

Injury Deaths and Hospitalizations in Pennsylvania 2006-2010



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EXECUTIVE SUMMARY

INJURY IN PENNSYLVANIA

Injury is a serious public health problem in Pennsylvania and across the nation. Injuries can lead to premature death and disability and represent a significant financial burden to the healthcare system. In 2010, unintentional injury was the leading cause of death among children and adults ages 1 through 44. Unintentional injuries ranked as the fifth leading cause of death overall for Pennsylvanians in 2010, contributing to 5,607 deaths. Among white males, unintentional injury was the third leading cause of death. Rates of injury death increased six percent from 2006 to 2008 and decreased five percent from 2008 to 2010.

Although unintentional injuries account for the majority of the injury burden, a substantial number of deaths – especially among males – are intentional (comprising suicide and homicide). In 2010, intentional injuries represented the second and third leading causes of death among Pennsylvanians ages 15 through 34. Homicide was the third leading cause of death among black males overall, while suicide was the eighth leading cause of death among white males overall. Firearms were the most common mechanism of suicide and homicide in 2010, as in previous years.

Mortality statistics alone do not convey the full impact of injury. In 2010, Pennsylvania hospitals reported 145,286 discharges of residents with injury-related admissions, corresponding to an average of almost 400 persons per day. One third of all injury hospitalizations were to white females age 70 or older, highlighting the prevalence of falls among the elderly. Total charges for hospitalized injury discharges in Pennsylvania in 2010 exceeded \$8.32 billion. Nearly half of these charges, over \$3.93 billion, were billed to Medicare.

Every 3½ minutes a Pennsylvania resident enters hospital care due to preventable injury. The leading causes of hospitalized injury were falls, poisonings and motor vehicle accidents. Over 85 percent of injuries were reported as unintentional. One group with very high injury hospitalization rates consisted of those age 85 and older. Rates of injury hospitalization have remained largely stable from 2006 to 2010. Hospitalizations for motor vehicle traffic injury showed the greatest decrease in rate. The decrease in motor vehicle traffic injury was especially rapid from 2007 to 2009.

2006-2010 COMBINED INJURY REPORT

This report describes Pennsylvania's injury burden from 2006 to 2010, using Vital Statistics from Pennsylvania Vital Records and Hospital Discharge Data (HDD) compiled by the Pennsylvania Health Care Cost Containment Council (PHC4). The report updates information in the Combined Injury Report for 2005-2009.

Readers and users of this report should use caution when interpreting many of the findings in this report, because of incomplete E-coding and the injury definition used. Relative rates, or the magnitude of differences within each table, are useful and valid for comparisons. However, absolute numbers may not always reflect the exact quantitative burden on Pennsylvania's population. Confidence intervals and significance test results

have been provided throughout to assist with data interpretation. For more background on how rates were calculated and compared, please see the Technical Notes.

The Pennsylvania Violence and Injury Prevention Program uses data in this report to perform trend analysis and track progress of the state against national indices. Local prevention programs should find this information useful for planning, prioritization and comparisons among counties. Programs can target populations at highest risk for injury, such as pedestrian and bicycle safety programs for urban youth, suicide prevention programs for persons age 15 to 39, or drug take-back programs in specific counties that have a higher prevalence of poisoning hospitalizations or deaths.

Findings from this report demonstrate that injuries remain an important and costly public health problem in the Commonwealth of Pennsylvania. It is our hope that this report and those to follow will lead to better identification of state and local injury problems, provide better quantification and comparisons to other health risks and, thus, serve as justification for expanded, enhanced and targeted prevention efforts. Indeed, we can prevent many injuries, once we take the time to identify the risk factors: injuries occur to high risk individuals, occur in high risk places and involve high-risk activities. These numbers indeed point the way.

Injury Deaths 2006-2010

INJURY DEATHS: ALL INJURIES

In 2010, among Pennsylvania residents, there were 8,001 deaths due to injury. On average, one resident died every 66 minutes.

Injury Definition

Injury includes both unintentional injuries and self-inflicted or assault injuries (violence).

- Unintentional injuries, or accidents, occur by chance; however, one can reduce the risk of injury by taking proper precautions.
- Violence, in contrast, entails premeditated harm against oneself (suicide) or against another person (homicide).

Most injury deaths in Pa. are unintentional.

HIGHLIGHTS

- *Age-adjusted rates have generally been **stable** over 2006 to 2010.*
- *The most common demographic is **white males**, ages 15 to 59.*
- *Of all Pennsylvania counties, **Cameron** shows the highest rate.*

Trends Over Time

- The age-adjusted injury death rate increased from 2006 to 2008, from 57.6 to 60.9 deaths per 100,000 population. Rates then decreased to 57.5 deaths per 100,000 population in 2009 and increased again to 58.4 deaths per 100,000 in 2010.
- Males showed significantly higher age-adjusted injury death rates than females over 2006 to 2010 (rates were 83.3 and 35.0, respectively, in 2010).
- Black males showed significantly higher age-adjusted injury death rates than white males over 2006 to 2010 (rates were 114.6 and 79.4, respectively, in 2010).

Demographic Trends

- White males accounted for over half of all injury deaths in 2006 to 2010.
- Males showed significantly higher injury death rates than females for all age groups.
- Among males, blacks showed significantly higher injury death rates for ages under 75, while whites showed significantly higher rates for ages 85 and older.
- Among females, blacks showed significantly higher injury death rates for ages under 15, while whites showed significantly higher rates for ages 75 and older.

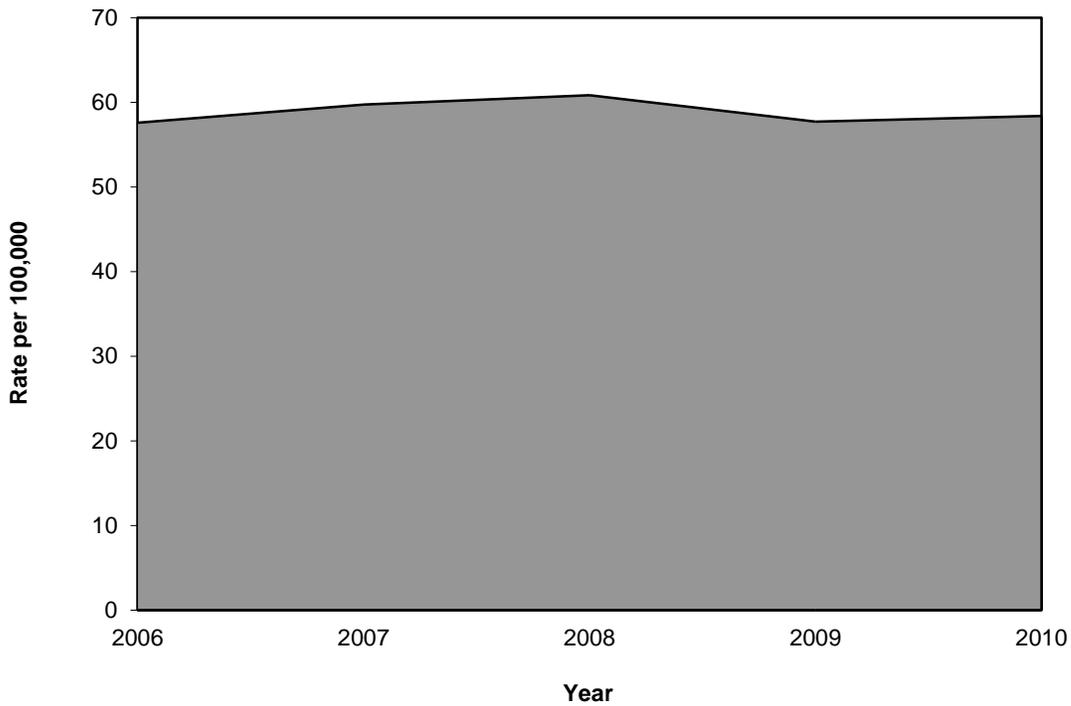
Regional Trends

- The Southwest Health District showed the highest age-specific injury death rates, while the North Central Health District showed the lowest rates. However, other districts showed high rates for certain age groups.
- Sixteen counties showed age-adjusted injury death rates for 2006 to 2010 that were significantly higher than the comparable state rate. Most counties were rural.

INJURY DEATHS: ALL INJURIES

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	7,438	57.6
2007	7,811	59.7
2008	8,061	60.9
2009	7,847	57.7
2010	8,001	58.4



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	51.8	57.7	54.6	53.0	61.3	56.2
2007	50.9	61.1	62.2	55.2	62.4	59.2
2008	52.5	62.7	61.9	57.6	60.6	63.8
2009	51.3	55.2	56.9	56.5	58.0	61.6
2010	50.9	54.1	59.7	57.3	58.1	63.7

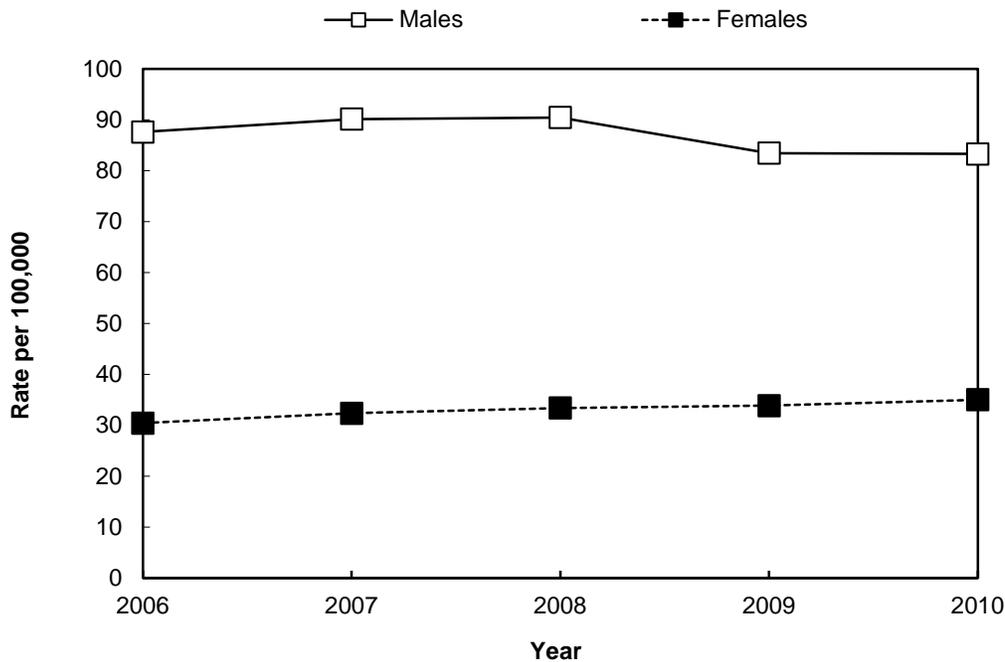
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.
See Technical Notes.

INJURY DEATHS: ALL INJURIES

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	5,188	87.6 *	2006	2,250	30.4
2007	5,408	90.2 *	2007	2,403	32.4
2008	5,524	90.5 *	2008	2,537	33.4
2009	5,221	83.5 *	2009	2,626	33.9
2010	5,272	83.3 *	2010	2,728	35.0

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	89.2	83.6 *	2006	28.7	35.0 *
2007	90.8	88.5	2007	31.9	33.7
2008	90.3	90.8	2008	32.7	35.3
2009	82.8	85.4	2009	32.4	38.1 *
2010	82.7	85.0	2010	33.5	39.3 *

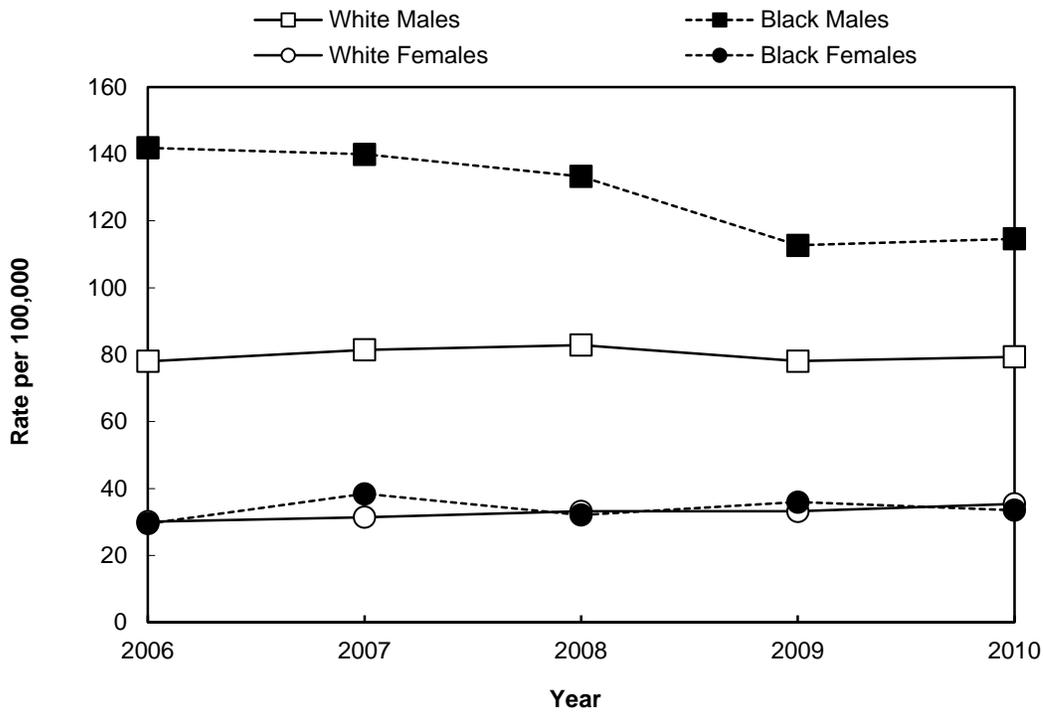
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY DEATHS: ALL INJURIES

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	4,029	873	1,979	201	220	44
2007	4,270	863	2,075	262	226	41
2008	4,426	838	2,240	225	214	45
2009	4,268	724	2,299	254	170	45
2010	4,251	763	2,377	241	174	69



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	78.0	141.8 *	30.1	29.6	86.2	21.0
2007	81.5	139.8 *	31.4	38.4 *	92.2	15.5
2008	82.9	133.3 *	33.2	32.1	83.8	19.1
2009	78.1	112.7 *	33.2	35.9	62.0	16.5
2010	79.4	114.6 *	35.4	33.5	56.5	25.2

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY DEATH: ALL INJURIES

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
TOTAL	39,158	62.5	26,613	87.4	12,544	39.0		27,967	61.5	11,191	65.1
< 5	348	9.5	211	11.2	136	7.6	*	243	8.8	105	11.4
5-9	168	4.4	105	5.4	63	3.4	*	117	4.2	51	5.2
10-14	268	6.7	187	9.1	81	4.1	*	161	5.5	107	10.1
15-19	2,109	45.7	1,583	67.9	526	23.0	*	1,508	45.3	601	46.5
20-24	3,291	74.5	2,682	119.8	609	28.0	*	2,448	77.0	843	68.1
25-29	2,911	78.0	2,338	122.9	573	31.3	*	2,125	75.9	786	84.2
30-34	2,340	62.9	1,825	97.5	515	27.9	*	1,690	61.6	650	66.6
35-39	2,560	63.8	1,879	94.2	681	33.8	*	1,830	62.3	730	68.2
40-44	3,041	69.2	2,196	100.9	845	38.1	*	2,190	68.2	851	71.8
45-49	3,491	75.2	2,477	108.2	1,014	43.1	*	2,549	75.5	942	74.4
50-54	3,149	69.4	2,319	104.3	830	35.9	*	2,298	70.1	851	67.6
55-59	2,305	56.7	1,660	84.2	645	30.8	*	1,678	57.7	627	54.1
60-64	1,605	47.1	1,165	71.6	440	24.7	*	1,114	46.3	491	49.1
65-69	1,218	45.5	844	68.5	374	25.9	*	807	43.3	411	50.6
70-74	1,351	61.0	873	89.6	478	38.5	*	870	56.3	481	71.9
75-79	1,837	98.5	1,091	142.4	746	67.9	*	1,265	96.4	572	103.4
80-84	2,481	171.5	1,320	240.8	1,161	129.3	*	1,698	165.0	783	187.6
85 +	4,685	337.3	1,858	441.7	2,827	291.9	*	3,376	338.8	1,309	333.3

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: ALL INJURIES

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	21,244	82.0	4,061	126.9		10,970	40.2	1,183	33.5		1,248	41.0
< 5	118	7.9	60	23.2	*	89	6.3	36	14.3	*	30	8.7
5-9	66	4.2	29	11.2	*	40	2.7	17	6.8	*	15	4.9
10-14	130	7.8	40	14.3	*	55	3.5	19	7.1	*	19	6.6
15-19	978	51.7	511	162.4	*	407	21.9	74	24.1		110	36.9
20-24	1,817	99.8	666	223.6	*	487	27.6	91	30.9		170	62.2
25-29	1,666	107.7	494	199.4	*	466	31.6	71	28.5		164	64.8
30-34	1,317	85.3	380	174.1	*	409	27.1	77	33.4	*	131	55.3
35-39	1,421	84.6	318	150.1	*	557	33.2	84	36.2		144	63.5
40-44	1,772	94.7	295	136.8	*	720	38.2	99	40.9		122	60.1
45-49	2,071	103.5	310	147.5	*	848	41.8	133	54.9	*	100	56.8
50-54	1,939	98.3	298	160.4	*	724	35.8	86	38.6		75	56.9
55-59	1,383	78.1	218	146.4	*	559	30.3	73	39.0	*	47	46.6
60-64	986	66.9	139	124.2	*	375	23.6	50	33.7	*	37	52.0
65-69	747	66.3	74	94.6	*	329	25.3	34	30.8	*	11	22.9
70-74	781	87.3	68	111.5	*	426	37.9	41	43.5		20	59.4
75-79	1,006	141.7	58	131.3		684	68.0	39	50.4	*	23	95.8
80-84	1,257	246.3	51	167.2	*	1,095	132.3	52	86.5	*	10	65.0
85 +	1,789	458.6	52	209.6	*	2,700	301.6	107	172.0	*	20	132.1

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY DEATHS: ALL INJURIES

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
TOTAL	2,952	63.6	1,861	54.4	4,844	61.7	9,092	67.2	4,827	58.8	15,582	62.4						
< 5	32	12.5	+	22	12.4	+	38	8.8	54	7.6	-	62	12.5	+	140	8.7		
5-9	19	7.0	+	9	NSR		23	5.0	34	4.5		21	4.1		62	3.8	-	
10-14	21	7.1		18	9.3	+	41	8.1	+	61	7.5		36	6.8		91	5.4	-
15-19	146	41.7		98	31.4	-	256	44.3		422	44.6		283	49.2		904	48.7	
20-24	207	65.4		137	38.1	-	409	76.3		673	75.3		372	70.6		1,493	83.7	+
25-29	196	75.3		117	64.6	-	387	86.9		643	84.6		309	63.4	-	1,259	78.8	
30-34	174	65.5		104	55.2		258	57.3		539	70.1	+	268	54.3	-	997	64.1	
35-39	186	65.3		123	60.7		328	65.8		564	67.5		313	58.2		1,046	63.4	
40-44	205	65.2		138	62.4		376	67.9		661	70.5		341	58.1	-	1,320	74.1	+
45-49	235	69.3		148	62.9	-	446	76.0		812	79.4		389	63.2	-	1,461	79.2	
50-54	267	78.8		121	51.9	-	392	68.0		722	69.8		346	57.9	-	1,301	74.1	
55-59	152	49.2		116	54.3		271	51.8		544	57.9		286	52.4		936	61.0	
60-64	155	58.7	+	92	49.9		185	40.5	-	374	47.6		197	42.9		602	47.9	
65-69	110	51.4		64	41.6		162	44.9		274	44.7		169	45.9		439	45.5	
70-74	135	74.6	+	71	55.7		154	52.7		322	61.2		225	76.0	+	444	56.0	
75-79	160	104.9		120	115.2		229	95.0		471	102.5		261	108.0		596	89.4	-
80-84	210	179.5		131	167.6		300	162.0		664	178.1		353	200.3	+	823	159.2	
85 +	342	314.0		232	318.7		589	335.6		1,258	348.6		596	365.1		1,668	328.5	

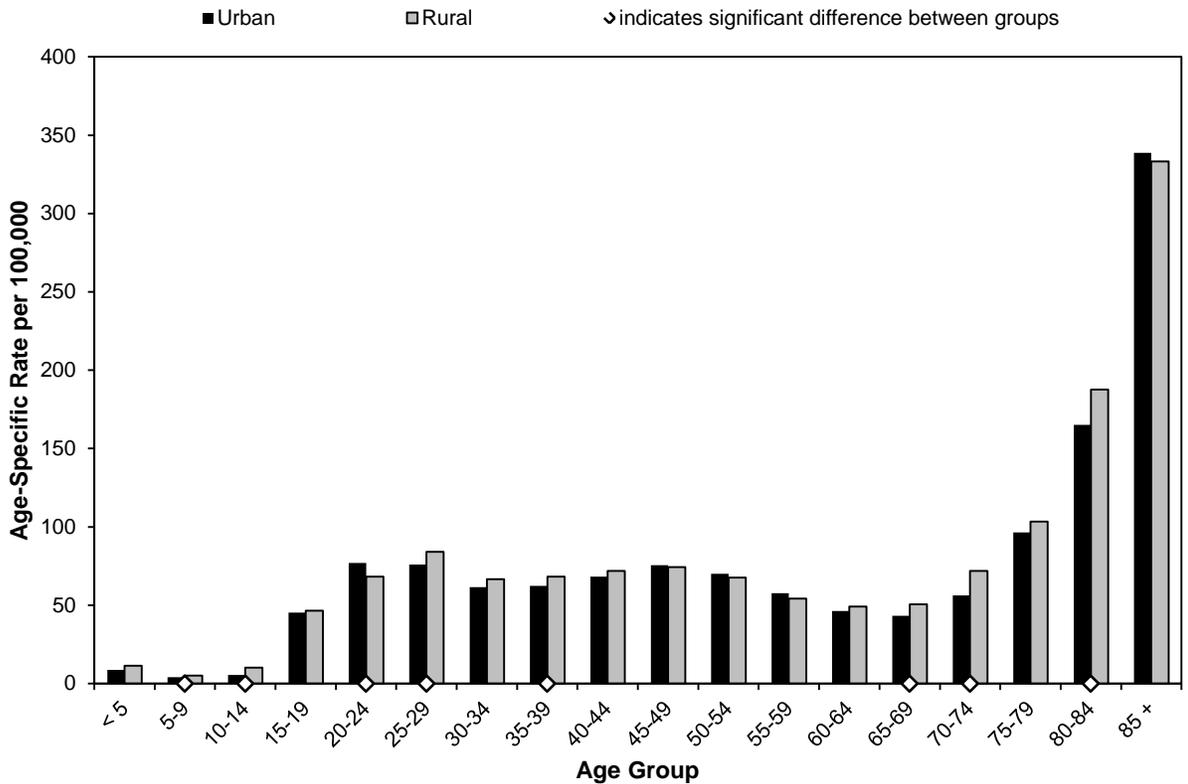
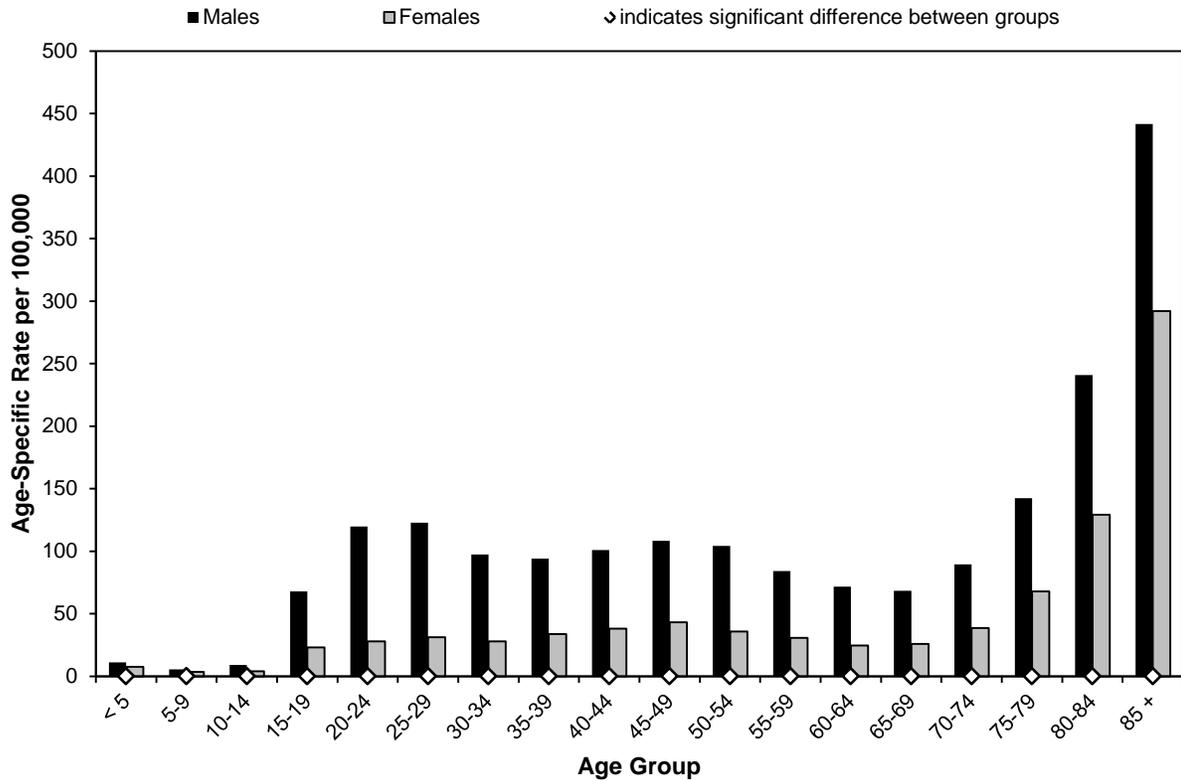
+/- denotes that the district's rate is significantly higher or lower than the state at the $p = .05$ level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

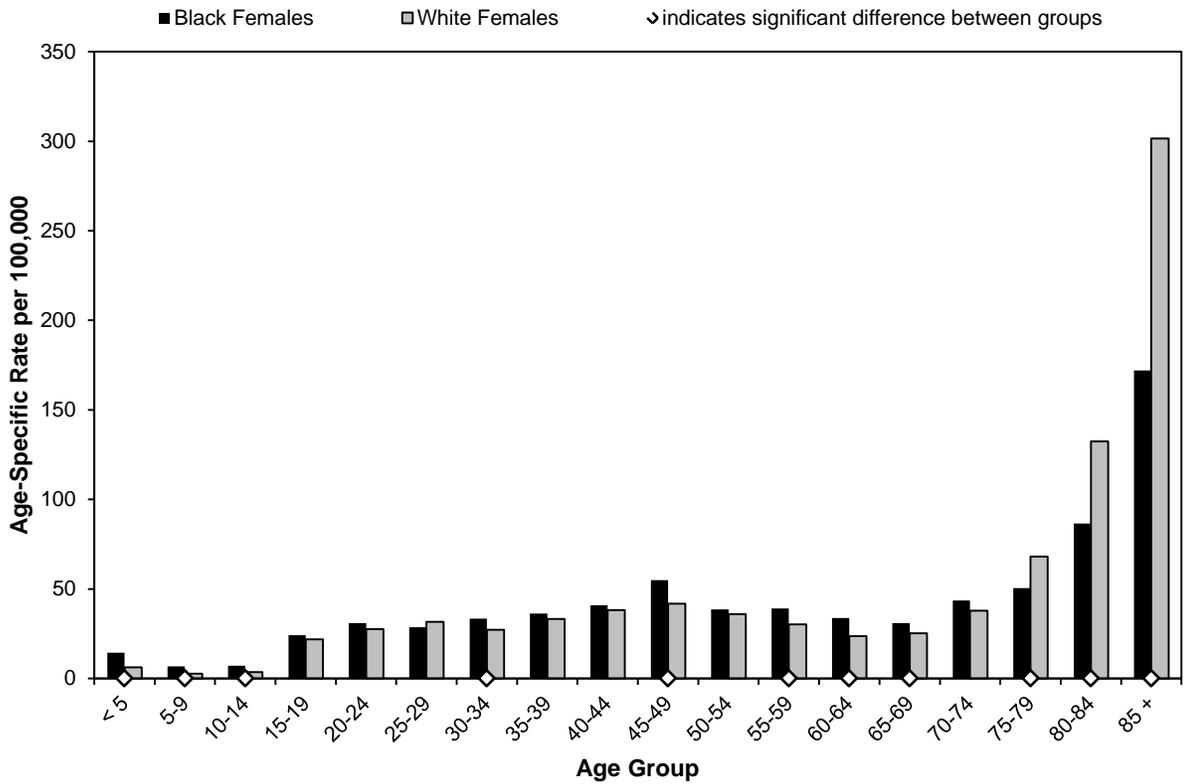
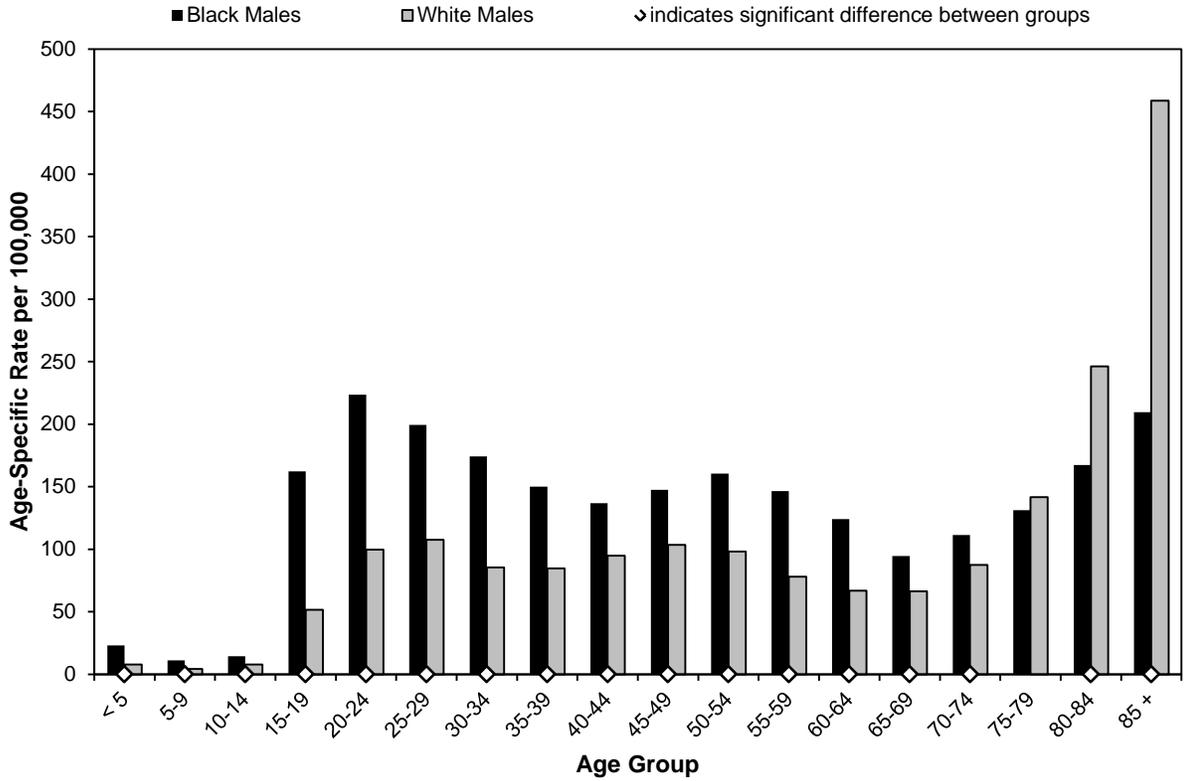
INJURY DEATH: ALL INJURIES

AGE-SPECIFIC DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: ALL INJURIES

AGE-SPECIFIC DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: ALL INJURIES

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

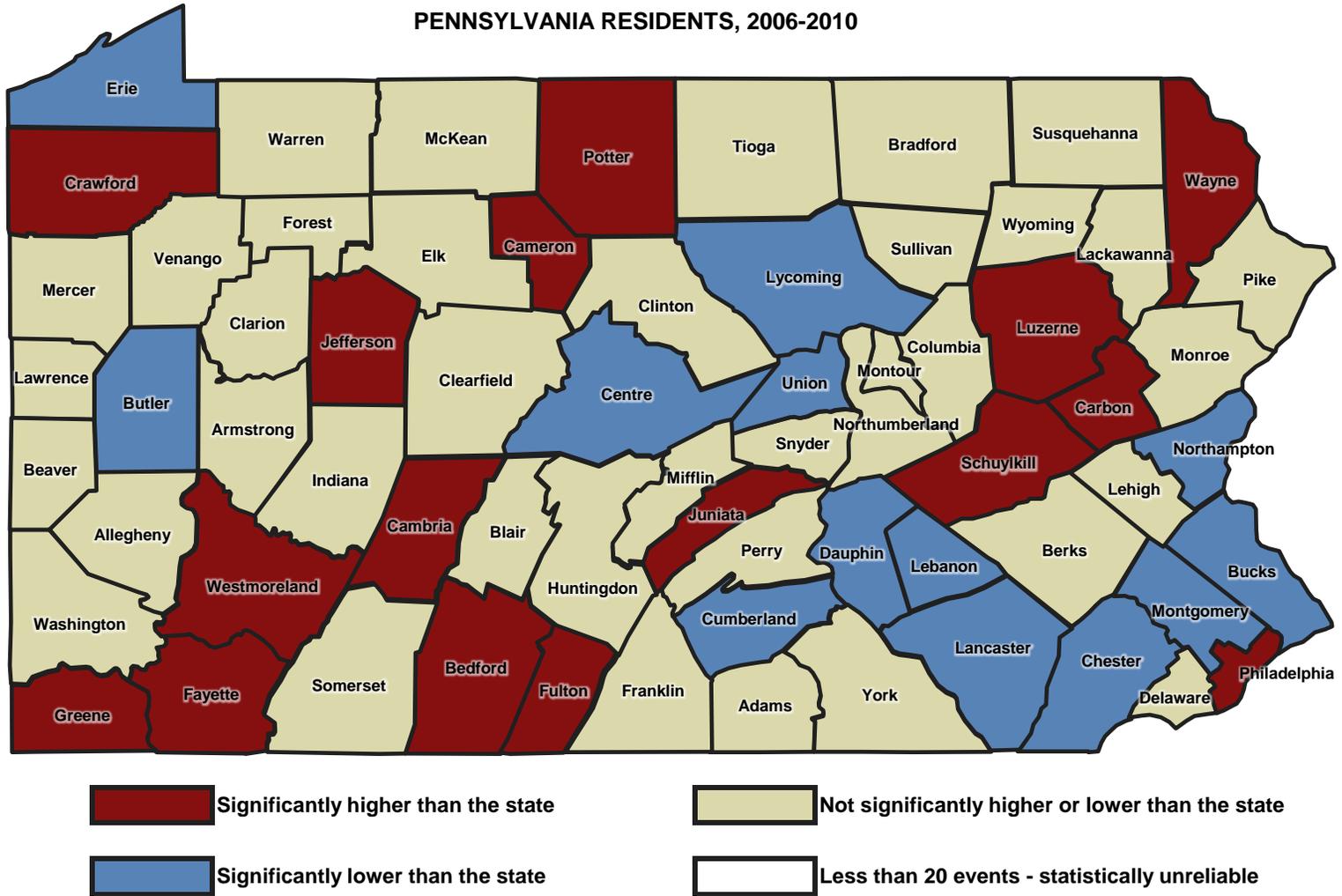
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	4,844	58.1	56.4-59.7	Southeast	15,582	60.0	59.1-61 +
Carbon	244	70.8	61.6-79.9 +	Berks	1,186	56.2	52.9-59.4
Lackawanna	692	60.5	55.8-65.1	Bucks	1,601	50.6	48.1-53.1 -
Lehigh	1,022	55.6	52.1-59.1	Chester	1,015	41.3	38.8-43.9 -
Luzerne	1,062	63.6	59.6-67.5 +	Delaware	1,784	60.6	57.7-63.5
Monroe	503	60.9	55.5-66.4	Lancaster	1,301	49.2	46.5-51.9 -
Northampton	743	46.8	43.4-50.2 -	Montgomery	2,020	47.7	45.6-49.8 -
Pike	151	51.1	42.7-59.5	Philadelphia	6,103	80.5	78.5-82.6 +
Susquehanna	141	68.3	56.6-79.9	Schuylkill	572	71.5	65.5-77.6 +
Wayne	193	73.3	62.5-84 +				
Wyoming	93	68.4	54.3-82.5				
North Central	1,861	51.4	49-53.8 -	South Central	4,827	55.8	54.2-57.4 -
Bradford	204	63.3	54.3-72.2	Adams	279	53.9	47.5-60.3
Centre	271	41.1	36-46.3 -	Bedford	177	69.4	58.9-79.9 +
Clinton	111	56.5	45.5-67.4	Blair	445	64.4	58.2-70.6
Columbia	200	60.9	52.1-69.7	Cumberland	536	42.9	39.2-46.6 -
Lycoming	317	50.0	44.3-55.6 -	Dauphin	712	53.2	49.3-57.2 -
Montour	50	53.2	37.8-68.6	Franklin	416	54.3	49-59.6
Northumberland	280	54.5	47.8-61.2	Fulton	68	85.5	64.8-106.3 +
Potter	69	80.7	60.8-100.6 +	Huntingdon	163	66.8	56.4-77.2
Snyder	107	52.8	42.6-63	Juniata	99	80.0	63.8-96.2 +
Sullivan	28	77.1	45.4-108.8	Lebanon	336	47.7	42.5-52.9 -
Tioga	118	54.9	44.5-65.3	Mifflin	148	59.9	49.9-69.8
Union	106	45.1	36.4-53.9 -	Perry	153	69.4	58.2-80.5
				York	1,295	59.0	55.8-62.2
Northwest	2,952	59.0	56.8-61.2	Southwest	9,092	60.9	59.6-62.2 +
Cameron	31	103.5	64.1-142.9 +	Allegheny	3,990	58.8	56.9-60.6
Clarion	130	62.0	50.8-73.1	Armstrong	232	62.8	54.4-71.2
Clearfield	301	65.9	58.2-73.5	Beaver	557	58.2	53.1-63.2
Crawford	317	67.5	59.9-75.1 +	Butler	499	52.0	47.4-56.7 -
Elk	104	59.6	47.7-71.6	Cambria	614	75.9	69.6-82.1 +
Erie	746	50.6	46.9-54.3 -	Fayette	519	68.7	62.6-74.8 +
Forest	26	71.7	40.8-102.6	Greene	167	79.7	67.4-92.1 +
Jefferson	169	70.9	59.9-82 +	Indiana	294	64.1	56.3-71.9
Lawrence	286	57.2	50.3-64.1	Somerset	295	65.8	58-73.6
McKean	120	52.5	42.9-62.2	Washington	659	58.9	54.3-63.5
Mercer	388	60.6	54.3-66.9	Westmoreland	1,266	63.3	59.7-66.9 +
Venango	183	63.0	53.5-72.4				
Warren	151	70.0	58.4-81.7	Pennsylvania	39,158	58.8	58.2-59.4

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY DEATHS: ALL INJURIES

AGE-ADJUSTED DEATH RATES BY COUNTY,
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE
PENNSYLVANIA RESIDENTS, 2006-2010



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: ALL INJURIES

TOTAL NUMBER OF DEATHS AND AGE-SPECIFIC DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	26,613	12,544	39,158	3,265	20.3	8,514	71.7	9,139	70.0	6,872	57.2	11,368	118.5
Northeast	3,262	1,582	4,844	406	20.6	1,039	72.6	1,156	70.5	831	53.4	1,412	112.6
Carbon	170	74	244	7	NSR	51	85.9	54	80.7	70	104.9	62	112.8
Lackawanna	453	239	692	41	16.2	162	81.9	161	77.2	118	57.7	210	111.7
Lehigh	653	369	1,022	69	15.4	189	58.8	206	58.2	171	52.6	387	150.2
Luzerne	724	338	1,062	66	18.3	260	90.3	291	89.2	173	55.7	272	95.4
Monroe	348	155	503	64	27.4	107	73.0	133	71.1	91	55.5	108	107.3
Northampton	497	246	743	54	13.7	139	50.7	166	54.1	122	43.1	262	119.4
Pike	109	42	151	34	47.8	25	55.1	44	66.6	29	43.4	19	42.2
Susquehanna	104	37	141	26	52.0	39	115.3	33	78.7	12	25.3	31	89.1
Wayne	135	58	193	34	60.9	41	98.7	46	86.1	30	49.8	42	87.9
Wyoming	69	24	93	11	29.0	26	111.3	22	77.0	15	52.1	19	89.9
Southeast	10,906	4,675	15,582	1,197	17.7	3,749	75.9	3,827	72.5	2,839	62.4	3,970	115.1
Berks	821	364	1,186	79	14.0	227	61.0	275	64.1	226	61.1	379	131.5
Bucks	1,073	528	1,601	92	11.4	347	67.0	382	52.8	296	46.4	484	111.4
Chester	674	341	1,015	73	10.6	223	50.3	225	40.5	205	44.2	289	94.8
Delaware	1,232	552	1,784	113	15.1	414	77.5	423	72.9	342	65.7	492	124.5
Lancaster	876	425	1,301	133	18.6	250	52.2	266	52.6	209	46.3	443	119.7
Montgomery	1,273	747	2,020	97	9.7	368	52.6	455	52.0	327	43.6	773	132.7
Philadelphia	4,573	1,530	6,103	564	27.3	1,808	102.8	1,646	114.1	1,130	93.4	955	101.7
Schuylkill	384	188	572	46	28.4	112	84.2	155	94.5	104	72.3	155	115.4

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	26,613	12,544	39,158	3,265	20.3	8,514	71.7	9,139	70.0	6,872	57.2	11,368	118.5
North Central	1,252	609	1,861	223	25.8	365	50.1	403	61.1	302	47.8	568	105.9
Bradford	142	62	204	16	20.3	41	80.3	50	78.5	36	57.6	61	115.4
Centre	179	92	271	19	10.0	59	26.1	59	47.8	54	49.8	80	97.4
Clinton	75	36	111	19	37.7	25	67.9	28	81.1	12	34.7	27	86.4
Columbia	142	58	200	24	28.2	44	63.3	47	79.1	23	38.2	62	116.9
Lycoming	200	117	317	23	16.0	57	51.0	76	64.4	60	52.2	101	105.1
Montour	37	13	50	10	45.5	11	77.9	4	NSR	12	63.6	13	79.5
Northumberland	187	93	280	40	37.6	47	61.5	53	55.0	46	48.6	94	109.5
Potter	46	23	69	20	90.0	17	127.1	7	NSR	7	NSR	18	114.3
Snyder	69	38	107	20	38.5	17	43.0	20	52.9	10	28.3	40	143.2
Sullivan	18	10	28	5	NSR	4	NSR	8	NSR	11	165.4	0	NSR
Tioga	79	39	118	18	32.4	20	56.3	32	85.7	18	44.4	30	82.5
Union	78	28	106	9	NSR	23	45.0	19	39.2	13	35.1	42	133.3
South Central	3,203	1,624	4,827	477	22.7	943	62.5	1,048	60.2	794	49.5	1,565	125.7
Adams	201	78	279	46	34.2	65	70.1	65	60.1	28	28.7	75	101.4
Bedford	117	60	177	20	33.0	35	85.6	41	78.4	26	51.6	55	123.6
Blair	284	161	445	31	19.9	81	72.0	93	74.0	70	55.4	170	154.6
Cumberland	358	178	536	46	15.9	104	44.9	117	49.8	95	43.6	174	98.3
Dauphin	484	228	712	67	20.0	154	65.4	151	53.2	138	52.7	202	113.5
Franklin	266	150	416	36	18.9	86	66.2	80	55.7	67	49.2	147	122.8
Fulton	43	25	68	7	NSR	14	106.5	11	70.5	15	101.0	21	170.3
Huntingdon	102	61	163	29	55.1	34	74.7	24	48.9	27	60.3	49	135.4
Juniata	72	27	99	15	48.6	22	109.6	15	62.7	14	61.2	33	166.5
Lebanon	215	121	336	45	27.5	50	40.9	85	65.8	48	38.6	108	99.6
Mifflin	96	52	148	27	44.7	21	54.8	31	66.8	22	49.4	47	112.0
Perry	103	50	153	14	23.2	33	82.6	51	103.1	20	42.1	35	118.4
York	862	433	1,295	94	17.0	244	63.2	284	59.4	224	54.0	449	152.8

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	26,613	12,544	39,158	3,265	20.3	8,514	71.7	9,139	70.0	6,872	57.2	11,368	118.5
Northwest	1,976	976	2,952	320	27.3	575	68.2	649	69.2	519	56.9	889	114.9
Cameron	21	10	31	6	NSR	7	NSR	4	NSR	5	NSR	9	NSR
Clarion	97	33	130	22	42.2	19	48.4	38	102.5	16	42.3	35	104.1
Clearfield	209	92	301	18	19.9	60	80.8	61	66.9	55	66.5	107	147.8
Crawford	226	91	317	23	19.6	60	77.1	71	81.6	62	69.3	101	140.0
Elk	79	25	104	20	52.1	22	89.7	27	75.2	14	42.2	21	69.9
Erie	498	248	746	57	15.2	147	51.8	162	57.8	157	60.6	223	110.5
Forest	17	9	26	5	NSR	3	NSR	5	NSR	8	NSR	5	NSR
Jefferson	116	53	169	22	40.0	40	103.8	29	63.6	29	63.5	49	119.4
Lawrence	172	114	286	22	19.5	53	70.4	60	66.3	56	61.4	95	112.7
McKean	82	38	120	18	33.3	25	63.7	33	70.9	13	31.5	31	84.2
Mercer	239	149	388	48	32.0	71	71.3	99	85.8	58	50.4	112	106.9
Venango	118	65	183	26	38.4	37	83.2	33	59.9	25	42.6	62	129.5
Warren	102	49	151	33	67.4	31	96.0	27	64.0	21	46.7	39	104.1
Southwest	6,014	3,078	9,092	642	19.9	1,843	76.1	2,056	73.6	1,587	57.5	2,964	127.1
Allegheny	2,685	1,305	3,990	251	17.2	829	72.6	870	69.6	761	62.5	1,279	124.4
Armstrong	154	78	232	15	17.9	41	77.1	58	80.5	32	44.2	86	135.6
Beaver	374	183	557	34	16.9	123	86.1	101	56.5	108	59.3	191	120.7
Butler	312	187	499	40	16.5	107	67.2	106	53.1	91	50.6	155	114.7
Cambria	409	205	614	40	24.1	117	92.1	146	100.0	105	70.2	206	152.0
Fayette	348	171	519	30	18.0	120	100.1	128	85.6	78	51.3	163	130.1
Greene	99	68	167	22	48.9	42	108.4	33	77.9	34	82.2	36	121.1
Indiana	208	86	294	15	13.1	60	64.7	65	81.5	53	63.7	101	145.3
Somerset	203	92	295	39	46.1	54	77.9	56	67.2	32	40.5	114	157.5
Washington	429	230	659	83	33.4	131	71.9	171	81.2	75	35.1	199	111.2
Westmoreland	793	473	1,266	73	17.6	219	74.0	322	84.2	218	56.0	434	129.0

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: ALL INJURIES

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	829	103.2	96.1-110.3	Allegheny	3,088	51.8	49.9-53.7	Berks	121	48.5	38.4-58.5
Chester	81	54.3	42.1-66.5	Chester	889	40.3	37.6-43	Lancaster	69	40.0	29-51
Dauphin	144	64.7	53.9-75.4	Dauphin	520	47.6	43.4-51.8	Lehigh	110	56.5	42.7-70.4
Delaware	332	63.5	56.4-70.5	Delaware	1,407	61.1	57.8-64.5	Philadelphia	543	73.8	66.9-80.6
Montgomery	152	44.7	37.5-51.9	Montgomery	1,787	48.6	46.3-51				
Philadelphia	3,033	90.4	87.1-93.7	Philadelphia	2,383	65.6	62.9-68.4				
Pennsylvania	5,244	78.1	76-80.3	Pennsylvania	32,215	55.2	54.6-55.8	Pennsylvania	1,248	46.8	43.9-49.8

NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
Allegheny	White	82.7%	1,996	1,092	3,088	77.4%	110	10.0	511	56.6	670	63.7	612	57.5	1,185	128.3
	Black	13.4%	634	195	829	20.8%	128	46.6	288	167.4	186	121.8	139	108.4	88	97.8
Chester	White	88.7%	581	308	889	87.6%	60	10.1	167	43.9	204	41.3	185	43.3	273	96.6
	Black	6.2%	59	22	81	8.0%	8	NSR	32	91.9	14	47.3	15	65.5	12	77.2
Dauphin	White	76.3%	346	174	520	73.0%	33	14.7	91	52.8	99	45.1	115	53.2	182	117.7
	Black	17.9%	100	44	144	20.2%	31	38.8	46	97.8	34	70.0	17	46.3	16	80.9
Delaware	White	75.0%	930	477	1,407	78.9%	61	11.8	270	73.4	342	79.4	284	66.7	450	130.4
	Black	18.9%	265	67	332	18.6%	49	28.0	127	98.8	72	65.6	48	67.4	36	90.9
Montgomery	White	83.7%	1,114	673	1,787	88.5%	67	8.3	307	55.1	386	53.4	291	44.5	736	138.7
	Black	8.7%	102	50	152	7.5%	21	21.3	35	46.1	54	67.8	21	37.9	21	65.7
Philadelphia	White	45.6%	1,642	741	2,383	39.0%	67	8.7	547	66.5	710	108.0	510	86.2	549	101.9
	Black	45.3%	2,380	653	3,033	49.7%	423	39.2	1,021	138.5	735	111.8	517	97.5	337	94.1
Pennsylvania	White	84.9%	21,244	10,970	32,215	82.3%	1,884	14.6	6,162	63.8	7,389	66.3	5,966	55.9	10,814	123.1
	Black	10.7%	4,061	1,183	5,244	13.4%	786	35.9	1,779	115.7	1,239	91.5	864	86.0	576	89.6

INJURY DEATHS: UNINTENTIONAL FALLS

In 2010, among Pennsylvania residents, there were 1,401 deaths due to unintentional falls. On average, one resident died every six hours.

Injury Definition

Unintentional falls include:

- slips, trips and stumbles on same level;
- falls due to collision with another person;
- falls down stairs, off a toilet, bed or chair, or another fall from one level to another.

The type of fall often varies by age and gender.

Falls involving intentionally jumping off or being pushed from a high place are *not* included.

HIGHLIGHTS

- *Age-adjusted rates have generally been **increasing** over 2006 to 2010.*
- *The most common demographic is residents age **80 and older**.*
- *Of all Pennsylvania counties, **York and Somerset** show the highest rates.*

Trends Over Time

- The age-adjusted death rate for unintentional falls increased by 26 percent from 2006 to 2010, from 6.5 to 8.2 deaths per 100,000 population.
- Males showed significantly higher age-adjusted falls death rates than females over 2006 to 2010 (rates were 10.1 and 6.9, respectively, in 2010).
- White males and females showed higher age-adjusted falls death rates than black males and females over 2006 to 2010.

Demographic Trends

- Males showed significantly higher falls death rates than females for ages 40 and older.
- White males and females showed significantly higher falls death rates than black males and females for ages 80 and older.
- Ages 80 and older accounted for over half of all falls deaths. While males showed the higher rates in this age group, females (especially white females) represent the majority of falls deaths in this age group. This reflects disparities in underlying population.

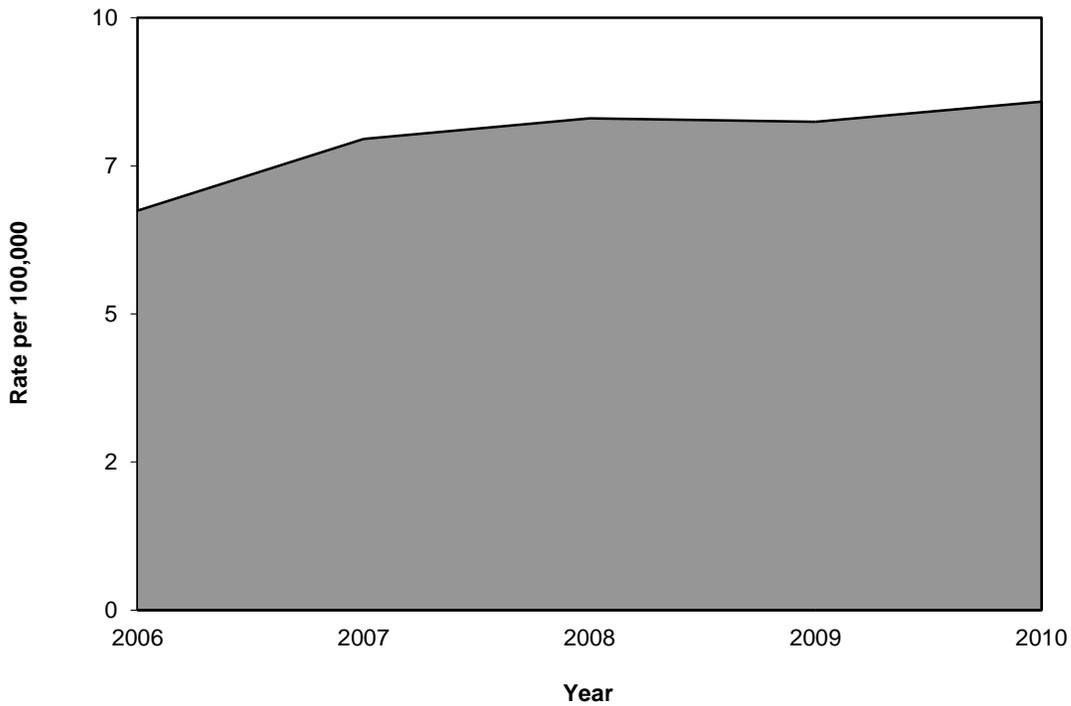
Regional Trends

- The Southwest Health District showed the highest age-specific falls death rate, while the North Central Health District showed the lowest rate.
- Ten counties showed age-adjusted falls death rates for 2006 to 2010 that were significantly higher than the comparable state rate: Allegheny, Blair, Bucks, Cambria, Delaware, Lehigh, Montgomery, Somerset, Westmoreland and York. Most counties were urban.

