leading cause for both). It was the fifth leading cause of age less than 1 (8 deaths) and the sixth leading cause for age 15-19 (42 deaths).
- Unintentional Suffocation was the seventh leading cause of injury death among age less than 20 (138) during 2000-2004. (4% of injury deaths age less than 20)
 - The rate of unintentional suffocation was also close to a rate of 1 per 100,000 population for Pennsylvanians age less than 20.
 - The rank of Unintentional Suffocation as a leading cause of death among Pennsylvanians age less than 20 had a distinctly different pattern compared to that seen for deaths due to Unintentional Drowning. The ranking steadily decreased from the youngest age group (age less than one, 73 deaths, first leading cause) to the oldest (age 15-19, 17 deaths, ninth leading cause).
- Unintentional fire and flame was the eighth leading cause of injury death for Pennsylvanians age less than 20. (4% of injury deaths age less than 20)
 - The highest rankings were seen among age groups between 1 and 14 (age 1-4, third; age 5-9, second; age 10-14, fourth).
 - The rate for age 1-14 was 1 per 100,000 population.

**FIGURE 1: LEADING CAUSES OF INJURY DEATH
TOTAL PERCENTAGE OF DEATHS
PENNSYLVANIA RESIDENTS LESS THAN AGE 20, 2000-2004**



**TABLE 1: LEADING CAUSES OF INJURY DEATH
TOTAL NUMBER OF DEATHS
PENNSYLVANIA RESIDENTS BY AGE, 2000-2004**

Rank	AGE GROUP										
	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+
1	Unint. Suff. 73	Unint. MV 75	Unint. MV 93	Unint. MV 127	Unint. MV 991	Unint. MV 994	Unint. MV 1,106	Unint. Poison 1,812	Unint. Poison 1,240	Unint. MV 626	Unint. Fall 3,200
2	Hom. Unspec. 25	Unint. Drown 52	Unint. Fire 30	Suic. Suff. 51	Hom. Firearm 329	Hom. Firearm 570	Unint. Poison 1,000	Unint. MV 1,157	Unint. MV 954	Suic. Firearm 469	Unint. MV 1,647
3	Unint. MV 17	Unint. Fire 50	Unint. Drown 14	Unint. Drown 27	Unint. Poison 177	Unint. Poison 528	Hom. Firearm 697	Suic. Firearm 693	Suic. Firearm 706	Unint. Fall 287	Unint. Unspec. 1,616
4	Undet. Suff. 10	Unint. Suff. 23	Other Trans. 12	Unint. Fire 26	Suic. Firearm 166	Suic. Firearm 252	Suic. Firearm 509	Suic. Suff. 374	Suic. Poison 326	Unint. Poison 203	Unint. Suff. 1,195
5	Unint. Drown 8	Hom. Unspec. 21	Unint. Suff. 11	Hom. Firearm 25	Suic. Suff. 121	Suic. Suff. 148	Suic. Suff. 279	Hom. Firearm 361	Suic. Suff. 268	Adverse Effects 136	Suic. Firearm 769
6	Hom. Suff. 8	Inan. Mech. 15	Hom. Firearm 9	Other Trans. 25	Other Trans. 46	Other Trans. 52	Suic. Poison 140	Suic. Poison 307	Unint. Fall 259	Suic. Poison 130	Adverse Effects 702
7	Hom. Other Spec. Class 7	Unint. Unspec. 12	Unint. Poison 8	Suic. Firearm 17	Unint. Drown 42	Suic. Poison 46	Other Trans. 63	Unint. Fall 150	Hom. Firearm 172	Suic. Suff. 124	Unint. Fire 286
8	Hom. Other, NEC 5	Unint. Fall 11	Hom. Suff. 8	Unint. Suff. 14	Suic. Poison 33	Hom. Cut/Pierce 38	Undet. Poison 55	Undet. Poison 115	Unint. Suff. 119	Unint. Suff. 117	Unint. Poison 223
9	Unint. Fire 5	Hom. Other, NEC 11	Hom. Fire 5	Unint. Poison 12	Unint. Unspec. 19	Unint. Fall 32	Unint. Drown 54	Unint. Fire 100	Unint. Fire 113	Unint. Unspec. 85	Nat. Factors 172
10	Unint. Unspec. Hom. Struck 4	Unint. Poison 9	Inan. Mech. 5	Inan. Mech. 8	Unint. Suff. Unint. Fire 17	Unint. Unspec. 31	Unint. Fall 53	Unint. Suff. 88	Undet. Poison 86	Unint. Fire 77	Suic. Suff. 120