INJURY DEATHS: UNINTENTIONAL FALLS

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	953	6.5
2007	1,153	7.6
2008	1,266	8.0
2009	1,329	7.9
2010	1,401	8.2



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	5.3	5.6	6.3	7.7	6.1	7.2
2007	7.3	7.4	6.8	8.3	8.1	7.1
2008	7.4	7.7	6.0	8.6	7.2	9.7
2009	5.9	6.3	7.3	8.9	8.3	8.4
2010	5.7	6.8	7.4	8.7	8.0	10.0

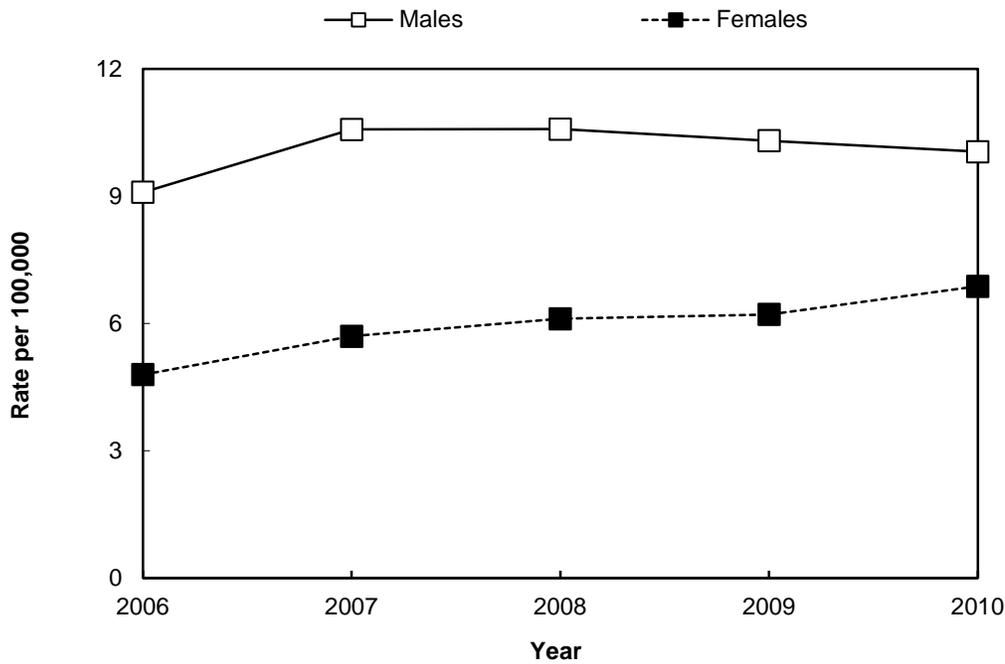
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.
See Technical Notes.

INJURY DEATHS: UNINTENTIONAL FALLS

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	493	9.1 *	2006	460	4.8
2007	598	10.6 *	2007	555	5.7
2008	641	10.6 *	2008	625	6.1
2009	660	10.3 *	2009	669	6.2
2010	654	10.1 *	2010	747	6.9

** denotes a statistically significant difference between groups at level of $p = .05$*



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

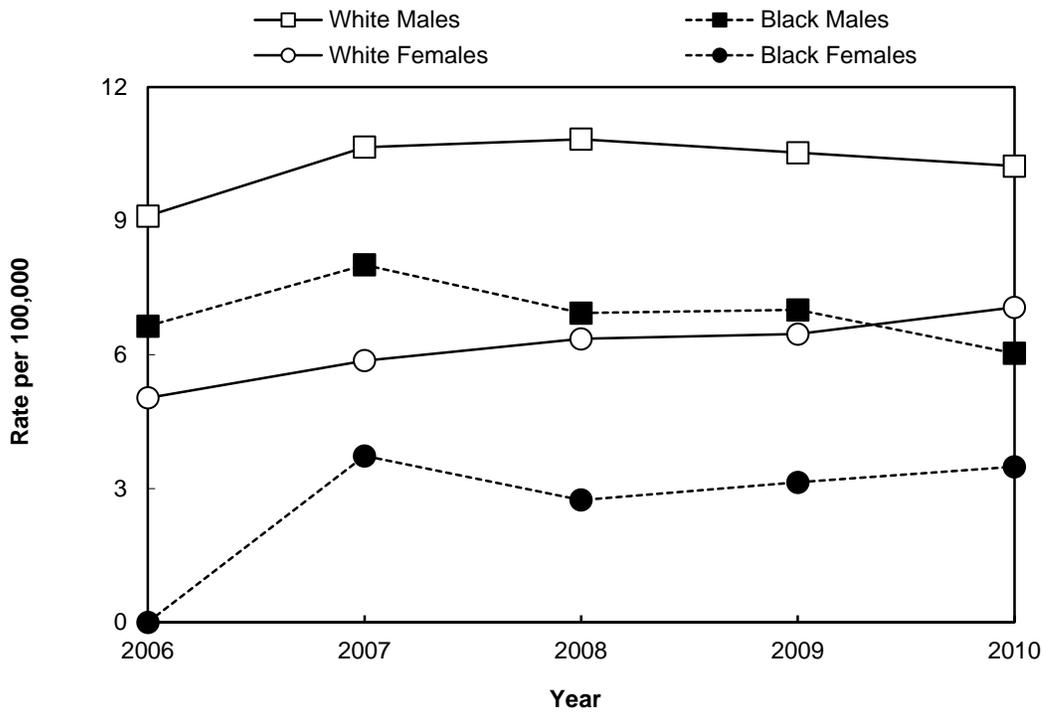
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	9.3	8.7	2006	4.8	4.7
2007	11.3	8.8 *	2007	5.6	5.9
2008	10.7	10.2	2008	6.2	6.0
2009	10.4	10.0	2009	6.3	6.0
2010	10.4	9.3	2010	7.1	6.2

NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania. Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY DEATHS: UNINTENTIONAL FALLS

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	449	29	444	13	7	2
2007	549	32	528	25	14	1
2008	597	34	597	20	8	5
2009	617	31	641	22	6	3
2010	608	28	706	25	10	8



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	9.1	6.6	5.0	NSR	NSR	NSR
2007	10.7	8.0	5.9	3.7 *	NSR	NSR
2008	10.8	6.9 *	6.4	2.7 *	NSR	NSR
2009	10.5	7.0 *	6.5	3.1 *	NSR	NSR
2010	10.2	6.0 *	7.1	3.5 *	NSR	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY DEATH: UNINTENTIONAL FALLS

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	6,102	9.7	3,046	10.0	3,056	9.5	4,454	9.8	1,648	9.6
< 5	10	NSR	5	NSR	5	NSR	6	NSR	4	NSR
5-9	5	NSR	2	NSR	3	NSR	4	NSR	1	NSR
10-14	3	NSR	1	NSR	2	NSR	1	NSR	2	NSR
15-19	19	0.4	13	0.6	6	NSR	18	0.5	1	NSR
20-24	25	0.6	19	0.8	6	NSR	20	0.6	5	NSR
25-29	36	1.0	29	1.5	7	NSR	28	1.0	8	NSR
30-34	26	0.7	17	0.9	9	NSR	16	0.6	10	NSR
35-39	37	0.9	31	1.6	6	NSR	26	0.9	11	1.0
40-44	89	2.0	69	3.2	20	0.9	60	1.9	29	2.4
45-49	144	3.1	107	4.7	37	1.6	111	3.3	33	2.6
50-54	162	3.6	126	5.7	36	1.6	115	3.5	47	3.7
55-59	212	5.2	153	7.8	59	2.8	159	5.5	53	4.6
60-64	232	6.8	150	9.2	82	4.6	160	6.6	72	7.2
65-69	283	10.6	181	14.7	102	7.1	207	11.1	76	9.4
70-74	387	17.5	222	22.8	165	13.3	250	16.2	137	20.5
75-79	698	37.4	374	48.8	324	29.5	504	38.4	194	35.1
80-84	1,213	83.9	606	110.5	607	67.6	853	82.9	360	86.2
85 +	2,521	181.5	941	223.7	1,580	163.2	1,916	192.3	605	154.1

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: UNINTENTIONAL FALLS

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	2,820	10.9	154	4.8	2,916	10.7	105	3.0	64	2.1		
< 5	4	NSR	0	NSR	0	NSR	2	NSR	3	NSR		
5-9	0	NSR	2	NSR	3	NSR	0	NSR	0	NSR		
10-14	1	NSR	0	NSR	2	NSR	0	NSR	0	NSR		
15-19	12	0.6	0	NSR	6	NSR	0	NSR	0	NSR		
20-24	16	0.9	1	NSR	4	NSR	2	NSR	2	NSR		
25-29	20	1.3	3	NSR	6	NSR	1	NSR	5	NSR		
30-34	16	1.0	1	NSR	6	NSR	3	NSR	0	NSR		
35-39	22	1.3	7	NSR	4	NSR	2	NSR	2	NSR		
40-44	58	3.1	5	NSR	19	1.0	1	NSR	4	NSR		
45-49	94	4.7	8	NSR	29	1.4	6	NSR	5	NSR		
50-54	104	5.3	17	9.2	*	34	1.7	1	NSR	3	NSR	
55-59	123	6.9	24	16.1	*	49	2.7	10	5.3	*	5	NSR
60-64	131	8.9	14	12.5	*	78	4.9	4	NSR	5	NSR	
65-69	165	14.6	11	14.1		98	7.5	4	NSR	0	NSR	
70-74	206	23.0	12	19.7		148	13.2	12	12.7	7	NSR	
75-79	353	49.7	8	NSR		306	30.4	9	NSR	11	45.8	
80-84	582	114.0	20	65.6	*	585	70.7	15	25.0	*	3	NSR
85 +	913	234.1	21	84.7	*	1,539	171.9	33	53.1	*	9	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY DEATHS: UNINTENTIONAL FALLS

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST						
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate					
TOTAL	418	9.0	266	7.8	688	8.8	1,679	12.4	829	10.1	2,222	8.9					
< 5	0	NSR	-	2	NSR	3	NSR	0	NSR	-	3	NSR	2	NSR			
5-9	1	NSR		0	NSR	1	NSR	1	NSR	0	NSR	2	NSR				
10-14	1	NSR		0	NSR	1	NSR	1	NSR	0	NSR	0	NSR				
15-19	1	NSR		0	NSR	-	1	NSR	3	NSR	4	NSR	10	0.5			
20-24	1	NSR		0	NSR	-	5	NSR	5	NSR	2	NSR	12	0.7			
25-29	3	NSR		1	NSR		2	NSR	7	NSR	9	NSR	14	0.9			
30-34	1	NSR		2	NSR		2	NSR	10	1.3	+	4	NSR	7	NSR		
35-39	2	NSR		4	NSR		3	NSR	6	NSR		9	NSR	13	0.8		
40-44	7	NSR		4	NSR		7	NSR	24	2.6		12	2.0	35	2.0		
45-49	4	NSR		4	NSR		16	2.7	36	3.5		18	2.9	66	3.6		
50-54	14	4.1		5	NSR		25	4.3	38	3.7		17	2.8	63	3.6		
55-59	18	5.8		6	NSR		21	4.0	-	55	5.9	20	3.7	-	92	6.0	+
60-64	16	6.1		18	9.8	+	30	6.6	57	7.3		34	7.4	77	6.1		
65-69	33	15.4	+	6	NSR		33	9.2	71	11.6		34	9.2	106	11.0		
70-74	35	19.3		15	11.8	-	43	14.7	-	108	20.5	61	20.6	+	125	15.8	
75-79	58	38.0		35	33.6		77	31.9	-	201	43.8	104	43.0	223	33.4		
80-84	89	76.1		67	85.7		148	79.9		325	87.2	178	101.0	+	406	78.5	
85 +	134	123.0	-	97	133.3	-	270	153.8	-	731	202.6	+	320	196.0	969	190.8	

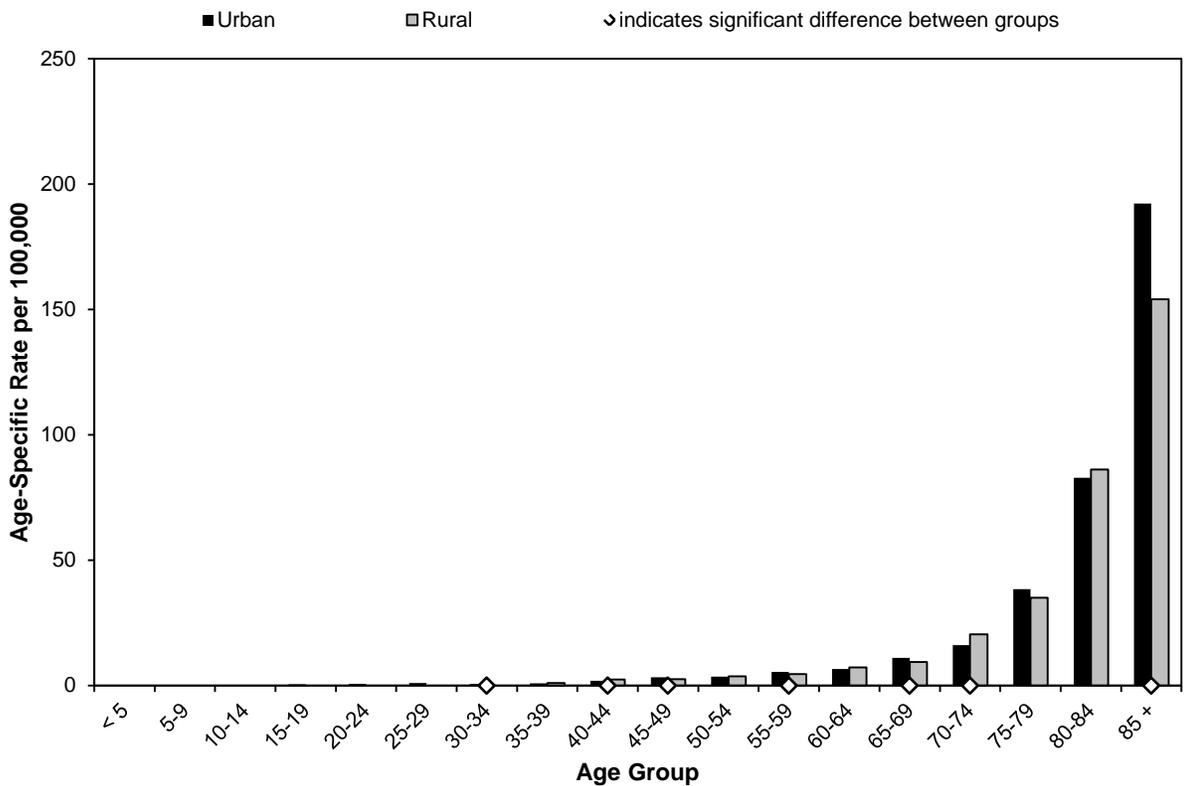
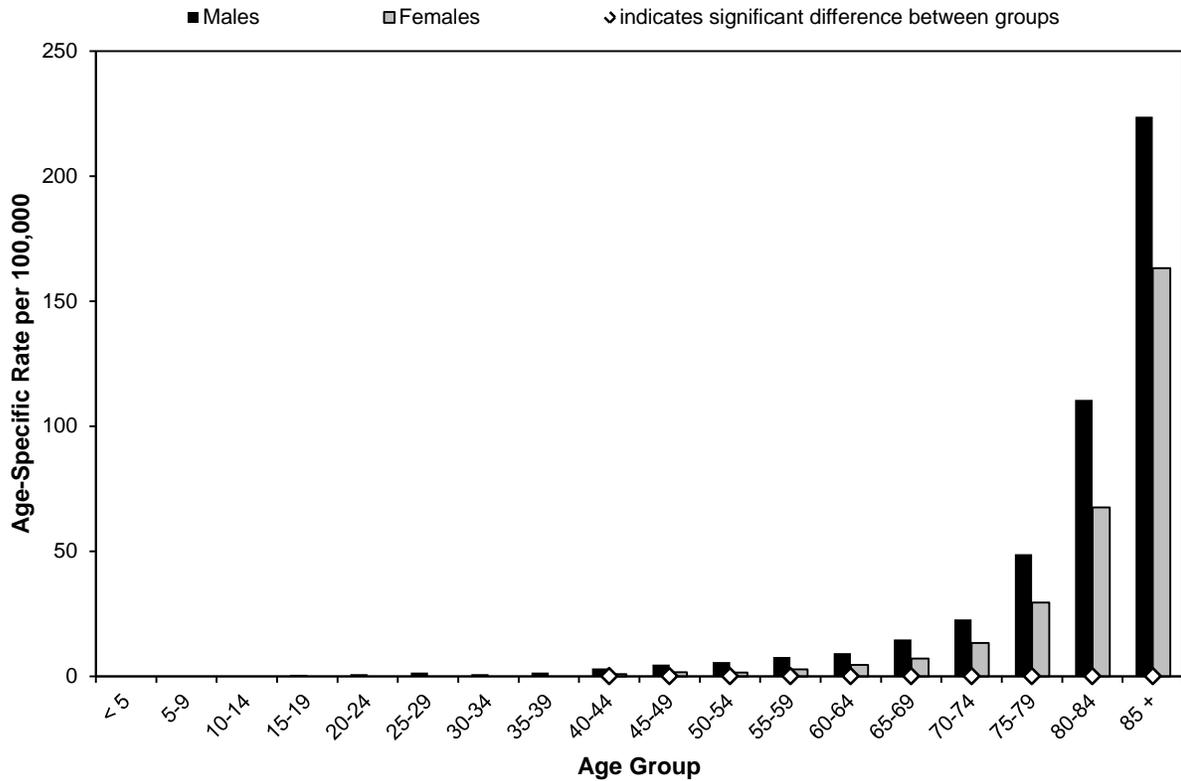
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

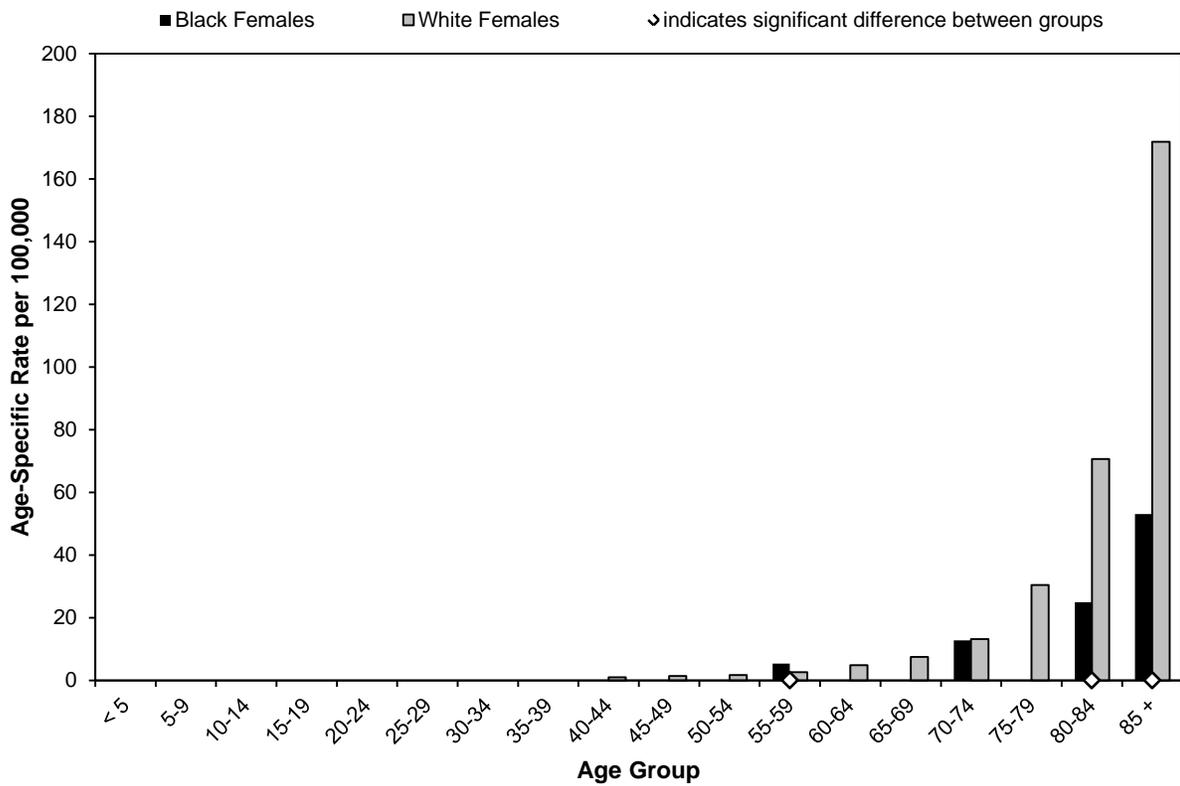
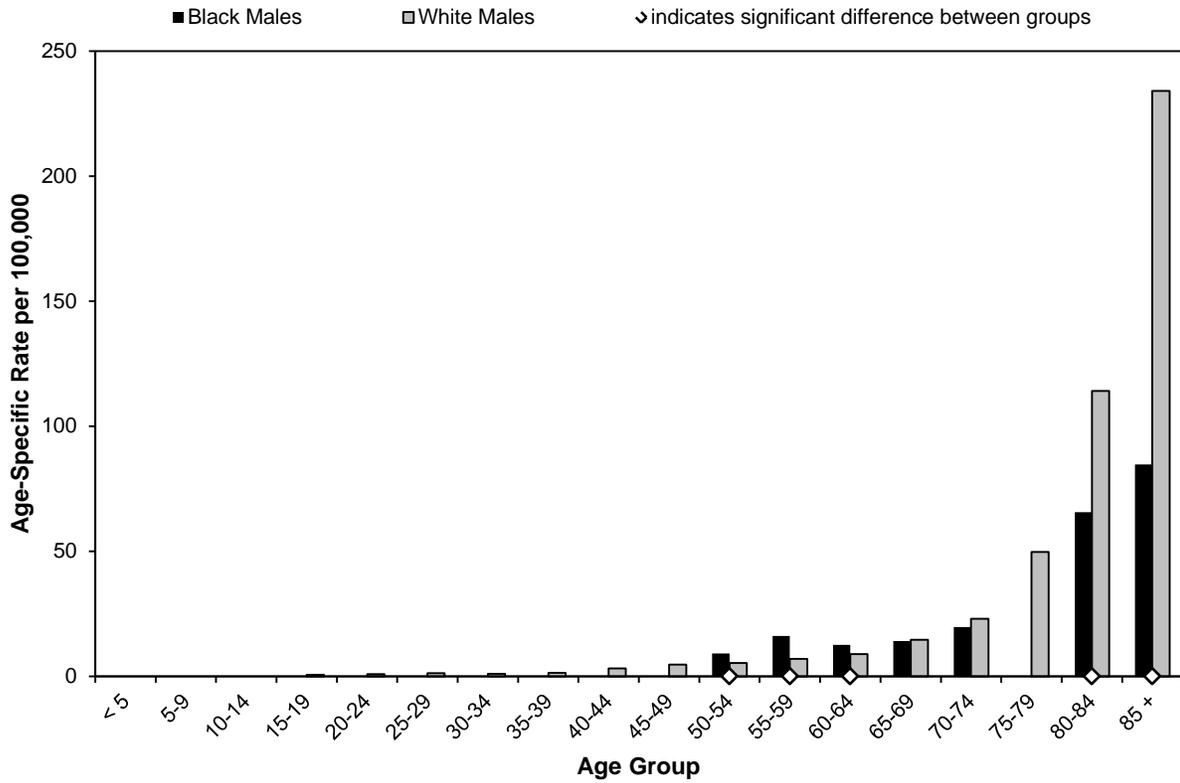
INJURY DEATH: UNINTENTIONAL FALLS

AGE-SPECIFIC DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: UNINTENTIONAL FALLS

AGE-SPECIFIC DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: UNINTENTIONAL FALLS

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

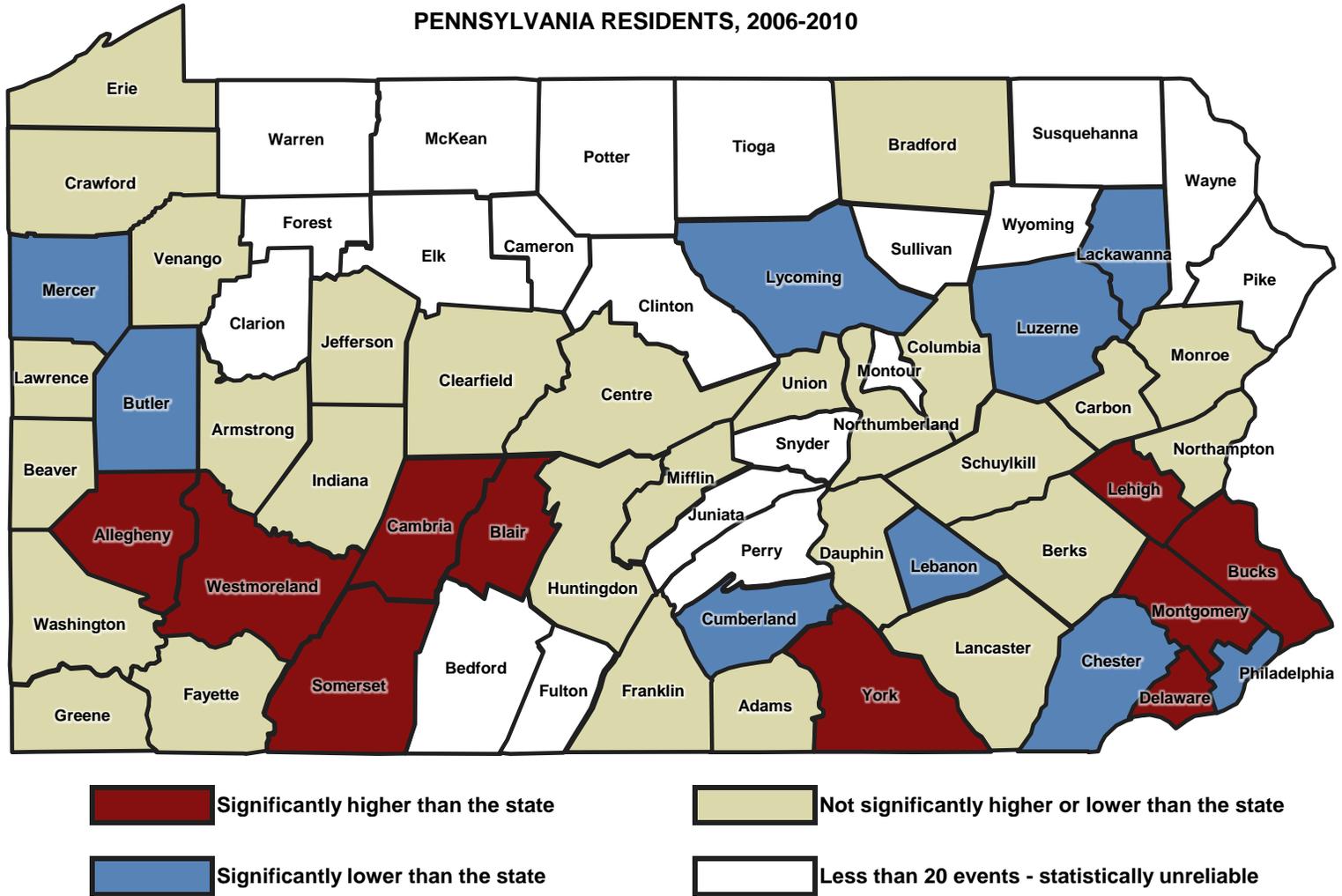
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	688	6.7	6.2-7.2 -	Southeast	2,222	7.6	7.2-7.9
Carbon	34	7.9	5.2-10.6	Berks	208	8.7	7.5-9.8
Lackawanna	87	5.7	4.5-6.9 -	Bucks	305	9.1	8.1-10.1 +
Lehigh	240	11.3	9.8-12.7 +	Chester	143	5.9	4.9-6.9 -
Luzerne	102	4.6	3.7-5.5 -	Delaware	306	8.8	7.8-9.8 +
Monroe	49	6.5	4.7-8.3	Lancaster	212	7.1	6.2-8.1
Northampton	132	7.0	5.8-8.2	Montgomery	475	9.5	8.7-10.4 +
Pike	10	NSR		Philadelphia	480	5.8	5.3-6.4 -
Susquehanna	14	NSR		Schuylkill	93	8.8	7-10.7
Wayne	14	NSR					
Wyoming	6	NSR					
North Central	266	6.3	5.5-7 -	South Central	829	8.4	7.8-9 +
Bradford	27	7.1	4.4-9.9	Adams	45	7.8	5.5-10.1
Centre	43	6.8	4.7-8.8	Bedford	19	NSR	
Clinton	19	NSR		Blair	101	11.3	9.1-13.6 +
Columbia	32	7.5	4.9-10.1	Cumberland	84	6.2	4.9-7.6 -
Lycoming	26	3.4	2.1-4.7 -	Dauphin	99	6.6	5.3-7.9
Montour	12	NSR		Franklin	78	8.4	6.5-10.2
Northumberland	51	7.3	5.3-9.3	Fulton	6	NSR	
Potter	7	NSR		Huntingdon	27	9.9	6.1-13.6
Snyder	15	NSR		Juniata	16	NSR	
Sullivan	2	NSR		Lebanon	43	5.1	3.5-6.6 -
Tioga	10	NSR		Mifflin	26	8.1	5-11.2
Union	22	9.1	5.2-13	Perry	12	NSR	
				York	273	11.8	10.4-13.2 +
Northwest	418	6.7	6.1-7.4 -	Southwest	1,679	8.5	8.1-8.9 +
Cameron	4	NSR		Allegheny	793	8.8	8.2-9.4 +
Clarion	12	NSR		Armstrong	34	6.7	4.4-9.1
Clearfield	41	7.0	4.9-9.2	Beaver	81	6.3	4.9-7.7
Crawford	37	6.7	4.5-8.9	Butler	65	6.1	4.6-7.6 -
Elk	15	NSR		Cambria	121	10.4	8.5-12.3 +
Erie	137	8.2	6.8-9.6	Fayette	80	7.6	5.9-9.3
Forest	3	NSR		Greene	21	8.7	4.9-12.5
Jefferson	22	7.5	4.3-10.7	Indiana	41	6.9	4.8-9.1
Lawrence	51	7.6	5.5-9.8	Somerset	72	11.5	8.9-14.2 +
McKean	15	NSR		Washington	117	8.0	6.5-9.5
Mercer	37	4.3	2.9-5.6 -	Westmoreland	254	9.4	8.2-10.5 +
Venango	28	7.2	4.5-9.9				
Warren	16	NSR		Pennsylvania	6,102	7.7	7.5-7.9

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY DEATHS: UNINTENTIONAL FALLS

AGE-ADJUSTED DEATH RATES BY COUNTY,
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE
PENNSYLVANIA RESIDENTS, 2006-2010



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: UNINTENTIONAL FALLS

TOTAL NUMBER OF DEATHS AND AGE-SPECIFIC DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	3,046	3,056	6,102	499	3.1	750	6.3	1,221	9.4	1,852	15.4	1,780	18.6
Northeast	342	346	688	82	4.2	70	4.9	174	10.6	166	10.7	196	15.6
Carbon	22	12	34	11	15.6	9	NSR	14	20.9	0	NSR	0	NSR
Lackawanna	40	47	87	13	5.1	14	7.1	60	28.8	0	NSR	0	NSR
Lehigh	99	141	240	4	NSR	7	NSR	16	4.5	43	13.2	170	66.0
Luzerne	59	43	102	5	NSR	12	4.2	16	4.9	43	13.8	26	9.1
Monroe	27	22	49	6	NSR	6	NSR	12	6.4	25	15.2	0	NSR
Northampton	70	62	132	8	NSR	13	4.7	56	18.2	55	19.4	0	NSR
Pike	7	3	10	6	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Susquehanna	5	9	14	14	28.0	0	NSR	0	NSR	0	NSR	0	NSR
Wayne	8	6	14	9	NSR	5	NSR	0	NSR	0	NSR	0	NSR
Wyoming	5	1	6	6	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Southeast	1,135	1,087	2,222	78	1.2	168	3.4	282	5.3	871	19.2	823	23.9
Berks	118	90	208	5	NSR	9	NSR	24	5.6	47	12.7	123	42.7
Bucks	134	171	305	6	NSR	13	2.5	18	2.5	64	10.0	204	46.9
Chester	77	66	143	10	1.4	19	4.3	28	5.0	86	18.5	0	NSR
Delaware	153	153	306	10	1.3	26	4.9	37	6.4	233	44.7	0	NSR
Lancaster	118	94	212	8	NSR	15	3.1	19	3.8	72	15.9	98	26.5
Montgomery	218	257	475	7	NSR	13	1.9	44	5.0	173	23.1	238	40.9
Philadelphia	272	208	480	21	1.0	58	3.3	95	6.6	146	12.1	160	17.0
Schuylkill	45	48	93	11	6.8	15	11.3	17	10.4	50	34.8	0	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	3,046	3,056	6,102	499	3.1	750	6.3	1,221	9.4	1,852	15.4	1,780	18.6
North Central	136	130	266	86	9.9	83	11.4	82	12.4	15	2.4	0	NSR
Bradford	16	11	27	5	NSR	5	NSR	17	26.7	0	NSR	0	NSR
Centre	16	27	43	5	NSR	5	NSR	18	14.6	15	13.8	0	NSR
Clinton	11	8	19	10	19.9	9	NSR	0	NSR	0	NSR	0	NSR
Columbia	18	14	32	12	14.1	20	28.8	0	NSR	0	NSR	0	NSR
Lycoming	9	17	26	7	NSR	19	17.0	0	NSR	0	NSR	0	NSR
Montour	7	5	12	7	NSR	5	NSR	0	NSR	0	NSR	0	NSR
Northumberland	32	19	51	5	NSR	8	NSR	38	39.4	0	NSR	0	NSR
Potter	1	6	7	7	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Snyder	7	8	15	15	28.9	0	NSR	0	NSR	0	NSR	0	NSR
Sullivan	1	1	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	7	3	10	7	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Union	11	11	22	4	NSR	9	NSR	9	NSR	0	NSR	0	NSR
South Central	400	429	829	88	4.2	128	8.5	224	12.9	389	24.3	0	NSR
Adams	26	19	45	6	NSR	7	NSR	15	13.9	17	17.4	0	NSR
Bedford	10	9	19	5	NSR	6	NSR	8	NSR	0	NSR	0	NSR
Blair	50	51	101	9	NSR	17	15.1	75	59.6	0	NSR	0	NSR
Cumberland	38	46	84	8	NSR	6	NSR	14	6.0	56	25.7	0	NSR
Dauphin	45	54	99	8	NSR	15	6.4	20	7.1	56	21.4	0	NSR
Franklin	38	40	78	4	NSR	7	NSR	16	11.1	51	37.4	0	NSR
Fulton	4	2	6	4	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Huntingdon	13	14	27	5	NSR	15	33.0	7	NSR	0	NSR	0	NSR
Juniata	9	7	16	11	35.6	5	NSR	0	NSR	0	NSR	0	NSR
Lebanon	20	23	43	5	NSR	10	8.2	28	21.7	0	NSR	0	NSR
Mifflin	13	13	26	6	NSR	20	52.2	0	NSR	0	NSR	0	NSR
Perry	5	7	12	4	NSR	6	NSR	2	NSR	0	NSR	0	NSR
York	129	144	273	13	2.3	12	3.1	39	8.2	209	50.4	0	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	3,046	3,056	6,102	499	3.1	750	6.3	1,221	9.4	1,852	15.4	1,780	18.6
Northwest	214	204	418	69	5.9	113	13.4	113	12.0	71	7.8	52	6.7
Cameron	2	2	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	8	4	12	5	NSR	7	NSR	0	NSR	0	NSR	0	NSR
Clearfield	23	18	41	8	NSR	18	24.2	15	16.5	0	NSR	0	NSR
Crawford	19	18	37	8	NSR	11	14.1	18	20.7	0	NSR	0	NSR
Elk	8	7	15	7	NSR	8	NSR	0	NSR	0	NSR	0	NSR
Erie	70	67	137	5	NSR	7	NSR	19	6.8	54	20.8	52	25.8
Forest	1	2	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	13	9	22	4	NSR	8	NSR	10	21.9	0	NSR	0	NSR
Lawrence	26	25	51	6	NSR	9	NSR	19	21.0	17	18.6	0	NSR
McKean	6	9	15	5	NSR	10	25.5	0	NSR	0	NSR	0	NSR
Mercer	20	17	37	4	NSR	9	NSR	24	20.8	0	NSR	0	NSR
Venango	10	18	28	5	NSR	15	33.7	8	NSR	0	NSR	0	NSR
Warren	8	8	16	5	NSR	11	34.1	0	NSR	0	NSR	0	NSR
Southwest	819	860	1,679	96	3.0	188	7.8	346	12.4	340	12.3	709	30.4
Allegheny	381	412	793	8	NSR	19	1.7	57	4.6	110	9.0	599	58.3
Armstrong	18	16	34	9	NSR	25	47.0	0	NSR	0	NSR	0	NSR
Beaver	46	35	81	9	NSR	12	8.4	34	19.0	26	14.3	0	NSR
Butler	31	34	65	8	NSR	7	NSR	20	10.0	30	16.7	0	NSR
Cambria	60	61	121	8	NSR	8	NSR	25	17.1	80	53.5	0	NSR
Fayette	35	45	80	6	NSR	13	10.8	61	40.8	0	NSR	0	NSR
Greene	9	12	21	4	NSR	5	NSR	12	28.3	0	NSR	0	NSR
Indiana	21	20	41	9	NSR	16	17.2	16	20.1	0	NSR	0	NSR
Somerset	35	37	72	15	17.7	57	82.3	0	NSR	0	NSR	0	NSR
Washington	59	58	117	13	5.2	11	6.0	93	44.2	0	NSR	0	NSR
Westmoreland	124	130	254	7	NSR	15	5.1	28	7.3	94	24.1	110	32.7

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: UNINTENTIONAL FALLS

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	42	5.3	3.7-6.9	Allegheny	746	9.2	8.5-9.8	Berks	6	5.0	0.1-9.8
Chester	3	2.1	-0.3-4.6	Chester	139	6.2	5.2-7.3	Lancaster	1	1.4	-1.4-4.2
Dauphin	9	4.9	1.6-8.2	Dauphin	88	6.7	5.3-8.1	Lehigh	11	13.6	4.5-22.6
Delaware	19	5.4	2.9-7.8	Delaware	281	9.2	8.1-10.3	Philadelphia	24	5.5	3.1-7.9
Montgomery	12	4.0	1.7-6.3	Montgomery	455	9.9	9-10.8				
Philadelphia	135	4.3	3.6-5	Philadelphia	310	6.6	5.8-7.3				
Pennsylvania	259	4.5	4-5.1	Pennsylvania	5,736	7.8	7.6-8	Pennsylvania	64	4.5	3.3-5.7

NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
County and Race	Cty. Pop.															
Allegheny	White	82.7%	359	387	746	94.1%	2	NSR	10	1.1	24	2.3	58	5.5	652	70.6
	Black	13.4%	20	22	42	5.3%	0	NSR	1	NSR	5	NSR	15	11.7	21	23.3
Chester	White	88.7%	74	65	139	97.2%	0	NSR	2	NSR	6	NSR	19	4.4	112	39.6
	Black	6.2%	3	0	3	2.1%	0	NSR	1	NSR	1	NSR	0	NSR	1	NSR
Dauphin	White	76.3%	41	47	88	88.9%	1	NSR	0	NSR	4	NSR	13	6.0	70	45.3
	Black	17.9%	3	6	9	9.1%	0	NSR	1	NSR	1	NSR	2	NSR	5	NSR
Delaware	White	75.0%	136	145	281	91.8%	3	NSR	0	NSR	10	2.3	22	5.2	246	71.3
	Black	18.9%	11	8	19	6.2%	0	NSR	0	NSR	1	NSR	3	NSR	15	37.9
Montgomery	White	83.7%	205	250	455	95.8%	2	NSR	2	NSR	10	1.4	18	2.8	423	79.7
	Black	8.7%	8	4	12	2.5%	1	NSR	0	NSR	2	NSR	4	NSR	5	NSR
Philadelphia	White	45.6%	158	152	310	64.6%	0	NSR	4	NSR	21	3.2	51	8.6	234	43.4
	Black	45.3%	85	50	135	28.1%	0	NSR	6	NSR	15	2.3	36	6.8	78	21.8
Pennsylvania	White	84.9%	2,820	2,916	5,736	94.0%	28	0.2	68	0.7	226	2.0	519	4.9	4,895	55.7
	Black	10.7%	154	105	259	4.2%	4	NSR	11	0.7	29	2.1	70	7.0	145	22.6

INJURY DEATHS: ALL POISONING

In 2010, among Pennsylvania residents, there were 2,042 deaths due to poisoning. On average, one resident died every four hours.

Injury Definition

Poisoning includes:

- accidental and intentional drug overdose;
- misuse or abuse of prescription drugs;
- exposure to gases like carbon monoxide;
- ingestion of toxic foodstuffs (including alcohol poisoning) or other substances.

Drug poisonings account for over 90 percent of all poisoning deaths in Pa.

HIGHLIGHTS

- *Age-adjusted rates have generally been **increasing** over time.*
- *The most common demographic is **white males** ages 20 to 54.*
- *Of Pennsylvania counties, **Philadelphia and Cambria** show the highest rates.*

Trends Over Time

- Age-adjusted death rates for poisoning increased by 16 percent from 2006 to 2010, from 14.1 to 16.3 deaths per 100,000 population.
- Males showed significantly higher age-adjusted poisoning death rates than females over 2006 to 2010 (rates were 21.3 and 11.3, respectively, in 2010).
- Urban males showed significantly higher age-adjusted poisoning death rates than rural males over 2006 to 2010 (rates were 22.1 and 19.3, respectively, in 2010).

Demographic Trends

- White males ages 20 to 54 comprised almost half of all poisoning deaths in 2006 to 2010.
- Among ages 20 to 29, white males and females showed significantly higher poisoning death rates than black males and females.
- Among ages 40 to 74, black males showed significantly higher poisoning death rates than white males.

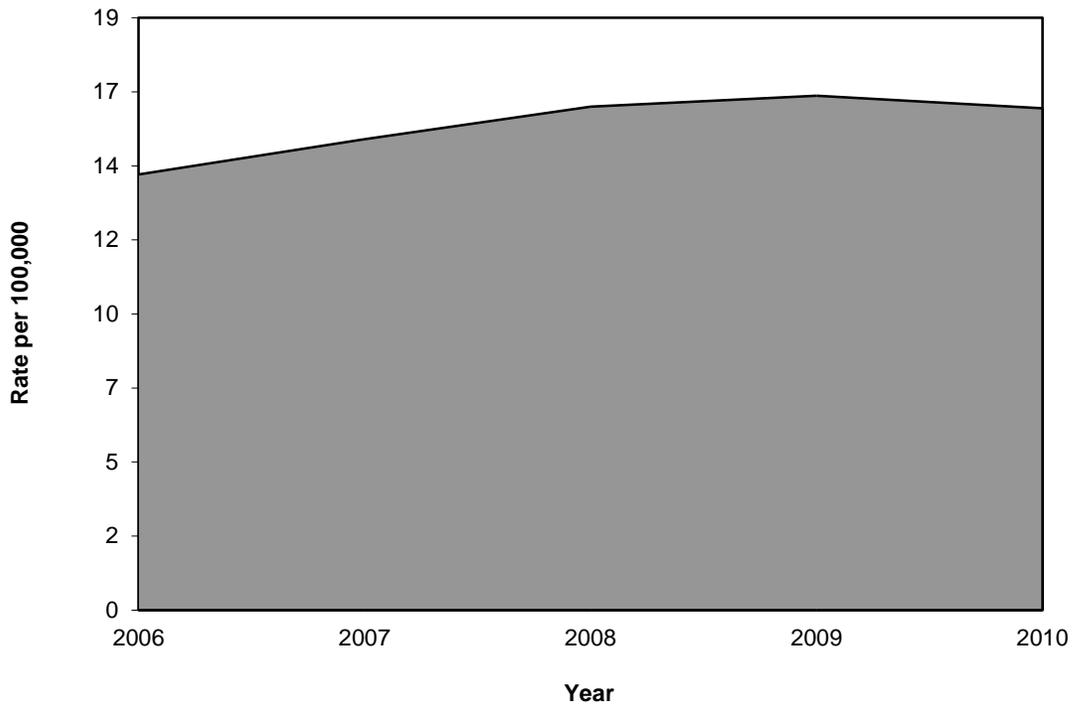
Regional Trends

- The Southeast Health District showed the highest age-adjusted poisoning death rate, while the North Central and South Central Health Districts showed the lowest rates.
- Eight counties showed age-adjusted poisoning death rates for 2006 to 2010 that were significantly higher than the comparable state rate: Allegheny, Cambria, Delaware, Lackawanna, Luzerne, Schuylkill, Philadelphia, and Westmoreland. Most counties were urban.

INJURY DEATHS: ALL POISONING

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	1,708	14.1
2007	1,884	15.3
2008	1,997	16.3
2009	2,069	16.7
2010	2,042	16.3



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	6.7	12.6	12.0	8.5	18.3	13.2
2007	8.0	15.5	14.6	10.9	17.0	16.6
2008	8.2	17.5	13.5	11.8	18.3	18.0
2009	10.9	17.1	14.5	12.0	18.5	18.2
2010	9.9	14.3	13.3	11.6	18.0	19.9

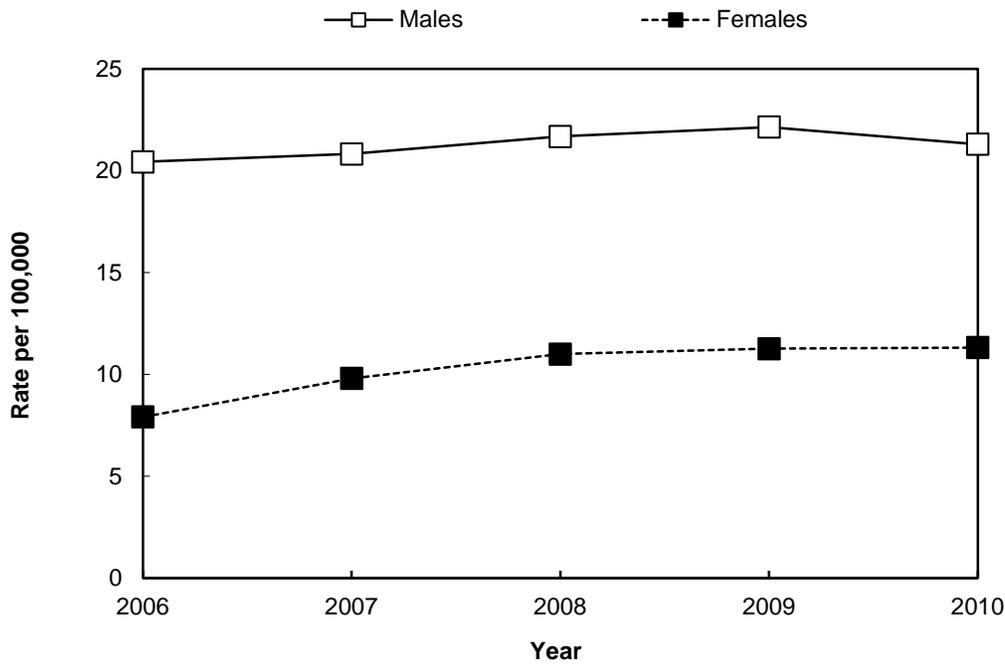
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.
See Technical Notes.

INJURY DEATHS: ALL POISONING

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	1,218	20.4 *	2006	490	7.9
2007	1,260	20.8 *	2007	624	9.8
2008	1,308	21.7 *	2008	689	11.0
2009	1,351	22.1 *	2009	718	11.3
2010	1,312	21.3 *	2010	730	11.3

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	22.7	14.7 *	2006	8.1	7.3
2007	22.3	17.2 *	2007	10.3	8.5 *
2008	23.4	17.3 *	2008	11.7	9.1 *
2009	23.3	19.2 *	2009	11.4	11.1
2010	22.1	19.3 *	2010	11.3	11.4

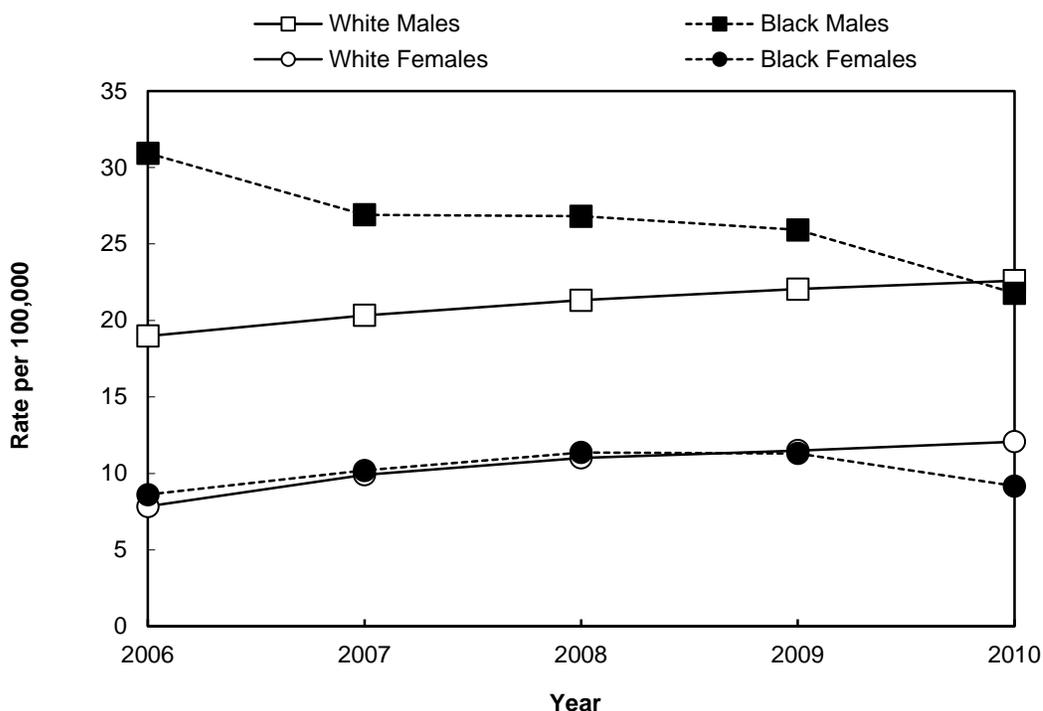
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY DEATHS: ALL POISONING

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	970	172	417	56	71	14
2007	1,051	152	542	67	54	10
2008	1,097	152	592	76	51	16
2009	1,146	148	627	75	46	13
2010	1,128	140	635	66	33	27



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	19.0	30.9 *	7.8	8.6	28.1	NSR
2007	20.3	26.9 *	9.9	10.2	21.0	NSR
2008	21.3	26.8 *	11.0	11.4	20.6	NSR
2009	22.1	25.9	11.5	11.3	16.9	NSR
2010	22.6	21.8	12.1	9.2 *	9.5	8.6

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY DEATH: ALL POISONING

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate								
TOTAL	9,700	15.5	6,449	21.2	3,251	10.1	7,461	16.4	2,239	13.0
< 5	19	0.5	9	NSR	10	NSR	14	0.5	5	NSR
5-9	3	NSR	1	NSR	2	NSR	2	NSR	1	NSR
10-14	10	NSR	9	NSR	1	NSR	7	NSR	3	NSR
15-19	242	5.2	175	7.5	67	2.9	174	5.2	68	5.3
20-24	818	18.5	625	27.9	193	8.9	614	19.3	204	16.5
25-29	1,064	28.5	811	42.6	253	13.8	798	28.5	266	28.5
30-34	939	25.2	681	36.4	258	14.0	701	25.5	238	24.4
35-39	1,021	25.5	662	33.2	359	17.8	758	25.8	263	24.6
40-44	1,334	30.3	870	40.0	464	20.9	1,042	32.4	292	24.6
45-49	1,525	32.8	938	41.0	587	24.9	1,199	35.5	326	25.7
50-54	1,273	28.1	817	36.7	456	19.7	1,012	30.9	261	20.7
55-59	717	17.6	448	22.7	269	12.9	595	20.5	122	10.5
60-64	289	8.5	173	10.6	116	6.5	232	9.6	57	5.7
65-69	109	4.1	59	4.8	50	3.5	68	3.7	41	5.0
70-74	77	3.5	44	4.5	33	2.7	58	3.8	19	2.8
75-79	99	5.3	48	6.3	51	4.6	68	5.2	31	5.6
80-84	66	4.6	36	6.6	30	3.3	50	4.9	16	3.8
85 +	95	6.8	43	10.2	52	5.4	69	6.9	26	6.6

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: ALL POISONING

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	5,392	20.8	764	23.9	2,813	10.3	340	9.6	335	11.0		
< 5	5	NSR	2	NSR	7	NSR	2	NSR	3	NSR		
5-9	0	NSR	1	NSR	1	NSR	1	NSR	0	NSR		
10-14	8	NSR	1	NSR	1	NSR	0	NSR	0	NSR		
15-19	165	8.7	7	NSR	56	3.0	5	NSR	7	NSR		
20-24	575	31.6	19	6.4	*	176	10.0	11	3.7	*	25	9.1
25-29	735	47.5	37	14.9	*	226	15.3	19	7.6	*	42	16.6
30-34	581	37.6	61	27.9	*	219	14.5	29	12.6		43	18.2
35-39	554	33.0	64	30.2		304	18.1	41	17.7		48	21.2
40-44	702	37.5	115	53.3	*	395	21.0	53	21.9		63	31.1
45-49	789	39.4	117	55.7	*	500	24.6	71	29.3	*	44	25.0
50-54	633	32.1	154	82.9	*	394	19.5	52	23.3	*	35	26.6
55-59	327	18.5	106	71.2	*	234	12.7	28	15.0		17	16.8
60-64	121	8.2	51	45.6	*	98	6.2	15	10.1	*	4	NSR
65-69	47	4.2	11	14.1	*	47	3.6	3	NSR		1	NSR
70-74	32	3.6	10	16.4	*	32	2.8	1	NSR		2	NSR
75-79	40	5.6	7	NSR		45	4.5	5	NSR		1	NSR
80-84	35	6.9	1	NSR		28	3.4	2	NSR		0	NSR
85 +	43	11.0	0	NSR		50	5.6	2	NSR		0	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY DEATHS: ALL POISONING

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
TOTAL	608	13.1	283	8.3	1,171	14.9	2,284	16.9	888	10.8	4,466	17.9						
< 5	1	NSR	0	NSR	-	1	NSR	3	NSR	3	NSR	11	0.7					
5-9	0	NSR	0	NSR	-	0	NSR	0	NSR	1	NSR	2	NSR					
10-14	0	NSR	-	0	NSR	-	2	NSR	3	NSR	1	NSR	4	NSR				
15-19	17	4.9	6	NSR	-	28	4.8	59	6.2	+	28	4.9	104	5.6				
20-24	47	14.8	-	26	7.2	-	89	16.6	-	198	22.1	+	83	15.8	-	375	21.0	
25-29	67	25.7	-	30	16.6	-	155	34.8	+	248	32.6	-	97	19.9	-	467	29.2	
30-34	71	26.7	-	30	15.9	-	122	27.1	-	199	25.9	-	89	18.0	-	428	27.5	
35-39	65	22.8	-	28	13.8	-	129	25.9	-	240	28.7	-	94	17.5	-	465	28.2	
40-44	66	21.0	-	46	20.8	-	158	28.5	-	296	31.6	-	104	17.7	-	664	37.3	+
45-49	97	28.6	-	37	15.7	-	190	32.4	-	371	36.3	-	132	21.4	-	698	37.9	+
50-54	88	26.0	-	33	14.1	-	141	24.4	-	319	30.8	-	111	18.6	-	581	33.1	+
55-59	34	11.0	-	20	9.4	-	73	13.9	-	174	18.5	-	59	10.8	-	357	23.3	+
60-64	18	6.8	-	7	NSR	-	27	5.9	-	65	8.3	-	27	5.9	-	145	11.5	+
65-69	10	4.7	-	7	NSR	-	11	3.1	-	17	2.8	-	19	5.2	-	45	4.7	+
70-74	5	NSR	-	2	NSR	-	11	3.8	-	18	3.4	-	13	4.4	-	28	3.5	+
75-79	8	NSR	-	6	NSR	-	11	4.6	-	26	5.7	-	8	NSR	-	40	6.0	+
80-84	5	NSR	-	2	NSR	-	9	NSR	-	22	5.9	-	9	NSR	-	19	3.7	+
85 +	9	NSR	-	3	NSR	-	14	8.0	-	26	7.2	-	10	6.1	-	33	6.5	+

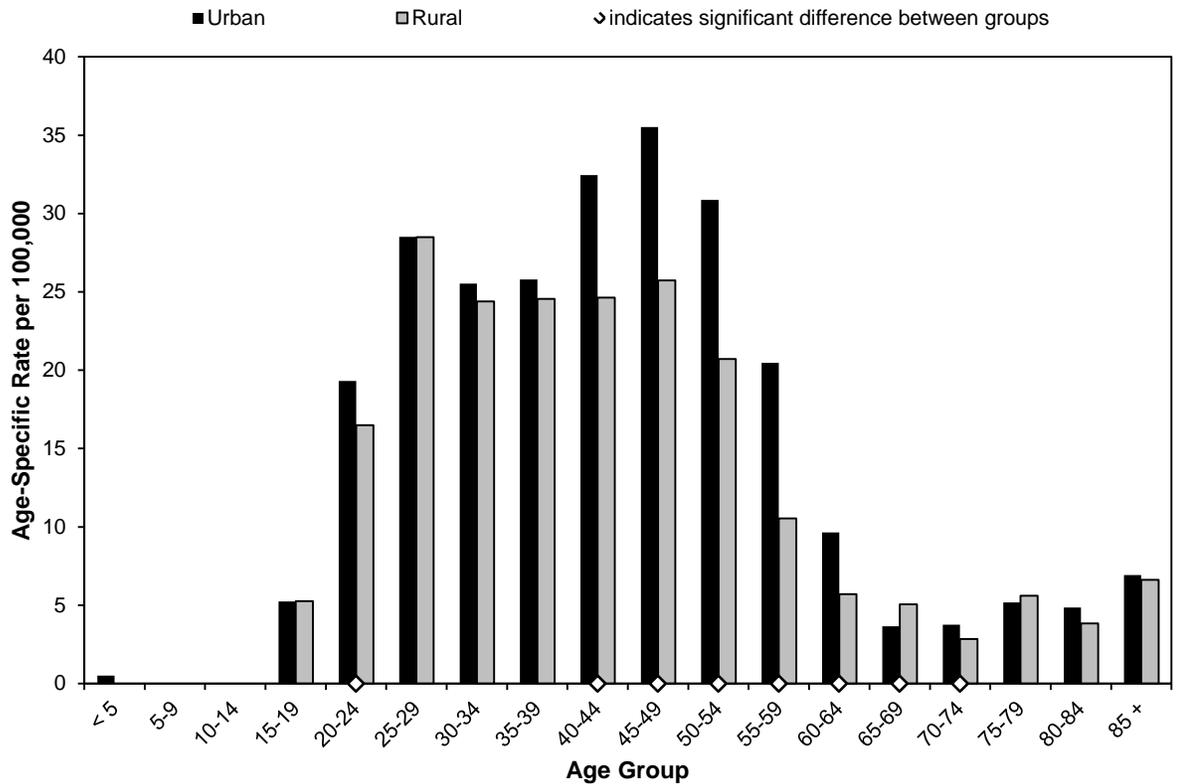
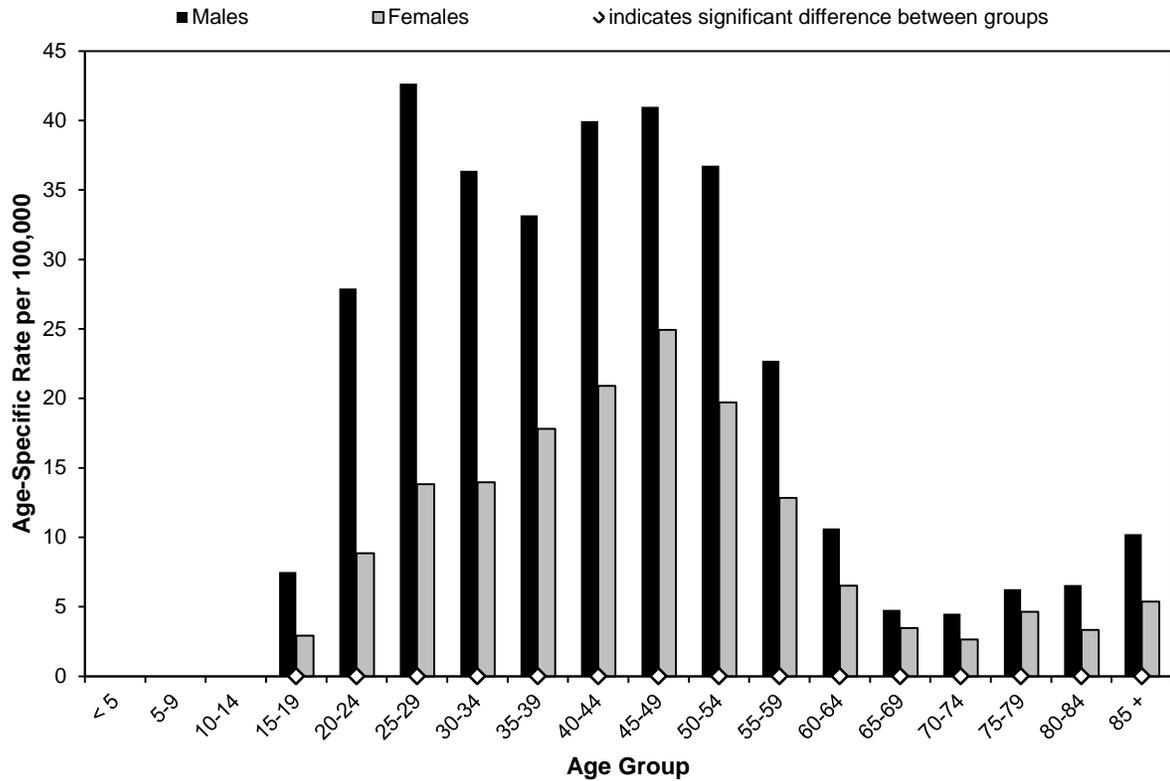
+/- denotes that the district's rate is significantly higher or lower than the state at the $p = .05$ level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

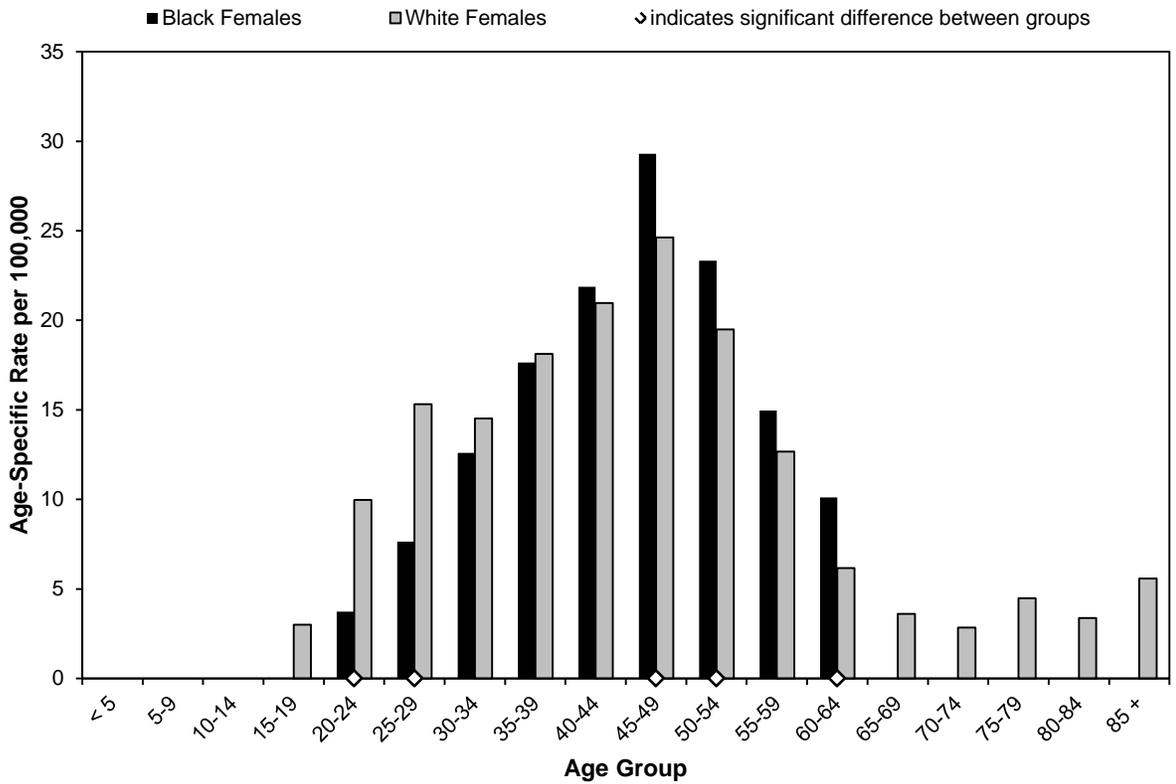
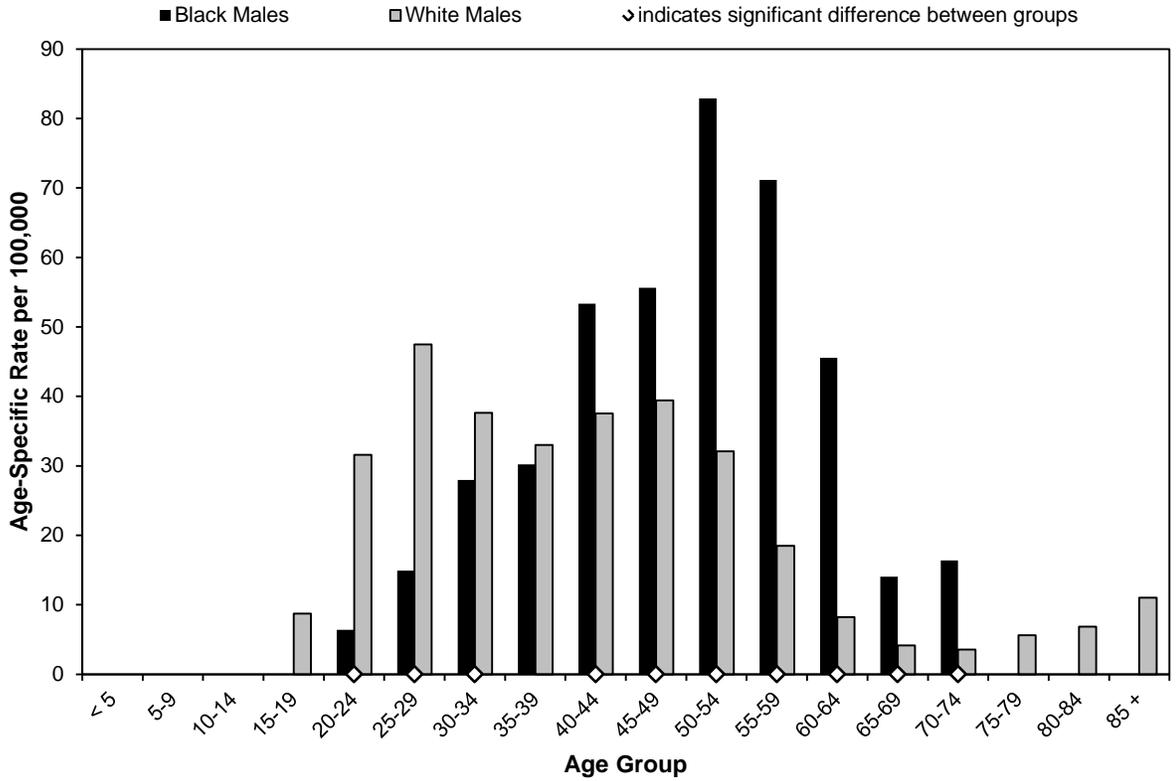
INJURY DEATH: ALL POISONING

AGE-SPECIFIC DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: ALL POISONING

AGE-SPECIFIC DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: ALL POISONING

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	1,171	15.4	14.5-16.3	Southeast	4,466	18.0	17.5-18.6 +
Carbon	56	18.1	13.3-23	Berks	257	13.0	11.4-14.7 -
Lackawanna	197	19.7	16.9-22.5 +	Bucks	484	16.2	14.7-17.6
Lehigh	225	13.4	11.6-15.2 -	Chester	269	10.9	9.6-12.3 -
Luzerne	273	18.4	16.2-20.6 +	Delaware	611	22.1	20.3-23.9 +
Monroe	132	16.5	13.6-19.4	Lancaster	238	9.7	8.5-11 -
Northampton	173	11.8	10-13.6 -	Montgomery	575	14.8	13.6-16.1
Pike	35	12.2	8-16.4	Philadelphia	1,890	26.6	25.4-27.8 +
Susquehanna	29	16.6	10.5-22.8	Schuylkill	142	19.5	16.2-22.7 +
Wayne	34	12.3	8-16.6				
Wyoming	17	NSR					
North Central	283	8.7	7.7-9.8 -	South Central	888	10.9	10.2-11.7 -
Bradford	29	9.9	6.2-13.5 -	Adams	58	12.1	9-15.3 -
Centre	48	7.4	5.2-9.7 -	Bedford	32	13.6	8.8-18.4
Clinton	17	NSR		Blair	97	16.3	13-19.6
Columbia	34	12.1	7.9-16.3	Cumberland	109	9.3	7.5-11.1 -
Lycoming	50	8.5	6.1-11 -	Dauphin	129	10.0	8.2-11.7 -
Montour	9	NSR		Franklin	68	9.8	7.4-12.2 -
Northumberland	47	10.7	7.6-13.8 -	Fulton	13	NSR	
Potter	11	NSR		Huntingdon	16	NSR	
Snyder	10	NSR		Juniata	13	NSR	
Sullivan	3	NSR		Lebanon	63	10.1	7.5-12.6 -
Tioga	14	NSR		Mifflin	23	10.0	5.8-14.2 -
Union	11	NSR		Perry	19	NSR	
				York	248	11.5	10.1-13 -
Northwest	608	13.6	12.5-14.7 -	Southwest	2,284	17.2	16.5-17.9 +
Cameron	3	NSR		Allegheny	1,120	18.2	17.1-19.3 +
Clarion	16	NSR		Armstrong	52	16.8	12.1-21.4
Clearfield	54	13.1	9.5-16.6	Beaver	117	13.9	11.3-16.5
Crawford	61	14.4	10.7-18.1	Butler	104	11.9	9.6-14.2 -
Elk	23	16.0	9.3-22.7	Cambria	188	27.4	23.4-31.4 +
Erie	165	12.1	10.2-13.9 -	Fayette	115	17.3	14.1-20.5
Forest	2	NSR		Greene	43	20.3	14.1-26.4
Jefferson	18	NSR		Indiana	53	14.4	10.4-18.4
Lawrence	70	15.9	12.1-19.7	Somerset	45	12.3	8.7-15.9
McKean	24	11.2	6.7-15.7	Washington	129	13.4	11-15.7
Mercer	104	18.6	14.9-22.3	Westmoreland	318	18.3	16.2-20.3 +
Venango	38	16.4	11.1-21.7				
Warren	30	15.4	9.7-21	Pennsylvania	9,700	15.7	15.4-16.1

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY DEATHS: ALL POISONING

TOTAL NUMBER OF DEATHS AND AGE-SPECIFIC DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	6,449	3,251	9,700	2,091	13.0	3,236	27.3	3,168	24.3	986	8.2	219	2.3
Northeast	768	403	1,171	366	18.5	449	31.4	295	18.0	46	3.0	15	1.2
Carbon	41	15	56	18	25.6	21	35.4	16	23.9	1	NSR	0	NSR
Lackawanna	122	75	197	53	21.0	65	32.9	68	32.6	8	NSR	3	NSR
Lehigh	158	67	225	67	15.0	89	27.7	57	16.1	9	NSR	3	NSR
Luzerne	188	85	273	105	29.1	113	39.3	49	15.0	6	NSR	0	NSR
Monroe	84	48	132	29	12.4	50	34.1	45	24.1	5	NSR	3	NSR
Northampton	105	68	173	52	13.2	67	24.4	38	12.4	10	3.5	6	NSR
Pike	19	16	35	6	NSR	13	28.7	12	18.2	4	NSR	0	NSR
Susquehanna	19	10	29	16	32.0	11	32.5	2	NSR	0	NSR	0	NSR
Wayne	21	13	34	8	NSR	15	36.1	8	NSR	3	NSR	0	NSR
Wyoming	11	6	17	12	31.7	5	NSR	0	NSR	0	NSR	0	NSR
Southeast	3,045	1,421	4,466	596	8.8	1,385	28.1	1,699	32.2	665	14.6	121	3.5
Berks	161	96	257	62	11.0	119	32.0	61	14.2	8	NSR	7	NSR
Bucks	334	150	484	142	17.7	178	34.4	145	20.1	15	2.4	4	NSR
Chester	179	90	269	61	8.8	93	21.0	96	17.3	12	2.6	7	NSR
Delaware	417	194	611	155	20.6	191	35.8	229	39.5	23	4.4	13	3.3
Lancaster	140	98	238	30	4.2	69	14.4	94	18.6	31	6.9	14	3.8
Montgomery	378	197	575	83	8.3	184	26.3	224	25.6	64	8.5	20	3.4
Philadelphia	1,338	552	1,890	20	1.0	487	27.7	825	57.2	503	41.6	55	5.9
Schuylkill	98	44	142	43	26.6	64	48.1	25	15.2	9	NSR	1	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	6,449	3,251	9,700	2,091	13.0	3,236	27.3	3,168	24.3	986	8.2	219	2.3
North Central	167	116	283	120	13.9	113	15.5	41	6.2	9	NSR	0	NSR
Bradford	16	13	29	14	17.8	9	NSR	5	NSR	1	NSR	0	NSR
Centre	31	17	48	14	7.3	17	7.5	14	11.3	3	NSR	0	NSR
Clinton	9	8	17	10	19.9	6	NSR	1	NSR	0	NSR	0	NSR
Columbia	20	14	34	17	20.0	12	17.3	4	NSR	1	NSR	0	NSR
Lycoming	30	20	50	15	10.5	27	24.2	5	NSR	3	NSR	0	NSR
Montour	4	5	9	5	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Northumberland	26	21	47	15	14.1	20	26.2	11	11.4	1	NSR	0	NSR
Potter	7	4	11	7	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Snyder	5	5	10	7	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Sullivan	2	1	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	8	6	14	7	NSR	7	NSR	0	NSR	0	NSR	0	NSR
Union	9	2	11	6	NSR	5	NSR	0	NSR	0	NSR	0	NSR
South Central	557	331	888	291	13.8	320	21.2	218	12.5	45	2.8	14	1.1
Adams	38	20	58	18	13.4	27	29.1	10	9.3	3	NSR	0	NSR
Bedford	20	12	32	16	26.4	10	24.5	6	NSR	0	NSR	0	NSR
Blair	68	29	97	42	27.0	31	27.5	21	16.7	3	NSR	0	NSR
Cumberland	72	37	109	39	13.4	37	16.0	28	11.9	5	NSR	0	NSR
Dauphin	80	49	129	32	9.6	43	18.3	43	15.2	8	NSR	3	NSR
Franklin	42	26	68	12	6.3	19	14.6	24	16.7	8	NSR	5	NSR
Fulton	7	6	13	7	NSR	5	NSR	1	NSR	0	NSR	0	NSR
Huntingdon	8	8	16	10	19.0	4	NSR	2	NSR	0	NSR	0	NSR
Juniata	7	6	13	9	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Lebanon	41	22	63	14	8.6	23	18.8	19	14.7	5	NSR	2	NSR
Mifflin	15	8	23	7	NSR	11	28.7	3	NSR	2	NSR	0	NSR
Perry	6	13	19	7	NSR	10	25.0	2	NSR	0	NSR	0	NSR
York	153	95	248	78	14.1	96	24.9	59	12.3	11	2.7	4	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	6,449	3,251	9,700	2,091	13.0	3,236	27.3	3,168	24.3	986	8.2	219	2.3
Northwest	399	209	608	217	18.5	229	27.2	132	14.1	24	2.6	6	NSR
Cameron	2	1	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	13	3	16	10	19.2	6	NSR	0	NSR	0	NSR	0	NSR
Clearfield	38	16	54	22	24.4	18	24.2	10	11.0	4	NSR	0	NSR
Crawford	43	18	61	21	17.9	23	29.5	13	14.9	4	NSR	0	NSR
Elk	18	5	23	13	33.9	8	NSR	2	NSR	0	NSR	0	NSR
Erie	97	68	165	43	11.5	67	23.6	43	15.4	6	NSR	6	NSR
Forest	1	1	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	13	5	18	12	21.8	5	NSR	1	NSR	0	NSR	0	NSR
Lawrence	46	24	70	19	16.8	28	37.2	20	22.1	3	NSR	0	NSR
McKean	17	7	24	10	18.5	11	28.0	3	NSR	0	NSR	0	NSR
Mercer	65	39	104	36	24.0	33	33.1	30	26.0	5	NSR	0	NSR
Venango	26	12	38	18	26.6	14	31.5	6	NSR	0	NSR	0	NSR
Warren	20	10	30	8	NSR	16	49.5	4	NSR	2	NSR	0	NSR
Southwest	1,513	771	2,284	501	15.5	740	30.5	783	28.0	197	7.1	63	2.7
Allegheny	781	339	1,120	119	8.1	296	25.9	505	40.4	153	12.6	47	4.6
Armstrong	29	23	52	16	19.1	19	35.7	12	16.7	4	NSR	1	NSR
Beaver	69	48	117	41	20.4	38	26.6	31	17.3	5	NSR	2	NSR
Butler	63	41	104	43	17.8	35	22.0	19	9.5	3	NSR	4	NSR
Cambria	125	63	188	44	26.5	65	51.2	68	46.6	10	6.7	1	NSR
Fayette	82	33	115	54	32.4	46	38.4	10	6.7	5	NSR	0	NSR
Greene	26	17	43	16	35.5	13	33.5	13	30.7	1	NSR	0	NSR
Indiana	41	12	53	19	16.6	22	23.7	9	NSR	3	NSR	0	NSR
Somerset	32	13	45	20	23.6	16	23.1	7	NSR	2	NSR	0	NSR
Washington	78	51	129	37	14.9	43	23.6	43	20.4	6	NSR	0	NSR
Westmoreland	187	131	318	92	22.2	147	49.7	66	17.3	5	NSR	8	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: ALL POISONING

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	161	21.0	17.7-24.3	Allegheny	945	18.6	17.4-19.8	Berks	32	12.9	8.3-17.4
Chester	18	13.5	7.2-19.8	Chester	246	11.3	9.9-12.8	Lancaster	9	5.3	1.8-8.8
Dauphin	16	7.2	3.6-10.7	Dauphin	99	9.9	7.9-11.9	Lehigh	27	12.0	7.1-16.9
Delaware	60	11.8	8.8-14.8	Delaware	535	26.4	24.1-28.7	Philadelphia	168	22.5	19-26.1
Montgomery	43	12.4	8.7-16.2	Montgomery	521	16.3	14.9-17.7				
Philadelphia	663	21.2	19.6-22.8	Philadelphia	1,045	31.3	29.4-33.3				
Pennsylvania	1,104	17.6	16.5-18.6	Pennsylvania	8,205	15.7	15.4-16.1	Pennsylvania	335	12.3	11-13.7

NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
Allegheny	White	82.7%	664	281	945	84.4%	24	2.2	253	28.0	369	35.1	254	23.9	45	4.9
	Black	13.4%	106	55	161	14.4%	2	NSR	23	13.4	57	37.3	72	56.1	7	NSR
Chester	White	88.7%	168	78	246	91.4%	14	2.3	72	18.9	92	18.6	59	13.8	9	NSR
	Black	6.2%	9	9	18	6.7%	0	NSR	4	NSR	5	NSR	7	NSR	2	NSR
Dauphin	White	76.3%	65	34	99	76.7%	4	NSR	35	20.3	31	14.1	23	10.6	6	NSR
	Black	17.9%	4	12	16	12.4%	2	NSR	1	NSR	8	NSR	5	NSR	0	NSR
Delaware	White	75.0%	362	173	535	87.6%	14	2.7	172	46.8	198	45.9	134	31.5	17	4.9
	Black	18.9%	41	19	60	9.8%	4	NSR	12	9.3	21	19.1	23	32.3	0	NSR
Montgomery	White	83.7%	341	180	521	90.6%	17	2.1	172	30.9	200	27.6	109	16.7	23	4.3
	Black	8.7%	30	13	43	7.5%	3	NSR	8	NSR	19	23.8	9	NSR	4	NSR
Philadelphia	White	45.6%	728	317	1,045	55.3%	13	1.7	340	41.4	454	69.0	213	36.0	25	4.6
	Black	45.3%	468	195	663	35.1%	5	NSR	84	11.4	289	43.9	259	48.8	26	7.3
Pennsylvania	White	84.9%	5,392	2,813	8,205	84.6%	243	1.9	2,512	26.0	3,244	29.1	1,807	16.9	399	4.5
	Black	10.7%	764	340	1,104	11.4%	19	0.9	176	11.4	461	34.0	406	40.4	42	6.5

INJURY DEATHS: MOTOR VEHICLE TRAFFIC ACCIDENTS

In 2010, among Pennsylvania residents, there were 1,328 deaths due to motor vehicle traffic (MVT) accidents. On average, one resident died every seven hours.

Injury Definition

Motor vehicle traffic accidents include any accident involving a motor vehicle that originates, terminates or occurs on a public highway.

A “public highway” is defined as the entire width between property lines of land open to the public for purposes of moving persons or property.

If unspecified, an accident involving motor vehicles is assumed to be a traffic accident.

HIGHLIGHTS

- *Age-adjusted rates have generally been **decreasing** over 2005 to 2009.*
- *The most common demographic is **white males**, ages 15 to 29.*
- *Of all Pennsylvania counties, **Juniata and Perry** show the highest rates.*

Trends Over Time

- Age-adjusted death rates for MVT injury have decreased 14 percent from 2006 to 2010.
- Age-adjusted MVT death rates decreased 12 percent from 2006 to 2009, from 11.9 to 9.6 deaths per 100,000 population – the lowest rate in over ten years. Rates then rose 6 percent to 10.2 deaths per 100,000 population.
- Males showed significantly higher age-adjusted MVT death rates than females over 2006 to 2010 (rates were 14.5 and 6.0, respectively, in 2010).
- Rural males and females showed significantly higher age-adjusted MVT death rates than urban males and females over 2006 to 2010.

Demographic Trends

- Males showed significantly higher MVT death rates than females for ages 5 and older.
- Among males, whites showed significantly higher MVT death rates for ages 15 to 29.
- Rural populations showed significantly higher MVT death rates than urban populations for all age groups.

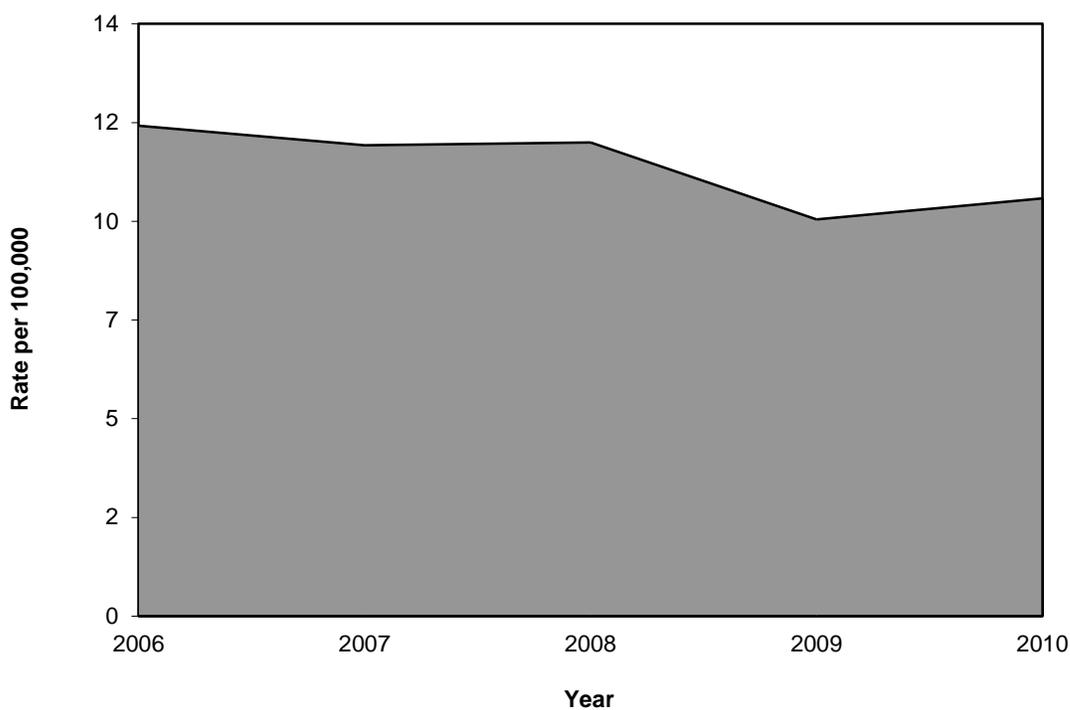
Regional Trends

- The North Central and Northwest Health Districts showed the highest age-specific MVT death rates, while the Southeast Health District showed the lowest rate.
- Thirty-five counties showed age-adjusted MVT death rates that were significantly higher than the comparable state rate for 2006 to 2010. Most counties were rural.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	1,514	11.9
2007	1,478	11.4
2008	1,484	11.5
2009	1,261	9.6
2010	1,328	10.2



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	17.2	15.5	14.2	16.1	9.3	10.4
2007	13.6	13.3	16.3	14.6	9.2	10.7
2008	16.0	13.4	15.9	15.0	8.5	11.4
2009	12.1	10.8	12.9	12.8	7.3	9.8
2010	13.2	11.0	14.2	14.3	7.2	10.6

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

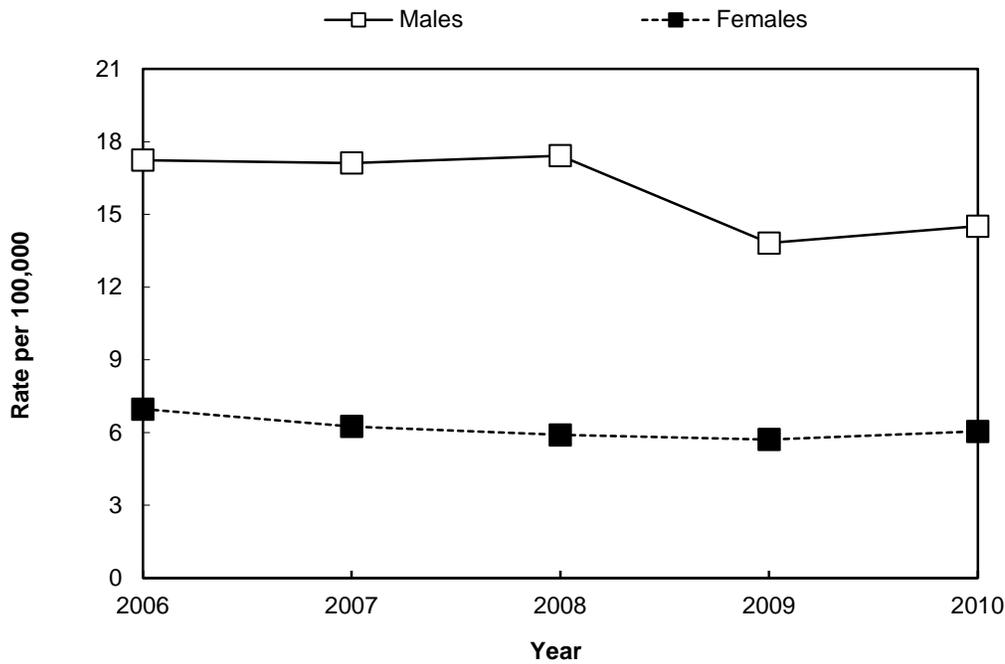
See Technical Notes.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	1,037	17.2 *	2006	477	7.0
2007	1,053	17.1 *	2007	425	6.2
2008	1,077	17.4 *	2008	407	5.9
2009	865	13.8 *	2009	396	5.7
2010	913	14.5 *	2010	415	6.0

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	14.6	24.0 *	2006	5.5	10.8 *
2007	14.4	24.0 *	2007	5.1	9.4 *
2008	14.5	24.8 *	2008	4.7	9.2 *
2009	11.4	20.0 *	2009	4.4	9.3 *
2010	11.6	22.1 *	2010	4.4	10.7 *

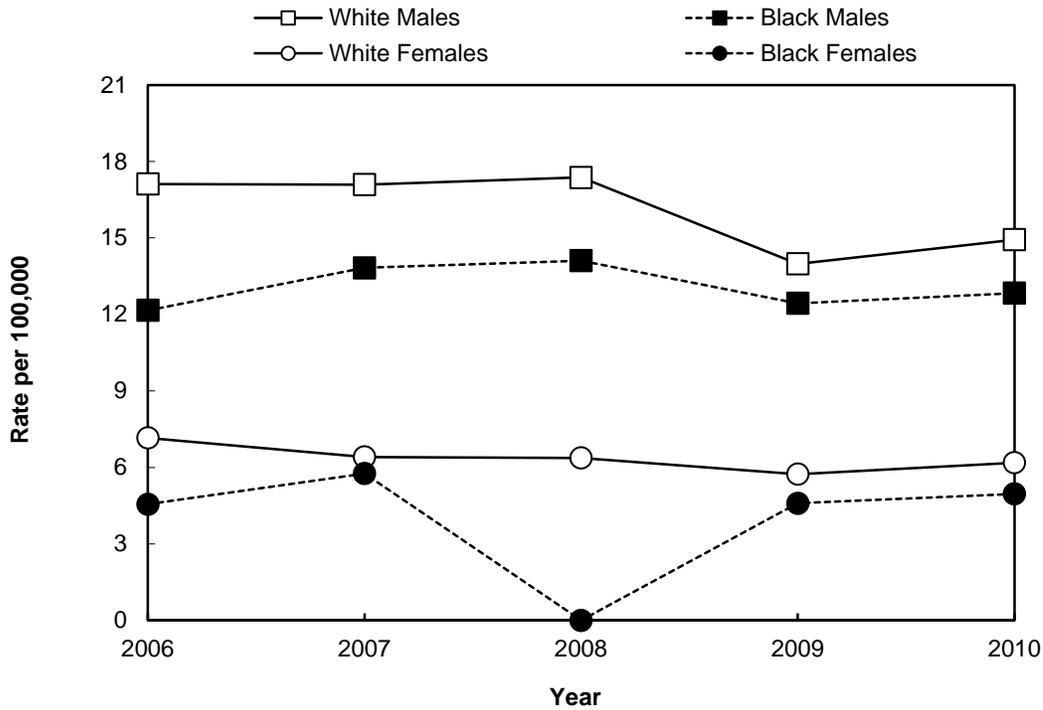
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	890	76	423	31	52	13
2007	911	92	374	41	36	7
2008	928	87	377	16	52	6
2009	756	80	348	32	17	10
2010	780	84	349	36	33	16



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	17.1	12.2 *	7.2	4.6 *	19.1	NSR
2007	17.1	13.8 *	6.4	5.8	13.4	NSR
2008	17.4	14.1	6.4	NSR	16.8	NSR
2009	14.0	12.4	5.7	4.6	NSR	NSR
2010	14.9	12.8	6.2	5.0	8.8	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY DEATH: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
TOTAL	7,065	11.3	4,945	16.2	2,120	6.6	4,172	9.2	2,893	16.8	
< 5	58	1.6	33	1.8	25	1.4	38	1.4	20	2.2	*
5-9	52	1.4	36	1.9	16	0.9	31	1.1	21	2.1	*
10-14	85	2.1	55	2.7	30	1.5	44	1.5	41	3.9	*
15-19	739	16.0	477	20.5	262	11.5	419	12.6	320	24.7	*
20-24	979	22.2	756	33.8	223	10.2	607	19.1	372	30.1	*
25-29	651	17.4	499	26.2	152	8.3	376	13.4	275	29.5	*
30-34	403	10.8	311	16.6	92	5.0	237	8.6	166	17.0	*
35-39	495	12.3	370	18.5	125	6.2	293	10.0	202	18.9	*
40-44	479	10.9	337	15.5	142	6.4	260	8.1	219	18.5	*
45-49	555	12.0	411	18.0	144	6.1	336	10.0	219	17.3	*
50-54	466	10.3	351	15.8	115	5.0	267	8.1	199	15.8	*
55-59	396	9.7	285	14.5	111	5.3	251	8.6	145	12.5	*
60-64	297	8.7	222	13.7	75	4.2	156	6.5	141	14.1	*
65-69	235	8.8	156	12.7	79	5.5	133	7.1	102	12.6	*
70-74	254	11.5	147	15.1	107	8.6	149	9.6	105	15.7	*
75-79	311	16.7	172	22.4	139	12.6	181	13.8	130	23.5	*
80-84	306	21.2	171	31.2	135	15.0	197	19.1	109	26.1	*
85 +	304	21.9	156	37.1	148	15.3	197	19.8	107	27.2	*

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	4,265	16.5	419	13.1	1,871	6.9	156	4.4	242	8.0		
< 5	16	1.1	8	NSR	19	1.3	5	NSR	8	NSR		
5-9	25	1.6	9	NSR	14	0.9	1	NSR	3	NSR		
10-14	41	2.5	8	NSR	22	1.4	6	NSR	6	NSR		
15-19	409	21.6	42	13.3	*	236	12.7	11	3.6	*	31	10.4
20-24	629	34.5	76	25.5	*	197	11.2	17	5.8	*	42	15.4
25-29	417	26.9	48	19.4	*	124	8.4	16	6.4	*	36	14.2
30-34	246	15.9	46	21.1	*	74	4.9	11	4.8		20	8.4
35-39	298	17.7	40	18.9		104	6.2	10	4.3	*	33	14.6
40-44	296	15.8	25	11.6	*	130	6.9	10	4.1	*	14	6.9
45-49	352	17.6	42	20.0		127	6.3	13	5.4		16	9.1
50-54	324	16.4	15	8.1	*	102	5.0	11	4.9		8	NSR
55-59	257	14.5	17	11.4	*	93	5.0	15	8.0	*	7	NSR
60-64	199	13.5	16	14.3		67	4.2	4	NSR		5	NSR
65-69	143	12.7	7	NSR		70	5.4	4	NSR		4	NSR
70-74	134	15.0	9	NSR		99	8.8	4	NSR		2	NSR
75-79	165	23.2	4	NSR		124	12.3	10	12.9		3	NSR
80-84	160	31.4	6	NSR		128	15.5	6	NSR		2	NSR
85 +	154	39.5	1	NSR		141	15.8	2	NSR		2	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	700	15.1	517	15.1	1,035	13.2	1,484	11.0	1,205	14.7	2,124	8.5
< 5	5	NSR	3	NSR	8	NSR	11	1.5	8	NSR	23	1.4
5-9	5	NSR	4	NSR	7	NSR	9	NSR	9	NSR	18	1.1
10-14	11	3.7	8	NSR	11	2.2	18	2.2	12	2.3	25	1.5
15-19	58	16.6	55	17.6	113	19.5	142	15.0	142	24.7	229	12.3
20-24	88	27.8	69	19.2	159	29.7	190	21.3	166	31.5	307	17.2
25-29	69	26.5	47	26.0	101	22.7	148	19.5	95	19.5	191	11.9
30-34	43	16.2	29	15.4	39	8.7	99	12.9	73	14.8	120	7.7
35-39	42	14.7	34	16.8	77	15.5	103	12.3	99	18.4	140	8.5
40-44	59	18.8	42	19.0	69	12.5	86	9.2	85	14.5	138	7.7
45-49	54	15.9	37	15.7	92	15.7	112	11.0	88	14.3	172	9.3
50-54	56	16.5	32	13.7	58	10.1	103	10.0	84	14.0	133	7.6
55-59	22	7.1	38	17.8	51	9.7	92	9.8	67	12.3	126	8.2
60-64	41	15.5	26	14.1	36	7.9	80	10.2	42	9.1	72	5.7
65-69	30	14.0	9	NSR	44	12.2	48	7.8	39	10.6	65	6.7
70-74	26	14.4	17	13.3	40	13.7	51	9.7	46	15.5	74	9.3
75-79	31	20.3	28	26.9	47	19.5	54	11.8	55	22.8	96	14.4
80-84	31	26.5	16	20.5	38	20.5	68	18.2	49	27.8	104	20.1
85 +	29	26.6	23	31.6	45	25.6	70	19.4	46	28.2	91	17.9

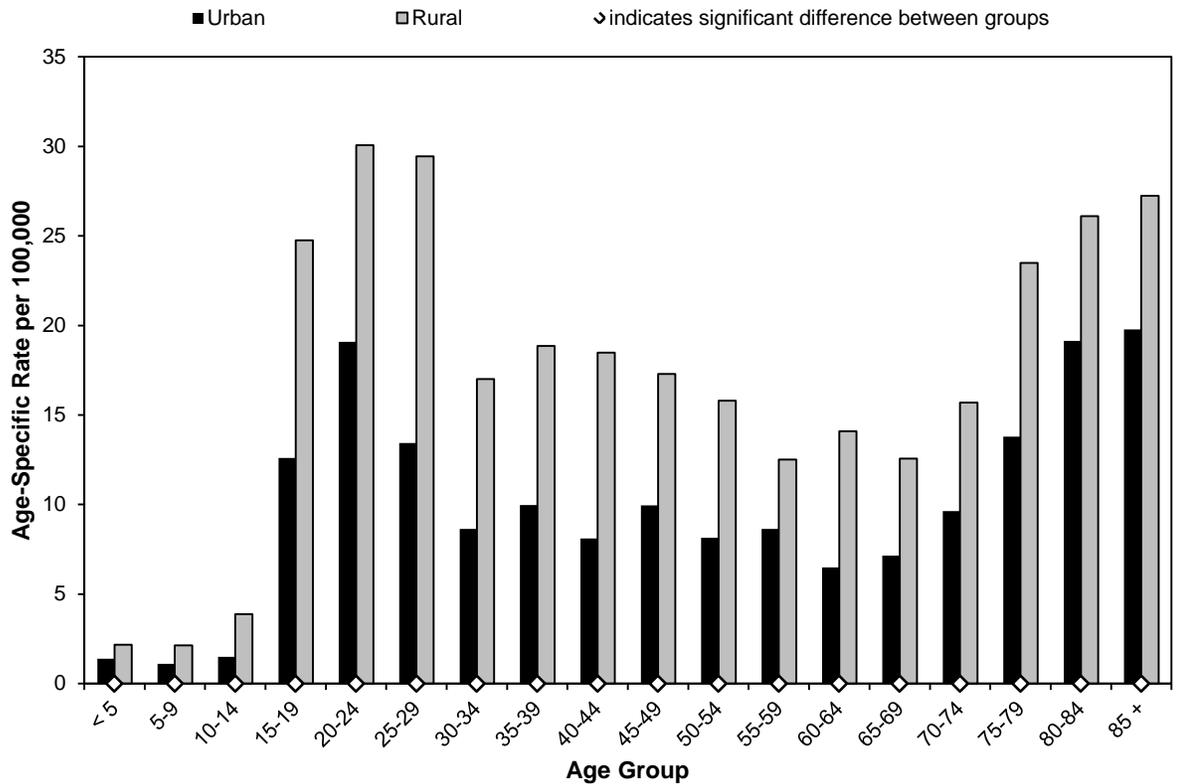
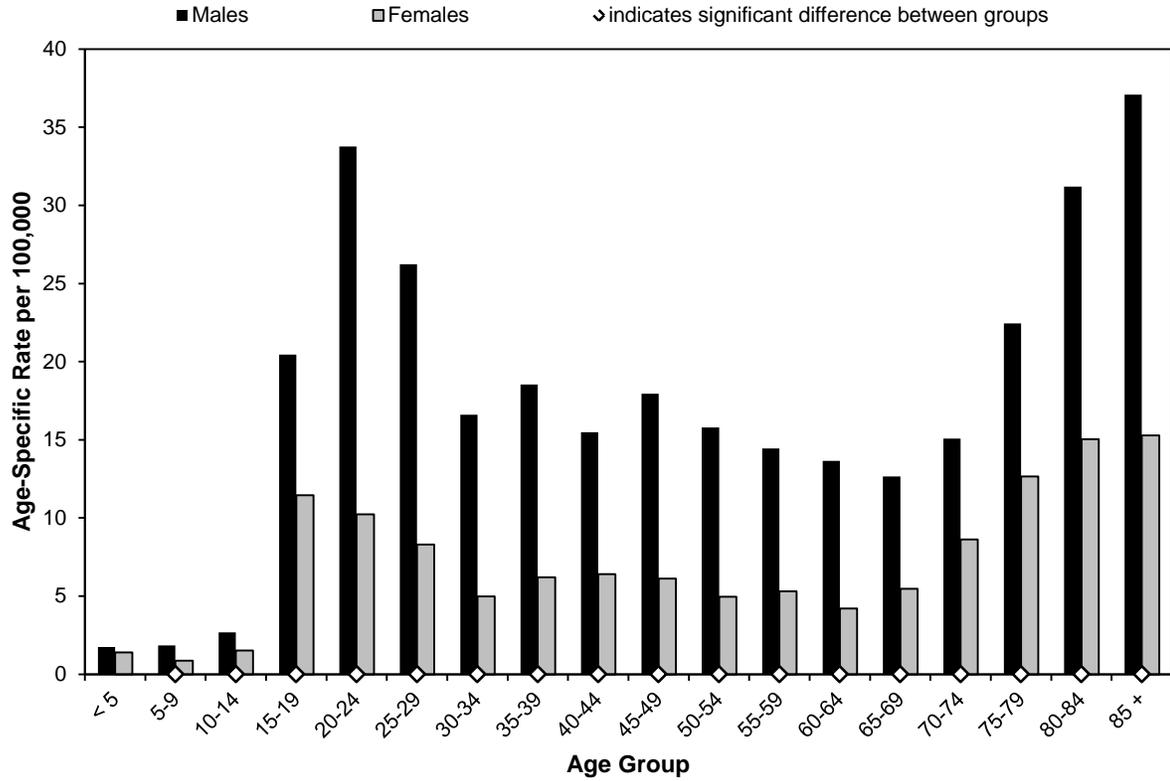
+/- denotes that the district's rate is significantly higher or lower than the state at the $p = .05$ level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

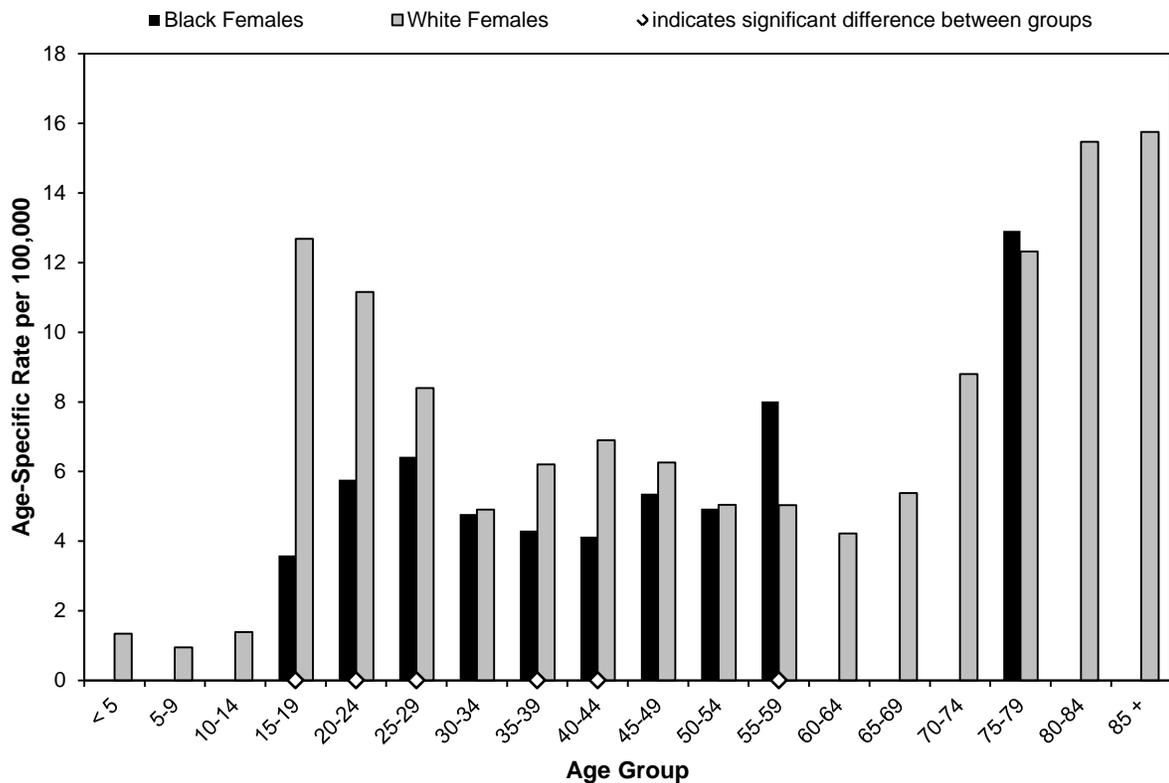
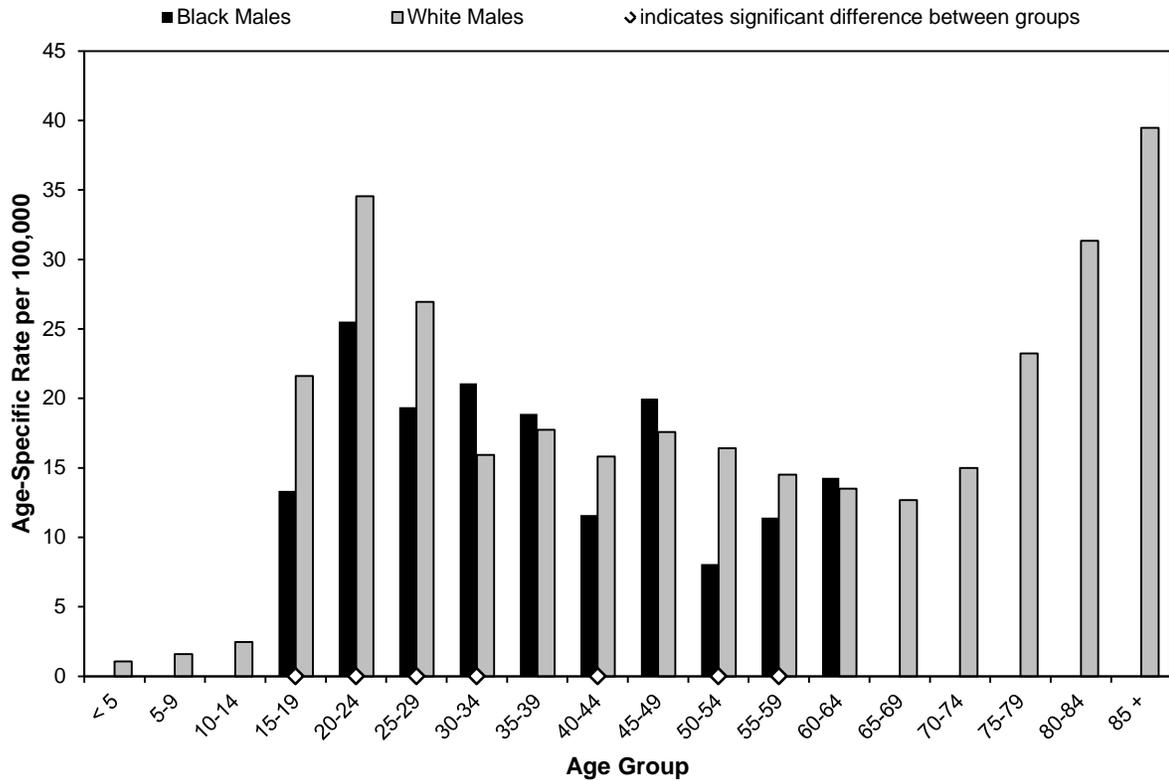
INJURY DEATH: MOTOR VEHICLE TRAFFIC

AGE-SPECIFIC DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: MOTOR VEHICLE TRAFFIC

AGE-SPECIFIC DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: MOTOR VEHICLE TRAFFIC