**TABLE 2: LEADING CAUSES OF INJURY DEATH
TOTAL NUMBER OF DEATHS
PENNSYLVANIA RESIDENTS BY RACE, 2000-2004**

Rank	RACE			Total
	White	Black	Hispanic*	
1	Unint. MV 7,096	Hom. Firearm 1,594	Unint. MV 240	Unint. MV 7,787
2	Unint. Poison 4,405	Unint. Poison 791	Unint. Poison 211	Unint. Poison 5,214
3	Unint. Falls 3,787	Unint. MV 572	Hom. Firearm 192	Unint. Falls 4,015
4	Suic. Firearm 3,362	Suic. Firearm 201	Suic. Suff. 72	Suic. Firearm 3,581
5	Unint. Unspec. 1,843	Unint. Falls 200	Suic. Firearm 46	Hom. Firearm 2,288
6	Unint. Suff. 1,512	Unint. Suff. 198	Unint. Falls 45	Unint. Unspec. 1,971
7	Suic. Suff. 1,329	Unint. Fire 144	Unint. Fire 26	Unint. Suff. 1,721
8	Suic. Poison 1,034	Suic. Suff. 131	Hom. Cut/Pierce 22	Suic. Suff. 1,487
9	Adverse Effects 897	Adverse Effects 126	Unint. Drown 21	Suic. Poison 1,083
10	Hom. Firearm 661	Unint. Unspec. 113	Unint. Suff. Unint. Unspec. 19	Adverse Effects 1,028

*Hispanic ethnicity can include any race

**TABLE 3: LEADING CAUSES OF UNINTENTIONAL INJURY
DEATH
TOTAL NUMBER OF DEATHS PENNSYLVANIA, 2000-2004**

Rank	Total
1	Unint. MV 7,787
2	Unint. Poison 5,214
3	Unint. Falls 4,015
4	Unint. Unspec. 1,971
5	Unint. Suff. 1,721
6	Adverse Effects 1,028
7	Unint. Fire 773
8	Other Trans. 601
9	Unint. Drown 411
10	Inan. Mech. 390

Definitions and ICD-10 coding

Adverse Effects – Complications of medical and surgical care (Y40-Y84, Y88)

Hom. Fire – Assault by smoke, fire and flames including arson, cigarettes, and incendiary devices (X97)

Hom. Firearm – Assault by firearm discharge (X93-X95)

Hom. Other, NEC – Assault by other specified means (Y08)

Hom. Other, Spec. Class – Neglect, abandonment and other maltreatment syndromes including physical and sexual abuse and torture (Y06-Y07)

Hom. Struck – Assault by a blunt object, by pushing from a high place, by pushing or placing victims before a moving object, by crashing of a motor vehicle or by use of bodily force (Y00-Y04)

Hom. Suff. – Assault by hanging, strangulation and suffocation (X91)

Hom. Unspec. – Assault by unspecified means (Y09)

Inan. Mech. – Accidental exposure to inanimate mechanical forces not including unintentional firearm discharge (W20-W31, W35-W49)

Nat. Factors – Accidental exposure to plants and animals, both venomous and non-venomous, and forces of nature. (X20-X39, W53-W60)

Other Trans. – Accidents involving forms of transportation other than motor vehicles (V01-V99, excluding codes for Unint. MV)

Suic. Firearm – Intentional self-harm by firearm discharge (X72-X74)

Suic. Poison – Intentional self-harm by exposure to drugs, alcohol, gases, and other chemicals and noxious substances (X60-69)

Suic. Suff. - Intentional self-harm by hanging, strangulation and suffocation (X70)

Undet. Poison – Event of undetermined intent caused by exposure to drugs, alcohol, gases, and other chemicals and noxious substances (Y10-Y19)

Undet. Suff. - Event of undetermined intent caused by hanging, strangulation and suffocation (Y20)

Unint. Drown - Accidental drowning and submersion (W65-W74)

Unint. Fall – Accidental falls (W00-W19)

Unint. Fire – Accidental exposure to smoke, fire and flames (X00-X09)