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

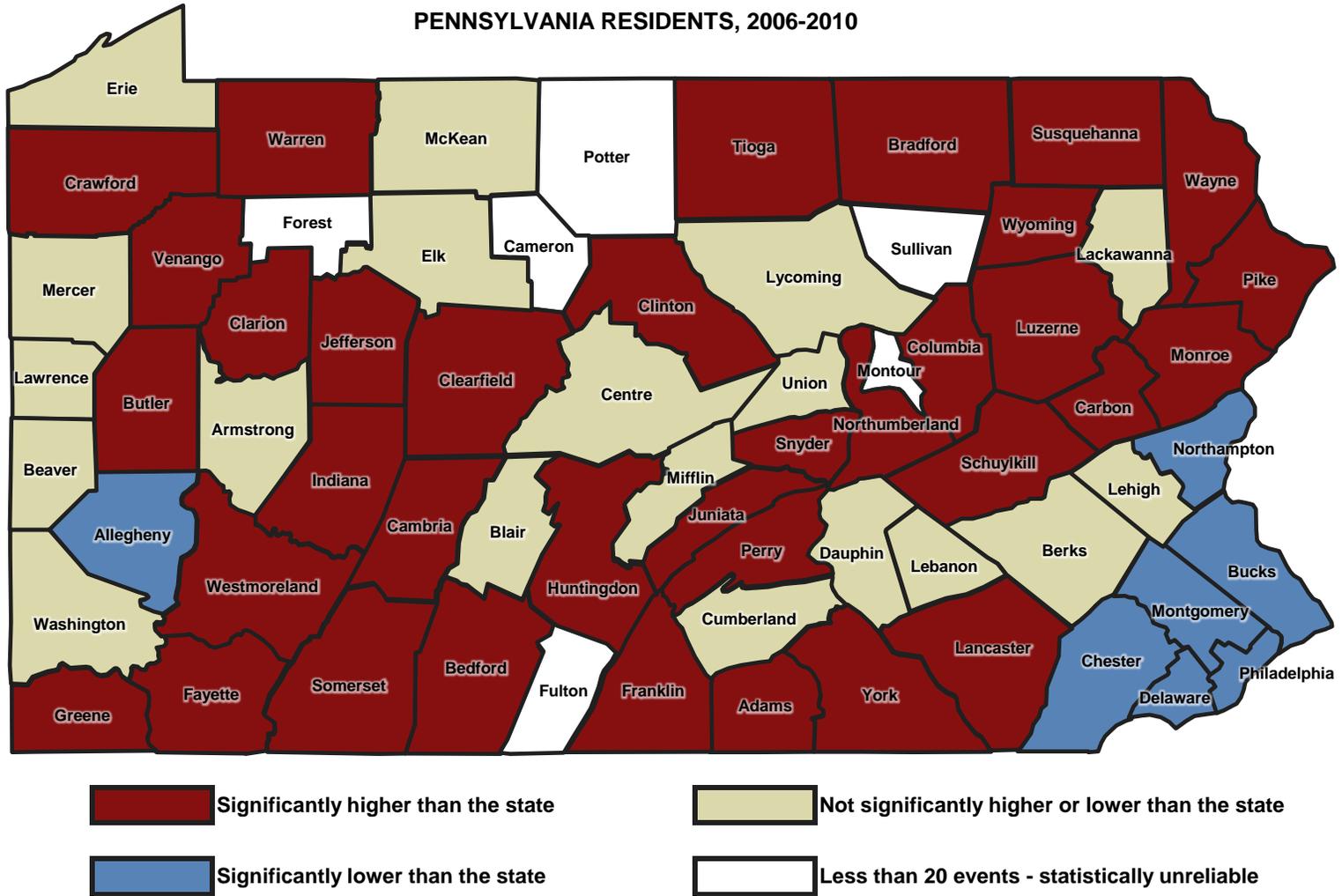
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	1,035	12.8	12-13.6 +	Southeast	2,124	8.3	7.9-8.6 -
Carbon	56	17.2	12.6-21.8 +	Berks	249	12.1	10.6-13.7
Lackawanna	126	11.4	9.3-13.4	Bucks	225	7.2	6.3-8.2 -
Lehigh	170	9.7	8.2-11.2	Chester	189	7.8	6.6-8.9 -
Luzerne	212	12.9	11.1-14.6 +	Delaware	163	5.6	4.7-6.5 -
Monroe	154	17.9	15-20.8 +	Lancaster	325	12.7	11.3-14.1 +
Northampton	143	9.3	7.8-10.9 -	Montgomery	251	6.5	5.7-7.3 -
Pike	45	17.1	12-22.2 +	Philadelphia	570	7.4	6.8-8.1 -
Susquehanna	43	22.3	15.5-29.1 +	Schuylkill	152	19.9	16.7-23.2 +
Wayne	50	20.6	14.7-26.4 +				
Wyoming	36	26.8	18-35.7 +				
North Central	517	14.4	13.1-15.7 +	South Central	1,205	14.5	13.7-15.4 +
Bradford	52	16.9	12.2-21.6 +	Adams	87	17.3	13.6-20.9 +
Centre	73	10.9	8.2-13.5	Bedford	52	22.7	16.4-29 +
Clinton	35	18.0	11.8-24.2 +	Blair	89	13.6	10.7-16.5
Columbia	55	17.0	12.3-21.8 +	Cumberland	117	9.4	7.7-11.2
Lycoming	85	13.5	10.6-16.4	Dauphin	157	12.1	10.2-14.1
Montour	10	NSR		Franklin	122	17.1	14-20.2 +
Northumberland	71	14.9	11.3-18.4 +	Fulton	18	NSR	
Potter	15	NSR		Huntingdon	54	23.6	17.2-30 +
Snyder	35	18.3	12.1-24.4 +	Juniata	43	36.7	25.5-47.9 +
Sullivan	8	NSR		Lebanon	85	12.2	9.6-14.9
Tioga	48	23.5	16.5-30.4 +	Mifflin	34	14.8	9.7-20
Union	30	12.6	8-17.2	Perry	59	27.6	20.5-34.7 +
				York	288	13.5	11.9-15.1 +
Northwest	700	14.7	13.6-15.8 +	Southwest	1,484	10.6	10-11.1
Cameron	9	NSR		Allegheny	402	6.2	5.5-6.8 -
Clarion	49	23.8	16.8-30.8 +	Armstrong	53	14.8	10.7-18.9
Clearfield	84	20.1	15.7-24.6 +	Beaver	101	11.4	9.1-13.7
Crawford	85	18.8	14.7-22.8 +	Butler	126	13.7	11.2-16.1 +
Elk	28	16.9	10.4-23.3	Cambria	105	14.2	11.4-17 +
Erie	146	10.0	8.3-11.6	Fayette	147	21.2	17.7-24.7 +
Forest	11	NSR		Greene	40	19.3	13.2-25.4 +
Jefferson	36	17.0	11.4-22.7 +	Indiana	71	15.6	11.7-19.4 +
Lawrence	47	10.2	7.2-13.2	Somerset	68	16.9	12.7-21 +
McKean	30	13.7	8.7-18.7	Washington	118	11.0	9-13.1
Mercer	80	13.5	10.4-16.6	Westmoreland	253	14.3	12.5-16.2 +
Venango	50	18.0	12.8-23.1 +				
Warren	45	21.9	15.2-28.5 +	Pennsylvania	7,065	10.9	10.7-11.2

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC

AGE-ADJUSTED DEATH RATES BY COUNTY,
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE
PENNSYLVANIA RESIDENTS, 2006-2010



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF DEATHS AND AGE-SPECIFIC DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	4,945	2,120	7,065	1,787	11.1	1,687	14.2	1,467	11.2	995	8.3	1,129	11.8
Northeast	728	307	1,035	294	14.9	231	16.1	208	12.7	130	8.3	172	13.7
Carbon	35	21	56	13	18.5	17	28.6	11	16.4	6	NSR	9	NSR
Lackawanna	95	31	126	29	11.5	25	12.6	33	15.8	14	6.9	25	13.3
Lehigh	112	58	170	49	10.9	37	11.5	25	7.1	18	5.5	41	15.9
Luzerne	151	61	212	57	15.8	45	15.6	41	12.6	35	11.3	34	11.9
Monroe	108	46	154	33	14.1	34	23.2	32	17.1	26	15.9	29	28.8
Northampton	101	42	143	40	10.2	28	10.2	34	11.1	14	4.9	27	12.3
Pike	31	14	45	23	32.3	8	NSR	8	NSR	4	NSR	2	NSR
Susquehanna	37	6	43	18	36.0	11	32.5	8	NSR	3	NSR	3	NSR
Wayne	31	19	50	18	32.2	12	28.9	8	NSR	10	16.6	2	NSR
Wyoming	27	9	36	14	36.9	14	59.9	8	NSR	0	NSR	0	NSR
Southeast	1,513	611	2,124	428	6.3	547	11.1	459	8.7	291	6.4	399	11.6
Berks	188	61	249	28	4.9	72	19.3	54	12.6	44	11.9	51	17.7
Bucks	151	74	225	62	7.7	36	7.0	55	7.6	33	5.2	39	9.0
Chester	129	60	189	81	11.7	33	7.4	35	6.3	16	3.4	24	7.9
Delaware	117	46	163	35	4.7	34	6.4	33	5.7	20	3.8	41	10.4
Lancaster	241	84	325	47	6.6	100	20.9	74	14.6	39	8.6	65	17.6
Montgomery	169	82	251	34	3.4	73	10.4	61	7.0	27	3.6	56	9.6
Philadelphia	414	156	570	88	4.3	170	9.7	117	8.1	94	7.8	101	10.8
Schuylkill	104	48	152	53	32.7	29	21.8	30	18.3	18	12.5	22	16.4

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	4,945	2,120	7,065	1,787	11.1	1,687	14.2	1,467	11.2	995	8.3	1,129	11.8
North Central	360	157	517	181	20.9	109	15.0	113	17.1	65	10.3	49	9.1
Bradford	32	20	52	20	25.4	12	23.5	10	15.7	8	NSR	2	NSR
Centre	52	21	73	18	9.4	17	7.5	19	15.4	9	NSR	10	12.2
Clinton	24	11	35	11	21.8	8	NSR	10	29.0	6	NSR	0	NSR
Columbia	45	10	55	23	27.1	12	17.3	13	21.9	6	NSR	1	NSR
Lycoming	55	30	85	26	18.1	13	11.6	22	18.7	10	8.7	14	14.6
Montour	9	1	10	7	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Northumberland	51	20	71	25	23.5	10	13.1	15	15.6	10	10.6	11	12.8
Potter	12	3	15	9	NSR	4	NSR	2	NSR	0	NSR	0	NSR
Snyder	25	10	35	13	25.0	8	NSR	8	NSR	3	NSR	3	NSR
Sullivan	6	2	8	4	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Tioga	28	20	48	14	25.2	12	33.8	7	NSR	9	NSR	6	NSR
Union	21	9	30	11	21.5	6	NSR	7	NSR	4	NSR	2	NSR
South Central	842	363	1,205	332	15.8	280	18.6	248	14.3	160	10.0	185	14.9
Adams	67	20	87	31	23.0	19	20.5	21	19.4	3	NSR	13	17.6
Bedford	34	18	52	22	36.3	13	31.8	8	NSR	7	NSR	2	NSR
Blair	64	25	89	12	7.7	18	16.0	21	16.7	16	12.7	22	20.0
Cumberland	86	31	117	43	14.8	19	8.2	25	10.6	14	6.4	16	9.0
Dauphin	107	50	157	37	11.0	39	16.6	26	9.2	25	9.6	30	16.9
Franklin	81	41	122	49	25.7	25	19.2	19	13.2	10	7.3	19	15.9
Fulton	10	8	18	9	NSR	5	NSR	4	NSR	0	NSR	0	NSR
Huntingdon	33	21	54	22	41.8	18	39.6	7	NSR	7	NSR	0	NSR
Juniata	33	10	43	19	61.5	8	NSR	7	NSR	4	NSR	5	NSR
Lebanon	60	25	85	31	19.0	13	10.6	21	16.3	7	NSR	13	12.0
Mifflin	24	10	34	11	18.2	9	NSR	5	NSR	7	NSR	2	NSR
Perry	42	17	59	8	NSR	13	32.5	23	46.5	7	NSR	8	NSR
York	201	87	288	38	6.9	81	21.0	61	12.8	53	12.8	55	18.7

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	4,945	2,120	7,065	1,787	11.1	1,687	14.2	1,467	11.2	995	8.3	1,129	11.8
Northwest	475	225	700	216	18.4	157	18.6	143	15.2	104	11.4	80	10.3
Cameron	6	3	9	6	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Clarion	37	12	49	17	32.6	7	NSR	11	29.7	6	NSR	8	NSR
Clearfield	51	33	84	12	13.3	22	29.6	18	19.7	19	23.0	13	18.0
Crawford	53	32	85	24	20.5	19	24.4	18	20.7	15	16.8	9	NSR
Elk	20	8	28	10	26.1	5	NSR	8	NSR	5	NSR	0	NSR
Erie	104	42	146	46	12.3	29	10.2	33	11.8	18	6.9	20	9.9
Forest	8	3	11	5	NSR	3	NSR	3	NSR	0	NSR	0	NSR
Jefferson	24	12	36	20	36.4	10	26.0	4	NSR	2	NSR	0	NSR
Lawrence	27	20	47	15	13.3	10	13.3	11	12.1	8	NSR	3	NSR
McKean	21	9	30	10	18.5	9	NSR	9	NSR	2	NSR	0	NSR
Mercer	56	24	80	23	15.4	18	18.1	15	13.0	11	9.6	13	12.4
Venango	34	16	50	11	16.2	12	27.0	9	NSR	9	NSR	9	NSR
Warren	34	11	45	17	34.7	10	31.0	4	NSR	9	NSR	5	NSR
Southwest	1,027	457	1,484	336	10.4	363	15.0	296	10.6	245	8.9	244	10.5
Allegheny	269	133	402	39	2.7	110	9.6	74	5.9	83	6.8	96	9.3
Armstrong	40	13	53	16	19.1	7	NSR	13	18.1	11	15.2	6	NSR
Beaver	77	24	101	28	13.9	23	16.1	18	10.1	15	8.2	17	10.7
Butler	77	49	126	17	7.0	41	25.7	22	11.0	21	11.7	25	18.5
Cambria	76	29	105	29	17.5	24	18.9	19	13.0	17	11.4	16	11.8
Fayette	104	43	147	57	34.2	31	25.9	29	19.4	17	11.2	13	10.4
Greene	23	17	40	13	28.9	8	NSR	9	NSR	7	NSR	3	NSR
Indiana	54	17	71	16	14.0	15	16.2	14	17.5	14	16.8	12	17.3
Somerset	50	18	68	22	26.0	13	18.8	12	14.4	14	17.7	7	NSR
Washington	81	37	118	29	11.7	27	14.8	27	12.8	18	8.4	17	9.5
Westmoreland	176	77	253	70	16.9	64	21.6	59	15.4	28	7.2	32	9.5

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	86	11.5	9-13.9	Allegheny	305	5.4	4.8-6.1	Berks	16	5.7	2.7-8.8
Chester	16	10.2	4.9-15.6	Chester	151	6.9	5.8-8	Lancaster	24	11.7	6.6-16.8
Dauphin	28	12.6	7.9-17.3	Dauphin	120	11.7	9.6-13.9	Lehigh	16	6.1	2.5-9.7
Delaware	30	5.6	3.6-7.7	Delaware	129	5.6	4.6-6.6	Philadelphia	79	10.5	7.9-13.1
Montgomery	34	9.7	6.4-13	Montgomery	195	6.0	5.1-6.8				
Philadelphia	271	8.1	7.1-9	Philadelphia	188	5.0	4.2-5.7				
Pennsylvania	575	8.5	7.8-9.2	Pennsylvania	6,136	11.1	10.8-11.4	Pennsylvania	242	8.3	7.1-9.5

NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
County and Race	Cty. Pop.															
Allegheny	White	82.7%	203	102	305	75.9%	31	2.8	75	8.3	48	4.6	68	6.4	83	9.0
	Black	13.4%	60	26	86	21.4%	6	NSR	32	18.6	23	15.1	12	9.4	13	14.4
Chester	White	88.7%	98	53	151	79.9%	27	4.5	40	10.5	23	4.7	30	7.0	31	11.0
	Black	6.2%	12	4	16	8.5%	0	NSR	11	31.6	3	NSR	0	NSR	2	NSR
Dauphin	White	76.3%	80	40	120	76.4%	11	4.9	29	16.8	23	10.5	25	11.6	32	20.7
	Black	17.9%	20	8	28	17.8%	4	NSR	14	29.8	6	NSR	3	NSR	1	NSR
Delaware	White	75.0%	91	38	129	79.1%	10	1.9	30	8.2	21	4.9	27	6.3	41	11.9
	Black	18.9%	23	7	30	18.4%	5	NSR	11	8.6	10	9.1	3	NSR	1	NSR
Montgomery	White	83.7%	132	63	195	77.7%	24	3.0	58	10.4	42	5.8	20	3.1	51	9.6
	Black	8.7%	20	14	34	13.5%	7	NSR	7	NSR	15	18.8	2	NSR	3	NSR
Philadelphia	White	45.6%	136	52	188	33.0%	19	2.5	42	5.1	27	4.1	39	6.6	61	11.3
	Black	45.3%	193	78	271	47.5%	46	4.3	95	12.9	65	9.9	37	7.0	28	7.8
Pennsylvania	White	84.9%	4,265	1,871	6,136	86.9%	782	6.0	1,687	17.5	1,307	11.7	1,042	9.8	1,318	15.0
	Black	10.7%	419	156	575	8.1%	90	4.1	214	13.9	140	10.3	78	7.8	53	8.2

INJURY DEATHS: FIREARM-RELATED

In 2010, among Pennsylvania residents, there were 1,294 deaths due to firearm-related injuries and violence. On average, one resident died every seven hours.

Injury Definition

Firearm-related injury includes:

- suicide by firearm;
- homicide by firearm;
- injury from accidental discharge;
- injury from legal intervention or police action.

Firearms include handguns, shotguns and rifles.

Violence (suicide and homicide) accounts for over 95 percent of all firearm-related deaths in Pa.

HIGHLIGHTS

- *Age-adjusted rates have generally been **decreasing** over 2006 to 2010.*
- *The most common demographic is **black males** ages 15 to 34.*
- *Of all Pennsylvania counties, **Philadelphia** shows the highest rate.*

Trends Over Time

- Age-adjusted death rates for firearm-related injury decreased by seven percent from 2006 to 2010, from 10.8 to 10.0 deaths per 100,000.
- Males showed significantly higher age-adjusted firearm death rates than females over 2006 to 2010 (rates were 18.2 and 2.2, respectively, in 2010).
- Black males showed significantly higher age-adjusted firearm death rates than white males over 2006 to 2010 (rates were 48.9 and 13.4, respectively, in 2010).

Demographic Trends

- Males showed significantly higher firearm death rates than females for all age groups.
- Among males, blacks showed significantly higher firearm death rates for ages 15 to 54. Among females, blacks showed significantly higher rates for ages 15 to 49.
- Urban populations showed significantly higher firearm death rates for ages 15 to 34, while rural populations showed higher rates for ages 74 and older.

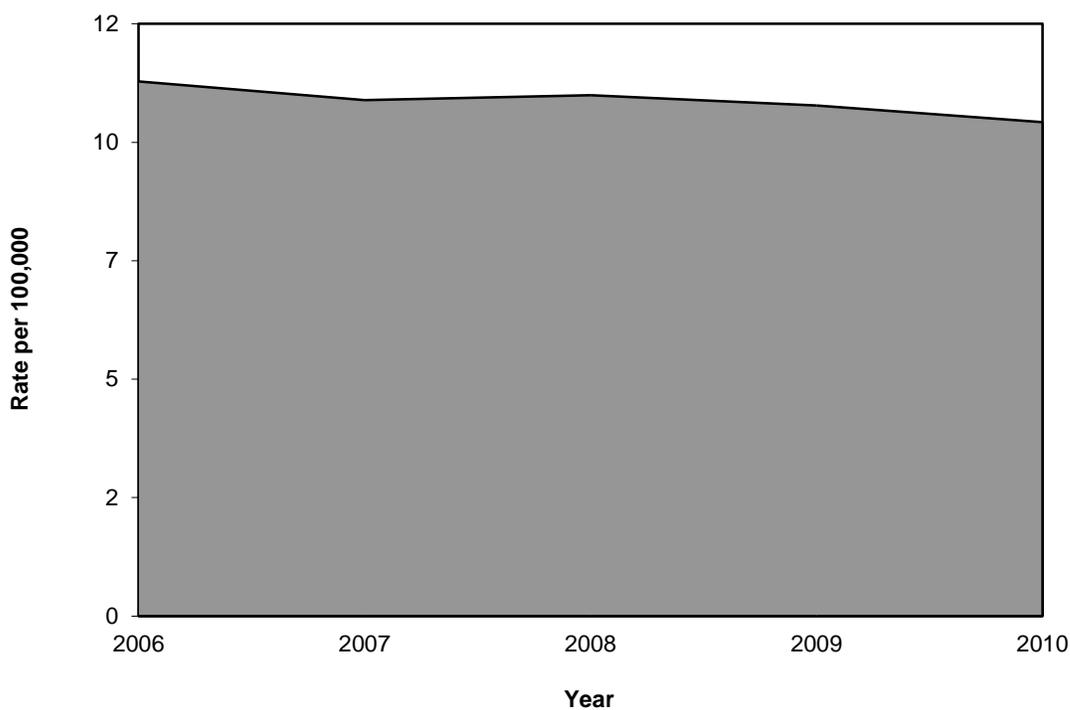
Regional Trends

- The Southeast Health District generally showed the highest age-specific firearm death rate, while the North Central Health District showed the lowest rate. However, the Northwest Health District showed the highest rates among ages 70 and older.
- Two counties showed age-adjusted firearm death rates in 2006 to 2010 that were significantly higher than the comparable state rate: Allegheny and Philadelphia.

INJURY DEATHS: FIREARM-RELATED

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	1,361	10.8
2007	1,308	10.5
2008	1,335	10.6
2009	1,336	10.3
2010	1,294	10.0



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	7.2	8.3	8.4	8.2	13.3	11.0
2007	8.2	9.1	8.5	7.8	12.8	9.7
2008	8.0	9.0	8.4	8.7	12.1	11.1
2009	7.5	7.8	9.5	10.0	11.2	11.3
2010	9.5	8.0	11.2	9.5	10.7	9.8

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

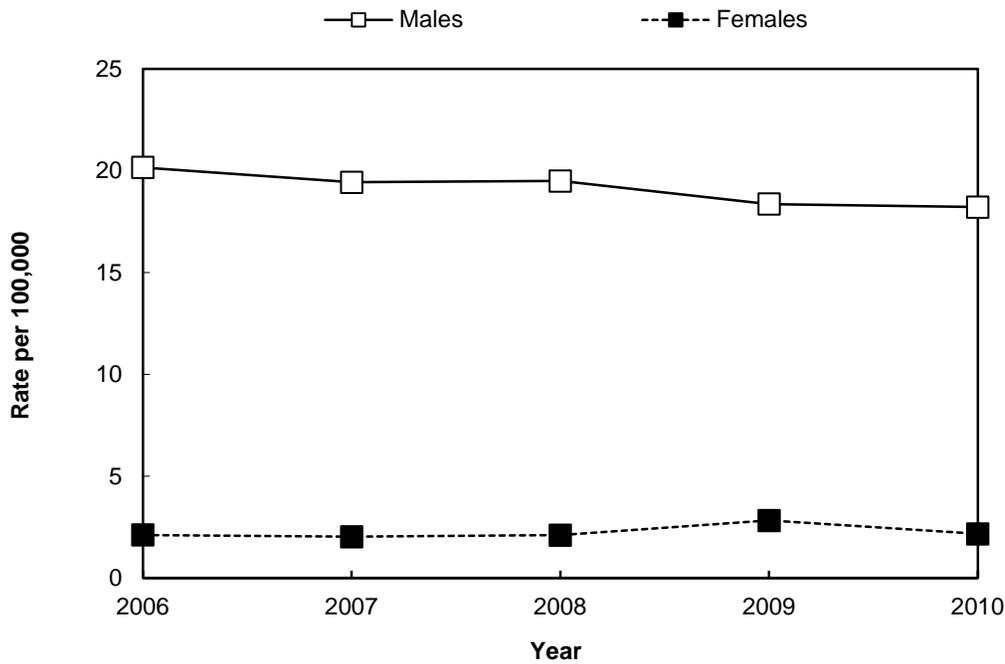
See Technical Notes.

INJURY DEATHS: FIREARM-RELATED

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	1,227	20.2 *	2006	134	2.1
2007	1,181	19.4 *	2007	127	2.0
2008	1,199	19.5 *	2008	136	2.1
2009	1,152	18.4 *	2009	184	2.8
2010	1,153	18.2 *	2010	141	2.2

** denotes a statistically significant difference between groups at level of $p = .05$*



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

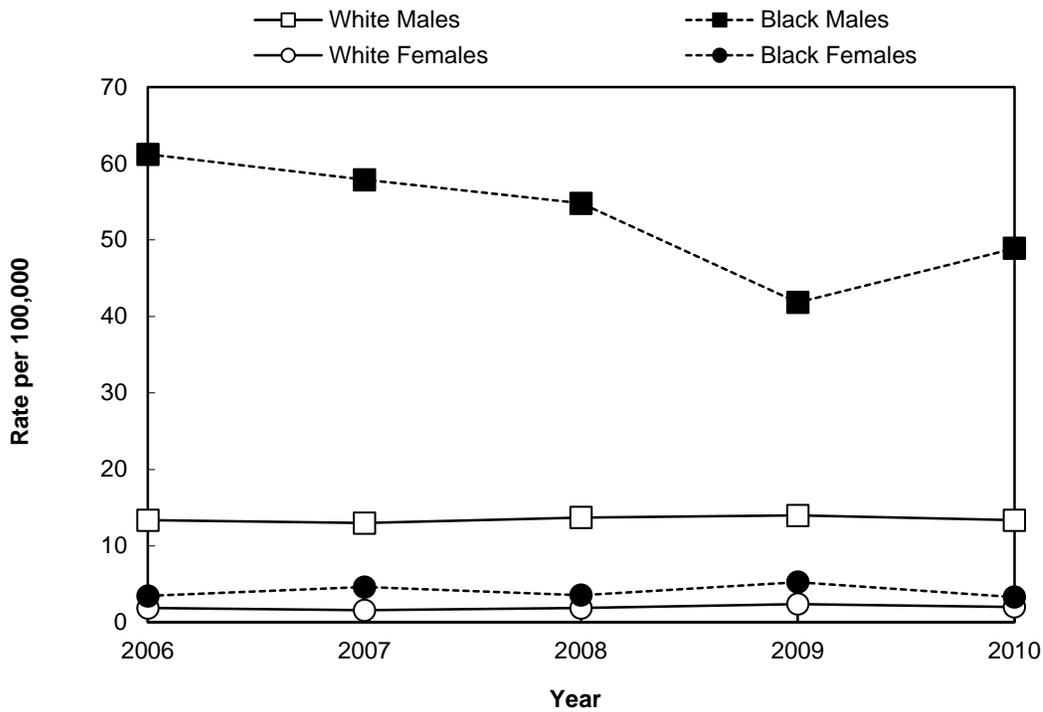
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	22.2	14.8 *	2006	2.0	2.4
2007	20.8	15.9 *	2007	2.1	1.7
2008	20.7	16.3 *	2008	2.0	2.4
2009	19.2	16.1 *	2009	2.7	3.3
2010	19.0	15.9 *	2010	2.2	2.1

NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania. Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY DEATHS: FIREARM-RELATED

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	716	438	104	25	58	2
2007	694	408	88	32	70	6
2008	751	392	106	26	48	4
2009	773	312	138	39	59	6
2010	729	356	112	24	39	2



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	13.4	61.2 *	1.9	3.5 *	18.5	NSR
2007	13.0	57.9 *	1.6	4.6 *	23.8	NSR
2008	13.7	54.8 *	1.9	3.6 *	16.0	NSR
2009	14.0	41.8 *	2.4	5.3 *	18.8	NSR
2010	13.4	48.9 *	2.0	3.3	8.8	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY DEATH: FIREARM-RELATED

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	6,634	10.6	5,912	19.4	722	2.2	5,030	11.1	1,604	9.3
< 5	14	0.4	12	0.6	2	NSR	11	0.4	3	NSR
5-9	16	0.4	9	NSR	7	NSR	13	0.5	3	NSR
10-14	33	0.8	25	1.2	8	NSR	24	0.8	9	NSR
15-19	570	12.3	539	23.1	31	1.4	513	15.4	57	4.4
20-24	940	21.3	868	38.8	72	3.3	813	25.6	127	10.3
25-29	703	18.8	642	33.8	61	3.3	599	21.4	104	11.1
30-34	582	15.6	518	27.7	64	3.5	468	17.0	114	11.7
35-39	530	13.2	459	23.0	71	3.5	404	13.7	126	11.8
40-44	515	11.7	439	20.2	76	3.4	376	11.7	139	11.7
45-49	553	11.9	479	20.9	74	3.1	368	10.9	185	14.6
50-54	561	12.4	488	21.9	73	3.2	386	11.8	175	13.9
55-59	408	10.0	348	17.6	60	2.9	266	9.2	142	12.3
60-64	312	9.2	266	16.4	46	2.6	221	9.2	91	9.1
65-69	220	8.2	200	16.2	20	1.4	150	8.1	70	8.6
70-74	198	8.9	179	18.4	19	1.5	113	7.3	85	12.7
75-79	196	10.5	183	23.9	13	1.2	130	9.9	66	11.9
80-84	158	10.9	138	25.2	20	2.2	93	9.0	65	15.6
85 +	125	9.0	120	28.5	5	NSR	82	8.2	43	11.0

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: FIREARM-RELATED

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	3,663	14.1	1,906	59.6	548	2.0	146	4.1	294	9.7		
< 5	7	NSR	3	NSR	2	NSR	0	NSR	0	NSR		
5-9	7	NSR	1	NSR	5	NSR	2	NSR	1	NSR		
10-14	16	1.0	8	NSR	6	NSR	1	NSR	1	NSR		
15-19	125	6.6	379	120.4	*	11	0.6	17	5.5	*	34	11.4
20-24	274	15.0	511	171.6	*	34	1.9	34	11.5	*	74	27.1
25-29	221	14.3	357	144.1	*	35	2.4	21	8.4	*	50	19.8
30-34	246	15.9	232	106.3	*	44	2.9	15	6.5	*	38	16.1
35-39	271	16.1	150	70.8	*	47	2.8	19	8.2	*	38	16.8
40-44	325	17.4	87	40.4	*	63	3.3	13	5.4	*	21	10.4
45-49	388	19.4	72	34.2	*	60	3.0	13	5.4	*	14	8.0
50-54	427	21.6	49	26.4	*	67	3.3	6	NSR		9	NSR
55-59	321	18.1	20	13.4	*	56	3.0	2	NSR		4	NSR
60-64	246	16.7	13	11.6	*	42	2.6	3	NSR		7	NSR
65-69	188	16.7	8	NSR		19	1.5	0	NSR		2	NSR
70-74	174	19.5	3	NSR		19	1.7	0	NSR		1	NSR
75-79	173	24.4	9	NSR		13	1.3	0	NSR		0	NSR
80-84	136	26.6	2	NSR		20	2.4	0	NSR		0	NSR
85 +	118	30.3	2	NSR		5	NSR	0	NSR		0	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY DEATHS: FIREARM-RELATED

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST						
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate					
TOTAL	451	9.7	284	8.3	680	8.7	1,452	10.7	746	9.1	3,021	12.1					
< 5	1	NSR	2	NSR	1	NSR	3	NSR	2	NSR	5	NSR					
5-9	2	NSR	0	NSR	-	1	NSR	6	NSR	1	NSR	6	NSR				
10-14	0	NSR	-	1	NSR	4	NSR	11	1.4	+	6	NSR	11	0.7			
15-19	16	4.6	-	11	3.5	-	41	7.1	-	110	11.6	39	6.8	-	353	19.0	+
20-24	31	9.8	-	19	5.3	-	80	14.9	-	171	19.1	69	13.1	-	570	31.9	+
25-29	25	9.6	-	20	11.0	-	60	13.5	-	137	18.0	64	13.1	-	397	24.8	+
30-34	35	13.2	-	19	10.1	-	42	9.3	-	146	19.0	51	10.3	-	289	18.6	+
35-39	35	12.3		27	13.3		62	12.4		110	13.2	57	10.6	-	239	14.5	
40-44	38	12.1		20	9.0	-	62	11.2		107	11.4	78	13.3		210	11.8	
45-49	37	10.9		30	12.7		51	8.7	-	145	14.2	66	10.7		224	12.1	
50-54	55	16.2	+	23	9.9	-	72	12.5		121	11.7	74	12.4		216	12.3	
55-59	35	11.3		29	13.6	+	51	9.7		93	9.9	60	11.0		140	9.1	
60-64	39	14.8	+	17	9.2		41	9.0		64	8.2	39	8.5		112	8.9	
65-69	15	7.0		12	7.8		30	8.3		54	8.8	38	10.3	+	71	7.4	
70-74	34	18.8	+	15	11.8		20	6.8	-	46	8.7	31	10.5		52	6.6	-
75-79	23	15.1	+	16	15.4	+	27	11.2		51	11.1	26	10.8		53	7.9	-
80-84	19	16.2	+	15	19.2	+	17	9.2		43	11.5	24	13.6		40	7.7	-
85 +	11	10.1		8	NSR		18	10.3		34	9.4	21	12.9	+	33	6.5	-

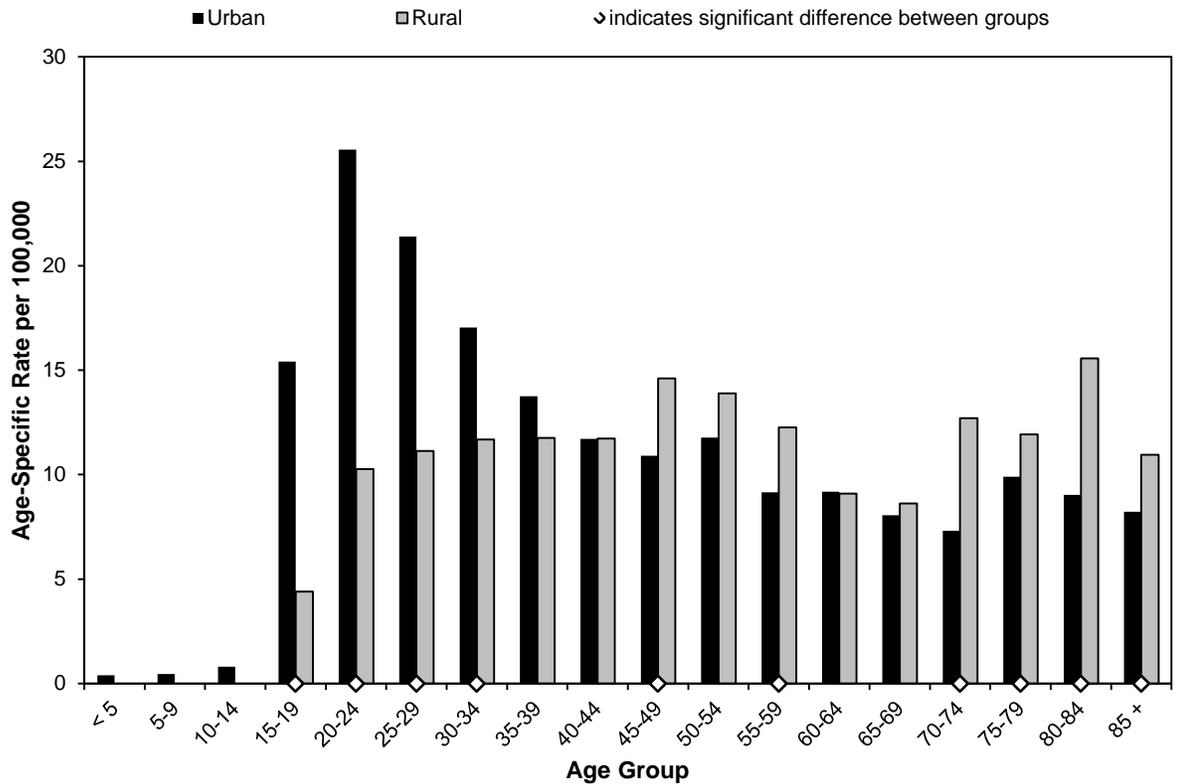
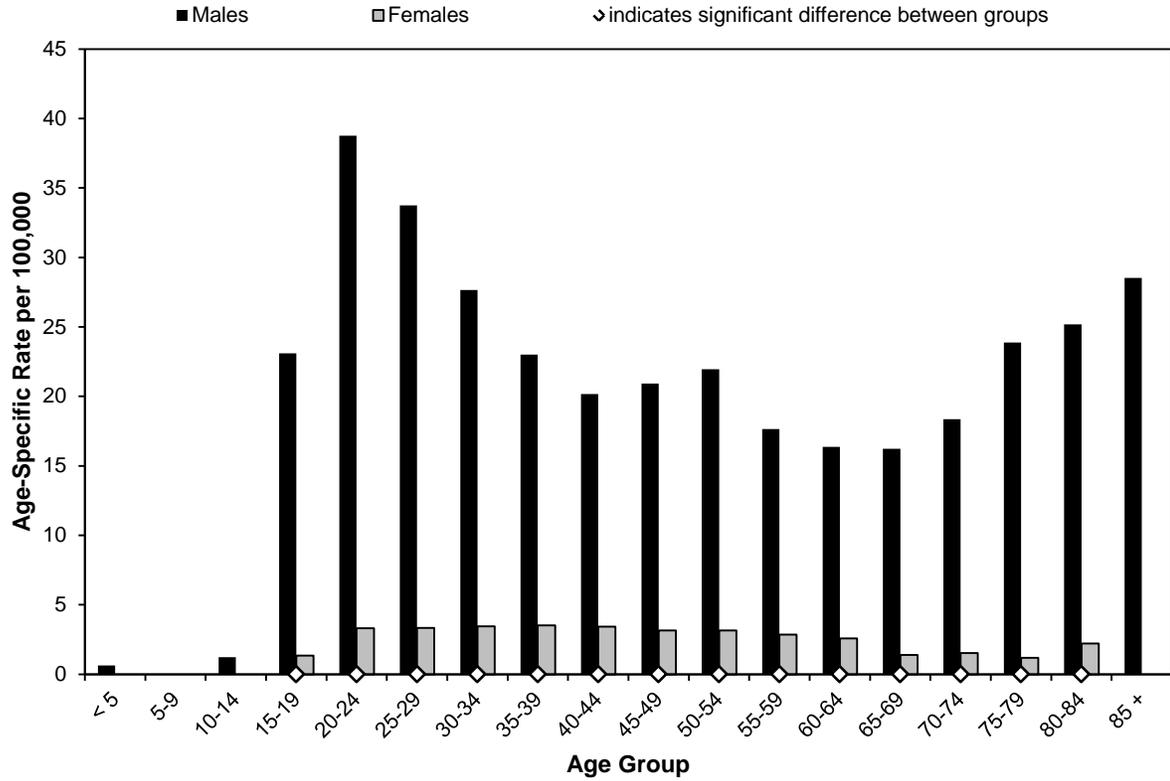
+/- denotes that the district's rate is significantly higher or lower than the state at the $p = .05$ level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

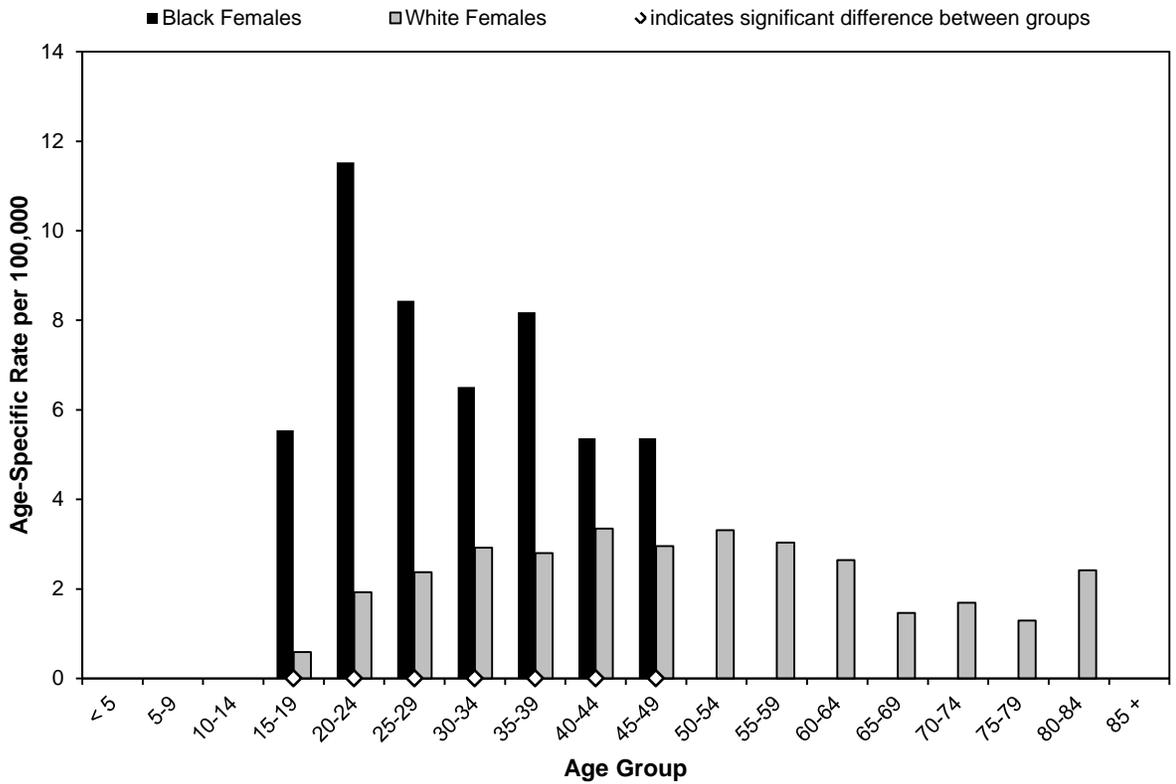
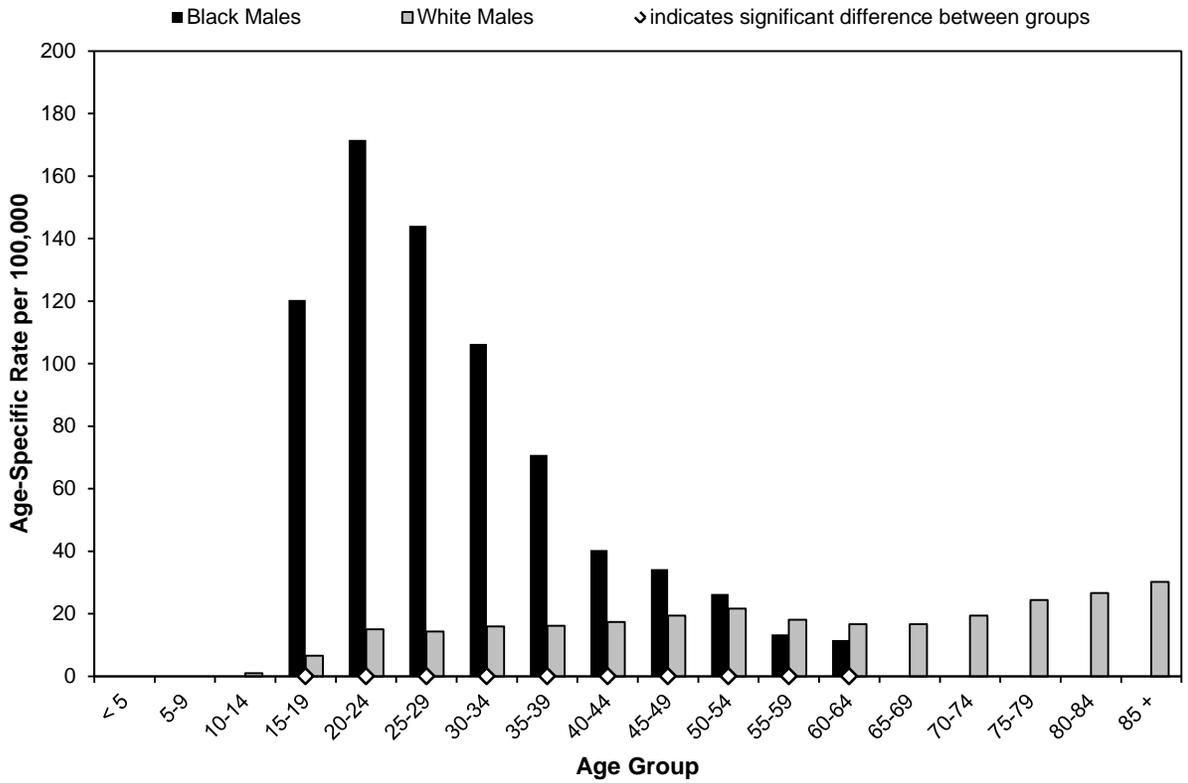
INJURY DEATH: FIREARM-RELATED

AGE-SPECIFIC DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: FIREARM-RELATED

AGE-SPECIFIC DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: FIREARM-RELATED

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

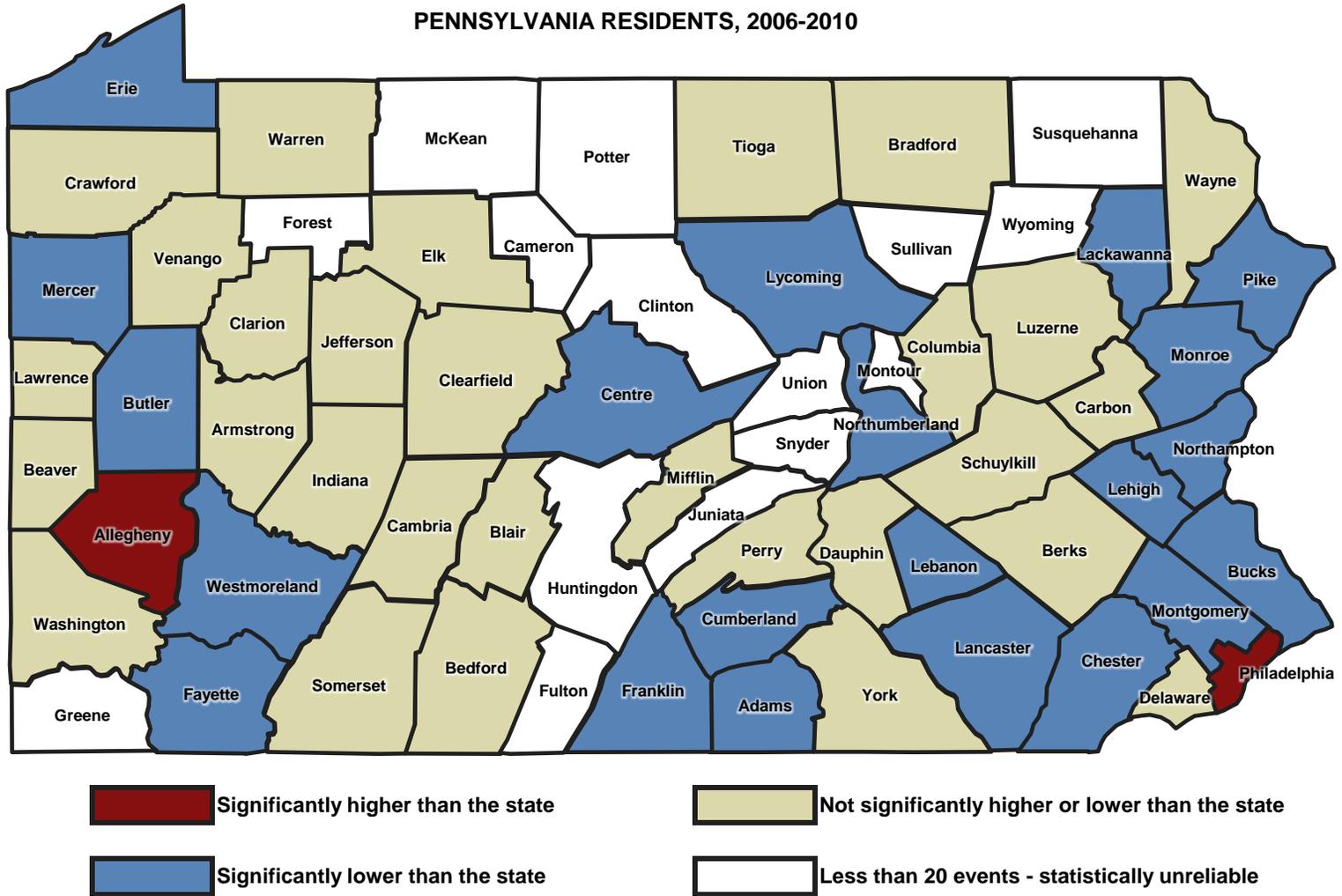
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	680	8.4	7.8-9 -	Southeast	3,021	12.0	11.6-12.4 +
Carbon	33	8.7	5.6-11.8	Berks	206	10.0	8.6-11.4
Lackawanna	84	7.5	5.9-9.2 -	Bucks	217	6.6	5.7-7.5 -
Lehigh	140	8.0	6.7-9.4 -	Chester	146	5.8	4.9-6.8 -
Luzerne	161	10.3	8.7-11.9	Delaware	290	10.3	9.1-11.5
Monroe	72	8.3	6.4-10.3 -	Lancaster	144	5.7	4.7-6.6 -
Northampton	108	7.1	5.7-8.5 -	Montgomery	215	5.3	4.6-6 -
Pike	21	6.6	3.7-9.6 -	Philadelphia	1,728	21.7	20.7-22.8 +
Susquehanna	14	NSR		Schuylkill	75	9.9	7.7-12.2
Wayne	37	13.5	9-18.1				
Wyoming	10	NSR					
North Central	284	8.1	7.1-9.1 -	South Central	746	8.8	8.2-9.5 -
Bradford	40	11.7	8-15.4	Adams	36	7.2	4.8-9.6 -
Centre	41	6.0	4.1-7.9 -	Bedford	28	10.7	6.6-14.8
Clinton	11	NSR		Blair	51	8.2	5.9-10.5
Columbia	33	10.5	6.8-14.2	Cumberland	85	7.0	5.5-8.5 -
Lycoming	46	7.7	5.4-10 -	Dauphin	138	10.7	8.9-12.5
Montour	8	NSR		Franklin	58	8.0	5.9-10.1 -
Northumberland	34	7.3	4.7-9.8 -	Fulton	15	NSR	
Potter	15	NSR		Huntingdon	19	NSR	
Snyder	15	NSR		Juniata	9	NSR	
Sullivan	5	NSR		Lebanon	46	7.1	5-9.2 -
Tioga	26	11.8	7.1-16.5	Mifflin	28	12.7	7.9-17.5
Union	10	NSR		Perry	29	13.0	8.2-17.8
				York	204	9.3	8-10.6
Northwest	451	9.2	8.3-10.1 -	Southwest	1,452	10.6	10-11.1
Cameron	6	NSR		Allegheny	741	12.2	11.3-13.1 +
Clarion	25	13.3	7.9-18.6	Armstrong	39	10.9	7.4-14.4
Clearfield	52	11.2	8.1-14.4	Beaver	109	12.6	10.2-15.1
Crawford	48	10.2	7.2-13.2	Butler	75	7.7	5.9-9.5 -
Elk	24	13.2	7.8-18.7	Cambria	71	9.4	7.1-11.6
Erie	109	7.6	6.1-9 -	Fayette	51	7.0	5-8.9 -
Forest	2	NSR		Greene	16	NSR	
Jefferson	37	14.3	9.6-19.1	Indiana	47	10.4	7.3-13.5
Lawrence	38	8.4	5.6-11.1	Somerset	43	10.1	7-13.3
McKean	15	NSR		Washington	101	9.4	7.5-11.2
Mercer	49	8.0	5.7-10.4 -	Westmoreland	159	8.3	7-9.7 -
Venango	25	8.5	5-11.9				
Warren	21	10.6	5.9-15.4	Pennsylvania	6,634	10.4	10.2-10.7

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY DEATHS: FIREARM-RELATED

AGE-ADJUSTED DEATH RATES BY COUNTY,
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE
PENNSYLVANIA RESIDENTS, 2006-2010



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: FIREARM-RELATED

TOTAL NUMBER OF DEATHS AND AGE-SPECIFIC DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	5,912	722	6,634	1,451	9.0	2,292	19.3	1,562	12.0	877	7.3	452	4.7
Northeast	590	90	680	197	10.0	202	14.1	153	9.3	83	5.3	45	3.6
Carbon	28	5	33	9	NSR	19	32.0	4	NSR	1	NSR	0	NSR
Lackawanna	76	8	84	16	6.3	21	10.6	24	11.5	12	5.9	11	5.8
Lehigh	123	17	140	35	7.8	36	11.2	31	8.8	22	6.8	16	6.2
Luzerne	139	22	161	55	15.2	56	19.5	30	9.2	14	4.5	6	NSR
Monroe	60	12	72	16	6.9	15	10.2	24	12.8	14	8.5	3	NSR
Northampton	90	18	108	42	10.7	23	8.4	21	6.8	13	4.6	9	NSR
Pike	20	1	21	5	NSR	10	22.0	4	NSR	2	NSR	0	NSR
Susquehanna	12	2	14	4	NSR	6	NSR	4	NSR	0	NSR	0	NSR
Wayne	32	5	37	11	19.7	12	28.9	9	NSR	5	NSR	0	NSR
Wyoming	10	0	10	4	NSR	4	NSR	2	NSR	0	NSR	0	NSR
Southeast	2,745	276	3,021	612	9.1	1,217	24.6	694	13.2	348	7.7	150	4.3
Berks	183	23	206	51	9.0	48	12.9	55	12.8	29	7.8	23	8.0
Bucks	192	25	217	56	7.0	54	10.4	62	8.6	35	5.5	10	2.3
Chester	126	20	146	35	5.1	32	7.2	43	7.7	24	5.2	12	3.9
Delaware	266	24	290	89	11.9	87	16.3	63	10.9	32	6.1	19	4.8
Lancaster	129	15	144	26	3.6	37	7.7	39	7.7	28	6.2	14	3.8
Montgomery	181	34	215	49	4.9	51	7.3	59	6.7	33	4.4	23	3.9
Philadelphia	1,601	127	1,728	279	13.5	885	50.3	355	24.6	162	13.4	47	5.0
Schuylkill	67	8	75	27	16.7	23	17.3	18	11.0	5	NSR	2	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	5,912	722	6,634	1,451	9.0	2,292	19.3	1,562	12.0	877	7.3	452	4.7
North Central	253	31	284	95	11.0	76	10.4	62	9.4	41	6.5	10	1.9
Bradford	36	4	40	7	NSR	11	21.6	11	17.3	9	NSR	2	NSR
Centre	37	4	41	12	6.3	10	4.4	12	9.7	5	NSR	2	NSR
Clinton	10	1	11	7	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Columbia	29	4	33	9	NSR	11	15.8	5	NSR	8	NSR	0	NSR
Lycoming	41	5	46	15	10.5	14	12.5	11	9.3	3	NSR	3	NSR
Montour	8	0	8	6	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Northumberland	29	5	34	12	11.3	8	NSR	5	NSR	6	NSR	3	NSR
Potter	13	2	15	6	NSR	3	NSR	3	NSR	3	NSR	0	NSR
Snyder	14	1	15	7	NSR	4	NSR	4	NSR	0	NSR	0	NSR
Sullivan	5	0	5	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	22	4	26	5	NSR	6	NSR	8	NSR	7	NSR	0	NSR
Union	9	1	10	4	NSR	3	NSR	3	NSR	0	NSR	0	NSR
South Central	646	100	746	213	10.1	203	13.5	178	10.2	99	6.2	53	4.3
Adams	31	5	36	12	8.9	10	10.8	6	NSR	6	NSR	2	NSR
Bedford	23	5	28	8	NSR	9	NSR	6	NSR	5	NSR	0	NSR
Blair	44	7	51	13	8.3	21	18.7	12	9.5	4	NSR	1	NSR
Cumberland	73	12	85	21	7.2	16	6.9	20	8.5	16	7.4	12	6.8
Dauphin	122	16	138	46	13.7	35	14.9	29	10.2	16	6.1	12	6.7
Franklin	51	7	58	13	6.8	20	15.4	16	11.1	6	NSR	3	NSR
Fulton	14	1	15	8	NSR	6	NSR	1	NSR	0	NSR	0	NSR
Huntingdon	16	3	19	5	NSR	4	NSR	8	NSR	2	NSR	0	NSR
Juniata	8	1	9	5	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Lebanon	41	5	46	14	8.6	14	11.4	14	10.8	4	NSR	0	NSR
Mifflin	25	3	28	9	NSR	7	NSR	8	NSR	4	NSR	0	NSR
Perry	23	6	29	9	NSR	12	30.0	5	NSR	3	NSR	0	NSR
York	175	29	204	50	9.0	46	11.9	52	10.9	33	8.0	23	7.8

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	5,912	722	6,634	1,451	9.0	2,292	19.3	1,562	12.0	877	7.3	452	4.7
Northwest	397	54	451	104	8.9	128	15.2	118	12.6	75	8.2	26	3.4
Cameron	5	1	6	5	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Clarion	22	3	25	7	NSR	13	33.1	3	NSR	2	NSR	0	NSR
Clearfield	48	4	52	9	NSR	12	16.2	13	14.3	15	18.1	3	NSR
Crawford	44	4	48	9	NSR	12	15.4	14	16.1	10	11.2	3	NSR
Elk	23	1	24	5	NSR	9	NSR	8	NSR	2	NSR	0	NSR
Erie	95	14	109	14	3.7	28	9.9	30	10.7	22	8.5	15	7.4
Forest	2	0	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	34	3	37	10	18.2	12	31.1	8	NSR	7	NSR	0	NSR
Lawrence	33	5	38	15	13.3	9	NSR	7	NSR	5	NSR	2	NSR
McKean	14	1	15	4	NSR	5	NSR	6	NSR	0	NSR	0	NSR
Mercer	40	9	49	9	NSR	12	12.0	16	13.9	9	NSR	3	NSR
Venango	20	5	25	8	NSR	8	NSR	8	NSR	1	NSR	0	NSR
Warren	17	4	21	7	NSR	7	NSR	5	NSR	2	NSR	0	NSR
Southwest	1,281	171	1,452	230	7.1	466	19.2	357	12.8	231	8.4	168	7.2
Allegheny	667	74	741	95	6.5	292	25.6	158	12.6	115	9.5	81	7.9
Armstrong	35	4	39	7	NSR	16	30.1	8	NSR	5	NSR	3	NSR
Beaver	93	16	109	28	13.9	30	21.0	23	12.9	14	7.7	14	8.8
Butler	64	11	75	14	5.8	11	6.9	27	13.5	11	6.1	12	8.9
Cambria	64	7	71	13	7.8	17	13.4	22	15.1	15	10.0	4	NSR
Fayette	45	6	51	11	6.6	12	10.0	15	10.0	6	NSR	7	NSR
Greene	13	3	16	6	NSR	7	NSR	3	NSR	0	NSR	0	NSR
Indiana	40	7	47	14	12.2	14	15.1	10	12.5	6	NSR	3	NSR
Somerset	36	7	43	11	13.0	17	24.5	11	13.2	4	NSR	0	NSR
Washington	83	18	101	21	8.5	23	12.6	33	15.7	13	6.1	11	6.1
Westmoreland	141	18	159	10	2.4	27	9.1	47	12.3	42	10.8	33	9.8

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: FIREARM-RELATED

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	369	43.6	39-48.1	Allegheny	357	6.6	5.9-7.3	Berks	25	8.2	4.9-11.5
Chester	18	10.8	5.5-16	Chester	122	5.4	4.4-6.3	Lancaster	17	9.2	4.7-13.7
Dauphin	47	19.9	14.2-25.7	Dauphin	76	7.0	5.4-8.6	Lehigh	26	7.6	4.6-10.6
Delaware	150	24.7	20.7-28.7	Delaware	133	5.9	4.9-6.9	Philadelphia	161	17.8	14.9-20.7
Montgomery	29	8.1	5.1-11	Montgomery	179	5.1	4.3-5.9				
Philadelphia	1,261	35.4	33.4-37.4	Philadelphia	276	7.8	6.9-8.8				
Pennsylvania	2,052	27.8	26.6-29.1	Pennsylvania	4,211	7.5	7.2-7.7	Pennsylvania	294	9.1	8-10.2

NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
County and Race	Cty. Pop.															
Allegheny	White	82.7%	312	45	357	48.2%	13	1.2	71	7.9	95	9.0	102	9.6	76	8.2
	Black	13.4%	341	28	369	49.8%	80	29.1	210	122.1	61	39.9	13	10.1	5	NSR
Chester	White	88.7%	104	18	122	83.6%	2	NSR	23	6.0	40	8.1	35	8.2	22	7.8
	Black	6.2%	16	2	18	12.3%	3	NSR	11	31.6	1	NSR	3	NSR	0	NSR
Dauphin	White	76.3%	67	9	76	55.1%	2	NSR	11	6.4	20	9.1	24	11.1	19	12.3
	Black	17.9%	43	4	47	34.1%	10	12.5	25	53.1	9	NSR	2	NSR	1	NSR
Delaware	White	75.0%	118	15	133	45.9%	7	NSR	25	6.8	31	7.2	44	10.3	26	7.5
	Black	18.9%	141	9	150	51.7%	29	16.6	92	71.5	25	22.8	4	NSR	0	NSR
Montgomery	White	83.7%	150	29	179	83.3%	5	NSR	36	6.5	49	6.8	54	8.3	35	6.6
	Black	8.7%	24	5	29	13.5%	2	NSR	15	19.8	9	NSR	2	NSR	1	NSR
Philadelphia	White	45.6%	240	36	276	16.0%	7	NSR	66	8.0	84	12.8	88	14.9	31	5.8
	Black	45.3%	1,182	79	1,261	73.0%	252	23.4	716	97.2	222	33.8	58	10.9	13	3.6
Pennsylvania	White	84.9%	3,663	548	4,211	63.5%	179	1.4	854	8.8	1,154	10.4	1,159	10.9	865	9.8
	Black	10.7%	1,906	146	2,052	30.9%	411	18.8	1,170	76.1	354	26.1	93	9.3	24	3.7

INJURY DEATHS: ALL UNINTENTIONAL INJURIES

In 2010, among Pennsylvania residents, there were 5,607 deaths due to unintentional injury. On average, one resident died every 94 minutes.

Injury Definition

Unintentional injury is negatively defined to include all events in which there is not a deliberate intent to cause harm to oneself or another person.

Injuries are not coded unintentional if the intent is unknown; these are instead coded “undetermined.”

Leading mechanisms of unintentional injury include motor vehicle accidents, poisoning and falls. These three mechanisms account for over 75 percent of all unintentional injury deaths in Pa.

HIGHLIGHTS

- *Age-adjusted rates have generally been **stable** over 2006 to 2010.*
- *The most common demographic is **white males**, ages 20 to 54.*
- *Of all Pennsylvania counties, **Cameron** shows the highest rates.*

Trends Over Time

- The age-adjusted injury death rate increased from 2006 to 2008, from 39.3 to 41.8 deaths per 100,000 population. Rates then decreased to 39.1 deaths per 100,000 population in 2009 and increased to 39.9 deaths per 100,000 in 2010.
- Males showed significantly higher age-adjusted death rates than females over 2006 to 2010 (rates were 53.6 and 27.2, respectively, in 2010).
- Rural males and females showed significantly higher age-adjusted death rates than urban males and females over 2006 to 2010.

Demographic Trends

- Males showed significantly higher death rates for unintentional injury for all groups.
- Black males and females showed significantly higher death rates than white males and females for ages under 10 and ages 45 to 64.
- White males and females showed significantly higher death rates than black males and females for ages 15 to 29 and ages 80 and older.
- Rural populations showed significantly higher death rates than urban populations for ages under 45 and ages 60 to 74.

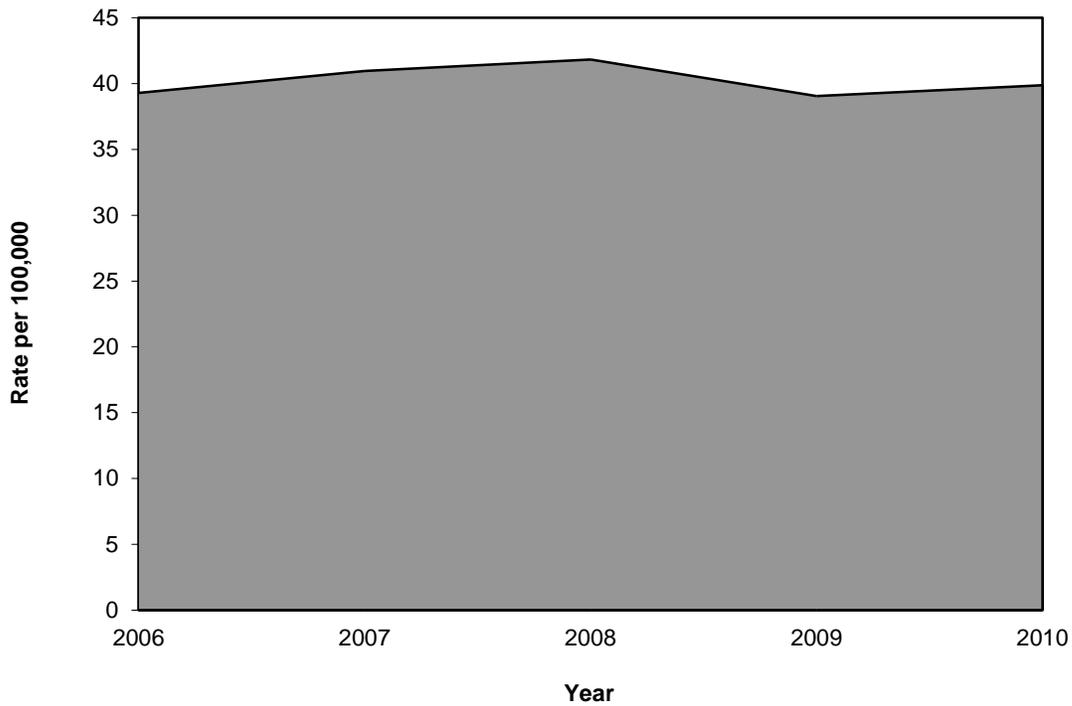
Regional Trends

- The Southwest Health District showed the highest age adjusted death rates for unintentional injury, while the North Central Health District showed the lowest rate.
- Twenty-six counties showed age-adjusted death rates for 2006 to 2010 that were significantly higher than the comparable state rate. Twenty-two counties were rural.

INJURY DEATHS: ALL UNINTENTIONAL

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	5,144	39.3
2007	5,457	41.0
2008	5,669	41.8
2009	5,441	39.1
2010	5,607	39.9



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	38.3	40.2	39.5	39.1	39.3	39.2
2007	36.2	43.4	47.2	41.4	39.5	41.8
2008	39.2	45.2	46.0	42.0	38.4	45.4
2009	36.7	38.4	41.6	38.4	37.0	43.6
2010	36.2	39.0	42.0	40.3	36.6	46.5

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

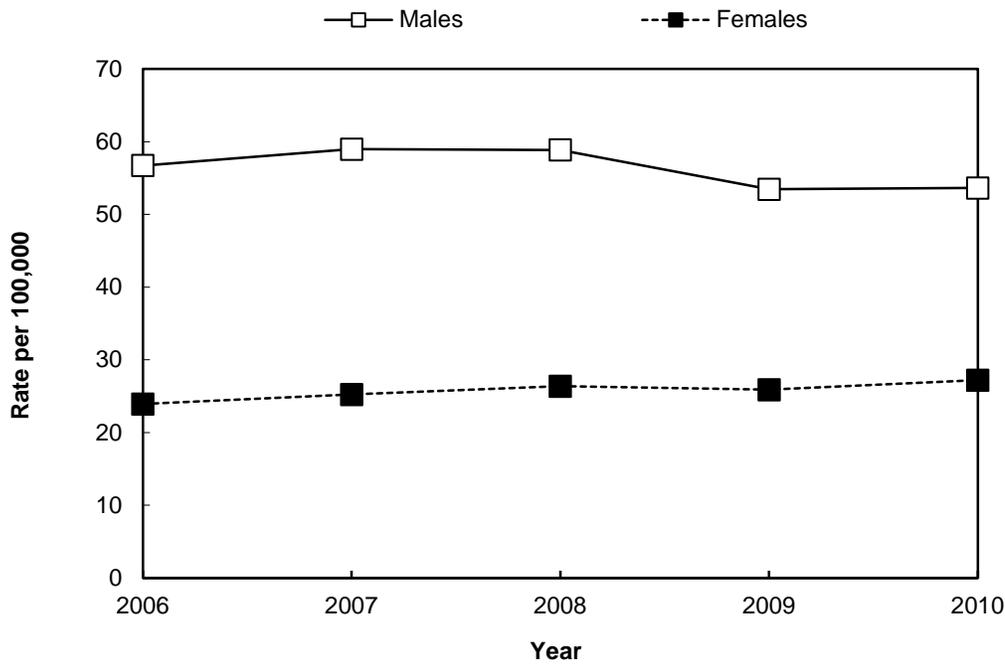
See Technical Notes.

INJURY DEATHS: ALL UNINTENTIONAL

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	3,307	56.7 *	2006	1,837	23.9
2007	3,515	59.0 *	2007	1,942	25.2
2008	3,592	58.9 *	2008	2,077	26.4
2009	3,340	53.5 *	2009	2,101	25.9
2010	3,392	53.6 *	2010	2,215	27.2

** denotes a statistically significant difference between groups at level of $p = .05$*



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	55.3	60.4 *	2006	21.9	29.2 *
2007	57.3	63.5 *	2007	24.0	28.6 *
2008	56.5	65.0 *	2008	25.3	29.2 *
2009	51.2	59.5 *	2009	24.3	30.4 *
2010	51.3	59.9 *	2010	25.2	33.0 *

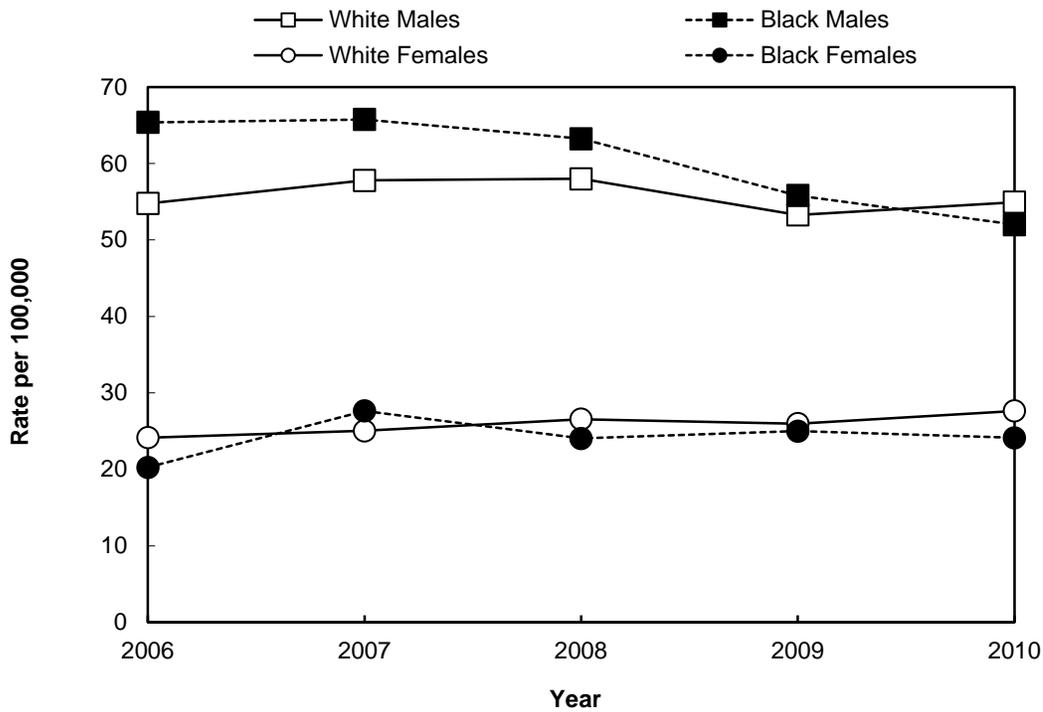
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY DEATHS: ALL UNINTENTIONAL

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	2,790	346	1,653	135	136	30
2007	3,012	358	1,714	188	122	27
2008	3,089	351	1,863	166	127	28
2009	2,907	319	1,885	175	76	27
2010	2,937	318	1,953	174	94	60



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	54.8	65.4 *	24.1	20.3 *	56.1	16.0
2007	57.8	65.8 *	25.0	27.6	55.3	9.7
2008	58.0	63.2	26.6	24.0	51.2	12.4
2009	53.3	55.8	26.0	25.0	29.1	10.7
2010	54.9	52.0	27.7	24.1	34.5	23.0

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY DEATH: ALL UNINTENTIONAL

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	27,318	43.6	17,146	56.3	10,172	31.6	18,845	41.5	8,473	49.3		
< 5	260	7.1	157	8.3	103	5.7	*	174	6.3	86	9.3	*
5-9	147	3.9	95	4.9	52	2.8	*	97	3.4	50	5.1	*
10-14	179	4.5	125	6.1	54	2.8	*	98	3.3	81	7.6	*
15-19	1,252	27.1	852	36.5	400	17.5	*	774	23.3	478	37.0	*
20-24	1,939	43.9	1,505	67.2	434	19.9	*	1,303	41.0	636	51.4	*
25-29	1,802	48.3	1,396	73.4	406	22.2	*	1,212	43.3	590	63.2	*
30-34	1,380	37.1	1,032	55.1	348	18.8	*	939	34.2	441	45.2	*
35-39	1,548	38.6	1,083	54.3	465	23.1	*	1,051	35.8	497	46.4	*
40-44	1,914	43.5	1,335	61.3	579	26.1	*	1,349	42.0	565	47.7	*
45-49	2,282	49.2	1,560	68.2	722	30.7	*	1,660	49.2	622	49.1	
50-54	1,954	43.1	1,401	63.0	553	23.9	*	1,390	42.4	564	44.8	
55-59	1,464	36.0	1,022	51.8	442	21.1	*	1,069	36.8	395	34.1	
60-64	1,025	30.1	727	44.7	298	16.7	*	685	28.5	340	34.0	*
65-69	881	32.9	561	45.5	320	22.2	*	573	30.8	308	37.9	*
70-74	1,058	47.8	639	65.6	419	33.8	*	683	44.2	375	56.0	*
75-79	1,546	82.9	853	111.3	693	63.0	*	1,056	80.5	490	88.5	
80-84	2,223	153.7	1,116	203.6	1,107	123.2	*	1,520	147.7	703	168.4	*
85 +	4,464	321.4	1,687	401.1	2,777	286.8	*	3,212	322.4	1,252	318.8	

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: ALL UNINTENTIONAL

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	14,735	56.9	1,692	52.9	9,068	33.2	838	23.7	727	23.9
< 5	95	6.4	39	15.1	72	5.1	23	9.1	24	7.0
5-9	62	4.0	25	9.6	33	2.2	13	5.2	14	4.6
10-14	91	5.5	20	7.2	38	2.4	10	3.7	16	5.6
15-19	716	37.8	94	29.9	338	18.2	34	11.1	54	18.1
20-24	1,311	72.0	107	35.9	380	21.5	38	12.9	75	27.4
25-29	1,218	78.7	97	39.2	344	23.3	40	16.1	84	33.2
30-34	855	55.4	113	51.8	289	19.2	44	19.1	67	28.3
35-39	885	52.7	123	58.1	389	23.2	51	22.0	82	36.2
40-44	1,102	58.9	153	71.0	494	26.2	68	28.1	80	39.4
45-49	1,316	65.8	186	88.5	596	29.4	103	42.5	67	38.1
50-54	1,148	58.2	206	110.9	476	23.5	65	29.2	45	34.2
55-59	813	45.9	168	112.8	370	20.0	64	34.2	32	31.7
60-64	596	40.5	110	98.3	251	15.8	36	24.3	20	28.1
65-69	490	43.5	58	74.1	282	21.7	29	26.3	6	NSR
70-74	568	63.5	55	90.2	374	33.3	34	36.1	14	41.6
75-79	785	110.6	45	101.8	638	63.4	37	47.8	21	87.5
80-84	1,062	208.1	44	144.3	1,048	126.6	47	78.2	7	NSR
85 +	1,622	415.8	49	197.5	2,656	296.7	102	164.0	19	125.5

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY DEATHS: ALL UNINTENTIONAL

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
TOTAL	2,199	47.4	1,384	40.5	3,487	44.4	6,689	49.4	3,507	42.8	10,052	40.3						
< 5	26	10.2	+	16	9.0	31	7.2	38	5.3	-	51	10.3	+	98	6.1	-		
5-9	18	6.6	+	9	NSR	22	4.8	29	3.8	19	3.8	50	3.1	-				
10-14	17	5.8		15	7.7	+	28	5.6	40	4.9	25	4.7	54	3.2	-			
15-19	107	30.6		75	24.0	-	186	32.2	+	255	26.9	204	35.5	+	425	22.9	-	
20-24	152	48.0		113	31.4	-	264	49.2		422	47.2	263	49.9		725	40.6		
25-29	142	54.5		82	45.3		269	60.4	+	432	56.8	+	212	43.5	665	41.6	-	
30-34	118	44.4		68	36.1		162	36.0		323	42.0	176	35.6		533	34.3		
35-39	117	41.1		74	36.5		207	41.6		361	43.2	207	38.5		582	35.3		
40-44	133	42.3		88	39.8		246	44.4		438	46.7	197	33.5	-	812	45.6		
45-49	165	48.7		86	36.5	-	309	52.6		557	54.5	+	246	40.0	-	919	49.8	
50-54	179	52.8	+	73	31.3	-	237	41.1		489	47.3	219	36.6	-	757	43.1		
55-59	96	31.1	-	79	36.9		168	32.1		368	39.2	161	29.5	-	592	38.6		
60-64	100	37.8		68	36.9	+	106	23.2	-	259	33.0	125	27.2		367	29.2		
65-69	86	40.2	+	47	30.5		121	33.6		204	33.3	112	30.4		311	32.2		
70-74	94	51.9		54	42.4		124	42.5		262	49.8	178	60.1	+	346	43.7		
75-79	135	88.6		102	97.9		183	75.9		400	87.1	226	93.5		500	75.0	-	
80-84	188	160.7		114	145.8		267	144.2		604	162.0	321	182.1	+	729	141.0	-	
85 +	326	299.3		221	303.6		557	317.4		1,208	334.8	565	346.1		1,587	312.5		

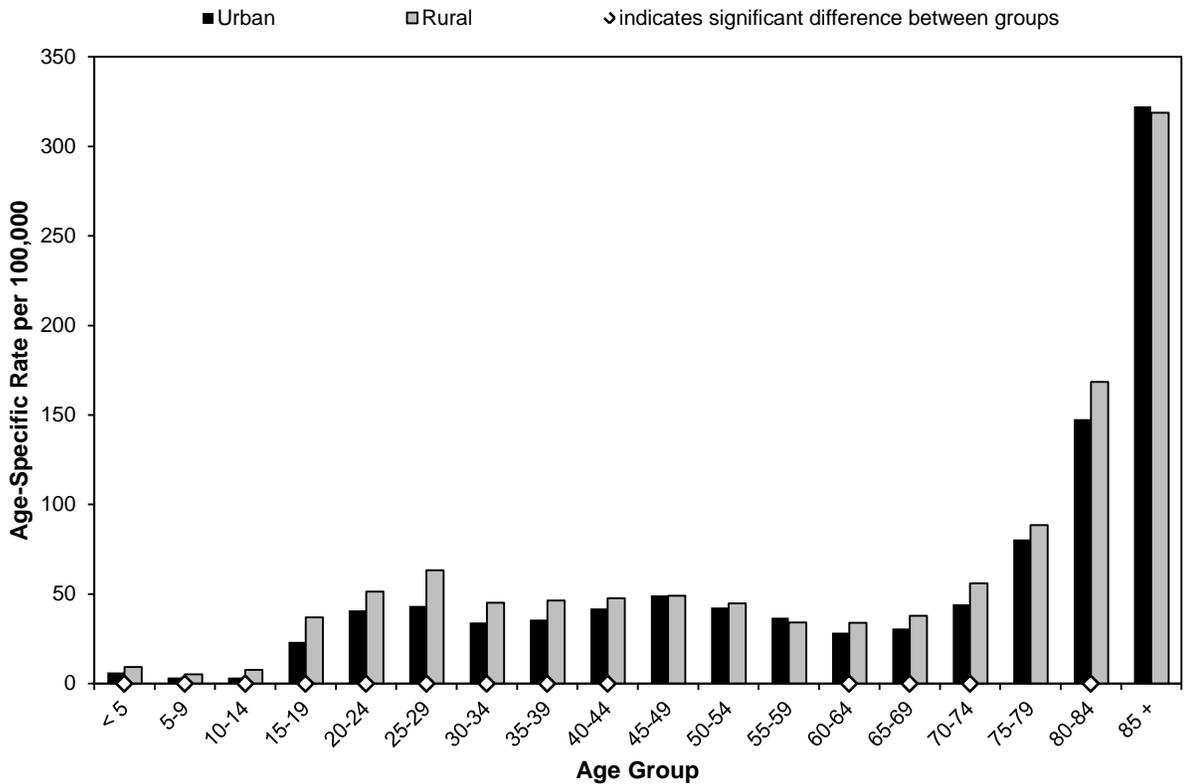
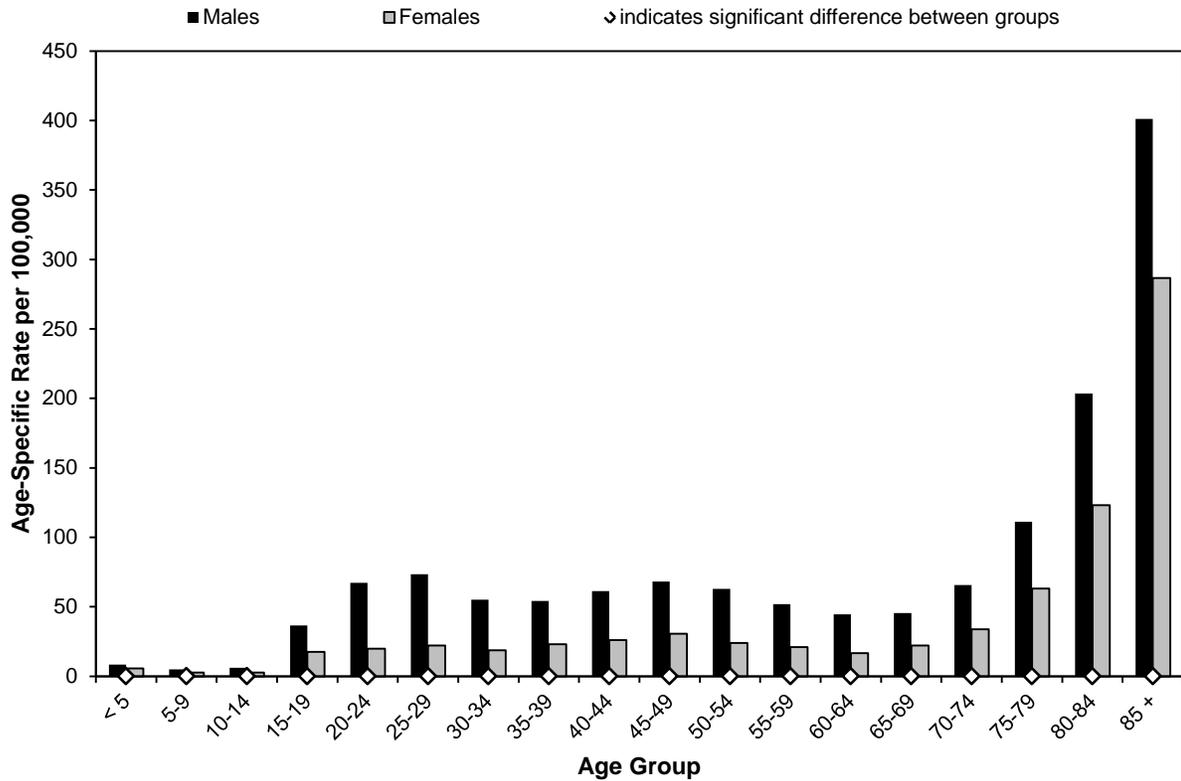
+/- denotes that the district's rate is significantly higher or lower than the state at the $p = .05$ level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

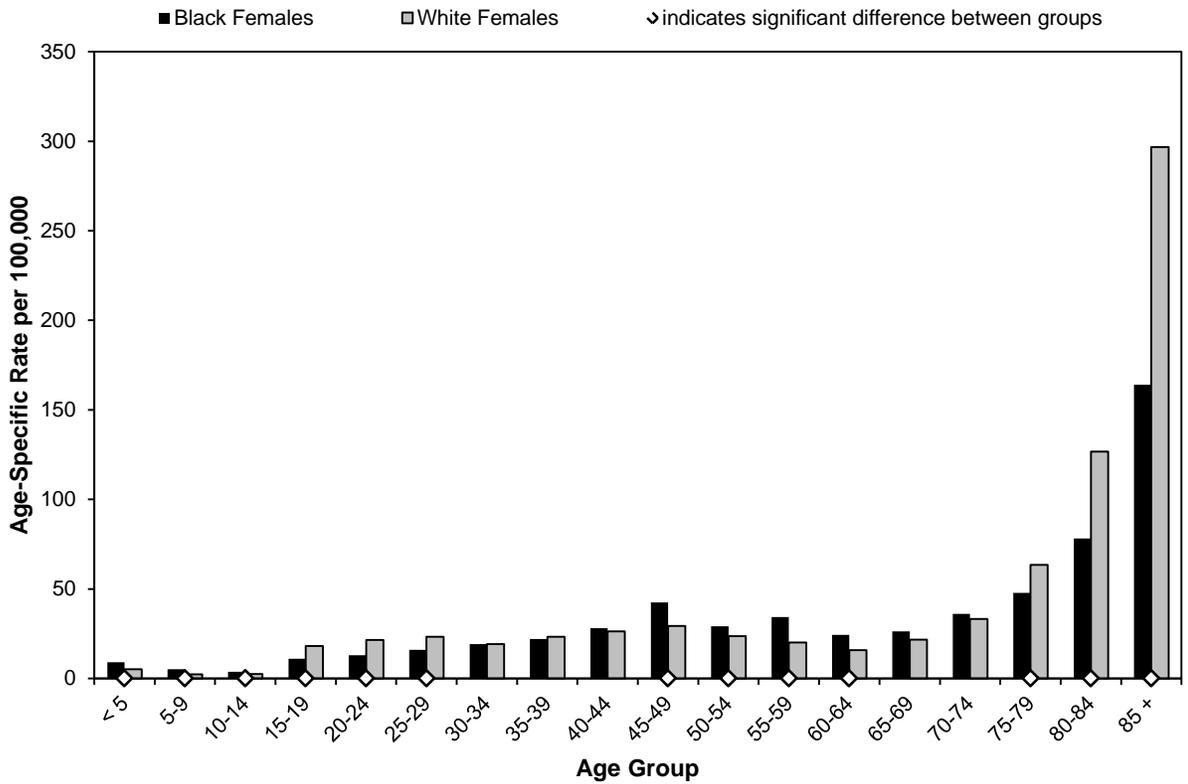
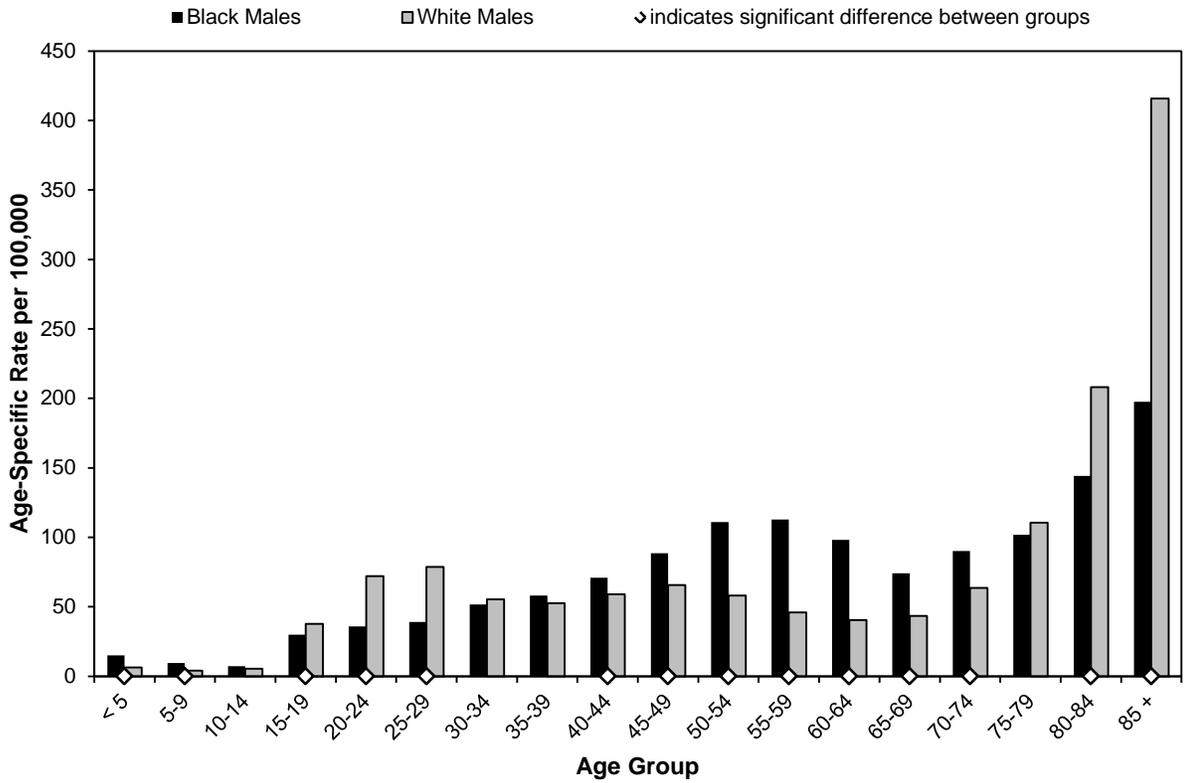
INJURY DEATH: ALL UNINTENTIONAL

AGE-SPECIFIC DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: ALL UNINTENTIONAL

AGE-SPECIFIC DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: ALL UNINTENTIONAL

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	3,487	41.2	39.8-42.6	Southeast	10,052	38.1	37.4-38.9 -
Carbon	174	51.2	43.3-59 +	Berks	689	31.6	29.2-34 -
Lackawanna	516	44.2	40.2-48.1 +	Bucks	1,115	35.5	33.4-37.6 -
Lehigh	727	38.8	35.9-41.6	Chester	712	29.3	27.1-31.5 -
Luzerne	761	44.1	40.9-47.4 +	Delaware	1,112	36.8	34.6-39 -
Monroe	368	44.9	40.2-49.6 +	Lancaster	1,006	37.6	35.3-40 -
Northampton	509	31.4	28.6-34.2 -	Montgomery	1,459	33.9	32.2-35.7 -
Pike	111	38.0	30.7-45.3	Philadelphia	3,522	47.1	45.5-48.7 +
Susquehanna	113	54.1	43.7-64.4 +	Schuylkill	437	53.5	48.4-58.7 +
Wayne	136	52.3	43.2-61.4 +				
Wyoming	72	52.8	40.4-65.1 +				
North Central	1,384	37.2	35.2-39.3 -	South Central	3,507	40.2	38.8-41.5
Bradford	143	44.5	37-52	Adams	209	39.9	34.4-45.4
Centre	202	30.7	26.3-35.1 -	Bedford	138	54.6	45.2-64 +
Clinton	89	42.8	33.5-52.1	Blair	353	49.5	44.2-54.9 +
Columbia	149	44.3	36.8-51.7	Cumberland	375	29.7	26.7-32.8 -
Lycoming	232	35.0	30.4-39.6 -	Dauphin	481	35.6	32.4-38.9 -
Montour	35	37.8	24.7-50.8	Franklin	307	39.3	34.8-43.8
Northumberland	220	41.3	35.6-47.1	Fulton	43	54.4	37.7-71
Potter	46	51.8	36.1-67.5	Huntingdon	129	52.9	43.7-62.2 +
Snyder	84	41.3	32.3-50.3	Juniata	85	68.1	53.3-82.9 +
Sullivan	22	61.4	32.9-89.8	Lebanon	246	34.2	29.8-38.5 -
Tioga	82	37.4	28.9-45.9	Mifflin	107	41.1	33.1-49.2
Union	80	33.9	26.3-41.6	Perry	113	51.8	42.1-61.4 +
				York	921	41.8	39-44.5
Northwest	2,199	43.2	41.3-45 +	Southwest	6,689	43.3	42.2-44.4 +
Cameron	23	71.8	39.7-104	Allegheny	2,777	38.9	37.4-40.4
Clarion	101	46.8	37.3-56.4	Armstrong	181	48.2	40.9-55.6 +
Clearfield	230	50.3	43.6-57 +	Beaver	401	40.4	36.3-44.5
Crawford	225	47.0	40.7-53.3 +	Butler	372	38.5	34.6-42.5
Elk	76	44.0	33.6-54.3	Cambria	485	58.8	53.3-64.2 +
Erie	519	34.5	31.5-37.5 -	Fayette	414	54.3	48.9-59.8 +
Forest	23	64.1	34.4-93.7	Greene	134	63.8	52.7-74.8 +
Jefferson	126	53.9	44.2-63.6 +	Indiana	217	45.5	39.1-51.9
Lawrence	216	41.3	35.6-47.1	Somerset	231	50.4	43.6-57.2 +
McKean	91	39.1	30.9-47.4	Washington	480	41.7	37.8-45.5
Mercer	301	46.1	40.7-51.5 +	Westmoreland	997	48.9	45.8-52.1 +
Venango	149	51.1	42.6-59.6 +				
Warren	119	53.8	43.8-63.9 +	Pennsylvania	27,318	40.2	39.7-40.7

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY DEATHS: ALL UNINTENTIONAL

TOTAL NUMBER OF DEATHS AND AGE-SPECIFIC DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	17,146	10,172	27,318	2,288	14.2	5,047	42.5	5,791	44.4	4,293	35.7	9,899	103.2
Northeast	2,205	1,282	3,487	354	17.9	675	47.2	767	46.8	477	30.6	1,214	96.8
Carbon	112	62	174	16	22.7	39	65.7	44	65.7	25	37.5	50	91.0
Lackawanna	313	203	516	30	11.9	114	57.6	114	54.6	74	36.2	184	97.8
Lehigh	425	302	727	50	11.2	108	33.6	127	35.9	96	29.5	346	134.3
Luzerne	497	264	761	49	13.6	169	58.7	185	56.7	111	35.7	247	86.6
Monroe	242	126	368	51	21.9	74	50.5	92	49.2	59	36.0	92	91.4
Northampton	325	184	509	72	18.3	71	25.9	110	35.8	53	18.7	203	92.6
Pike	72	39	111	27	38.0	20	44.1	30	45.4	19	28.4	15	33.3
Susquehanna	84	29	113	22	44.0	29	85.7	23	54.9	9	NSR	30	86.3
Wayne	85	51	136	29	51.9	28	67.4	28	52.4	19	31.5	32	67.0
Wyoming	50	22	72	8	NSR	23	98.5	14	49.0	12	41.7	15	71.0
Southeast	6,464	3,588	10,052	627	9.3	1,923	38.9	2,313	43.8	1,716	37.7	3,473	100.7
Berks	449	240	689	43	7.6	112	30.1	112	26.1	110	29.7	312	108.2
Bucks	692	423	1,115	66	8.2	235	45.4	245	33.9	155	24.3	414	95.3
Chester	440	272	712	60	8.7	150	33.9	135	24.3	116	25.0	251	82.4
Delaware	722	390	1,112	46	6.1	217	40.6	230	39.6	187	35.9	432	109.3
Lancaster	647	359	1,006	99	13.8	176	36.8	192	38.0	135	29.9	404	109.1
Montgomery	870	589	1,459	70	7.0	244	34.9	280	32.0	164	21.9	701	120.4
Philadelphia	2,373	1,149	3,522	205	9.9	709	40.3	1,014	70.3	779	64.4	815	86.8
Schuylkill	271	166	437	38	23.5	80	60.1	105	64.0	70	48.7	144	107.2

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	17,146	10,172	27,318	2,288	14.2	5,047	42.5	5,791	44.4	4,293	35.7	9,899	103.2
North Central	866	518	1,384	181	20.9	252	34.6	248	37.6	218	34.5	485	90.4
Bradford	93	50	143	12	15.2	33	64.7	30	47.1	22	35.2	46	87.0
Centre	121	81	202	16	8.4	40	17.7	40	32.4	34	31.3	72	87.7
Clinton	56	33	89	16	31.8	15	40.7	20	57.9	11	31.8	27	86.4
Columbia	98	51	149	20	23.5	34	48.9	27	45.5	15	24.9	53	99.9
Lycoming	139	93	232	18	12.6	36	32.2	42	35.6	42	36.5	94	97.8
Montour	24	11	35	10	45.5	7	NSR	6	NSR	12	63.6	0	NSR
Northumberland	138	82	220	31	29.1	29	38.0	36	37.4	39	41.2	85	99.1
Potter	30	16	46	16	72.0	8	NSR	5	NSR	6	NSR	11	69.9
Snyder	48	36	84	15	28.9	14	35.4	12	31.8	8	NSR	35	125.3
Sullivan	13	9	22	5	NSR	3	NSR	6	NSR	8	NSR	0	NSR
Tioga	51	31	82	15	27.0	16	45.0	14	37.5	12	29.6	25	68.8
Union	55	25	80	7	NSR	17	33.3	10	20.6	9	NSR	37	117.4
South Central	2,169	1,338	3,507	383	18.2	630	41.8	658	37.8	483	30.1	1,353	108.6
Adams	145	64	209	39	29.0	40	43.2	47	43.5	17	17.4	66	89.3
Bedford	90	48	138	19	31.3	27	66.1	30	57.4	17	33.7	45	101.1
Blair	217	136	353	20	12.8	64	56.9	59	46.9	47	37.2	163	148.3
Cumberland	236	139	375	34	11.7	75	32.4	72	30.6	51	23.4	143	80.8
Dauphin	300	181	481	42	12.5	94	39.9	92	32.4	84	32.1	169	95.0
Franklin	183	124	307	53	27.8	50	38.5	53	36.9	29	21.3	122	101.9
Fulton	24	19	43	10	54.3	10	76.0	5	NSR	11	74.1	7	NSR
Huntingdon	73	56	129	23	43.7	29	63.8	13	26.5	17	38.0	47	129.8
Juniata	60	25	85	14	45.3	16	79.7	14	58.6	10	43.7	31	156.4
Lebanon	144	102	246	33	20.2	34	27.8	52	40.3	28	22.5	99	91.3
Mifflin	64	43	107	18	29.8	12	31.3	16	34.5	18	40.4	43	102.4
Perry	73	40	113	13	21.5	22	55.1	38	76.8	13	27.4	27	91.4
York	560	361	921	65	11.7	157	40.7	167	34.9	141	34.0	391	133.0

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	17,146	10,172	27,318	2,288	14.2	5,047	42.5	5,791	44.4	4,293	35.7	9,899	103.2
Northwest	1,362	837	2,199	251	21.4	407	48.3	435	46.4	349	38.3	757	97.9
Cameron	15	8	23	8	NSR	3	NSR	7	NSR	5	NSR	0	NSR
Clarion	74	27	101	19	36.5	13	33.1	24	64.8	14	37.0	31	92.2
Clearfield	146	84	230	17	18.8	48	64.7	43	47.2	36	43.6	86	118.8
Crawford	146	79	225	17	14.5	42	54.0	42	48.3	41	45.8	83	115.1
Elk	53	23	76	17	44.3	16	65.3	13	36.2	11	33.1	19	63.2
Erie	322	197	519	35	9.4	93	32.8	103	36.8	91	35.1	197	97.6
Forest	14	9	23	5	NSR	4	NSR	4	NSR	10	154.2	0	NSR
Jefferson	76	50	126	21	38.2	29	75.3	22	48.2	18	39.4	36	87.7
Lawrence	115	101	216	13	11.5	32	42.5	41	45.3	44	48.3	86	102.0
McKean	59	32	91	14	25.9	24	61.2	21	45.1	10	24.2	22	59.7
Mercer	172	129	301	35	23.4	53	53.2	73	63.2	33	28.7	107	102.1
Venango	92	57	149	23	34.0	31	69.7	23	41.8	19	32.3	53	110.7
Warren	78	41	119	27	55.1	19	58.8	19	45.0	17	37.8	37	98.7
Southwest	4,080	2,609	6,689	492	15.2	1,160	47.9	1,370	49.0	1,050	38.1	2,617	112.2
Allegheny	1,688	1,089	2,777	112	7.7	430	37.7	555	44.4	523	43.0	1,157	112.6
Armstrong	112	69	181	13	15.5	32	60.2	37	51.4	23	31.8	76	119.8
Beaver	244	157	401	25	12.4	74	51.8	65	36.3	73	40.1	164	103.7
Butler	217	155	372	27	11.1	78	49.0	70	35.0	58	32.2	139	102.9
Cambria	307	178	485	31	18.7	89	70.1	113	77.4	69	46.1	183	135.0
Fayette	262	152	414	25	15.0	92	76.8	98	65.5	56	36.9	143	114.1
Greene	75	59	134	21	46.6	32	82.6	23	54.3	25	60.5	33	111.0
Indiana	145	72	217	27	23.6	36	38.8	35	43.9	34	40.9	85	122.3
Somerset	152	79	231	33	39.0	37	53.4	34	40.8	26	32.9	101	139.6
Washington	291	189	480	56	22.6	88	48.3	110	52.2	46	21.5	180	100.6
Westmoreland	587	410	997	122	29.5	172	58.2	230	60.1	117	30.1	356	105.8

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: ALL UNINTENTIONAL

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	376	48.9	43.9-53.9	Allegheny	2,368	38.2	36.6-39.8	Berks	51	20.8	13.9-27.7
Chester	55	38.6	28.1-49	Chester	625	28.6	26.3-30.9	Lancaster	43	26.3	16.8-35.9
Dauphin	80	37.1	28.8-45.4	Dauphin	376	34.3	30.7-37.8	Lehigh	61	37.9	25.4-50.4
Delaware	130	28.4	23.4-33.4	Delaware	959	40.5	37.8-43.1	Philadelphia	309	45.2	39.6-50.8
Montgomery	105	31.5	25.4-37.6	Montgomery	1,303	34.8	32.8-36.7				
Philadelphia	1,413	44.0	41.7-46.3	Philadelphia	1,726	46.8	44.5-49				
Pennsylvania	2,530	40.3	38.7-41.9	Pennsylvania	23,803	40.0	39.5-40.6	Pennsylvania	727	29.0	26.6-31.5

NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
Allegheny	White	82.7%	1,430	938	2,368	85.3%	80	7.3	357	39.5	451	42.9	406	38.2	1,074	116.2
	Black	13.4%	238	138	376	13.5%	30	10.9	63	36.6	97	63.5	109	85.0	77	85.6
Chester	White	88.7%	380	245	625	87.8%	51	8.6	113	29.7	119	24.1	104	24.3	238	84.2
	Black	6.2%	38	17	55	7.7%	4	NSR	20	57.4	11	37.1	9	NSR	11	70.8
Dauphin	White	76.3%	233	143	376	78.2%	24	10.7	68	39.5	62	28.2	69	31.9	153	99.0
	Black	17.9%	46	34	80	16.6%	17	21.3	19	40.4	20	41.2	11	30.0	13	65.8
Delaware	White	75.0%	614	345	959	86.2%	33	6.4	189	51.4	192	44.5	150	35.2	395	114.5
	Black	18.9%	90	40	130	11.7%	13	7.4	20	15.6	34	31.0	32	44.9	31	78.3
Montgomery	White	83.7%	768	535	1,303	89.3%	51	6.3	215	38.6	232	32.1	137	20.9	668	125.9
	Black	8.7%	68	37	105	7.2%	12	12.1	16	21.1	39	48.9	19	34.3	19	59.4
Philadelphia	White	45.6%	1,133	593	1,726	49.0%	48	6.2	394	47.9	491	74.7	323	54.6	470	87.3
	Black	45.3%	945	468	1,413	40.1%	119	11.0	206	28.0	403	61.3	393	74.1	292	81.5
Pennsylvania	White	84.9%	14,735	9,068	23,803	87.1%	1,445	11.2	4,397	45.5	4,782	42.9	3,654	34.2	9,525	108.4
	Black	10.7%	1,692	838	2,530	9.3%	258	11.8	439	28.5	684	50.5	649	64.6	500	77.8

INJURY DEATHS: SUICIDES

In 2010, among Pennsylvania residents, there were 1,547 deaths due to self-inflicted injury (suicides). On average, one resident died every six hours.

Injury Definition

Suicide includes any fatal injury event involving deliberate self-harm.

Leading mechanisms of suicide include firearms, hanging and self-poisoning. These mechanisms account for over 90 percent of all suicides.

Note that this definition does not include attempted suicides or cases in which a suicide plan was made but never followed through.

HIGHLIGHTS

- *Age-adjusted rates have generally been **increasing** over 2006 to 2010.*
- *The most common demographic is **white males**, ages 20 to 59.*
- *Of all Pennsylvania counties, **Fulton and Potter** show the highest rates.*

Trends Over Time

- Age-adjusted death rates for suicide increased by 9 percent from 2006 to 2010.
- The age-adjusted suicide rate increased from 2006 to 2009 from 10.7 to 12.1 deaths per 100,000 population. The rate then decreased to 11.7 deaths per 100,000 population in 2010.
- Males showed significantly higher age-adjusted suicide rates than females over 2006 to 2010 (rates were 19.0 and 4.8 deaths per 100,000, respectively, in 2010).
- White males showed significantly higher age-adjusted suicide rates than black males over 2006 to 2010 (rates were 20.6 and 9.3 deaths per 100,000, respectively, in 2010).

Demographic Trends

- White males ages 20 to 59 accounted for over half of all suicides in 2006 to 2010.
- Males showed significantly higher suicide rates than females for all age groups.
- Among males, whites showed significantly higher suicide rates for all age groups.
- Urban and rural populations showed similar suicide rates for all age groups.

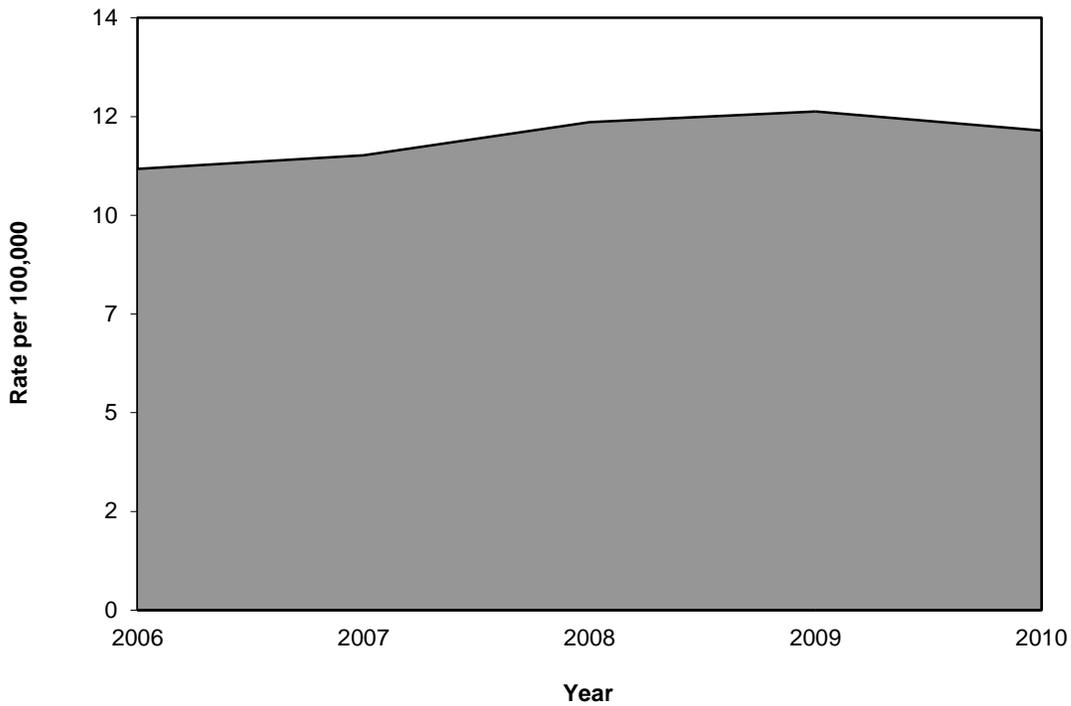
Regional Trends

- The Northwest and Northeast Health Districts showed the highest age-adjusted suicide rates, while the Southeast Health District showed the lowest rate.
- Eight counties showed age-adjusted suicide rates in 2006 to 2010 that were significantly higher than the comparable state rate: Cambria, Carbon, Fulton, Lackawanna, Luzerne, Schuylkill, Potter, and York. Six of the counties were rural.

INJURY DEATHS: SUICIDES

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	1,372	10.7
2007	1,416	11.1
2008	1,522	11.9
2009	1,601	12.1
2010	1,547	11.7



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	11.8	13.1	12.3	10.7	9.4	11.2
2007	12.4	12.7	12.6	10.7	10.1	11.4
2008	10.9	13.1	13.2	12.3	11.3	11.8
2009	13.2	12.5	12.4	13.7	11.2	12.4
2010	12.2	12.2	13.4	12.7	11.3	10.8

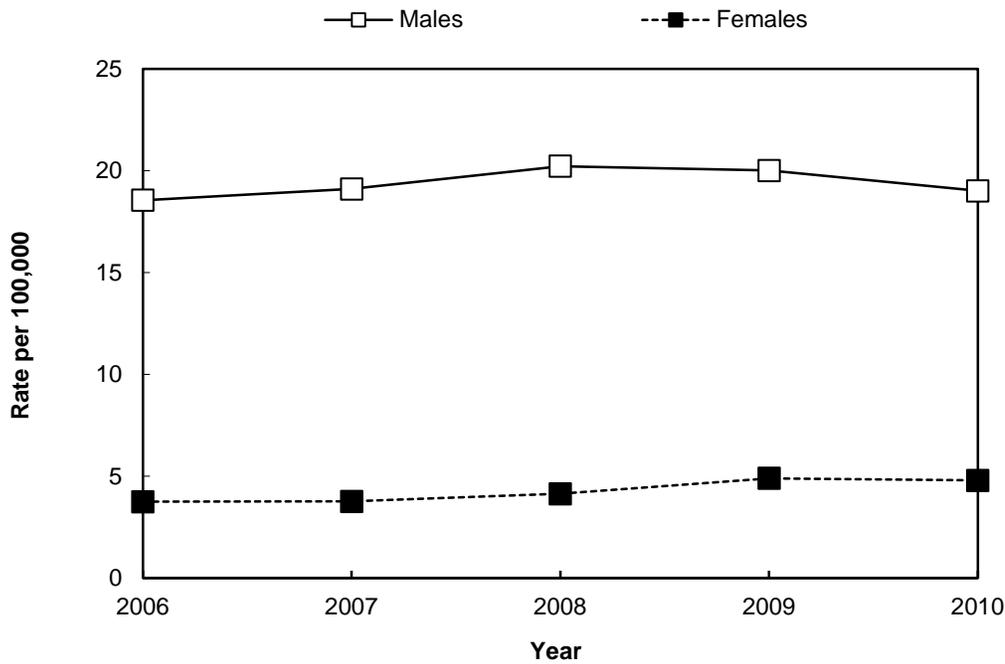
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.
See Technical Notes.