Unint. MV – Accidents involving motor vehicle traffic (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)

Unint. Poison – Accidental exposure to drugs, alcohol, gases, and other chemicals and noxious substances (X40-X49)

Unint. Suff. – Accidental hanging, strangulation and suffocation (W75-W84)

Unint. Unspec. – Accidental exposure to unspecified factor (X59)

TECHNICAL NOTES

A. SOURCES OF DATA

1. Mortality:

Pennsylvania's Certificate of Death is the source document for the injury mortality data contained in this report. A copy of this certificate is available upon request. Death certificates are usually completed by hospital personnel, physicians, and funeral directors.

There is a cut-off date of March 1 of the following year for compiling annual mortality files, e.g., the cut-off date for 2004 death certificates was March 1, 2005. Data pertaining to a 2004 death for which a certificate was filed after the March 1, 2005 deadline, are not included in this report. Files are updated on an annual basis after the cut-off date. Data from certificates received after a cut-off date or corrections to previously filed records are made at these times. Therefore, it is possible that injury mortality data previously obtained from or published by the Bureau of Health Statistics and Research may differ slightly from the data which appear in this report.

2. Population:

Population estimates for the years 2000-2004 used to compute rates were produced jointly by the United States Bureau of the Census and the State Data Center of the Pennsylvania State University at Harrisburg under the Federal-State Cooperative Program for Local Population Estimates. They are generated by a combination of a component procedure, which uses administrative records and a regression method. The 2000 state and county populations by age, sex, and race used in this report are based on the U.S. Bureau of the Census enumerated population figures as of April 1, 2000. The population data used to develop this information is available via the Pennsylvania Department of Health's Epidemiologic Query and Mapping System (EpiQMS) which can be accessed through the Pennsylvania Department of Health, Bureau of Health Statistics and Research website at www.health.state.pa.us/stats/.

B. DATA QUALITY

The Bureau of Health Statistics and Research maintains query and field programs for improving the quality of data collected on death certificates.

A query program is a system used to follow back with hospital personnel, funeral directors, and physicians concerning incomplete or conflicting information reported on the certificate. The follow-back contact is usually done by telephone and is based on both manual and computer editing procedures. The field program attempts to improve death certificate information by educating the participants in

the death registration system of the uses and importance of mortality data. The field program completes this mission by conducting seminars with various associations representing the types of persons mentioned above. In addition to regularly scheduled seminars, the field representatives make site visits when problems with registration relating to a particular area or institution are discovered.

The National Center for Health Statistics (NCHS) monitors Pennsylvania's coding of statistical data on death certificates. A 0.5% sample of death records coded and submitted monthly by the State are used as a quality control mechanism by NCHS. NCHS codes these sample records independently and then conducts an item-by-item computer match of codes entered by the state and NCHS. NCHS has established a 2% upper limit for coding differences involving any one data item of these sample records, with the exception of cause of death. A 5.0% limit is established for that item due to the complexity of the cause of death coding process.

Deaths of Pennsylvania residents that occurred in another state are included in this report if copies of certificates were obtained by the cut-off date (see Section 1. Mortality). The inclusion of these data are made possible by an agreement among all registration areas in the United States for resident exchange of copies of death certificates.

C. DATA CONFIDENTIALITY

The confidentiality of death certificates is strictly maintained by the Bureau of Health Statistics and Research. All published and special reports of vital statistics contain only aggregated data. Individually identifiable information is only released, as provided for in Act 66, Vital Statistics Law of 1953, for health research purposes and to government agencies in pursuance of their official duties upon completion, review, and approval of an application for access to protected data. Certified copies are also released to family members or legal representatives for determination of personal or property rights.

D. DEFINITIONS

AGE-SPECIFIC RATE - Number of events for a specified age group per 100,000 population in the same age group.