INJURY DEATHS: SUICIDES

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	1,134	18.6 *	2006	238	3.7
2007	1,166	19.1 *	2007	250	3.8
2008	1,249	20.2 *	2008	273	4.1
2009	1,271	20.0 *	2009	330	4.9
2010	1,226	19.0 *	2010	321	4.8

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	18.0	20.0	2006	3.5	4.4
2007	18.2	21.4 *	2007	4.0	3.1
2008	19.6	21.7	2008	4.0	4.5
2009	19.2	22.4 *	2009	4.5	6.0 *
2010	18.2	21.2 *	2010	4.9	4.4

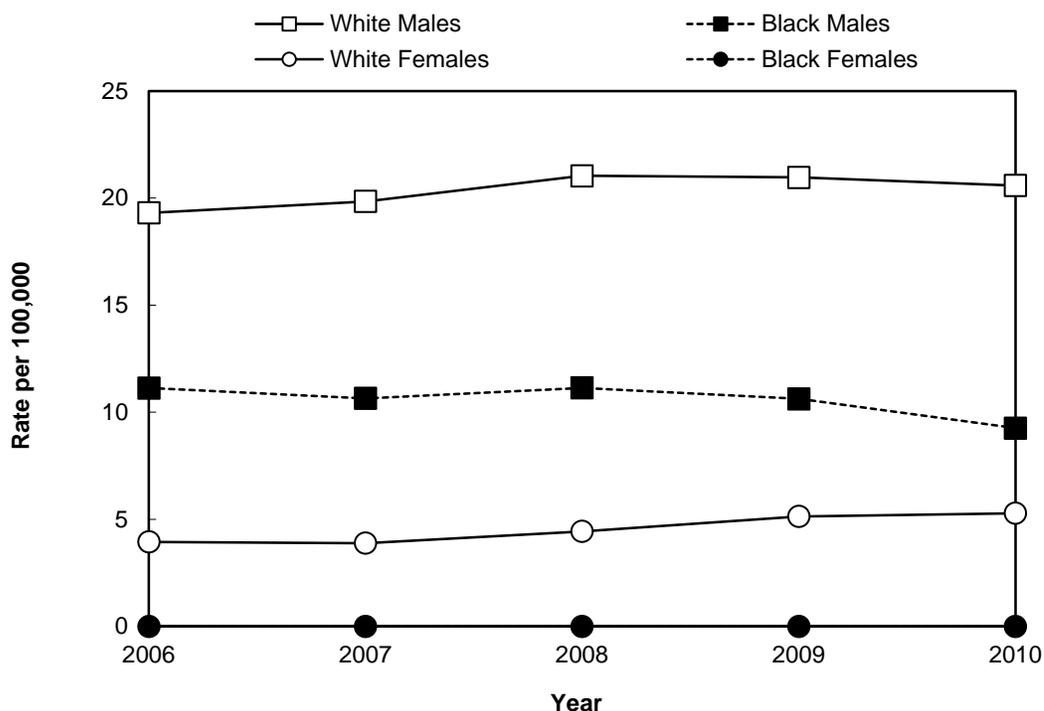
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY DEATHS: SUICIDES

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	1,035	68	217	10	20	6
2007	1,059	62	225	14	32	6
2008	1,137	67	253	12	36	5
2009	1,163	69	300	16	26	3
2010	1,114	61	294	15	27	3



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	19.3	11.1 *	4.0	NSR	8.8	NSR
2007	19.8	10.6 *	3.9	NSR	11.9	NSR
2008	21.0	11.1 *	4.4	NSR	14.0	NSR
2009	21.0	10.6 *	5.1	NSR	10.7	NSR
2010	20.6	9.3 *	5.3	NSR	9.0	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY DEATH: SUICIDES

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
TOTAL	7,458	11.9	6,046	19.9	1,412	4.4	5,193	11.4	2,265	13.2	
< 5	1	NSR	1	NSR	0	NSR	1	NSR	0	NSR	
5-9	1	NSR	1	NSR	0	NSR	1	NSR	0	NSR	
10-14	57	1.4	41	2.0	16	0.8	36	1.2	21	2.0	*
15-19	286	6.2	225	9.6	61	2.7	199	6.0	87	6.7	
20-24	575	13.0	498	22.2	77	3.5	419	13.2	156	12.6	
25-29	521	14.0	430	22.6	91	5.0	362	12.9	159	17.0	*
30-34	503	13.5	408	21.8	95	5.1	338	12.3	165	16.9	*
35-39	614	15.3	490	24.6	124	6.2	423	14.4	191	17.8	*
40-44	768	17.5	617	28.3	151	6.8	536	16.7	232	19.6	
45-49	880	19.0	698	30.5	182	7.7	607	18.0	273	21.6	*
50-54	915	20.2	717	32.2	198	8.6	659	20.1	256	20.3	
55-59	696	17.1	544	27.6	152	7.3	489	16.8	207	17.9	
60-64	469	13.8	370	22.8	99	5.6	337	14.0	132	13.2	
65-69	284	10.6	243	19.7	41	2.8	188	10.1	96	11.8	*
70-74	250	11.3	212	21.8	38	3.1	156	10.1	94	14.0	*
75-79	255	13.7	216	28.2	39	3.5	176	13.4	79	14.3	
80-84	208	14.4	182	33.2	26	2.9	140	13.6	68	16.3	*
85 +	175	12.6	153	36.4	22	2.3	126	12.6	49	12.5	

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: SUICIDES

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
TOTAL	5,508	21.3	327	10.2	1,289	4.7	67	1.9	164	5.4	
< 5	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	
5-9	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	
10-14	31	1.9	7	NSR	9	NSR	6	NSR	3	NSR	
15-19	194	10.2	21	6.7	*	46	2.5	9	NSR	11	3.7
20-24	410	22.5	58	19.5	*	62	3.5	7	NSR	19	7.0
25-29	363	23.5	34	13.7	*	76	5.1	8	NSR	23	9.1
30-34	362	23.5	29	13.3	*	81	5.4	8	NSR	18	7.6
35-39	434	25.8	33	15.6	*	110	6.6	9	NSR	18	7.9
40-44	556	29.7	34	15.8	*	145	7.7	2	NSR	22	10.8
45-49	645	32.2	36	17.1	*	173	8.5	4	NSR	11	6.3
50-54	675	34.2	25	13.5	*	187	9.3	6	NSR	15	11.4
55-59	519	29.3	15	10.1	*	151	8.2	0	NSR	8	NSR
60-64	348	23.6	11	9.8	*	95	6.0	4	NSR	8	NSR
65-69	233	20.7	8	NSR		37	2.8	2	NSR	1	NSR
70-74	202	22.6	4	NSR		36	3.2	2	NSR	4	NSR
75-79	208	29.3	6	NSR		35	3.5	0	NSR	0	NSR
80-84	177	34.7	4	NSR		24	2.9	0	NSR	2	NSR
85 +	151	38.7	1	NSR		22	2.5	0	NSR	0	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY DEATHS: SUICIDES

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
TOTAL	617	13.3	411	12.0	1,036	13.2	1,626	12.0	1,027	12.5	2,741	11.0						
< 5	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR						
5-9	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR						
10-14	3	NSR	3	NSR	10	2.0	11	1.4	8	NSR	22	1.3						
15-19	24	6.9	21	6.7	39	6.7	57	6.0	47	8.2	+	98	5.3	-				
20-24	40	12.6	19	5.3	-	92	17.2	+	124	13.9		229	12.8					
25-29	41	15.7	28	15.5		84	18.9	+	107	14.1		58	11.9	-	203	12.7		
30-34	40	15.0	29	15.4		69	15.3		119	15.5		69	14.0		177	11.4	-	
35-39	57	20.0	+	42	20.7	+	87	17.5	+	144	17.2		79	14.7		205	12.4	-
40-44	59	18.8		41	18.5		97	17.5		161	17.2		114	19.4		296	16.6	
45-49	57	16.8		55	23.4	+	111	18.9		207	20.3		122	19.8		328	17.8	
50-54	80	23.6	+	43	18.4		131	22.7		185	17.9		111	18.6		365	20.8	
55-59	51	16.5		34	15.9		93	17.8		149	15.9		107	19.6		262	17.1	
60-64	48	18.2	+	22	11.9		67	14.7		92	11.7	-	62	13.5		178	14.2	
65-69	24	11.2		16	10.4		34	9.4		64	10.4		52	14.1	+	94	9.7	
70-74	35	19.3	+	15	11.8		28	9.6		50	9.5	-	42	14.2	+	80	10.1	
75-79	24	15.7		18	17.3		41	17.0	+	63	13.7		31	12.8		78	11.7	-
80-84	21	17.9		14	17.9		27	14.6		52	13.9		27	15.3		67	13.0	
85 +	13	11.9		11	15.1		26	14.8		41	11.4		27	16.5	+	57	11.2	

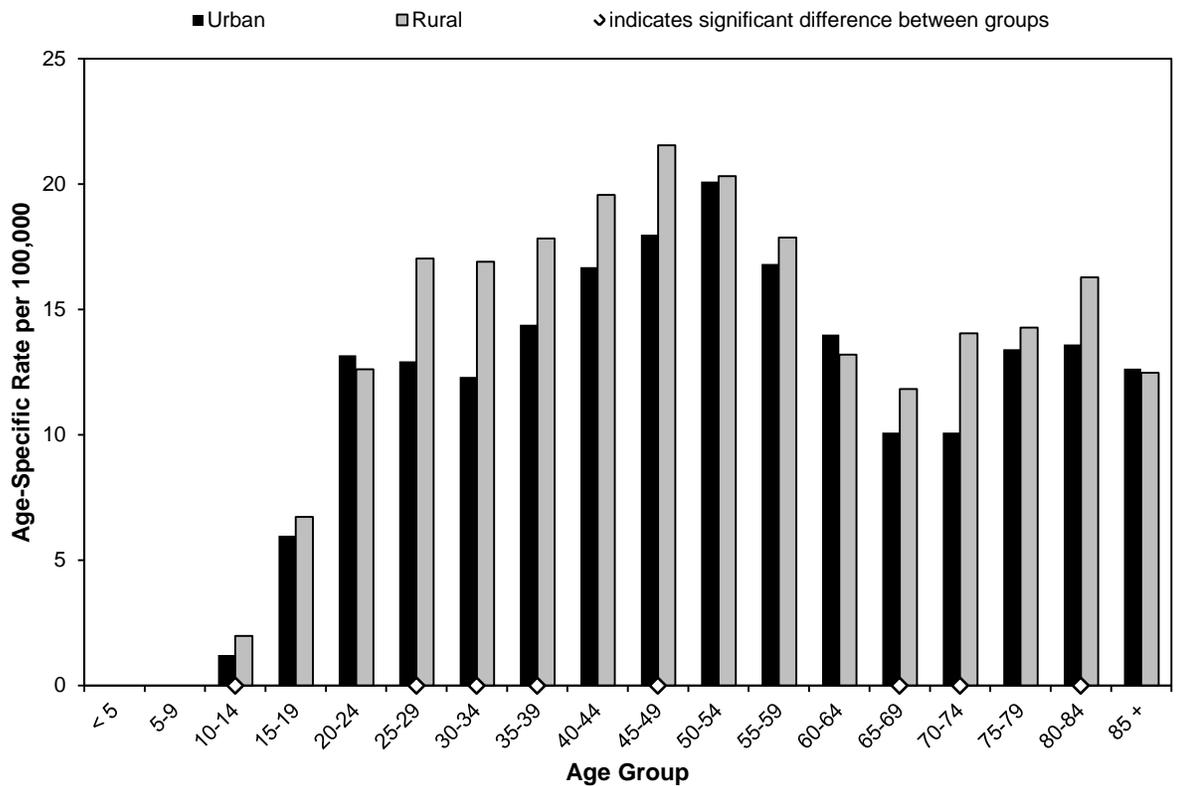
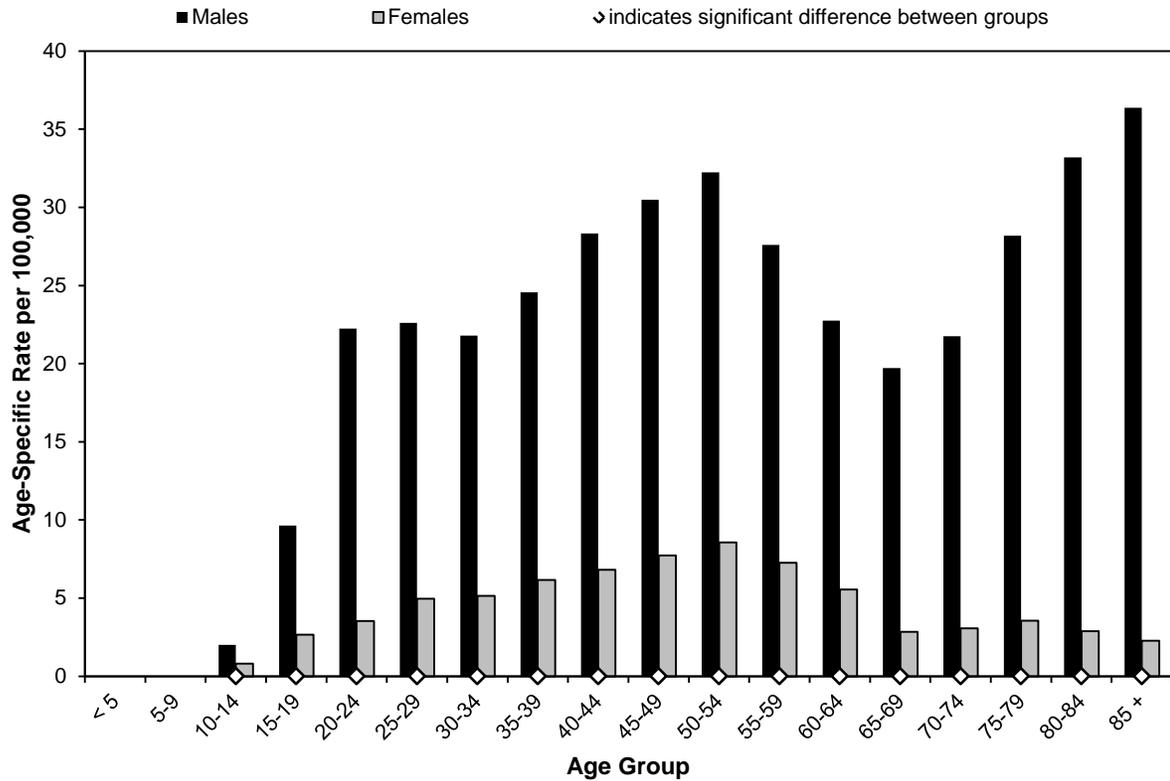
+/- denotes that the district's rate is significantly higher or lower than the state at the $p = .05$ level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

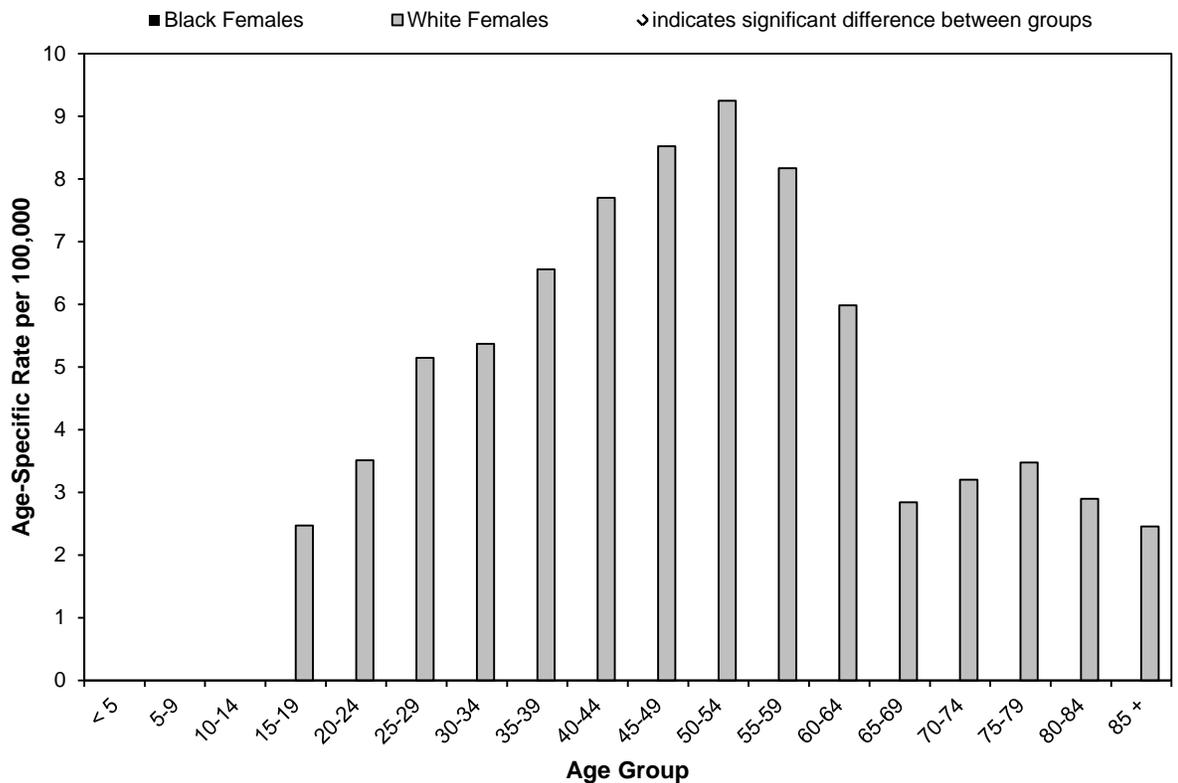
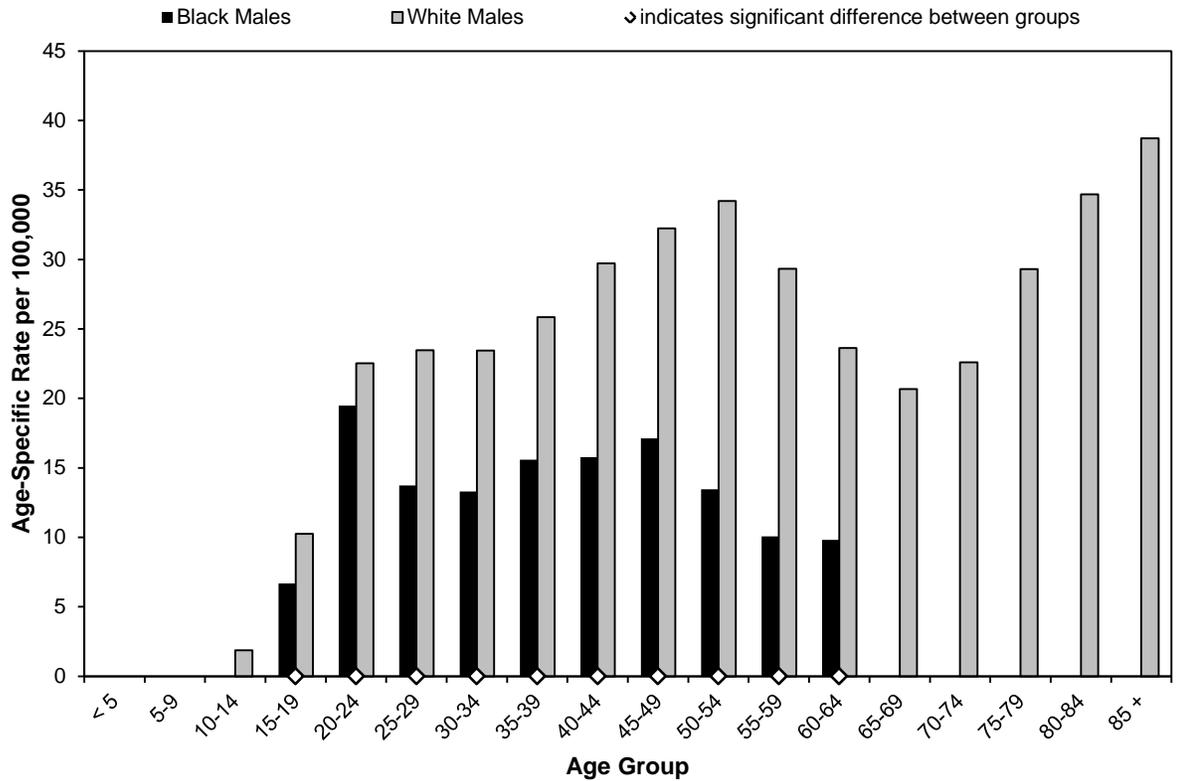
INJURY DEATH: SUICIDES

AGE-SPECIFIC DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: SUICIDES

AGE-SPECIFIC DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: SUICIDES

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	1,036	12.7	11.9-13.5 +	Southeast	2,741	10.7	10.3-11.1 -
Carbon	64	18.1	13.5-22.7 +	Berks	253	12.1	10.6-13.6
Lackawanna	156	14.3	12-16.6 +	Bucks	388	11.9	10.7-13.1
Lehigh	199	11.1	9.5-12.7	Chester	249	9.8	8.6-11 -
Luzerne	226	14.3	12.4-16.2 +	Delaware	350	12.1	10.8-13.4
Monroe	106	12.3	9.9-14.7	Lancaster	211	8.2	7.1-9.4 -
Northampton	162	10.5	8.9-12.2	Montgomery	439	10.7	9.7-11.7
Pike	36	11.6	7.7-15.6	Philadelphia	738	10.0	9.3-10.8 -
Susquehanna	24	12.1	7.1-17.2	Schuylkill	113	15.0	12.2-17.8 +
Wayne	45	16.2	11.2-21.1				
Wyoming	18	NSR					
North Central	411	12.1	10.9-13.3	South Central	1,027	12.0	11.3-12.8
Bradford	51	16.0	11.5-20.5	Adams	54	10.6	7.7-13.5
Centre	64	9.8	7.3-12.3	Bedford	34	13.1	8.6-17.6
Clinton	20	12.5	6.9-18.1	Blair	75	12.2	9.3-15
Columbia	46	14.6	10.3-19	Cumberland	144	11.7	9.8-13.7
Lycoming	69	11.8	9-14.7	Dauphin	141	10.3	8.6-12
Montour	14	NSR		Franklin	88	11.9	9.3-14.4
Northumberland	52	11.2	8.1-14.3	Fulton	21	24.9	14.1-35.8 +
Potter	20	24.8	13.5-36 +	Huntingdon	30	12.2	7.8-16.7
Snyder	18	NSR		Juniata	11	NSR	
Sullivan	6	NSR		Lebanon	71	10.6	8.1-13.2
Tioga	33	16.1	10.4-21.8	Mifflin	34	15.5	10.2-20.8
Union	18	NSR		Perry	34	15.0	9.9-20.2
				York	290	13.2	11.6-14.7 +
Northwest	617	12.8	11.7-13.8 +	Southwest	1,626	11.5	10.9-12.1
Cameron	8	NSR		Allegheny	668	10.5	9.7-11.3 -
Clarion	27	13.7	8.3-19	Armstrong	47	13.2	9.3-17.1
Clearfield	64	14.0	10.5-17.5	Beaver	112	12.2	9.9-14.6
Crawford	70	15.1	11.5-18.7	Butler	109	11.4	9.3-13.6
Elk	25	13.8	8.2-19.4	Cambria	110	14.5	11.7-17.3 +
Erie	173	12.1	10.3-13.9	Fayette	79	10.6	8.2-13
Forest	3	NSR		Greene	27	13.0	8-18
Jefferson	39	15.8	10.7-20.9	Indiana	62	14.7	10.8-18.5
Lawrence	54	12.1	8.8-15.4	Somerset	50	11.9	8.5-15.2
McKean	24	10.8	6.4-15.2	Washington	139	13.2	11-15.5
Mercer	77	12.8	9.8-15.8	Westmoreland	223	11.8	10.2-13.4
Venango	31	10.9	6.9-14.9				
Warren	22	10.9	6.2-15.6	Pennsylvania	7,458	11.5	11.2-11.8

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY DEATHS: SUICIDES

TOTAL NUMBER OF DEATHS AND AGE-SPECIFIC DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	6,046	1,412	7,458	1,519	9.4	1,944	16.4	2,395	18.4	1,032	8.6	568	5.9
Northeast	832	204	1,036	241	12.2	260	18.2	325	19.8	126	8.1	84	6.7
Carbon	54	10	64	16	22.7	9	NSR	27	40.3	8	NSR	4	NSR
Lackawanna	125	31	156	40	15.8	34	17.2	51	24.4	15	7.3	16	8.5
Lehigh	152	47	199	38	8.5	40	12.4	72	20.4	34	10.5	15	5.8
Luzerne	181	45	226	55	15.2	72	25.0	68	20.8	18	5.8	13	4.6
Monroe	84	22	106	21	9.0	27	18.4	32	17.1	20	12.2	6	NSR
Northampton	127	35	162	31	7.9	39	14.2	45	14.7	18	6.4	29	13.2
Pike	34	2	36	8	NSR	9	NSR	13	19.7	5	NSR	1	NSR
Susquehanna	19	5	24	7	NSR	9	NSR	7	NSR	1	NSR	0	NSR
Wayne	40	5	45	17	30.4	16	38.5	7	NSR	5	NSR	0	NSR
Wyoming	16	2	18	8	NSR	5	NSR	3	NSR	2	NSR	0	NSR
Southeast	2,184	557	2,741	461	6.8	652	13.2	976	18.5	422	9.3	230	6.7
Berks	209	44	253	46	8.1	53	14.2	79	18.4	41	11.1	34	11.8
Bucks	312	76	388	80	10.0	82	15.8	138	19.1	64	10.0	24	5.5
Chester	198	51	249	49	7.1	58	13.1	92	16.6	31	6.7	19	6.2
Delaware	274	76	350	48	6.4	70	13.1	134	23.1	62	11.9	36	9.1
Lancaster	175	36	211	43	6.0	49	10.2	68	13.4	35	7.7	16	4.3
Montgomery	320	119	439	68	6.8	120	17.2	157	17.9	59	7.9	35	6.0
Philadelphia	597	141	738	104	5.0	186	10.6	266	18.4	121	10.0	61	6.5
Schuylkill	99	14	113	23	14.2	34	25.5	42	25.6	9	NSR	5	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	6,046	1,412	7,458	1,519	9.4	1,944	16.4	2,395	18.4	1,032	8.6	568	5.9
North Central	338	73	411	107	12.4	137	18.8	101	15.3	49	7.8	17	3.2
Bradford	44	7	51	10	12.7	12	23.5	14	22.0	10	16.0	5	NSR
Centre	55	9	64	18	9.4	18	8.0	20	16.2	4	NSR	4	NSR
Clinton	17	3	20	9	NSR	9	NSR	2	NSR	0	NSR	0	NSR
Columbia	39	7	46	7	NSR	18	25.9	10	16.8	10	16.6	1	NSR
Lycoming	48	21	69	18	12.6	28	25.1	16	13.6	4	NSR	3	NSR
Montour	12	2	14	5	NSR	7	NSR	2	NSR	0	NSR	0	NSR
Northumberland	45	7	52	10	9.4	15	19.6	15	15.6	8	NSR	4	NSR
Potter	15	5	20	9	NSR	4	NSR	3	NSR	4	NSR	0	NSR
Snyder	17	1	18	5	NSR	6	NSR	5	NSR	2	NSR	0	NSR
Sullivan	5	1	6	5	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Tioga	25	8	33	5	NSR	12	33.8	10	26.8	6	NSR	0	NSR
Union	16	2	18	6	NSR	7	NSR	4	NSR	1	NSR	0	NSR
South Central	827	200	1,027	231	11.0	266	17.6	316	18.2	144	9.0	70	5.6
Adams	44	10	54	14	10.4	19	20.5	12	11.1	7	NSR	2	NSR
Bedford	24	10	34	8	NSR	11	26.9	6	NSR	7	NSR	2	NSR
Blair	57	18	75	21	13.5	29	25.8	18	14.3	6	NSR	1	NSR
Cumberland	112	32	144	30	10.3	28	12.1	49	20.8	25	11.5	12	6.8
Dauphin	111	30	141	26	7.8	29	12.3	53	18.7	18	6.9	15	8.4
Franklin	71	17	88	18	9.5	19	14.6	29	20.2	17	12.5	5	NSR
Fulton	16	5	21	15	81.5	5	NSR	1	NSR	0	NSR	0	NSR
Huntingdon	27	3	30	7	NSR	9	NSR	10	20.4	4	NSR	0	NSR
Juniata	9	2	11	7	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Lebanon	59	12	71	16	9.8	20	16.3	25	19.4	5	NSR	5	NSR
Mifflin	29	5	34	10	16.5	9	NSR	11	23.7	4	NSR	0	NSR
Perry	27	7	34	10	16.5	10	25.0	6	NSR	7	NSR	1	NSR
York	241	49	290	49	8.9	75	19.4	95	19.9	44	10.6	27	9.2

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	6,046	1,412	7,458	1,519	9.4	1,944	16.4	2,395	18.4	1,032	8.6	568	5.9
Northwest	526	91	617	150	12.8	185	21.9	167	17.8	85	9.3	30	3.9
Cameron	6	2	8	5	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Clarion	23	4	27	7	NSR	14	35.7	4	NSR	2	NSR	0	NSR
Clearfield	57	7	64	10	11.1	17	22.9	19	20.8	14	16.9	4	NSR
Crawford	62	8	70	13	11.1	21	27.0	18	20.7	15	16.8	3	NSR
Elk	23	2	25	5	NSR	10	40.8	8	NSR	2	NSR	0	NSR
Erie	147	26	173	35	9.4	45	15.8	52	18.6	26	10.0	15	7.4
Forest	3	0	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	38	1	39	12	21.8	12	31.1	8	NSR	7	NSR	0	NSR
Lawrence	46	8	54	20	17.7	14	18.6	12	13.3	4	NSR	4	NSR
McKean	21	3	24	11	20.4	7	NSR	6	NSR	0	NSR	0	NSR
Mercer	58	19	77	14	9.3	26	26.1	28	24.3	6	NSR	3	NSR
Venango	25	6	31	6	NSR	9	NSR	8	NSR	7	NSR	1	NSR
Warren	17	5	22	9	NSR	7	NSR	4	NSR	2	NSR	0	NSR
Southwest	1,339	287	1,626	329	10.2	444	18.3	510	18.2	206	7.5	137	5.9
Allegheny	542	126	668	123	8.4	175	15.3	226	18.1	79	6.5	65	6.3
Armstrong	40	7	47	11	13.1	22	41.4	5	NSR	6	NSR	3	NSR
Beaver	98	14	112	29	14.4	30	21.0	29	16.2	15	8.2	9	NSR
Butler	85	24	109	23	9.5	23	14.4	35	17.5	14	7.8	14	10.4
Cambria	90	20	110	24	14.5	25	19.7	37	25.3	19	12.7	5	NSR
Fayette	69	10	79	22	13.2	24	20.0	16	10.7	10	6.6	7	NSR
Greene	22	5	27	10	22.2	12	31.0	5	NSR	0	NSR	0	NSR
Indiana	52	10	62	20	17.5	12	12.9	19	23.8	7	NSR	4	NSR
Somerset	43	7	50	13	15.4	14	20.2	15	18.0	8	NSR	0	NSR
Washington	111	28	139	24	9.7	42	23.0	46	21.8	15	7.0	12	6.7
Westmoreland	187	36	223	30	7.3	65	22.0	77	20.1	33	8.5	18	5.3

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: SUICIDES

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	47	6.1	4.4-7.9	Allegheny	601	11.1	10.2-12	Berks	18	9.0	3.8-14.1
Chester	11	6.6	2.5-10.6	Chester	229	10.1	8.8-11.4	Lancaster	13	6.6	2.9-10.4
Dauphin	13	6.0	2.7-9.3	Dauphin	121	11.0	9-13.1	Lehigh	17	7.1	3.2-11
Delaware	31	5.9	3.8-8.1	Delaware	310	14.0	12.4-15.6	Philadelphia	60	8.4	6.1-10.7
Montgomery	15	4.4	2.2-6.7	Montgomery	412	11.9	10.7-13				
Philadelphia	195	6.0	5.1-6.8	Philadelphia	455	13.0	11.8-14.2				
Pennsylvania	394	5.9	5.3-6.5	Pennsylvania	6,797	12.1	11.8-12.4	Pennsylvania	164	6.2	5.1-7.2

NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
County and Race	Cty. Pop.			All Ages	Cty. Total											
Allegheny	White	82.7%	490	111	601	90.0%	17	1.5	120	13.3	184	17.5	179	16.8	101	10.9
	Black	13.4%	36	11	47	7.0%	4	NSR	16	9.3	20	13.1	5	NSR	2	NSR
Chester	White	88.7%	180	49	229	92.0%	6	NSR	47	12.4	72	14.6	74	17.3	30	10.6
	Black	6.2%	10	1	11	4.4%	1	NSR	3	NSR	2	NSR	4	NSR	1	NSR
Dauphin	White	76.3%	96	25	121	85.8%	5	NSR	22	12.8	30	13.7	41	19.0	23	14.9
	Black	17.9%	10	3	13	9.2%	1	NSR	3	NSR	7	NSR	1	NSR	1	NSR
Delaware	White	75.0%	242	68	310	88.6%	18	3.5	51	13.9	95	22.0	104	24.4	42	12.2
	Black	18.9%	25	6	31	8.9%	4	NSR	11	8.6	7	NSR	7	NSR	2	NSR
Montgomery	White	83.7%	304	108	412	93.8%	11	1.4	77	13.8	138	19.1	131	20.0	55	10.4
	Black	8.7%	10	5	15	3.4%	2	NSR	4	NSR	6	NSR	1	NSR	2	NSR
Philadelphia	White	45.6%	364	91	455	61.7%	7	NSR	91	11.1	149	22.7	149	25.2	59	11.0
	Black	45.3%	165	30	195	26.4%	21	1.9	74	10.0	60	9.1	28	5.3	12	3.3
Pennsylvania	White	84.9%	5,508	1,289	6,797	91.1%	280	2.2	1,354	14.0	2,063	18.5	1,975	18.5	1,125	12.8
	Black	10.7%	327	67	394	5.3%	44	2.0	144	9.4	118	8.7	61	6.1	27	4.2

INJURY DEATHS: HOMICIDES

In 2010, among Pennsylvania residents, there were 682 deaths due to assault injury (homicides). On average, 13 residents died every week.

Injury Definition

Homicide includes any fatal injury inflicted by another with the intent to cause harm.

Firearms are the leading mechanism of homicide, accounting for 75 percent of all homicides. Other mechanisms include cut/pierce (stabblings) and strangulation.

Note that this definition does not include deaths by legal intervention or acts of warfare.

HIGHLIGHTS

- *Age-adjusted rates have generally been **decreasing** over 2006 to 2010.*
- *The most common demographic is **black males**, ages 15 to 49.*
- *Of all Pennsylvania counties, **Philadelphia** shows the highest rate.*

Trends Over Time

- The age-adjusted homicide rate decreased 11 percent from 2006 to 2010, from 6.3 to 5.6 deaths per 100,000 population.
- Males showed significantly higher age-adjusted homicide rates than females over 2006 to 2010 (rates were 9.1 and 2.1, respectively, in 2009).
- Black males and females showed significantly higher age-adjusted homicide rates than white males and females over 2006 to 2010.

Demographic Trends

- Black males ages 15 to 49 accounted for half of all homicides in 2006 to 2010.
- Males showed significantly higher homicide rates than females among ages 15 to 79.
- Among males and females, blacks showed significantly higher homicide rates than whites for all ages for which rates could be calculated.

Regional Trends

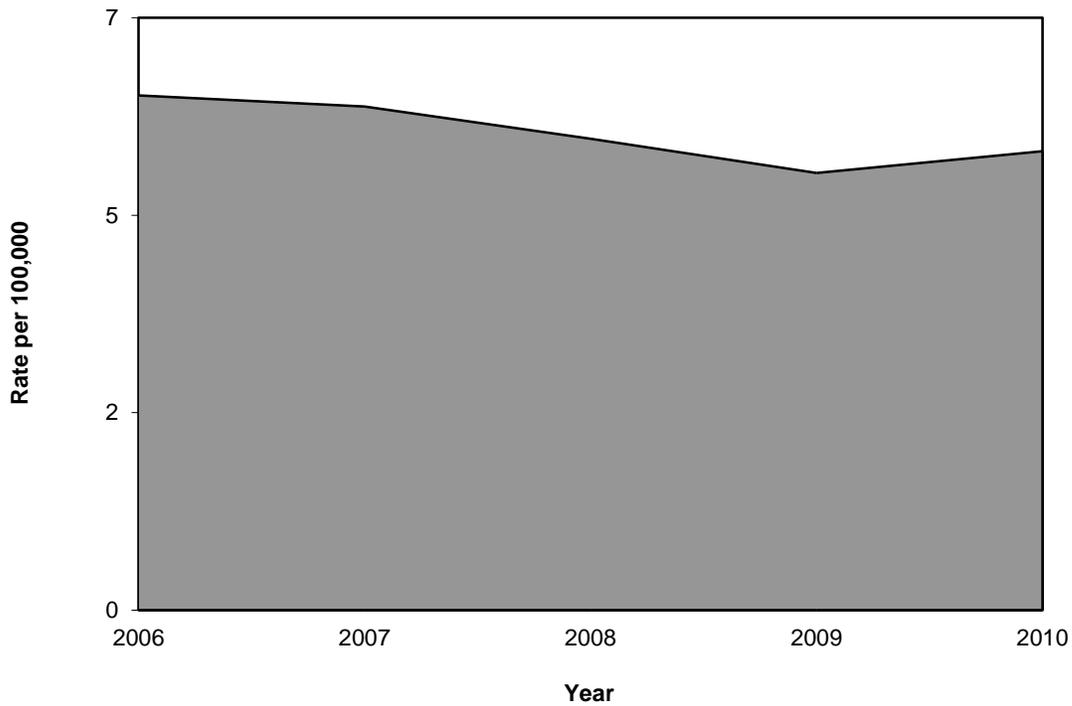
- The Southeast Health District showed the highest age adjusted homicide rate, while the North Central Health District showed the lowest rate.
- Three counties showed age-adjusted homicide rates that were significantly higher than the comparable state rate: Allegheny, Delaware and Philadelphia.

Note: Rates were not able to be calculated for most counties in the state, due to a small number of events (i.e., fewer than 20 homicides over 2006 to 2010).

INJURY DEATHS: HOMICIDES

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	759	6.3
2007	737	6.1
2008	692	5.7
2009	650	5.3
2010	682	5.6



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	NSR	3.7	2.3	2.3	10.4	5.1
2007	NSR	3.6	NSR	2.7	10.1	4.9
2008	NSR	3.4	2.1	2.7	8.5	6.0
2009	NSR	3.4	NSR	3.4	7.8	4.9
2010	NSR	2.4	3.6	3.3	8.1	5.4

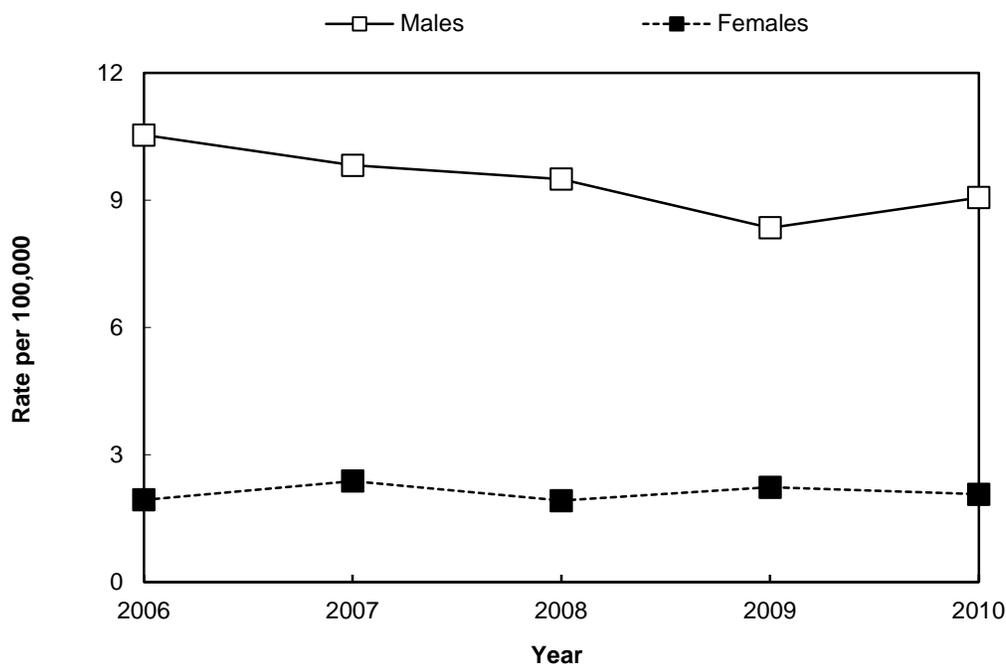
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.
See Technical Notes.

INJURY DEATHS: HOMICIDES

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	638	10.5 *	2006	121	1.9
2007	593	9.8 *	2007	144	2.4
2008	570	9.5 *	2008	122	1.9
2009	509	8.4 *	2009	141	2.2
2010	553	9.1 *	2010	128	2.1

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	13.7	2.4 *	2006	2.2	1.2 *
2007	12.8	2.2 *	2007	2.7	1.6 *
2008	11.9	3.2 *	2008	2.2	1.3 *
2009	10.5	2.7 *	2009	2.5	1.6 *
2010	11.3	3.1 *	2010	2.3	1.4 *

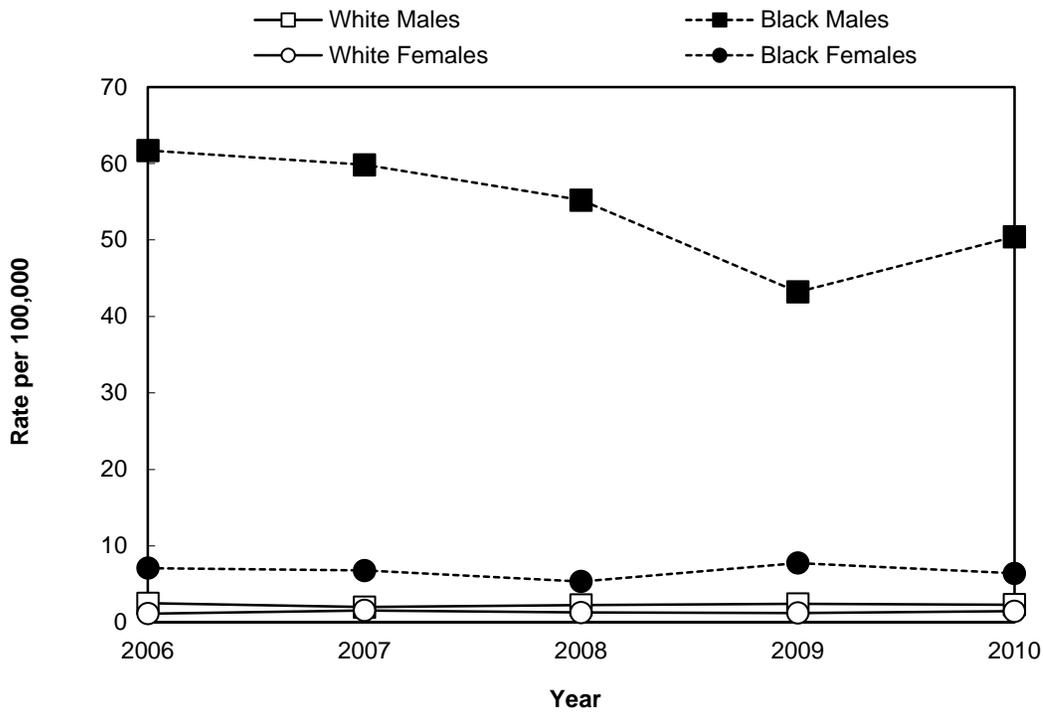
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY DEATHS: HOMICIDES

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	129	437	62	51	55	6
2007	104	418	83	47	59	8
2008	119	396	72	39	44	10
2009	124	318	69	56	62	13
2010	120	366	74	45	51	5



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	2.5	61.7 *	1.2	7.1 *	17.4	NSR
2007	2.0	59.8 *	1.6	6.8 *	21.1	NSR
2008	2.3	55.2 *	1.3	5.3 *	15.7	NSR
2009	2.4	43.2 *	1.2	7.8 *	20.2	NSR
2010	2.3	50.4 *	1.5	6.4 *	12.4	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY DEATH: HOMICIDES

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	3,520	5.6	2,863	9.4	656	2.0	3,173	7.0	347	2.0
< 5	71	1.9	42	2.2	28	1.6	53	1.9	18	2.0
5-9	17	0.4	7	NSR	10	NSR	16	0.6	1	NSR
10-14	26	0.6	17	0.8	9	NSR	21	0.7	5	NSR
15-19	524	11.3	470	20.2	54	2.4	496	14.9	28	2.2
20-24	713	16.1	629	28.1	84	3.9	671	21.1	42	3.4
25-29	516	13.8	463	24.3	53	2.9	487	17.4	29	3.1
30-34	395	10.6	340	18.2	55	3.0	363	13.2	32	3.3
35-39	310	7.7	240	12.0	70	3.5	278	9.5	32	3.0
40-44	253	5.8	179	8.2	74	3.3	213	6.6	40	3.4
45-49	212	4.6	152	6.6	60	2.5	179	5.3	33	2.6
50-54	171	3.8	135	6.1	36	1.6	148	4.5	23	1.8
55-59	81	2.0	56	2.8	25	1.2	66	2.3	15	1.3
60-64	74	2.2	51	3.1	23	1.3	57	2.4	17	1.7
65-69	41	1.5	28	2.3	13	0.9	35	1.9	6	NSR
70-74	30	1.4	16	1.6	14	1.1	18	1.2	12	1.8
75-79	28	1.5	17	2.2	11	1.0	26	2.0	2	NSR
80-84	37	2.6	14	2.6	23	2.6	28	2.7	9	NSR
85 +	21	1.5	7	NSR	14	1.4	18	1.8	3	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: HOMICIDES

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	596	2.3	1,935	60.5	360	1.3	238	6.7	313	10.3		
< 5	21	1.4	14	5.4	*	14	1.0	11	4.4	*	5	NSR
5-9	4	NSR	3	NSR		7	NSR	3	NSR		0	NSR
10-14	5	NSR	12	4.3		6	NSR	3	NSR		0	NSR
15-19	43	2.3	387	123.0	*	17	0.9	27	8.8	*	43	14.4
20-24	66	3.6	489	164.2	*	35	2.0	42	14.2	*	68	24.9
25-29	56	3.6	348	140.5	*	26	1.8	22	8.8	*	51	20.2
30-34	66	4.3	231	105.8	*	28	1.9	20	8.7	*	43	18.2
35-39	52	3.1	154	72.7	*	39	2.3	22	9.5	*	36	15.9
40-44	61	3.3	99	45.9	*	43	2.3	27	11.1	*	16	7.9
45-49	57	2.8	78	37.1	*	31	1.5	25	10.3	*	18	10.2
50-54	65	3.3	56	30.1	*	24	1.2	10	4.5	*	12	9.1
55-59	23	1.3	26	17.5	*	16	0.9	7	NSR		4	NSR
60-64	29	2.0	14	12.5	*	14	0.9	5	NSR		9	NSR
65-69	16	1.4	7	NSR		10	0.8	3	NSR		2	NSR
70-74	7	NSR	7	NSR		10	0.9	4	NSR		2	NSR
75-79	8	NSR	7	NSR		9	NSR	2	NSR		2	NSR
80-84	11	2.2	2	NSR		19	2.3	4	NSR		1	NSR
85 +	6	NSR	1	NSR		12	1.3	1	NSR		1	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY DEATHS: HOMICIDES

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST						
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate					
TOTAL	105	2.3	56	1.6	248	3.2	663	4.9	230	2.8	2,218	8.9					
< 5	5	NSR	6	NSR	7	NSR	12	1.7	9	NSR	32	2.0					
5-9	1	NSR	0	NSR	-	1	NSR	4	NSR	2	NSR	NSR					
10-14	0	NSR	-	0	NSR	-	3	NSR	9	NSR	3	NSR					
15-19	13	3.7	-	2	NSR	29	5.0	-	101	10.7	28	4.9	-	351	18.9	+	
20-24	12	3.8	-	5	NSR	45	8.4	-	121	13.5	31	5.9	-	499	28.0	+	
25-29	10	3.8	-	6	NSR	30	6.7	-	100	13.2	34	7.0	-	336	21.0	+	
30-34	11	4.1	-	6	NSR	22	4.9	-	87	11.3	21	4.3	-	248	16.0	+	
35-39	10	3.5	-	6	NSR	28	5.6	-	52	6.2	-	19	3.5	-	195	11.8	+
40-44	10	3.2	-	8	NSR	23	4.2	-	53	5.7	-	21	3.6	-	138	7.7	+
45-49	7	NSR	-	5	NSR	15	2.6	-	35	3.4	-	15	2.4	-	135	7.3	+
50-54	8	NSR	-	2	NSR	14	2.4	-	33	3.2	-	11	1.8	-	103	5.9	+
55-59	4	NSR	-	3	NSR	5	NSR	-	14	1.5	-	10	1.8	-	45	2.9	+
60-64	6	NSR	-	2	NSR	8	NSR	-	14	1.8	-	10	2.2	-	34	2.7	+
65-69	0	NSR	-	1	NSR	5	NSR	-	6	NSR	-	3	NSR	-	26	2.7	+
70-74	6	NSR	-	2	NSR	1	NSR	-	7	NSR	-	2	NSR	-	12	1.5	+
75-79	1	NSR	-	0	NSR	-	3	NSR	6	NSR	-	4	NSR	-	14	2.1	+
80-84	0	NSR	-	2	NSR	-	5	NSR	4	NSR	-	5	NSR	-	21	4.1	+
85 +	1	NSR	-	0	NSR	-	4	NSR	5	NSR	-	2	NSR	-	9	NSR	+

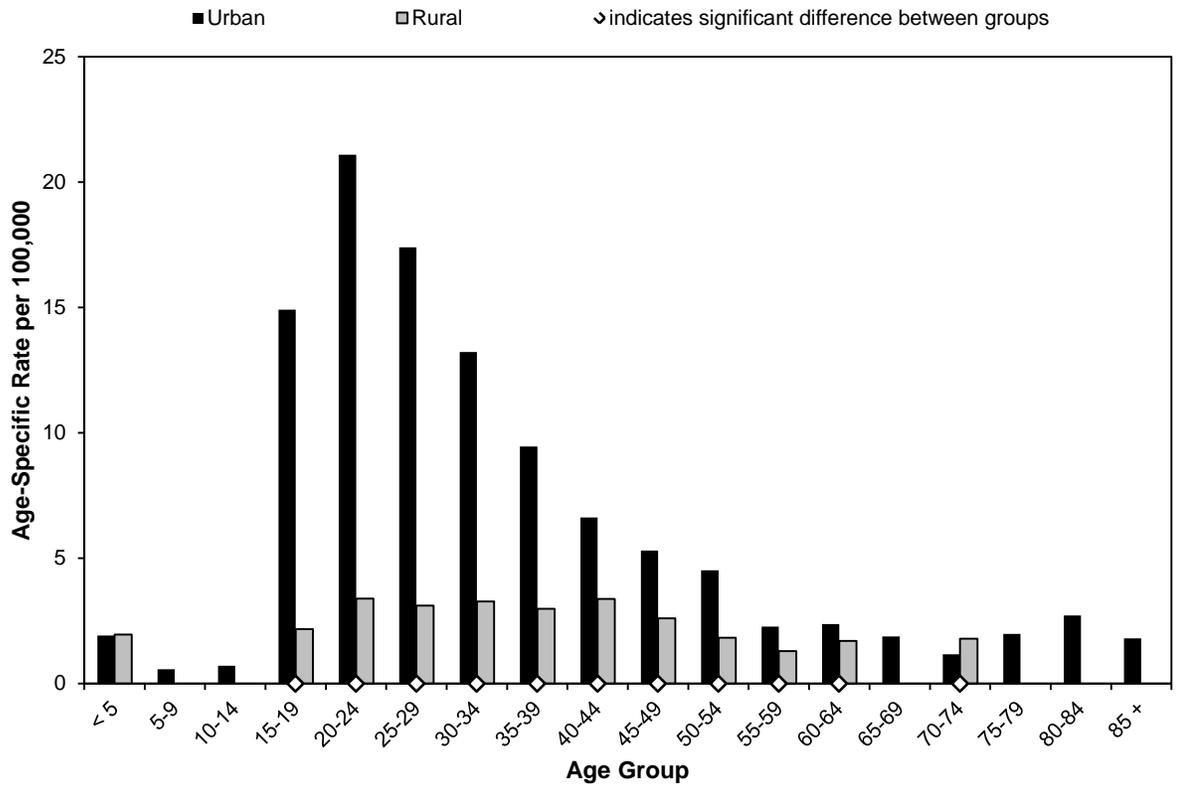
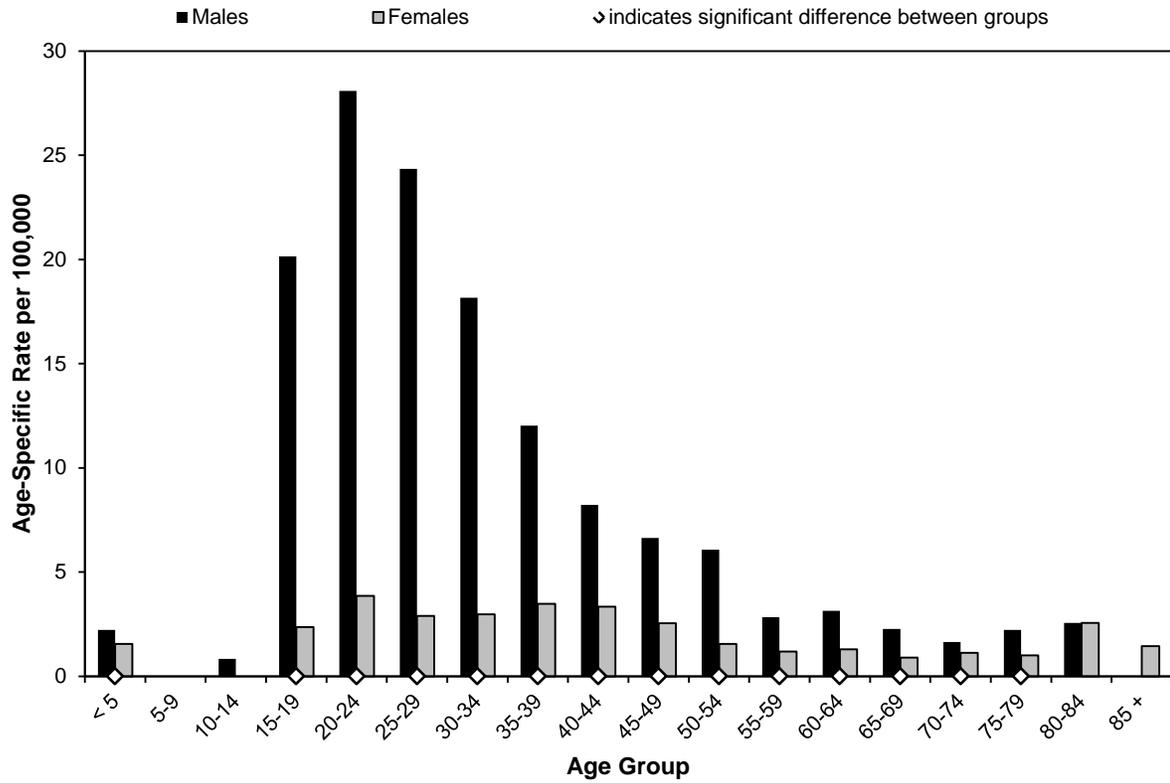
+/- denotes that the district's rate is significantly higher or lower than the state at the $p = .05$ level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

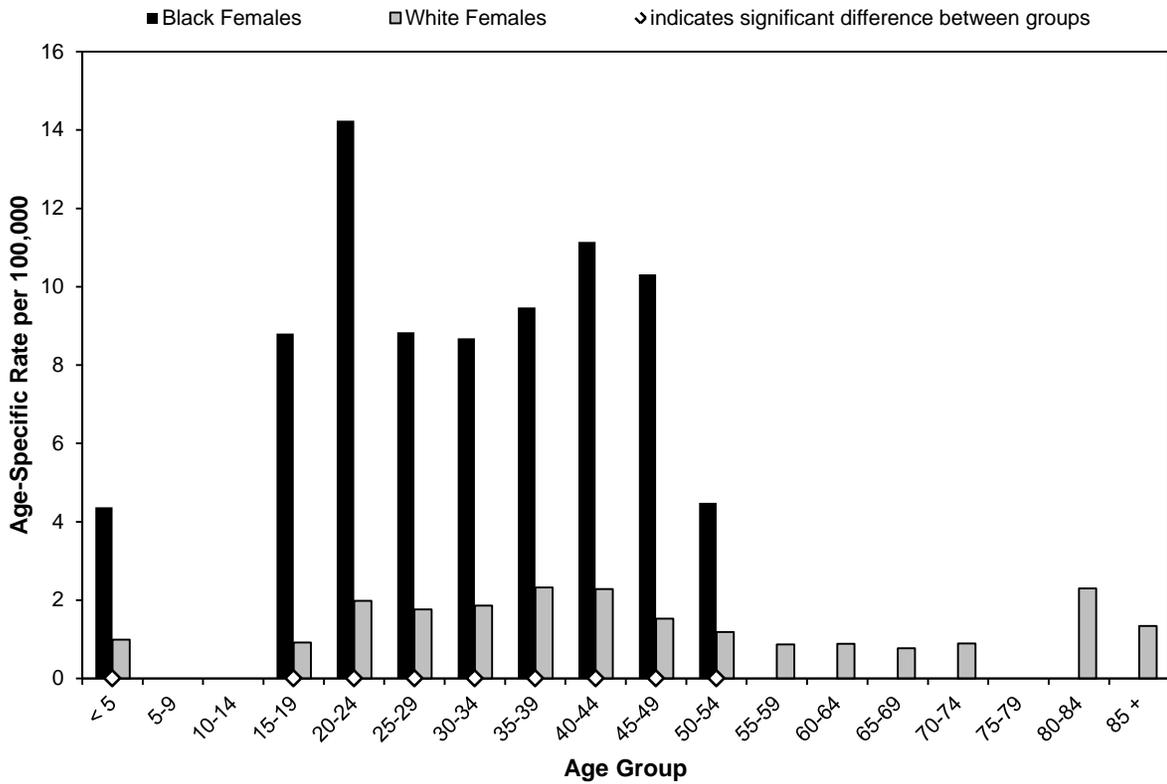
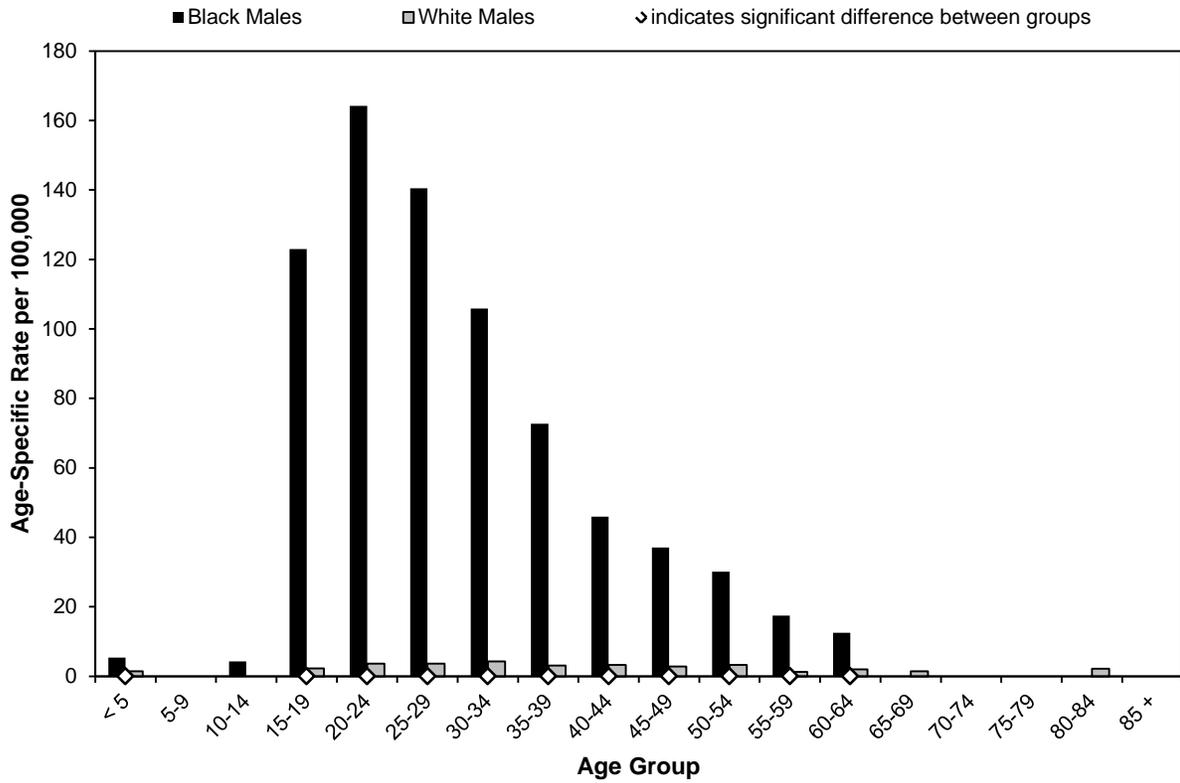
INJURY DEATH: HOMICIDES

AGE-SPECIFIC DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: HOMICIDES

AGE-SPECIFIC DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: HOMICIDES

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

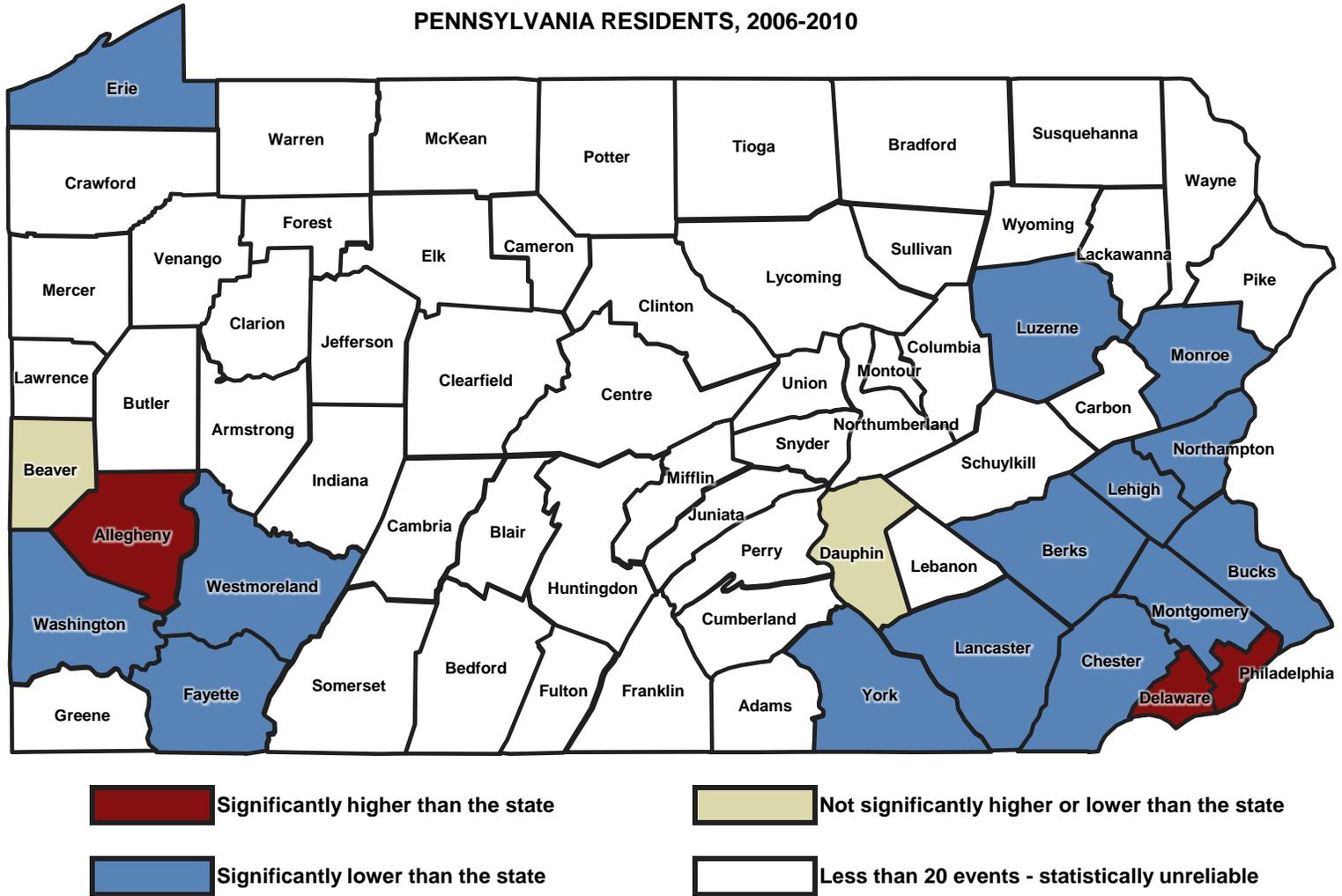
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	248	3.3	2.9-3.7 -	Southeast	2,218	9.0	8.6-9.3 +
Carbon	6	NSR		Berks	77	3.9	3-4.8 -
Lackawanna	17	NSR		Bucks	43	1.4	1-1.8 -
Lehigh	76	4.6	3.6-5.7 -	Chester	38	1.6	1.1-2.1 -
Luzerne	66	4.5	3.4-5.6 -	Delaware	207	7.6	6.5-8.6 +
Monroe	24	3.0	1.8-4.3 -	Lancaster	72	2.9	2.2-3.6 -
Northampton	44	3.0	2.1-3.9 -	Montgomery	80	2.1	1.6-2.6 -
Pike	3	NSR		Philadelphia	1,688	21.3	20.2-22.3 +
Susquehanna	1	NSR		Schuylkill	13	NSR	
Wayne	9	NSR					
Wyoming	2	NSR					
North Central	56	1.8	1.3-2.3 -	South Central	230	2.9	2.5-3.3 -
Bradford	8	NSR		Adams	8	NSR	
Centre	5	NSR		Bedford	4	NSR	
Clinton	1	NSR		Blair	12	NSR	
Columbia	4	NSR		Cumberland	14	NSR	
Lycoming	13	NSR		Dauphin	75	6.1	4.7-7.5
Montour	1	NSR		Franklin	17	NSR	
Northumberland	8	NSR		Fulton	1	NSR	
Potter	1	NSR		Huntingdon	3	NSR	
Snyder	5	NSR		Juniata	3	NSR	
Sullivan	0	NSR		Lebanon	16	NSR	
Tioga	3	NSR		Mifflin	5	NSR	
Union	7	NSR		Perry	6	NSR	
				York	66	3.3	2.5-4.1 -
Northwest	105	2.4	1.9-2.8 -	Southwest	663	5.3	4.9-5.7 -
Cameron	0	NSR		Allegheny	482	8.4	7.6-9.1 +
Clarion	2	NSR		Armstrong	3	NSR	
Clearfield	4	NSR		Beaver	41	5.3	3.6-6.9
Crawford	17	NSR		Butler	14	NSR	
Elk	2	NSR		Cambria	17	NSR	
Erie	38	2.8	1.9-3.7 -	Fayette	23	3.3	1.9-4.7 -
Forest	0	NSR		Greene	6	NSR	
Jefferson	4	NSR		Indiana	6	NSR	
Lawrence	15	NSR		Somerset	10	NSR	
McKean	5	NSR		Washington	28	2.8	1.8-3.9 -
Mercer	8	NSR		Westmoreland	33	2.0	1.3-2.7 -
Venango	3	NSR					
Warren	7	NSR		Pennsylvania	3,520	5.8	5.6-6

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY DEATHS: HOMICIDES

**AGE-ADJUSTED DEATH RATES BY COUNTY,
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE
PENNSYLVANIA RESIDENTS, 2006-2010**



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: HOMICIDES

TOTAL NUMBER OF DEATHS AND AGE-SPECIFIC DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	2,868	651	3,520	1,006	6.2	1,522	12.8	671	5.1	236	2.0	85	0.9
Northeast	180	68	248	120	6.1	75	5.2	35	2.1	15	1.0	3	NSR
Carbon	4	2	6	6	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Lackawanna	13	4	17	7	NSR	5	NSR	5	NSR	0	NSR	0	NSR
Lehigh	62	14	76	38	8.5	21	6.5	9	NSR	6	NSR	2	NSR
Luzerne	41	25	66	25	6.9	26	9.0	10	3.1	4	NSR	1	NSR
Monroe	20	4	24	10	4.3	7	NSR	5	NSR	2	NSR	0	NSR
Northampton	28	16	44	22	5.6	13	4.7	6	NSR	3	NSR	0	NSR
Pike	2	1	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Susquehanna	1	0	1	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Wayne	7	2	9	6	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Wyoming	2	0	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Southeast	1,893	324	2,218	487	7.2	1,046	21.2	459	8.7	159	3.5	67	1.9
Berks	55	21	77	28	4.9	23	6.2	20	4.7	3	NSR	3	NSR
Bucks	32	11	43	17	2.1	12	2.3	12	1.7	2	NSR	0	NSR
Chester	23	15	38	13	1.9	12	2.7	9	NSR	4	NSR	0	NSR
Delaware	173	34	207	79	10.5	74	13.9	36	6.2	9	NSR	9	NSR
Lancaster	47	25	72	22	3.1	21	4.4	18	3.6	7	NSR	4	NSR
Montgomery	59	21	80	20	2.0	29	4.1	17	1.9	10	1.3	4	NSR
Philadelphia	1,497	191	1,688	303	14.7	870	49.5	344	23.8	124	10.3	47	5.0
Schuylkill	7	6	13	5	NSR	5	NSR	3	NSR	0	NSR	0	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	2,868	651	3,520	1,006	6.2	1,522	12.8	671	5.1	236	2.0	85	0.9
North Central	42	14	56	46	5.3	10	1.4	0	NSR	0	NSR	0	NSR
Bradford	4	4	8	6	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Centre	3	2	5	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clinton	1	0	1	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Columbia	4	0	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Lycoming	11	2	13	10	7.0	3	NSR	0	NSR	0	NSR	0	NSR
Montour	1	0	1	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Northumberland	4	4	8	5	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Potter	1	0	1	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Snyder	4	1	5	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Sullivan	0	0	0	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	3	0	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Union	6	1	7	5	NSR	2	NSR	0	NSR	0	NSR	0	NSR
South Central	160	70	230	115	5.5	67	4.4	33	1.9	13	0.8	2	NSR
Adams	5	3	8	6	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Bedford	3	1	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Blair	7	5	12	7	NSR	4	NSR	1	NSR	0	NSR	0	NSR
Cumberland	7	7	14	6	NSR	5	NSR	3	NSR	0	NSR	0	NSR
Dauphin	61	14	75	27	8.1	25	10.6	14	4.9	8	NSR	1	NSR
Franklin	8	9	17	6	NSR	7	NSR	4	NSR	0	NSR	0	NSR
Fulton	1	0	1	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Huntingdon	1	2	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Juniata	3	0	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Lebanon	10	6	16	6	NSR	5	NSR	4	NSR	1	NSR	0	NSR
Mifflin	3	2	5	4	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Perry	3	3	6	6	NSR	0	NSR	0	NSR	0	NSR	0	NSR
York	48	18	66	36	6.5	18	4.7	7	NSR	4	NSR	1	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	2,868	651	3,520	1,006	6.2	1,522	12.8	671	5.1	236	2.0	85	0.9
Northwest	70	35	105	61	5.2	29	3.4	13	1.4	2	NSR	0	NSR
Cameron	0	0	0	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	2	0	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clearfield	3	1	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Crawford	15	2	17	7	NSR	7	NSR	3	NSR	0	NSR	0	NSR
Elk	2	0	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Erie	21	17	38	11	2.9	15	5.3	10	3.6	2	NSR	0	NSR
Forest	0	0	0	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	2	2	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Lawrence	10	5	15	10	8.8	5	NSR	0	NSR	0	NSR	0	NSR
McKean	2	3	5	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Mercer	7	1	8	7	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Venango	1	2	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Warren	5	2	7	6	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Southwest	523	140	663	177	5.5	295	12.2	131	4.7	47	1.7	13	0.6
Allegheny	412	70	482	103	7.0	241	21.1	94	7.5	32	2.6	12	1.2
Armstrong	1	2	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Beaver	31	10	41	16	7.9	15	10.5	8	NSR	2	NSR	0	NSR
Butler	7	7	14	7	NSR	4	NSR	3	NSR	0	NSR	0	NSR
Cambria	10	7	17	6	NSR	4	NSR	4	NSR	3	NSR	0	NSR
Fayette	16	7	23	6	NSR	8	NSR	6	NSR	3	NSR	0	NSR
Greene	2	4	6	4	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Indiana	3	3	6	5	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Somerset	6	4	10	6	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Washington	19	9	28	13	5.2	7	NSR	5	NSR	3	NSR	0	NSR
Westmoreland	16	17	33	8	NSR	9	NSR	11	2.9	4	NSR	1	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: HOMICIDES

**NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI),
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	379	44.9	40.3-49.5	Allegheny	87	1.8	1.4-2.2	Berks	29	9.8	6.1-13.5
Chester	13	8.2	3.5-12.9	Chester	21	0.9	0.5-1.3	Lancaster	13	7.0	3-10.9
Dauphin	45	19.0	13.4-24.7	Dauphin	17	1.7	0.9-2.5	Lehigh	29	10.5	6.1-15
Delaware	156	26.4	22.1-30.6	Delaware	42	2.0	1.4-2.6	Philadelphia	168	19.3	16.2-22.4
Montgomery	29	8.0	5.1-10.9	Montgomery	36	1.0	0.7-1.4				
Philadelphia	1,347	38.1	36.1-40.2	Philadelphia	135	3.8	3.1-4.5				
Pennsylvania	2,173	29.8	28.5-31.1	Pennsylvania	957	1.8	1.7-2	Pennsylvania	313	10.1	8.9-11.3

**NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC DEATH RATES
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
Allegheny	White	82.7%	57	30	87	18.0%	8	NSR	31	3.4	28	2.7	16	1.5	4	NSR
	Black	13.4%	339	40	379	78.6%	89	32.4	202	117.4	65	42.5	15	11.7	8	NSR
Chester	White	88.7%	9	12	21	55.3%	2	NSR	3	NSR	8	NSR	5	NSR	3	NSR
	Black	6.2%	10	3	13	34.2%	3	NSR	8	NSR	1	NSR	1	NSR	0	NSR
Dauphin	White	76.3%	13	4	17	22.7%	3	NSR	0	NSR	6	NSR	5	NSR	3	NSR
	Black	17.9%	39	6	45	60.0%	12	15.0	22	46.8	5	NSR	4	NSR	2	NSR
Delaware	White	75.0%	25	17	42	20.3%	5	NSR	11	3.0	12	2.8	6	NSR	8	NSR
	Black	18.9%	140	16	156	75.4%	29	16.6	90	70.0	30	27.3	5	NSR	2	NSR
Montgomery	White	83.7%	22	14	36	45.0%	3	NSR	9	NSR	9	NSR	10	1.5	5	NSR
	Black	8.7%	23	6	29	36.3%	6	NSR	13	17.1	9	NSR	1	NSR	0	NSR
Philadelphia	White	45.6%	103	32	135	8.0%	8	NSR	50	6.1	38	5.8	22	3.7	17	3.2
	Black	45.3%	1,215	132	1,347	79.8%	271	25.1	716	97.2	255	38.8	81	15.3	24	6.7
Pennsylvania	White	84.9%	596	360	957	27.2%	118	0.9	277	2.9	283	2.5	171	1.6	108	1.2
	Black	10.7%	1,935	238	2,173	61.7%	460	21.0	1,152	74.9	405	29.9	118	11.7	38	5.9

INJURY DEATHS: TRAUMATIC BRAIN INJURY

In 2010, among Pennsylvania residents, there were 2,225 injury deaths involving traumatic brain injury (TBI). On average, one resident died every four hours.

Injury Definition

Traumatic brain injury (TBI) includes concussions, skull fractures and other intracranial injury.

Whereas other topics in this report reflect external causes of injury, TBI represents a specific injury diagnosis. That is, a variety of external causes may cause a traumatic brain injury.

Leading causes of TBI include firearms, motor vehicle accidents and falls. These mechanisms account for almost 90 percent of TBI deaths.

HIGHLIGHTS

- *Age-adjusted rates have generally been **stable** over 2006 to 2010.*
- *The most common demographic is **white males, 20 and older.***
- *Of all Pennsylvania counties, **Bedford and Elk** show the highest rates.*

Trends Over Time

- The age-adjusted death rate for TBI increased from 16.2 in 2006 to 17.1 in 2008. However, the rate dropped 8 percent, to 15.7, in 2010.
- Males showed significantly higher age-adjusted TBI death rates than females over 2006 to 2010 (rates were 24.3 and 7.9, respectively, in 2010).
- Rural males and females showed significantly higher age-adjusted TBI death rates than urban males and females over 2006 to 2010.

Demographic Trends

- White males accounted for over 60 percent of all TBI deaths in 2006 to 2010.
- Males showed significantly higher TBI death rates than females for all age groups.
- Black males showed significantly higher TBI death rates than white males for all age groups under 40 that could be calculated.
- White males and females showed significantly higher TBI death rates than black males and females for ages 80 and older.

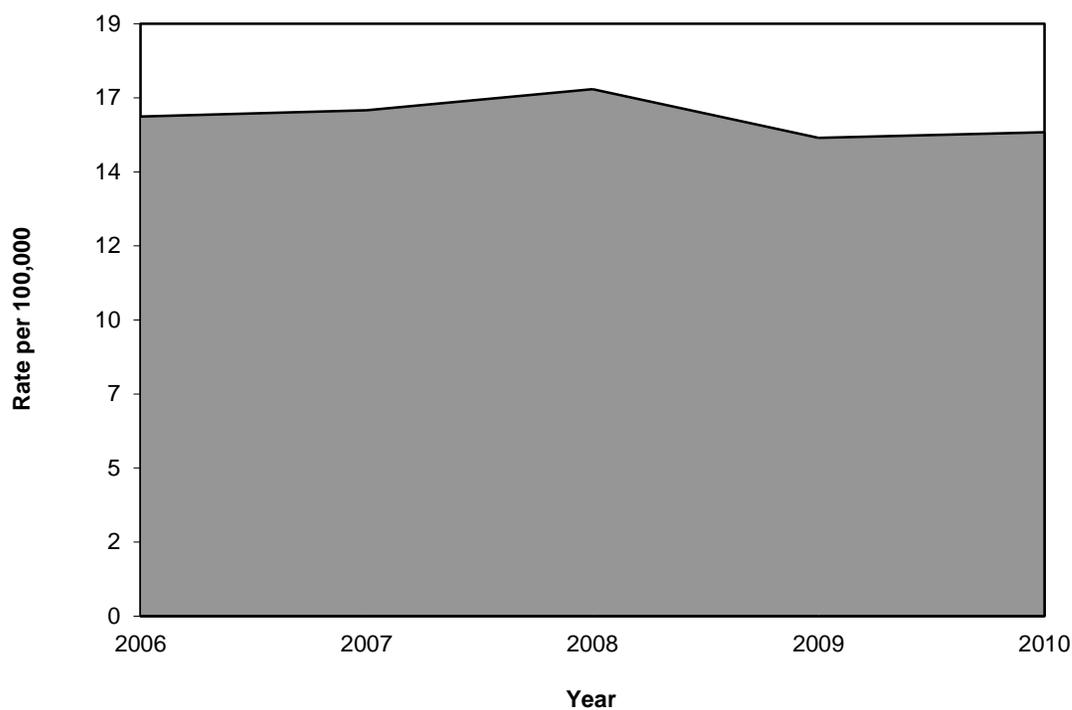
Regional Trends

- The Southwest and Northwest Health Districts showed the highest age-specific TBI death rates, while the Southeast Health District showed the lowest rates.
- Twenty-three counties showed age-adjusted TBI death rates for 2006 to 2010 that were significantly higher than the comparable state rate. Most counties were rural.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	2,134	16.2
2007	2,200	16.4
2008	2,328	17.1
2009	2,170	15.5
2010	2,225	15.7



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	17.7	14.5	19.2	15.9	14.0	20.1
2007	17.2	14.7	21.0	14.7	15.0	19.4
2008	19.0	16.2	19.3	17.1	14.4	21.2
2009	15.6	11.4	19.5	17.3	13.1	20.0
2010	15.5	13.9	21.6	16.6	12.5	20.3

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

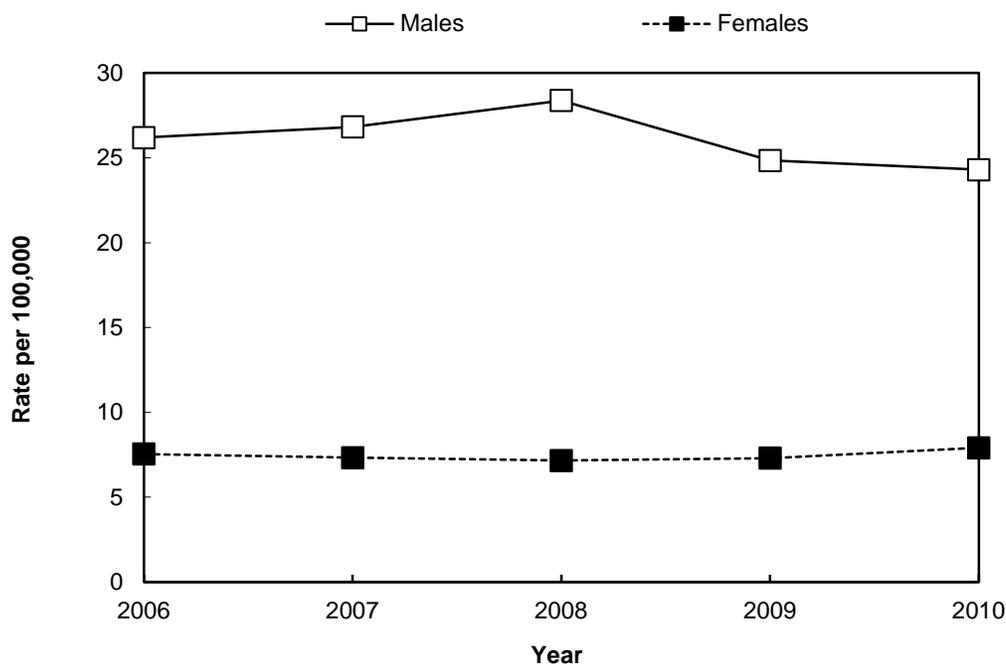
See Technical Notes.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	1,554	26.2 *	2006	580	7.5
2007	1,616	26.8 *	2007	584	7.3
2008	1,743	28.4 *	2008	585	7.2
2009	1,566	24.8 *	2009	604	7.3
2010	1,558	24.3 *	2010	667	7.9

** denotes a statistically significant difference between groups at level of $p = .05$*



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	24.9	29.5 *	2006	6.3	10.9 *
2007	24.6	32.6 *	2007	6.6	9.2 *
2008	25.8	35.0 *	2008	6.4	9.3 *
2009	22.3	31.5 *	2009	6.3	9.9 *
2010	22.4	29.1 *	2010	7.1	10.2 *

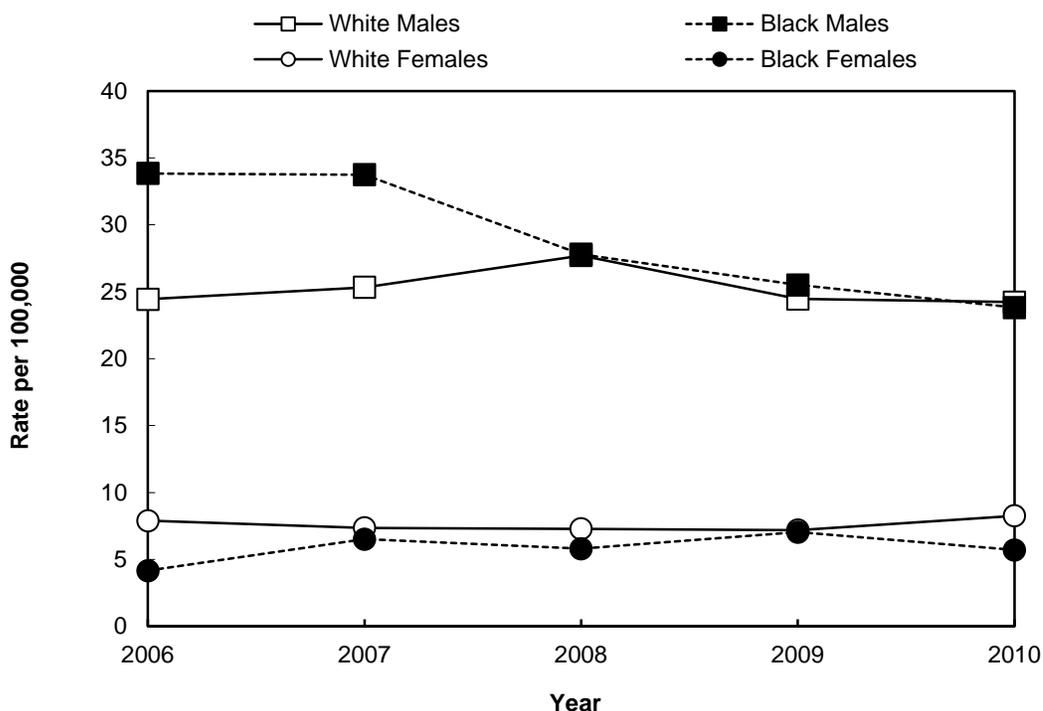
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	1,273	220	539	29	38	6
2007	1,342	209	528	45	44	6
2008	1,507	174	532	42	55	8
2009	1,360	156	540	51	33	9
2010	1,338	156	607	41	38	7



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	24.4	33.8 *	7.9	4.2 *	16.4	NSR
2007	25.3	33.7 *	7.4	6.5	20.8	NSR
2008	27.7	27.8	7.3	5.8	21.6	NSR
2009	24.5	25.5	7.2	7.0	13.0	NSR
2010	24.2	23.8	8.3	5.7 *	11.7	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY DEATH: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	11,057	17.7	8,037	26.4	3,020	9.4	7,261	16.0	3,796	22.1
< 5	80	2.2	50	2.7	30	1.7	49	1.8	31	3.4
5-9	51	1.3	36	1.9	15	0.8	30	1.1	21	2.1
10-14	81	2.0	57	2.8	24	1.2	42	1.4	39	3.7
15-19	601	13.0	463	19.9	138	6.0	383	11.5	218	16.9
20-24	872	19.7	742	33.1	130	6.0	588	18.5	284	23.0
25-29	651	17.4	538	28.3	113	6.2	429	15.3	222	23.8
30-34	532	14.3	439	23.4	93	5.0	338	12.3	194	19.9
35-39	591	14.7	480	24.1	111	5.5	377	12.8	214	20.0
40-44	643	14.6	514	23.6	129	5.8	391	12.2	252	21.3
45-49	766	16.5	633	27.7	133	5.7	481	14.2	285	22.5
50-54	770	17.0	654	29.4	116	5.0	496	15.1	274	21.8
55-59	624	15.4	499	25.3	125	6.0	415	14.3	209	18.0
60-64	523	15.3	408	25.1	115	6.5	347	14.4	176	17.6
65-69	478	17.9	366	29.7	112	7.8	324	17.4	154	19.0
70-74	535	24.1	388	39.8	147	11.8	320	20.7	215	32.1
75-79	745	39.9	491	64.1	254	23.1	518	39.5	227	41.0
80-84	1,036	71.6	598	109.1	438	48.8	683	66.4	353	84.6
85 +	1,478	106.4	681	161.9	797	82.3	1,050	105.4	428	109.0

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	6,820	26.3	915	28.6	2,746	10.1	208	5.9	244	8.0		
< 5	28	1.9	11	4.2	*	21	1.5	6	NSR	6	NSR	
5-9	29	1.9	6	NSR		15	1.0	0	NSR	1	NSR	
10-14	43	2.6	11	3.9	*	18	1.1	4	NSR	4	NSR	
15-19	303	16.0	138	43.8	*	118	6.3	14	4.6	*	22	7.4
20-24	526	28.9	165	55.4	*	100	5.7	25	8.5	*	41	15.0
25-29	383	24.8	111	44.8	*	90	6.1	16	6.4		34	13.4
30-34	325	21.1	88	40.3	*	71	4.7	14	6.1		25	10.6
35-39	379	22.6	80	37.8	*	97	5.8	10	4.3		17	7.5
40-44	442	23.6	52	24.1		116	6.2	12	5.0		17	8.4
45-49	557	27.8	55	26.2		113	5.6	16	6.6		17	9.7
50-54	589	29.8	50	26.9		109	5.4	6	NSR		10	7.6
55-59	444	25.1	40	26.9		106	5.7	17	9.1	*	13	12.9
60-64	379	25.7	19	17.0	*	108	6.8	5	NSR		10	14.1
65-69	339	30.1	17	21.7	*	102	7.8	6	NSR		5	NSR
70-74	360	40.3	22	36.1		132	11.7	13	13.8		4	NSR
75-79	459	64.7	18	40.7	*	239	23.7	9	NSR		9	NSR
80-84	573	112.3	20	65.6	*	421	50.9	14	23.3	*	2	NSR
85 +	662	169.7	12	48.4	*	770	86.0	21	33.8	*	7	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
TOTAL	1,019	22.0	620	18.1	1,218	15.5	3,099	22.9	1,431	17.4	3,670	14.7						
< 5	7	NSR	9	NSR	9	NSR	23	3.2	+	10	2.0	22	1.4	-				
5-9	6	NSR	5	NSR	4	NSR	16	2.1	+	7	NSR	13	0.8	-				
10-14	10	3.4	+	5	NSR	9	NSR	25	3.1	+	13	2.5	19	1.1	-			
15-19	59	16.9	+	35	11.2	57	9.9	-	167	17.6	+	78	13.6	205	11.0	-		
20-24	66	20.8		43	12.0	-	114	21.3		229	25.6	+	111	21.1	309	17.3	-	
25-29	56	21.5	+	34	18.8		66	14.8	-	184	24.2	+	75	15.4	-	236	14.8	-
30-34	63	23.7	+	29	15.4		44	9.8	-	171	22.2	+	61	12.3	-	164	10.6	-
35-39	59	20.7	+	43	21.2	+	76	15.3		157	18.8	+	80	14.9		176	10.7	-
40-44	72	22.9	+	36	16.3		72	13.0		152	16.2		95	16.2		216	12.1	-
45-49	55	16.2		50	21.2	+	75	12.8	-	218	21.3	+	89	14.5	-	279	15.1	
50-54	81	23.9	+	37	15.9		91	15.8		212	20.5	+	92	15.4		257	14.6	-
55-59	54	17.5		43	20.1	+	71	13.6	-	158	16.8		74	13.6	-	224	14.6	
60-64	63	23.8	+	31	16.8		55	12.0	-	134	17.1		67	14.6		173	13.8	
65-69	51	23.8	+	22	14.3	-	61	16.9		126	20.6		73	19.8		145	15.0	-
70-74	52	28.7	+	30	23.6		53	18.1	-	147	27.9		93	31.4	+	160	20.2	-
75-79	67	43.9		40	38.4		92	38.2		217	47.2	+	104	43.0		225	33.7	-
80-84	97	82.9	+	62	79.3		117	63.2		294	78.8		144	81.7		322	62.3	-
85 +	101	92.7		66	90.7	-	152	86.6	-	469	130.0	+	165	101.1		525	103.4	

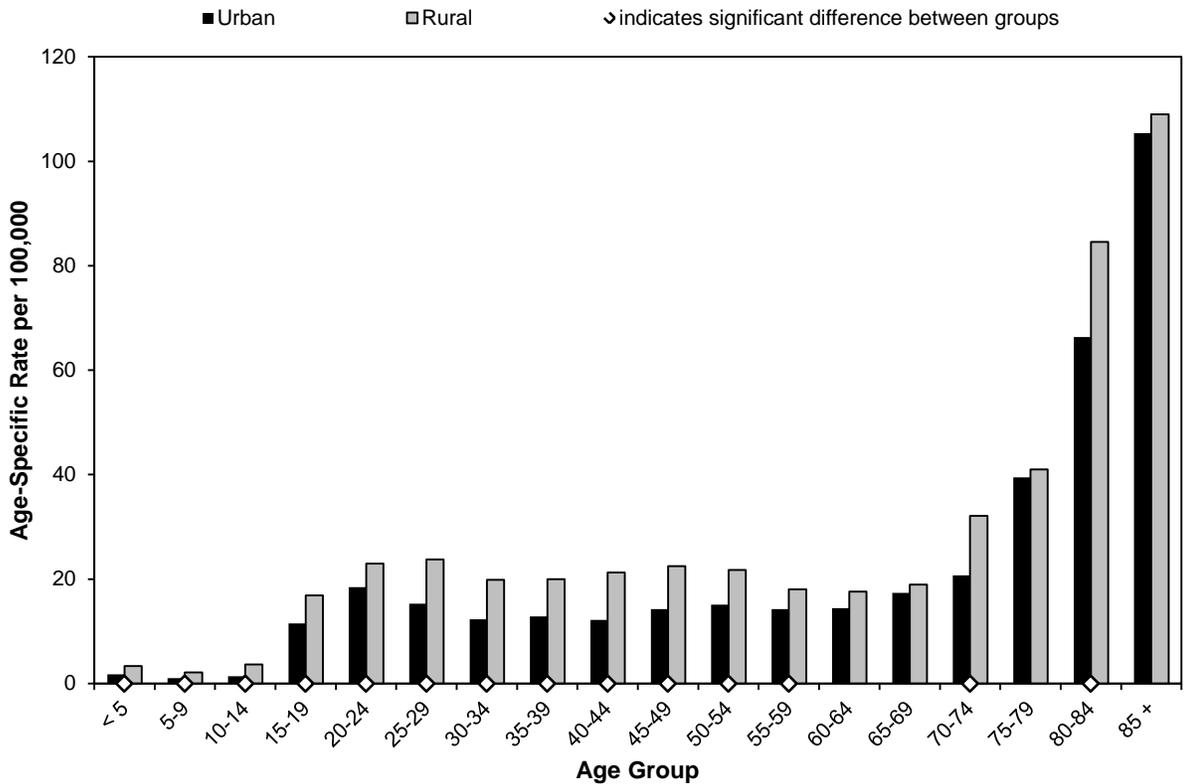
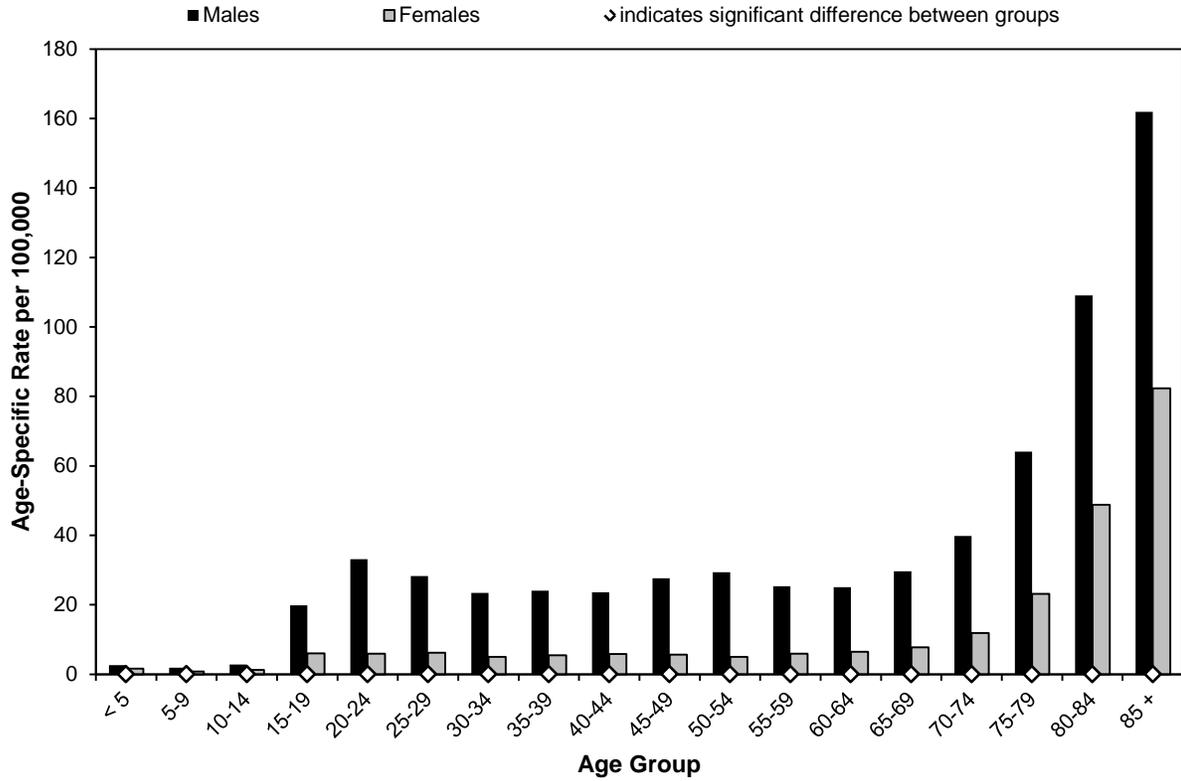
+/- denotes that the district's rate is significantly higher or lower than the state at the $p = .05$ level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

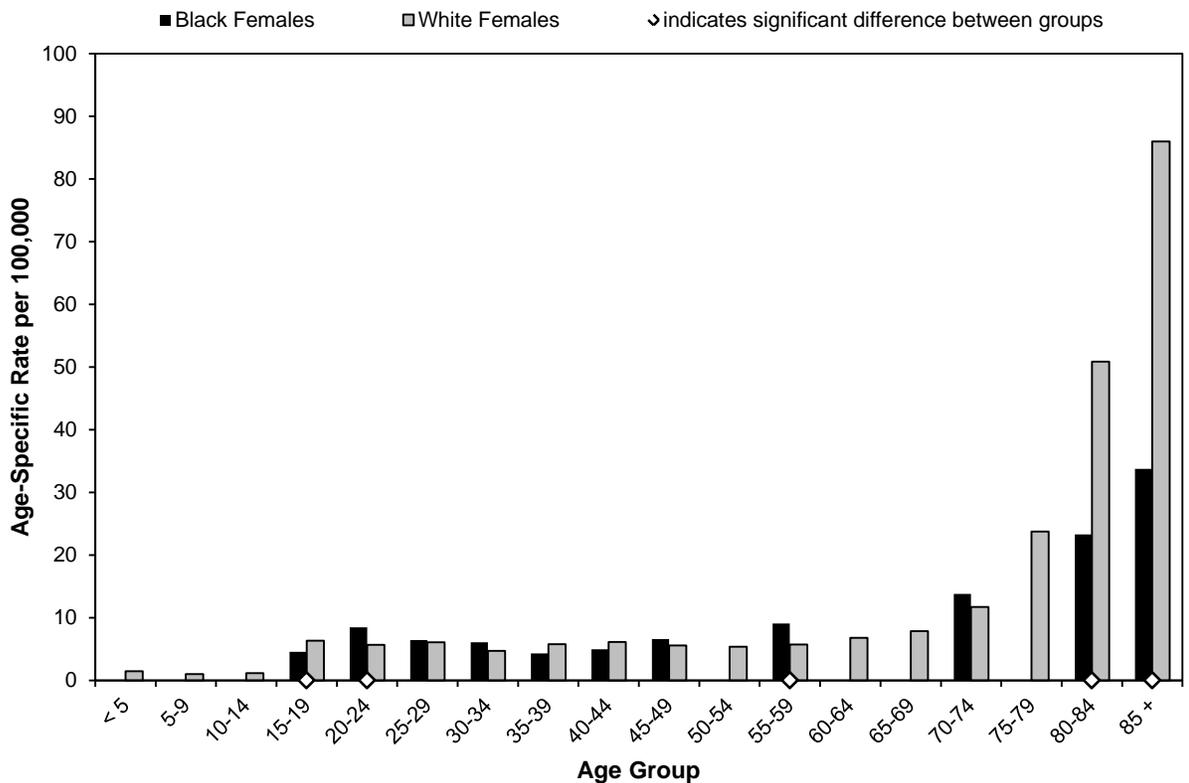
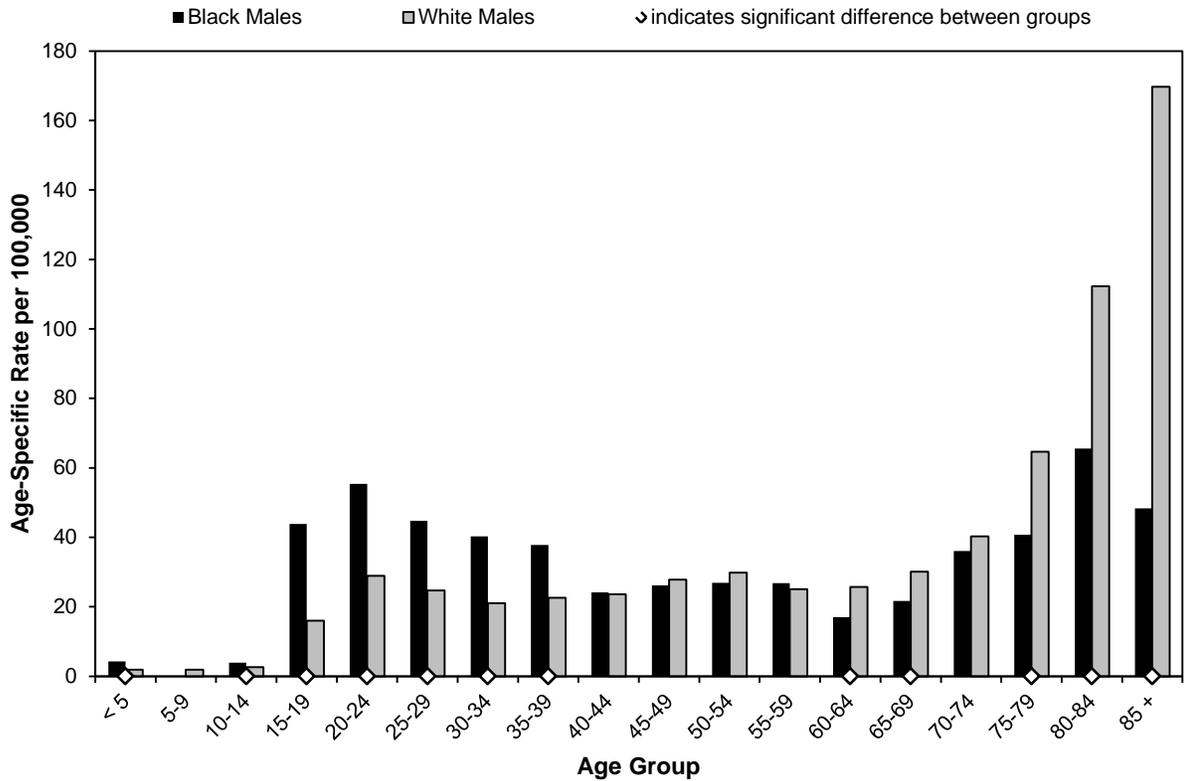
INJURY DEATH: TRAUMATIC BRAIN INJURY

AGE-SPECIFIC DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: TRAUMATIC BRAIN INJURY

AGE-SPECIFIC DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY DEATH: TRAUMATIC BRAIN INJURY

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

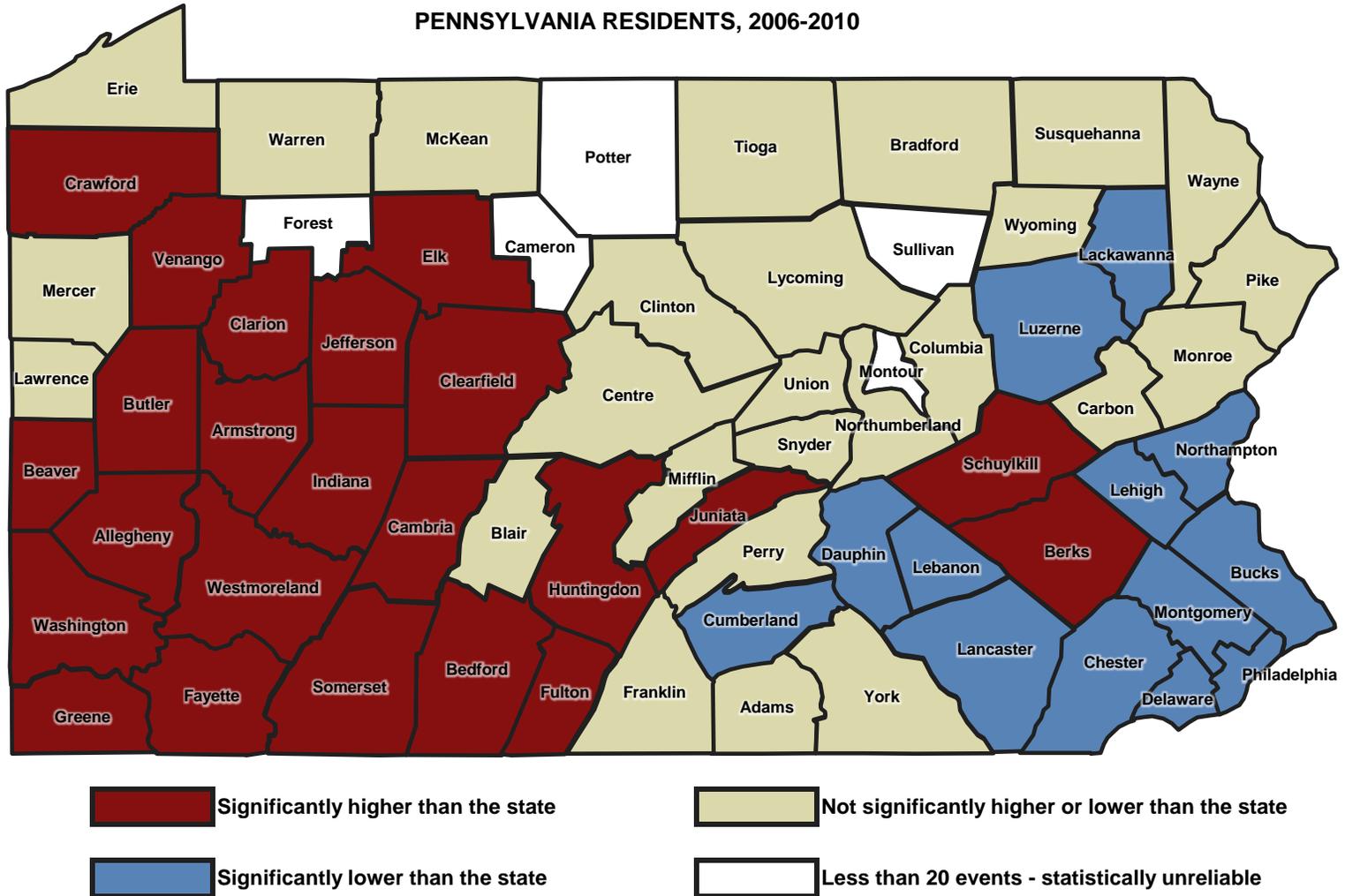
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	1,218	14.1	13.3-14.9 -	Southeast	3,670	13.8	13.3-14.2 -
Carbon	69	18.9	14.3-23.5	Berks	446	20.7	18.8-22.7 +
Lackawanna	168	13.8	11.6-16 -	Bucks	392	12.0	10.8-13.2 -
Lehigh	266	14.2	12.5-16 -	Chester	263	10.7	9.4-12 -
Luzerne	227	13.1	11.3-14.9 -	Delaware	403	13.0	11.7-14.3 -
Monroe	130	15.7	12.9-18.4	Lancaster	335	12.4	11-13.7 -
Northampton	208	12.6	10.9-14.4 -	Montgomery	476	10.9	9.9-11.9 -
Pike	41	12.8	8.7-16.8	Philadelphia	1,163	15.0	14.2-15.9 -
Susquehanna	34	16.2	10.6-21.9	Schuylkill	192	23.4	20-26.8 +
Wayne	52	19.8	14.2-25.4				
Wyoming	23	15.9	9.3-22.5				
North Central	620	16.9	15.6-18.3	South Central	1,431	16.3	15.4-17.1
Bradford	65	19.5	14.6-24.5	Adams	94	17.6	14-21.3
Centre	109	16.3	13.1-19.5	Bedford	76	30.1	23.1-37.1 +
Clinton	42	21.2	14.5-27.9	Blair	141	19.4	16.1-22.7
Columbia	63	18.5	13.7-23.2	Cumberland	163	12.9	10.9-14.9 -
Lycoming	89	14.4	11.4-17.5	Dauphin	183	13.3	11.3-15.2 -
Montour	17	NSR		Franklin	136	17.7	14.7-20.7
Northumberland	92	17.5	13.8-21.3	Fulton	22	28.9	16.6-41.2 +
Potter	16	NSR		Huntingdon	56	23.1	17-29.3 +
Snyder	34	16.4	10.8-22	Juniata	30	25.6	16.3-35 +
Sullivan	9	NSR		Lebanon	73	10.3	7.9-12.7 -
Tioga	43	19.5	13.4-25.6	Mifflin	45	18.5	12.9-24.1
Union	41	17.2	11.9-22.6	Perry	45	20.6	14.6-26.7
				York	367	16.6	14.9-18.3
Northwest	1,019	20.1	18.8-21.4 +	Southwest	3,099	20.2	19.4-20.9 +
Cameron	10	NSR		Allegheny	1,256	17.8	16.8-18.8 +
Clarion	50	25.7	18.3-33.2 +	Armstrong	91	24.4	19.2-29.7 +
Clearfield	130	28.8	23.7-33.9 +	Beaver	186	19.5	16.5-22.4 +
Crawford	102	21.2	17-25.5 +	Butler	196	20.2	17.3-23 +
Elk	52	29.4	21-37.8 +	Cambria	195	22.5	19.2-25.8 +
Erie	237	15.8	13.8-17.9	Fayette	206	27.4	23.5-31.3 +
Forest	10	NSR		Greene	50	22.8	16.3-29.2 +
Jefferson	63	24.7	18.4-31.1 +	Indiana	108	23.0	18.4-27.6 +
Lawrence	101	19.4	15.4-23.3	Somerset	110	24.1	19.4-28.8 +
McKean	38	15.9	10.7-21.1	Washington	252	21.8	19-24.6 +
Mercer	115	18.1	14.7-21.6	Westmoreland	449	21.8	19.7-23.9 +
Venango	68	22.1	16.6-27.5 +				
Warren	43	20.6	14.2-27	Pennsylvania	11,057	16.2	15.8-16.5