AGE-ADJUSTED RATE (Direct Method) - Age-specific rates for a selected population are applied to a standard population (in this report the 2000 United States standard million population was used) to calculate what rate **would be expected** if the selected population had the same age distribution as the standard population. The total of these **expected** deaths divided by the total of the standard population and multiplied by 100,000 yields the age-adjusted death rate per 100,000. It is important to use the same standard population in the computation of each age-adjusted rate to allow comparability among age-adjusted rates. Age-

adjusted rates are artificial measurements and should never be compared with any other type of rate or be used to calculate the actual number of events. The 2000 United States standard million population age distribution used in calculating age-adjusted death rates for this report is shown below:

<u>AGE</u>	<u>POPULATION</u>
All Ages	1,000,000
Under 1	13,818
1-4	55,317
5-14	145,565
15-24	138,646
25-34	135,573
35-44	162,613
45-54	134,834
55-64	87,247
65-74	66,037
75-84	44,842
85+	15,508

E. RELIABILITY OF RATES

Rates based on a random sample of a population are subject to error due to sampling variability. However, rates based on full population counts (as in this report) are also estimates subject to error. An observed death rate can be thought of as a sample or estimate of the true or underlying death rate. This idea of an “underlying” death rate is an abstract concept, since the observed rate did actually occur, but it is this underlying rate that health policies should seek to address rather than annual rates, which may fluctuate dramatically.

The variation of the rate is directly related to the number of events used to calculate the rate. The smaller the number of events used in the calculation of a rate, the higher the variability of the rate will be. Rates based on unusually small numbers of events over a specified period of time or for a sparsely populated geographic area should be of particular concern and be used cautiously.

When few events or small populations are evident in calculating/studying rates, multiple-year summary rates, referred to as average annual rates, will sometimes provide a much better perspective or measurement of an outcome. Expanding the period of time studied enlarges the absolute numbers and adds more credence to a statement regarding a rate. The following section describes the method used in this report to calculate average annual rates.

It is also common practice among data users familiar with health statistics to calculate what is called a standard error (SE) of a rate. This statistic defines a

rate's variability and can be used to calculate a confidence interval (CI) to determine the actual variance of a rate 95% of the time. Section G describes the formulas and methods used in this report to compute standard errors and confidence intervals.

F. CALCULATING AVERAGE ANNUAL RATES

The average annual rate is a ratio of the number of events of interest in an at-risk population divided by the total time units contributed by the individuals at-risk of the event. When computing average annual rate over a multi-year period, include the events of interest for the entire multi-year period in the numerator. The denominator does not reflect an estimate of the actual population for the multi-year period. The denominator is a measure of the time units contributed each year. An individual who lived in the same county for five years of a multi-year period would contribute five time units, one for each year. To find the total time units sum the population figures from each year in the multi-year period.

Use the following formula to compute average annual rate:

$$\frac{\sum_{i=1}^n k_i}{\sum_{i=1}^n p_i} \times 100,000 = \text{Death Rate per 100,000 per year}$$

Where:

- k_i = number of events of interest for the i^{th} year of the multi-year period
- p_i = annual population estimate or census population in the i^{th} year of the multi-year period
- n = number of years in the multi-year period

Below is the data for unintentional injury deaths in Allegheny County for all persons age 35-39 for the years 2001-2003. Let's use this data to calculate an average annual death rate for this multi-year period.

Unintentional Injury Deaths, Allegheny County				
County	Year	Age	Count	Population
Allegheny	2001	35-39	31	92,618
Allegheny	2002	35-39	30	90,270
Allegheny	2003	35-39	50	87,885

First compute the numerator. The number of deaths, or count, is the event of interest. Because there are three years in the multi-year period, $n=3$.

$$\sum_{i=1}^3 k_i = k_1 + k_2 + k_3 = 31 + 30 + 50 = 111$$

Next compute the denominator. It is the sum of the annual population estimates.

$$\sum_{i=1}^3 p_i = p_1 + p_2 + p_3 = 92,618 + 90,270 + 87,885 = 270,773$$

Finally put these values into the formula to compute the average annual death rate.

$$\frac{\sum_{i=1}^3 k_i}{\sum_{i=1}^3 p_i} \times 100,000 = \frac{111}{270,773} \times 100,000 = 41 \text{ deaths per } 100,000 \text{ per year}$$

G. COMPARING AGE-ADJUSTED RATES

As mentioned above, a first step in comparing rates is the computation of a standard error (SE), defining the rate's variability. The usual formula given for computing the standard error of an age-adjusted rate (Chiang, 1961) is very complex and not often understood or used by the average health data user. However, the standard error can be approximated with the following less complex formula (Keyfitz, 1966):

$$SE = R / \sqrt{N}$$

where:

R = age-adjusted rate

N = number of deaths

This estimate assumes the rate to be a binomial proportion. As an example, let's use the state's 2000-2004 age-adjusted suicide rate of 10.6 to calculate an estimated SE. The rate was based on 6,667 suicides. The square root of 6,667 is 81.6. By dividing the rate of 10.6 by 81.6, one obtains the estimated SE of 0.13.

This estimated SE can then be used to compute a 95% confidence interval (CI) for the rate. The standard formula for determining the 95% CI of a rate is:

$$R \pm (1.96 \times SE)$$

Following this formula, the rate in this example produces a value of $10.6 \pm (1.96 \times 0.13)$ which is equal to 10.6 ± 0.25 . Then, by subtracting and adding 0.25 to the original rate of 10.6, a range can be calculated. This range is considered the estimated 95% confidence interval for the rate, i.e., 10.35 - 10.85. One could then state, with 95% certainty that the actual age-adjusted suicide rate for the state during 2000-2004 was between 10.35 and 10.85.

To compare a particular county's age-adjusted suicide rate for 2000-2004 with the state's corresponding rate, one must go through the same steps shown above to obtain the 95% CI for that county's rate. If the CIs for the state and county rates do not overlap, then the two rates are considered to be significantly different at the 95% confidence level. As an example, the table on the following page shows the total count, rates and confidence intervals for suicides in Pennsylvania, Dauphin County, and Montgomery County for the five-year period of 2000-2004.

Suicides, Pennsylvania, 2000-2004			
County	Count	Rate	CI
Pennsylvania	6,667	10.6	10.35-10.85
Dauphin	123	9.5	7.82-11.18
Montgomery	343	8.8	7.87-9.73

Both counties have suicide rates below the state rate. However, upon closer examination, we see that Dauphin County's CI overlaps the state's CI. Therefore, we can say (with 95% confidence) that there is no significant difference between the suicide rate in Dauphin County and the state's suicide rate for the time-period of 2000-2004. On the other hand, Montgomery County's CI does not overlap and is below the state's CI. Thus, we can say that Montgomery County's suicide rate is significantly lower than the state's rate for the period of 2000-2004.

This example points to an important result that the user should note. The smaller the number of events upon which the rate is based, the larger the SE and range of the CI will be. This clearly demonstrates the wider variability (and less reliability) of rates based on smaller numbers. As a general rule, age-adjusted rates based on less than twenty events should be considered unstable and are not recommended for comparative use or in determining significance. For this reason, the CIs were not computed, compared or shown for any age-adjusted death rate in this report based on less than twenty events.

Another important note concerns the significance tests in this report. The confidence limits shown are rounded to the nearest tenth. However, significance tests use the numbers before they are rounded, to determine significance. Therefore, a county's upper or lower confidence limit (rounded) may appear to equal the state's upper or lower confidence limit, but could be labeled as significantly different than the state rate.

H. CAUSES OF DEATH

Starting with the reporting of 1999 deaths, the International Classification of Diseases (ICD) system for mortality adopted the new Tenth Revision of ICD-10 coding structure and rules for determining and classifying underlying causes of death.

The coding definitions for drug poisoning, falls, fire and flames, and drowning and submersion have been altered since previous versions of this report were published. The current coding definitions are based on the *ICD-10 Framework for Injury Mortality Data – External Cause*, published by the National Center for Health Statistics. The list below shows the cause of death and corresponding ICD-10 codes used to classify resident deaths in this report. Codes in bold were not used in previous versions of this report. Also note that codes V90 and V92, which were previously classified under drowning and submersion, have been removed from that cause of death.

CAUSE OF DEATH

ICD-10 CODES

Unintentional Injuries.....	V01-V99, W00-W99 X00-X59, Y85, Y86
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
Drug Poisoning.....	X40-X44, X60-X64, X85, Y10-Y14
Falls and Fall-Related Injuries...	W00-W19, X80, Y01, Y30
Fire and Flames.....	X00-X09, X76, X97, Y26
Drowning and Submersion.....	W65-W74, X71, X92, Y21
Suicide.....	X60-X84, Y87.0, U03
Homicide.....	X85-X99, Y00-Y09, Y87.1, U01-U02
Firearm-Related Injuries.....	W32-W34, X72-X74, X93-X95, Y22-Y24 Y35.0