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

AGE-ADJUSTED DEATH RATES BY COUNTY,
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE
PENNSYLVANIA RESIDENTS, 2006-2010



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF DEATHS AND AGE-SPECIFIC DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	8,037	3,020	11,057	1,386	8.6	1,981	16.7	2,067	15.8	1,820	15.2	3,803	39.7
Northeast	888	330	1,218	193	9.8	211	14.7	245	14.9	184	11.8	385	30.7
Carbon	51	18	69	15	21.3	16	26.9	18	26.9	14	21.0	6	NSR
Lackawanna	119	49	168	22	8.7	24	12.1	31	14.9	25	12.2	66	35.1
Lehigh	171	95	266	20	4.5	46	14.3	45	12.7	34	10.5	121	47.0
Luzerne	180	47	227	35	9.7	46	16.0	50	15.3	30	9.7	66	23.2
Monroe	97	33	130	24	10.3	17	11.6	37	19.8	21	12.8	31	30.8
Northampton	149	59	208	36	9.2	32	11.7	30	9.8	32	11.3	78	35.6
Pike	35	6	41	8	NSR	8	NSR	13	19.7	6	NSR	6	NSR
Susquehanna	28	6	34	13	26.0	6	NSR	6	NSR	9	NSR	0	NSR
Wayne	38	14	52	14	25.1	8	NSR	12	22.5	7	NSR	11	23.0
Wyoming	20	3	23	6	NSR	8	NSR	3	NSR	6	NSR	0	NSR
Southeast	2,730	940	3,670	366	5.4	678	13.7	699	13.2	629	13.8	1,298	37.6
Berks	347	99	446	59	10.4	73	19.6	83	19.3	73	19.7	158	54.8
Bucks	280	112	392	63	7.8	42	8.1	84	11.6	65	10.2	138	31.8
Chester	191	72	263	13	1.9	56	12.6	46	8.3	54	11.6	94	30.8
Delaware	298	105	403	21	2.8	64	12.0	58	10.0	71	13.6	189	47.8
Lancaster	250	85	335	31	4.3	49	10.2	57	11.3	53	11.7	145	39.2
Montgomery	323	153	476	20	2.0	66	9.4	81	9.2	75	10.0	234	40.2
Philadelphia	905	258	1,163	115	5.6	295	16.8	241	16.7	220	18.2	292	31.1
Schuylkill	136	56	192	44	27.2	33	24.8	49	29.9	18	12.5	48	35.7

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	8,037	3,020	11,057	1,386	8.6	1,981	16.7	2,067	15.8	1,820	15.2	3,803	39.7
North Central	465	155	620	127	14.7	112	15.4	134	20.3	113	17.9	134	25.0
Bradford	47	18	65	12	15.2	12	23.5	18	28.2	11	17.6	12	22.7
Centre	81	28	109	21	11.0	15	6.6	25	20.2	21	19.4	27	32.9
Clinton	32	10	42	11	21.8	8	NSR	12	34.8	5	NSR	6	NSR
Columbia	51	12	63	10	11.8	15	21.6	11	18.5	15	24.9	12	22.6
Lycoming	69	20	89	10	7.0	15	13.4	22	18.7	15	13.0	27	28.1
Montour	15	2	17	5	NSR	5	NSR	7	NSR	0	NSR	0	NSR
Northumberland	68	24	92	20	18.8	13	17.0	13	13.5	14	14.8	32	37.3
Potter	11	5	16	9	NSR	4	NSR	3	NSR	0	NSR	0	NSR
Snyder	23	11	34	8	NSR	5	NSR	6	NSR	15	42.4	0	NSR
Sullivan	6	3	9	4	NSR	5	NSR	0	NSR	0	NSR	0	NSR
Tioga	33	10	43	7	NSR	6	NSR	11	29.4	6	NSR	13	35.8
Union	29	12	41	10	19.6	9	NSR	6	NSR	11	29.7	5	NSR
South Central	1,050	381	1,431	211	10.0	237	15.7	248	14.3	230	14.3	505	40.6
Adams	69	25	94	17	12.6	19	20.5	10	9.3	17	17.4	31	41.9
Bedford	56	20	76	22	36.3	15	36.7	15	28.7	11	21.8	13	29.2
Blair	101	40	141	18	11.6	18	16.0	23	18.3	22	17.4	60	54.6
Cumberland	117	46	163	25	8.6	25	10.8	27	11.5	25	11.5	61	34.4
Dauphin	139	44	183	20	6.0	27	11.5	36	12.7	29	11.1	71	39.9
Franklin	101	35	136	20	10.5	19	14.6	33	23.0	19	13.9	45	37.6
Fulton	19	3	22	7	NSR	5	NSR	4	NSR	4	NSR	2	NSR
Huntingdon	38	18	56	12	22.8	11	24.2	7	NSR	8	NSR	18	49.7
Juniata	26	4	30	7	NSR	10	49.8	3	NSR	7	NSR	3	NSR
Lebanon	57	16	73	15	9.2	13	10.6	15	11.6	11	8.8	19	17.5
Mifflin	32	13	45	10	16.5	6	NSR	8	NSR	5	NSR	16	38.1
Perry	31	14	45	10	16.5	12	30.0	11	22.2	9	NSR	3	NSR
York	264	103	367	28	5.1	57	14.8	56	11.7	63	15.2	163	55.5

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	8,037	3,020	11,057	1,386	8.6	1,981	16.7	2,067	15.8	1,820	15.2	3,803	39.7
Northwest	741	278	1,019	167	14.2	186	22.1	192	20.5	185	20.3	289	37.4
Cameron	8	2	10	6	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Clarion	36	14	50	9	NSR	14	35.7	9	NSR	7	NSR	11	32.7
Clearfield	92	38	130	13	14.4	22	29.6	24	26.3	24	29.0	47	64.9
Crawford	76	26	102	13	11.1	12	15.4	27	31.0	21	23.5	29	40.2
Elk	41	11	52	13	33.9	8	NSR	11	30.7	9	NSR	11	36.6
Erie	174	63	237	15	4.0	50	17.6	37	13.2	52	20.1	83	41.1
Forest	7	3	10	5	NSR	3	NSR	2	NSR	0	NSR	0	NSR
Jefferson	50	13	63	18	32.7	8	NSR	14	30.7	10	21.9	13	31.7
Lawrence	64	37	101	19	16.8	18	23.9	16	17.7	16	17.5	32	38.0
McKean	27	11	38	12	22.2	5	NSR	9	NSR	9	NSR	3	NSR
Mercer	82	33	115	25	16.7	22	22.1	24	20.8	14	12.2	30	28.6
Venango	49	19	68	8	NSR	9	NSR	14	25.4	17	28.9	20	41.8
Warren	35	8	43	11	22.5	12	37.1	4	NSR	6	NSR	10	26.7
Southwest	2,163	936	3,099	322	10.0	557	23.0	549	19.6	479	17.4	1,192	51.1
Allegheny	872	384	1,256	92	6.3	239	20.9	180	14.4	202	16.6	543	52.8
Armstrong	73	18	91	19	22.7	17	32.0	19	26.4	13	18.0	23	36.3
Beaver	136	50	186	28	13.9	39	27.3	29	16.2	28	15.4	62	39.2
Butler	130	66	196	15	6.2	36	22.6	39	19.5	37	20.6	69	51.1
Cambria	139	56	195	26	15.7	27	21.3	34	23.3	32	21.4	76	56.1
Fayette	145	61	206	21	12.6	48	40.1	41	27.4	32	21.1	64	51.1
Greene	30	20	50	15	33.3	8	NSR	11	26.0	6	NSR	10	33.6
Indiana	79	29	108	21	18.4	17	18.3	22	27.6	16	19.2	32	46.0
Somerset	81	29	110	19	22.4	15	21.6	25	30.0	11	13.9	40	55.3
Washington	167	85	252	33	13.3	39	21.4	59	28.0	26	12.2	95	53.1
Westmoreland	311	138	449	33	8.0	72	24.3	90	23.5	76	19.5	178	52.9

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

**NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI),
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	266	32.9	28.8-36.9	Allegheny	970	15.2	14.2-16.2	Berks	26	12.4	6.3-18.5
Chester	13	8.3	3.5-13.1	Chester	242	10.9	9.5-12.2	Lancaster	15	9.7	3.6-15.8
Dauphin	31	14.7	9.4-20.1	Dauphin	143	12.3	10.2-14.3	Lehigh	22	12.2	5.3-19.2
Delaware	72	13.8	10.5-17.2	Delaware	318	12.3	10.9-13.7	Philadelphia	100	14.9	11.6-18.2
Montgomery	34	10.1	6.7-13.6	Montgomery	418	10.8	9.8-11.9				
Philadelphia	545	16.2	14.8-17.5	Philadelphia	489	12.6	11.4-13.7				
Pennsylvania	1,123	16.6	15.6-17.6	Pennsylvania	9,566	15.8	15.5-16.1	Pennsylvania	244	9.7	8.3-11.1

**NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC DEATH RATES
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
County and Race	Cty. Pop.			All Ages	Cty. Total											
Allegheny	White	82.7%	647	323	970	77.2%	42	3.8	122	13.5	125	11.9	171	16.1	510	55.2
	Black	13.4%	209	57	266	21.2%	49	17.8	105	61.0	52	34.0	29	22.6	31	34.5
Chester	White	88.7%	173	69	242	92.0%	12	2.0	39	10.3	46	9.3	53	12.4	92	32.6
	Black	6.2%	11	2	13	4.9%	1	NSR	10	28.7	0	NSR	1	NSR	1	NSR
Dauphin	White	76.3%	107	36	143	78.1%	4	NSR	15	8.7	21	9.6	34	15.7	69	44.6
	Black	17.9%	25	6	31	16.9%	6	NSR	8	NSR	8	NSR	2	NSR	7	NSR
Delaware	White	75.0%	221	97	318	78.9%	11	2.1	31	8.4	42	9.7	60	14.1	174	50.4
	Black	18.9%	64	8	72	17.9%	9	NSR	29	22.6	15	13.7	8	NSR	11	27.8
Montgomery	White	83.7%	277	141	418	87.8%	12	1.5	52	9.3	69	9.5	64	9.8	221	41.6
	Black	8.7%	26	8	34	7.1%	6	NSR	8	NSR	8	NSR	6	NSR	6	NSR
Philadelphia	White	45.6%	344	145	489	42.0%	12	1.6	48	5.8	102	15.5	132	22.3	195	36.2
	Black	45.3%	447	98	545	46.9%	86	8.0	205	27.8	112	17.0	69	13.0	73	20.4
Pennsylvania	White	84.9%	6,820	2,746	9,566	86.5%	575	4.4	1,495	15.5	1,704	15.3	1,735	16.3	4,057	46.2
	Black	10.7%	915	208	1,123	10.2%	190	8.7	419	27.2	225	16.6	137	13.6	152	23.6

Injury Hospitalizations 2006-2010

INJURY HOSPITALIZATIONS: ALL INJURIES

In 2010, among Pennsylvania residents, there were 142,074 hospitalizations due to injury. On average, one resident was hospitalized every four minutes.

Injury Definition

Injury includes both unintentional injuries and self-inflicted or assault injuries (violence).

- Unintentional injuries, or accidents, occur by chance; however, one can reduce the risk of injury by taking proper precautions.
- Violence, in contrast, entails premeditated harm against oneself (self-inflicted injury) or against another person (assault injury).

Most injury hospitalizations in Pa. are unintentional.

HIGHLIGHTS

- *Age-adjusted rates have generally **decreased** over 2006 to 2010.*
- *The most common demographic is **white females, 40 and older.***
- *Of all Pennsylvania counties, **Philadelphia** shows the highest rate.*

Trends Over Time

- The age-adjusted injury hospitalization rate decreased from 2006 to 2010, from 1,045.7 to 975.1 hospitalizations per 100,000 population.
- Males showed significantly higher age-adjusted injury hospitalization rates than females over 2006 to 2010, although females consistently showed the greater number of events.
- Black males and females showed significantly higher age-adjusted injury hospitalization rates than white males and females over 2006 to 2010.

Demographic Trends

- Males showed significantly higher injury hospitalization rates for ages under 65, while females showed significantly higher rates for ages 70 and older.
- Blacks showed significantly higher injury hospitalization rates for ages under 70, while whites showed significantly higher rates for ages 80 and older.

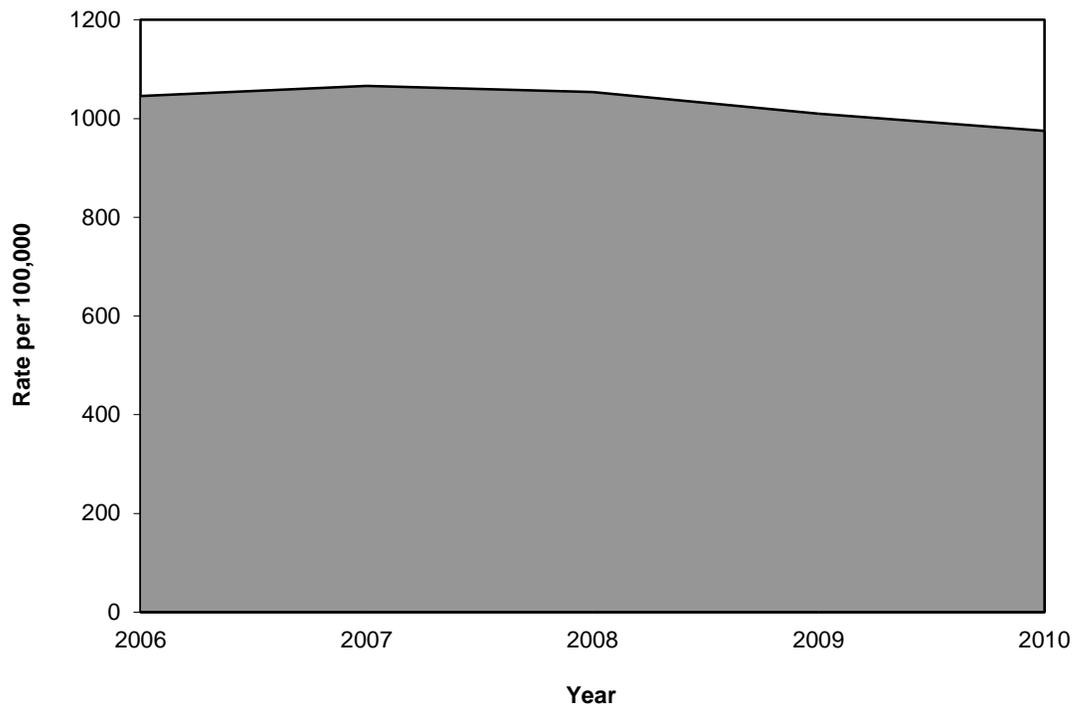
Regional Trends

- The Southeast Health District showed the highest age-specific injury hospitalization rates, while the North Central and South Central Health Districts showed the lowest rates. However, other districts showed high rates for certain age groups.
- Nineteen counties showed age-adjusted injury hospitalization rates that were significantly higher than the comparable state rate. These counties appeared in three broad clusters, in the northeast and in the west, as well as the Philadelphia region.

INJURY HOSPITALIZATIONS: ALL INJURIES

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	141,085	1045.7
2007	145,380	1066.2
2008	147,490	1053.8
2009	145,111	1009.8
2010	142,074	975.1



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	750.5	1071.7	1017.4	851.1	1122.8	1087.8
2007	816.7	1099.0	1042.2	836.2	1141.6	1117.6
2008	824.8	1096.4	1067.7	786.7	1128.0	1103.7
2009	789.7	1017.0	1006.8	776.2	1102.0	1036.4
2010	799.5	970.9	986.7	712.0	1064.1	1016.6

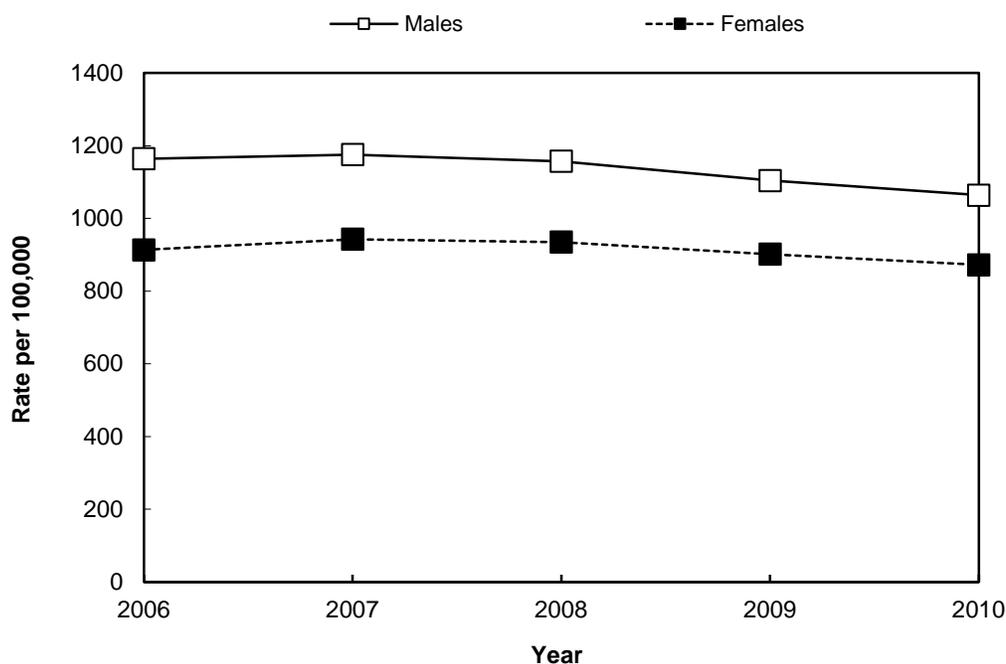
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.
See Technical Notes.

INJURY HOSPITALIZATIONS: ALL INJURIES

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	68,711	1,164.0 *	2006	72,366	913.7
2007	70,210	1,175.8 *	2007	75,149	943.0
2008	70,995	1,157.4 *	2008	76,451	934.8
2009	69,695	1,104.4 *	2009	75,348	901.6
2010	68,222	1,063.8 *	2010	73,811	872.2

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	1,216.9	1,032.4 *	2006	931.4	867.9 *
2007	1,228.6	1,043.6 *	2007	955.9	910.1 *
2008	1,192.3	1,068.3 *	2008	942.4	915.9 *
2009	1,141.9	1,008.6 *	2009	912.5	874.0 *
2010	1,105.7	959.5 *	2010	877.9	859.4 *

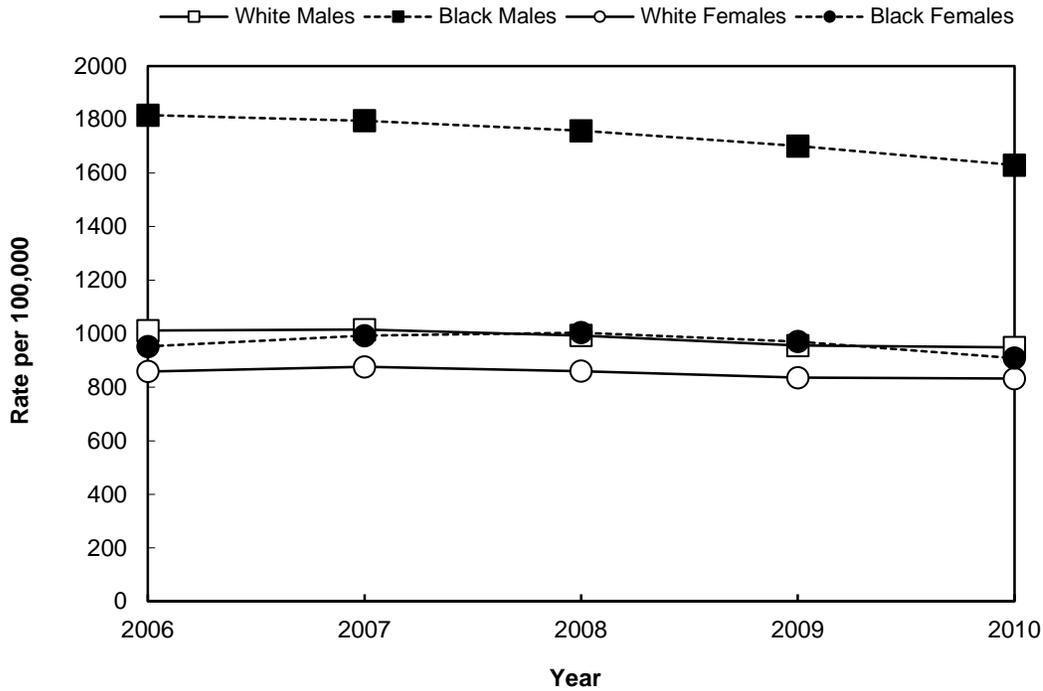
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL INJURIES

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	52,519	10,309	61,862	6,405	2,261	1,210
2007	53,364	10,196	63,405	6,720	2,517	1,654
2008	53,899	10,125	64,008	6,920	2,784	1,856
2009	53,403	9,980	63,415	6,878	2,579	1,830
2010	52,414	9,897	62,624	6,504	2,451	1,647



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	1,011.3	1,816.3 *	858.8	952.0 *	954.7	596.5
2007	1,014.9	1,795.1 *	876.0	992.4 *	1,227.0	895.7
2008	993.4	1,758.0 *	859.9	1,003.7 *	1,333.4	954.7
2009	955.7	1,700.7 *	835.6	970.6 *	1,137.1	872.3
2010	948.4	1,629.8 *	832.1	908.7 *	1,026.5	773.6

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY HOSPITALIZATION: ALL INJURIES

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate										
TOTAL	721,140	1,151.5	347,833	1,142.6	373,125	1,159.3	530,922	1,168.5	190,218	1,106.5		
< 5	8,293	225.5	4,877	259.2	3,409	189.8	*	6,535	237.1	1,758	190.7	*
5-9	6,861	180.7	4,217	217.3	2,640	142.2	*	5,237	186.2	1,624	165.1	*
10-14	10,539	262.6	7,087	345.7	3,443	175.3	*	7,692	260.4	2,847	268.6	
15-19	28,944	626.6	18,610	798.0	10,321	451.2	*	20,872	627.5	8,072	624.3	
20-24	34,679	785.0	22,818	1,018.8	11,849	544.1	*	25,941	815.6	8,738	706.4	*
25-29	30,314	812.1	19,467	1,023.7	10,838	591.8	*	22,855	816.5	7,459	798.8	
30-34	26,652	716.2	16,969	906.4	9,665	522.7	*	20,017	729.1	6,635	680.0	*
35-39	30,026	748.9	18,341	919.5	11,675	579.5	*	22,256	757.4	7,770	725.5	*
40-44	37,494	852.8	22,795	1,047.0	14,685	661.7	*	28,299	881.1	9,195	776.0	*
45-49	44,416	956.7	26,931	1,176.6	17,466	742.0	*	33,676	997.5	10,740	847.8	*
50-54	45,013	991.9	26,350	1,185.0	18,651	805.9	*	33,900	1,034.1	11,113	882.2	*
55-59	40,781	1,003.3	22,716	1,152.1	18,057	862.7	*	30,375	1,045.1	10,406	898.4	*
60-64	37,835	1,110.4	19,526	1,200.8	18,298	1,027.3	*	27,651	1,148.7	10,184	1,018.3	*
65-69	36,577	1,367.4	17,124	1,389.1	19,449	1,348.7	*	26,025	1,397.0	10,552	1,299.6	*
70-74	41,888	1,890.8	17,717	1,818.1	24,167	1,947.6	*	29,943	1,936.6	11,945	1,785.1	*
75-79	58,389	3,129.9	22,230	2,900.7	36,150	3,288.8	*	41,815	3,186.8	16,574	2,994.8	*
80-84	77,691	5,371.3	26,079	4,757.3	51,601	5,744.8	*	56,331	5,474.4	21,360	5,117.1	*
85 +	124,748	8,980.8	33,979	8,078.3	90,761	9,371.9	*	91,502	9,183.6	33,246	8,466.3	*

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: ALL INJURIES

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	265,599	1,025.3	50,507	1,578.8	315,314	1,155.4	33,427	946.5	20,789	683.1		
< 5	2,716	182.2	1,166	450.4	*	1,896	133.7	787	312.5	*	848	247.1
5-9	2,653	170.7	875	337.1	*	1,675	113.1	522	208.5	*	532	172.9
10-14	4,919	297.0	1,300	465.7	*	2,390	151.2	606	225.0	*	571	199.4
15-19	12,482	659.2	3,858	1,225.7	*	7,513	403.8	1,536	500.8	*	1,425	478.5
20-24	15,282	839.3	4,473	1,501.9	*	8,525	482.9	1,900	644.3	*	1,879	687.7
25-29	13,066	844.4	3,787	1,528.8	*	7,885	534.1	1,744	700.6	*	1,702	672.6
30-34	11,117	720.2	3,424	1,568.9	*	6,945	460.6	1,605	696.8	*	1,695	715.9
35-39	12,471	742.6	3,664	1,729.8	*	8,601	513.0	1,914	824.1	*	1,552	684.9
40-44	15,889	849.6	4,545	2,108.4	*	10,907	579.1	2,456	1,013.6	*	1,624	800.5
45-49	19,158	957.2	5,350	2,544.9	*	13,212	650.9	2,897	1,195.7	*	1,509	857.4
50-54	19,191	972.6	4,962	2,671.2	*	14,592	721.9	2,827	1,268.3	*	1,331	1,010.4
55-59	17,287	976.5	3,688	2,476.5	*	14,527	786.3	2,275	1,216.0	*	1,012	1,002.9
60-64	15,499	1,052.0	2,523	2,253.6	*	15,188	956.6	1,872	1,262.3	*	939	1,319.6
65-69	14,151	1,255.9	1,757	2,245.8	*	16,596	1,275.7	1,644	1,490.3	*	784	1,635.4
70-74	15,069	1,685.3	1,508	2,472.4	*	21,093	1,875.6	1,687	1,791.3		743	2,207.4
75-79	19,703	2,775.2	1,324	2,996.2	*	32,533	3,232.7	1,913	2,470.7	*	780	3,250.1
80-84	23,674	4,639.0	1,154	3,784.4	*	47,361	5,723.5	1,971	3,279.6	*	787	5,113.7
85 +	31,272	8,017.1	1,149	4,632.1	*	83,875	9,369.4	3,271	5,259.3	*	1,076	7,106.5

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY HOSPITALIZATIONS: ALL INJURIES

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
TOTAL	54,683	1,178.8	30,386	888.2	93,489	1,190.0	174,640	1,290.0	71,259	868.7	296,683	1,188.1	
< 5	483	189.0	- 368	207.5	1,027	237.5	1,288	180.9	- 789	159.4	- 4,338	270.2	+
5-9	420	154.5	- 323	177.7	910	198.3	+ 1,214	160.4	- 688	135.9	- 3,306	204.0	+
10-14	808	274.0	453	233.9	- 1,520	301.9	+ 2,177	267.5	997	188.4	- 4,584	273.1	+
15-19	2,234	638.2	1,294	414.8	- 3,876	670.2	+ 6,017	635.8	2,963	515.1	- 12,560	676.2	+
20-24	2,448	773.3	1,529	425.3	- 4,262	794.9	7,530	842.3	+ 3,287	623.9	- 15,623	875.5	+
25-29	2,162	830.1	1,204	665.0	- 3,536	794.0	6,712	883.1	+ 2,881	591.1	- 13,819	864.4	+
30-34	2,001	752.8	+ 978	518.9	- 3,335	741.1	5,948	773.8	+ 2,559	518.1	- 11,831	761.2	+
35-39	2,310	811.1	+ 1,162	573.8	- 3,705	743.7	6,473	774.2	+ 3,098	576.5	- 13,278	804.5	+
40-44	2,586	822.1	1,392	629.2	- 4,742	855.8	8,218	876.9	+ 3,622	616.7	- 16,934	950.2	+
45-49	3,187	940.4	1,635	694.6	- 5,367	914.0	- 9,871	965.8	4,057	659.2	- 20,299	1,101.0	+
50-54	3,254	960.6	1,661	711.8	- 5,398	935.9	- 10,418	1,006.8	4,023	672.7	- 20,259	1,153.4	+
55-59	3,070	993.7	1,664	778.3	- 4,868	929.6	- 9,786	1,042.2	+ 3,915	717.2	- 17,478	1,139.8	+
60-64	2,775	1,050.2	- 1,636	886.7	- 4,905	1,074.0	- 8,898	1,133.1	3,949	859.2	- 15,672	1,246.8	+
65-69	3,125	1,459.3	+ 1,705	1,107.3	- 4,757	1,319.0	- 8,927	1,456.8	+ 3,761	1,021.9	- 14,302	1,481.6	+
70-74	3,453	1,908.3	1,967	1,544.3	- 5,560	1,903.9	10,413	1,978.0	+ 4,478	1,512.2	- 16,017	2,021.2	+
75-79	4,809	3,154.4	2,667	2,560.2	- 7,929	3,288.3	+ 15,429	3,358.7	+ 6,078	2,515.4	- 21,477	3,221.0	+
80-84	6,193	5,292.7	3,460	4,425.9	- 10,594	5,721.3	+ 21,534	5,774.8	+ 7,974	4,523.6	- 27,936	5,404.7	
85 +	9,365	8,597.5	- 5,288	7,265.0	- 17,198	9,799.1	+ 33,787	9,363.5	+ 12,140	7,437.1	- 46,970	9,250.4	+

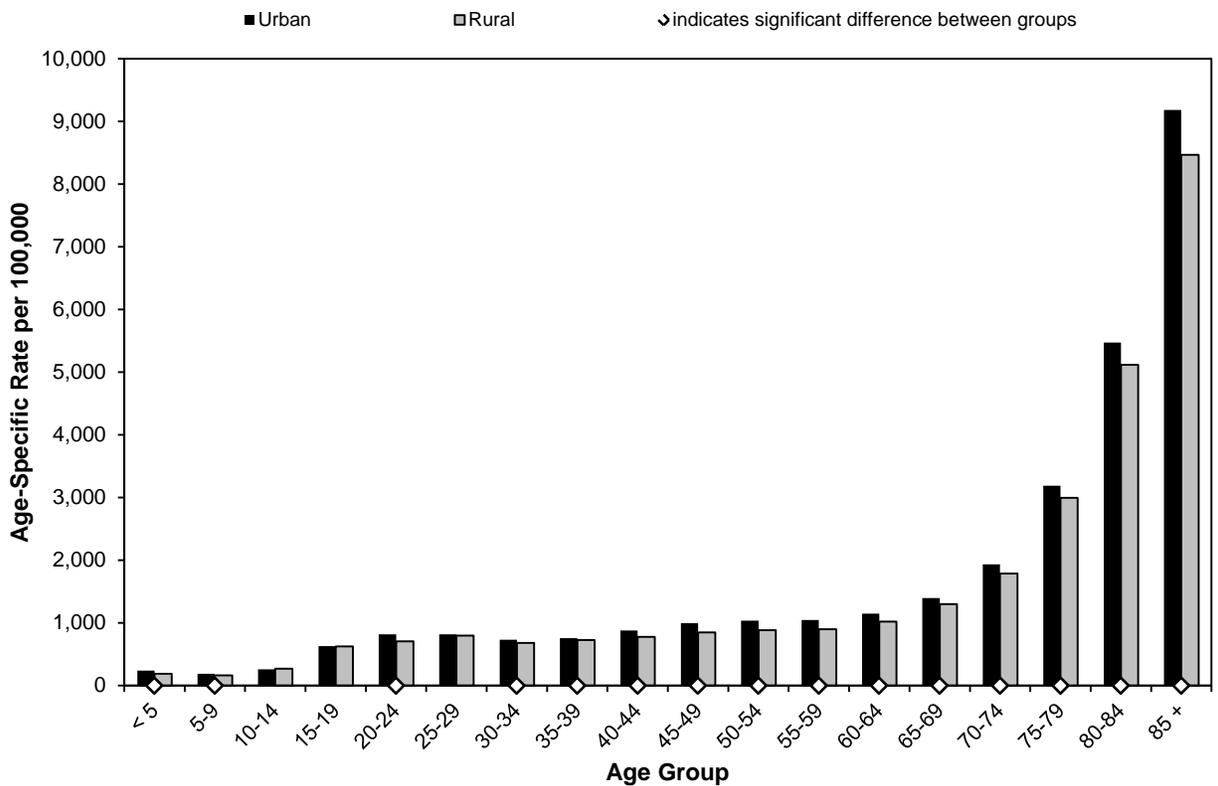
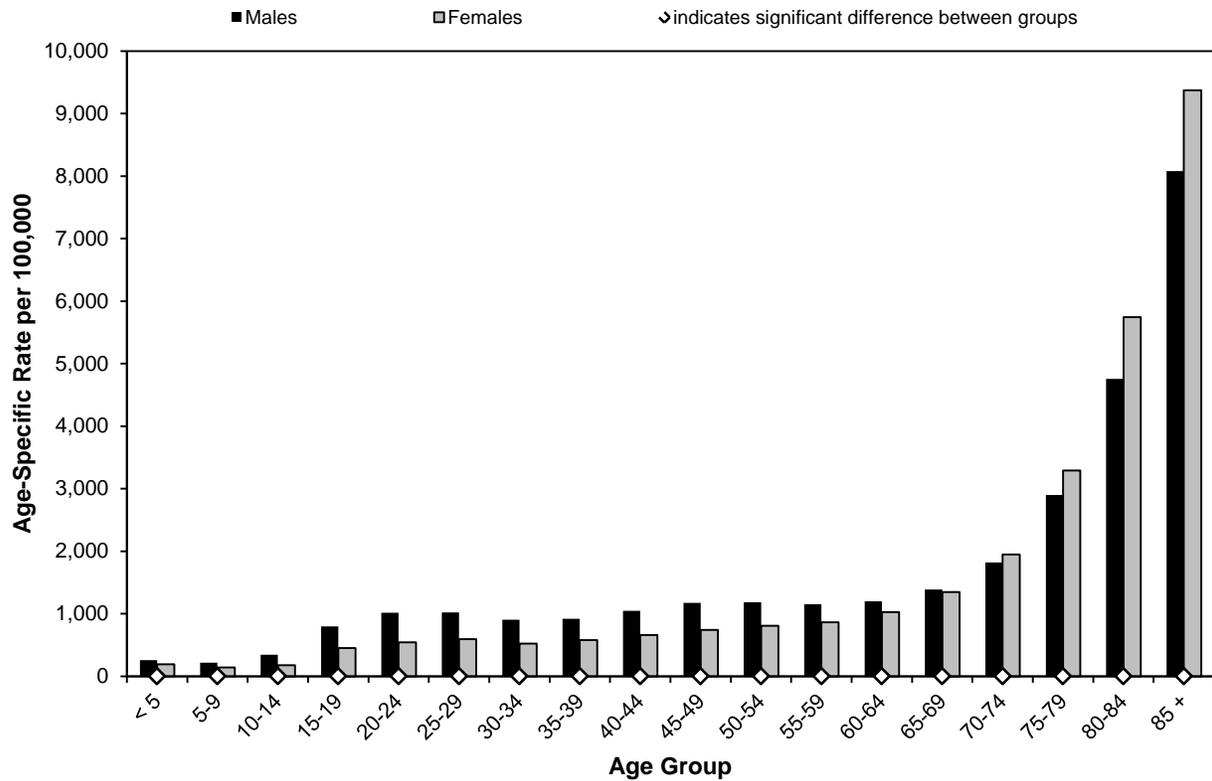
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

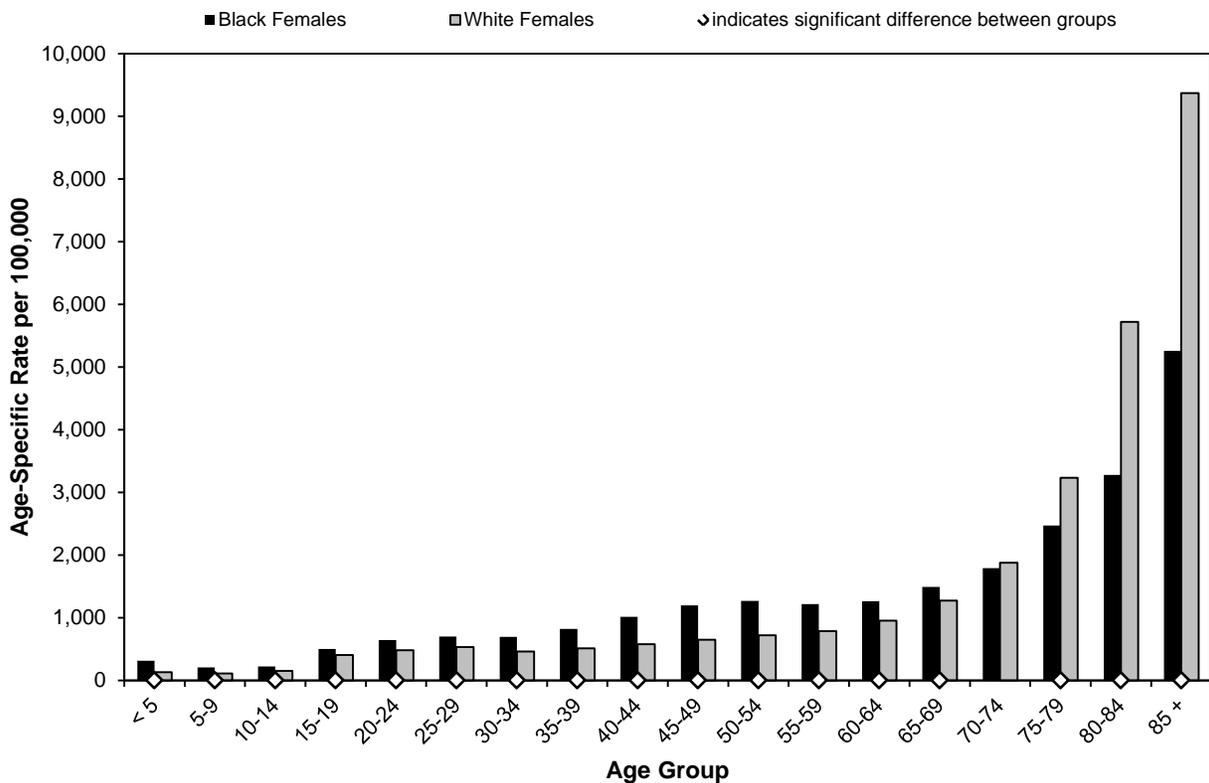
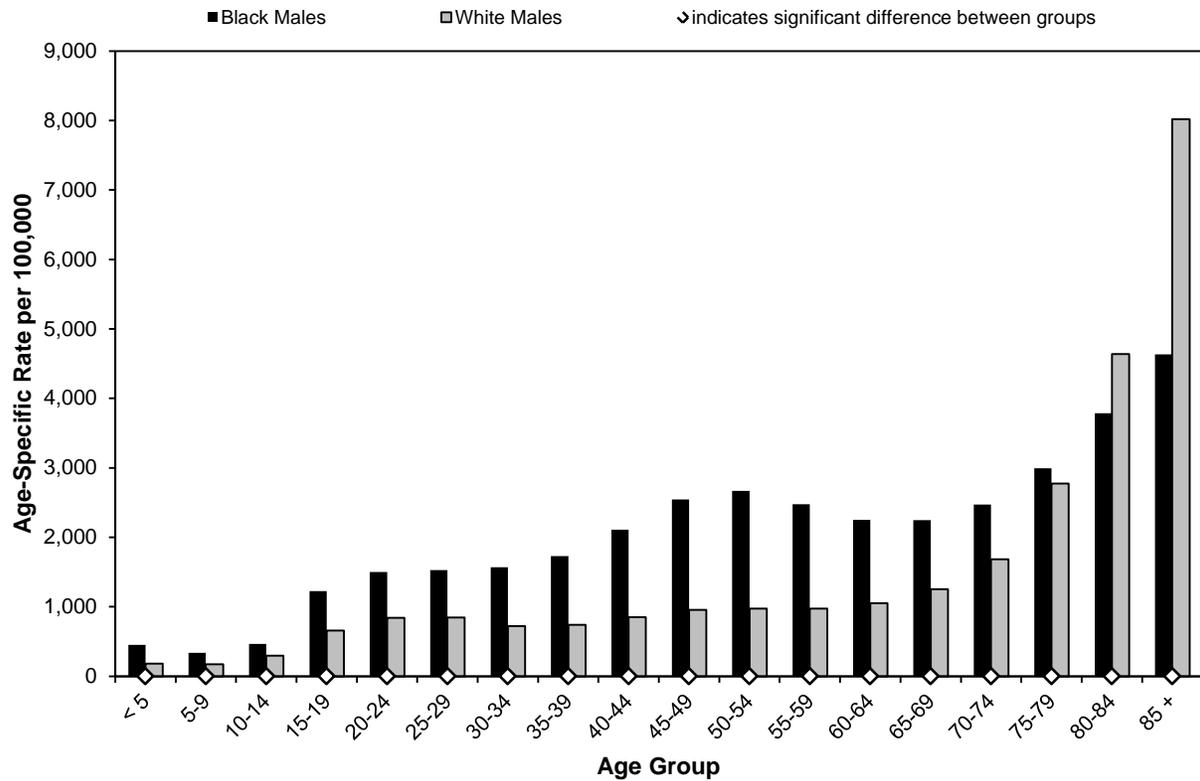
INJURY HOSPITALIZATION: ALL INJURIES

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: ALL INJURIES

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: ALL INJURIES

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

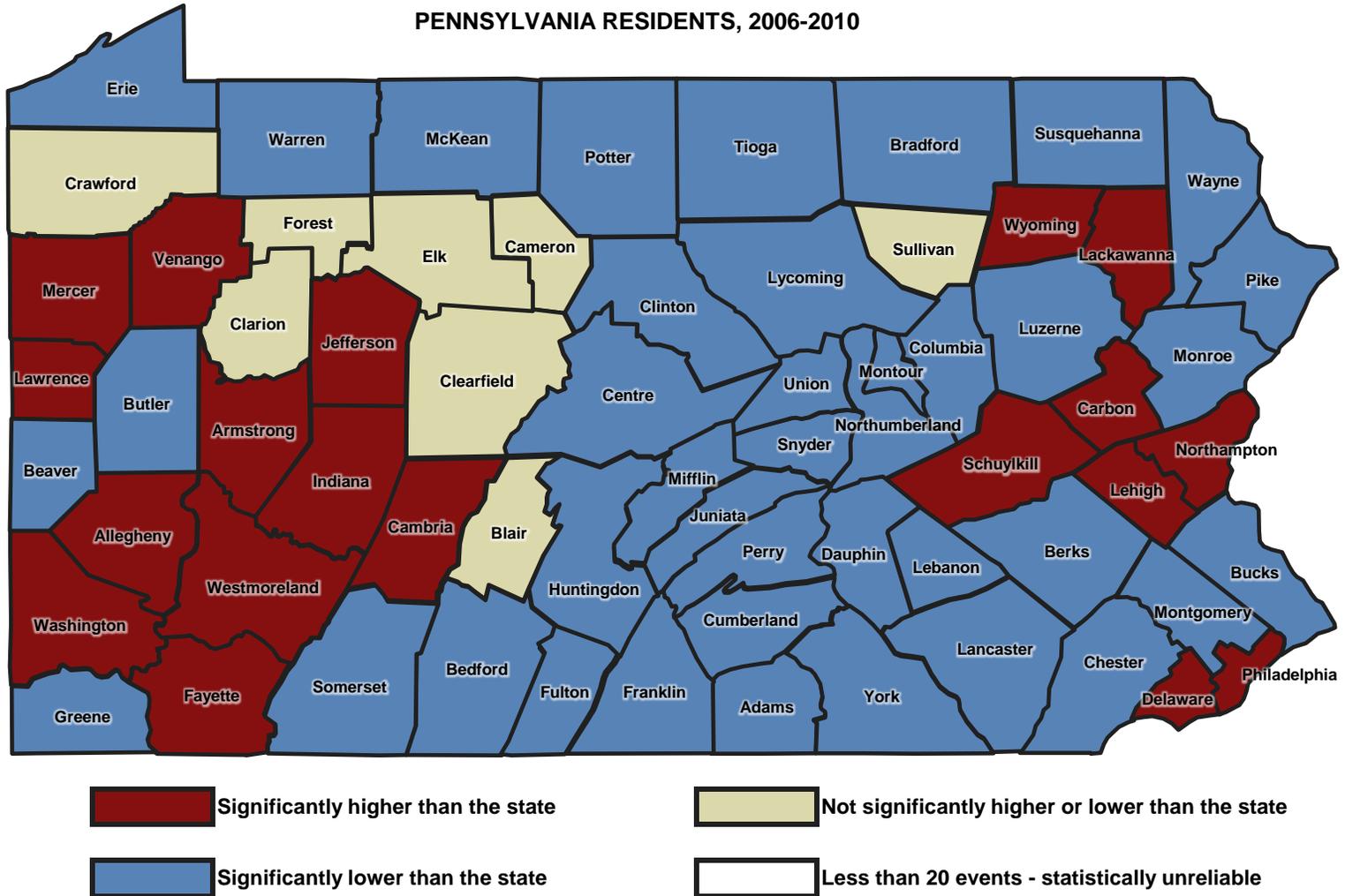
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	93,489	1,047.9	1041.1-1054.7 +	Southeast	296,683	1,110.2	1106.2-1114.2 +
Carbon	4,841	1,340.5	1302.3-1378.8 +	Berks	19,914	911.7	899.1-924.4 -
Lackawanna	13,761	1,073.0	1054.6-1091.5 +	Bucks	32,492	994.9	984.1-1005.7 -
Lehigh	19,587	1,049.3	1034.6-1064 +	Chester	20,260	826.7	815.4-837.9 -
Luzerne	18,298	937.2	923.2-951.2 -	Delaware	40,083	1,302.6	1289.8-1315.3 +
Monroe	7,999	988.3	966.5-1010.1 -	Lancaster	22,391	824.8	814-835.6 -
Northampton	20,998	1,276.0	1258.7-1293.2 +	Montgomery	41,710	944.4	935.4-953.5 -
Pike	1,484	474.7	449.8-499.6 -	Philadelphia	109,134	1,438.3	1429.8-1446.9 +
Susquehanna	1,896	792.8	756.1-829.5 -	Schuylkill	10,699	1,218.8	1195-1242.5 +
Wayne	2,887	966.6	930.1-1003.1 -				
Wyoming	1,738	1,183.7	1127.9-1239.5 +				
North Central	30,386	794.8	785.6-803.9 -	South Central	71,259	790.1	784.3-795.9 -
Bradford	3,044	884.0	851.9-916 -	Adams	3,554	645.1	623.8-666.4 -
Centre	5,196	788.3	766.4-810.1 -	Bedford	2,100	750.2	717.2-783.1 -
Clinton	1,837	857.6	817.2-897.9 -	Blair	7,585	1,026.3	1002.7-1049.9
Columbia	3,451	959.1	926.1-992.1 -	Cumberland	10,129	780.1	764.9-795.4 -
Lycoming	5,424	795.9	774.4-817.4 -	Dauphin	10,767	783.1	768.2-798 -
Montour	952	947.4	885.2-1009.6 -	Franklin	6,143	746.1	727.2-765 -
Northumberland	5,133	921.6	895.4-947.8 -	Fulton	680	825.4	762.8-888 -
Potter	740	729.5	674.9-784.1 -	Huntingdon	2,147	856.7	820.2-893.1 -
Snyder	1,366	649.1	614.3-683.8 -	Juniata	911	678.8	634-723.6 -
Sullivan	373	971.2	861.8-1080.6	Lebanon	4,761	646.0	627.3-664.6 -
Tioga	1,220	522.9	492.3-553.5 -	Mifflin	2,386	908.9	871.5-946.2 -
Union	1,650	693.9	660.1-727.6 -	Perry	2,084	904.9	865.8-944 -
				York	18,012	807.9	796.2-819.7 -
Northwest	54,683	1,022.1	1013.4-1030.8	Southwest	174,640	1,070.8	1065.6-1075.9 +
Cameron	382	1,143.9	1019.8-1268.1	Allegheny	81,637	1,101.9	1094.1-1109.6 +
Clarion	2,327	1,041.3	997.5-1085	Armstrong	4,871	1,207.4	1172.3-1242.6 +
Clearfield	4,758	1,001.1	972.1-1030.2	Beaver	9,456	917.0	897.8-936.2 -
Crawford	5,013	1,009.0	980.7-1037.4	Butler	9,990	975.2	955.9-994.4 -
Elk	2,088	1,068.8	1021.2-1116.5	Cambria	10,697	1,204.0	1180.2-1227.8 +
Erie	13,782	908.7	893.4-924 -	Fayette	8,811	1,051.8	1029.1-1074.5 +
Forest	422	1,063.6	957.6-1169.6	Greene	1,571	705.3	670-740.5 -
Jefferson	2,858	1,083.5	1042.7-1124.3 +	Indiana	5,738	1,160.3	1129-1191.6 +
Lawrence	6,690	1,191.5	1161.8-1221.1 +	Somerset	4,643	971.9	942.9-1000.8 -
McKean	2,396	932.7	894.9-970.4 -	Washington	13,476	1,099.1	1080.1-1118 +
Mercer	8,755	1,237.0	1210.3-1263.7 +	Westmoreland	23,750	1,071.1	1057-1085.2 +
Venango	3,410	1,092.8	1055.1-1130.5 +				
Warren	1,802	739.2	703.8-774.5 -	Pennsylvania	721,140	1,028.3	1025.9-1030.7

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY HOSPITALIZATIONS: ALL INJURIES

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY,
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE
PENNSYLVANIA RESIDENTS, 2006-2010



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL INJURIES

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	347,833	373,125	721,140	54,637	339.2	91,645	772.0	111,936	857.8	123,629	1,029.4	339,293	3,537.5
Northeast	43,890	49,523	93,489	7,333	371.6	11,133	777.7	13,814	842.6	15,171	974.3	46,038	3,669.9
Carbon	2,295	2,544	4,841	358	508.3	638	1,074.0	752	1,123.3	748	1,120.9	2,345	4,266.6
Lackawanna	6,093	7,665	13,761	891	352.4	1,492	754.3	1,838	881.0	2,257	1,104.4	7,283	3,872.7
Lehigh	9,499	10,087	19,587	1,696	378.7	2,701	839.6	3,028	856.0	3,070	945.0	9,092	3,528.4
Luzerne	7,903	10,334	18,298	1,181	327.0	1,916	665.6	2,368	725.8	2,880	927.0	9,953	3,491.4
Monroe	4,123	3,872	7,999	805	345.0	1,008	687.6	1,499	801.3	1,597	973.6	3,090	3,069.6
Northampton	10,058	10,939	20,998	1,673	426.0	2,511	916.3	3,047	992.5	3,180	1,122.8	10,587	4,826.8
Pike	790	693	1,484	166	233.3	184	405.6	278	421.1	346	517.4	510	1,133.4
Susquehanna	876	1,020	1,896	154	308.3	186	549.8	291	694.4	273	576.3	992	2,852.4
Wayne	1,412	1,473	2,887	251	449.3	303	729.5	441	825.8	518	860.1	1,374	2,875.3
Wyoming	841	896	1,738	158	416.7	194	830.5	272	951.9	302	1,049.2	812	3,841.2
Southeast	150,053	146,600	296,683	24,788	366.6	41,273	835.9	50,511	957.3	53,409	1,174.6	126,702	3,673.4
Berks	9,819	10,094	19,914	1,645	290.8	2,362	634.5	3,155	735.3	3,390	916.2	9,362	3,247.8
Bucks	15,562	16,928	32,492	2,642	328.6	3,840	741.9	5,032	695.9	5,621	881.1	15,357	3,533.7
Chester	9,370	10,890	20,260	1,359	196.8	2,292	517.2	2,945	530.3	3,659	788.9	10,005	3,282.6
Delaware	19,468	20,613	40,083	3,083	410.7	5,081	951.7	6,121	1,054.6	6,994	1,343.1	18,804	4,756.9
Lancaster	10,930	11,459	22,391	2,095	292.5	2,898	605.3	3,284	649.6	3,463	766.6	10,651	2,876.8
Montgomery	19,114	22,587	41,710	2,910	289.5	4,448	636.1	5,384	614.8	6,918	922.9	22,050	3,786.3
Philadelphia	60,758	48,374	109,134	10,213	493.9	18,977	1,078.6	22,872	1,584.8	21,640	1,789.6	35,432	3,772.2
Schuylkill	5,032	5,655	10,699	841	519.3	1,375	1,033.1	1,718	1,047.7	1,724	1,198.5	5,041	3,753.5

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	347,833	373,125	721,140	54,637	339.2	91,645	772.0	111,936	857.8	123,629	1,029.4	339,293	3,537.5
North Central	14,079	16,245	30,386	2,438	281.9	3,711	509.0	4,189	635.5	4,961	785.4	15,087	2,812.2
Bradford	1,397	1,646	3,044	266	337.8	428	838.6	451	707.6	519	829.8	1,380	2,610.7
Centre	2,322	2,868	5,196	378	198.1	778	344.8	722	584.8	846	779.6	2,472	3,010.7
Clinton	854	977	1,837	135	268.1	212	575.8	231	669.1	294	850.0	965	3,089.3
Columbia	1,602	1,841	3,451	262	308.2	449	646.2	501	843.6	591	981.2	1,648	3,107.9
Lycoming	2,510	2,902	5,424	404	281.7	554	495.9	711	602.9	907	789.0	2,848	2,964.1
Montour	434	516	952	90	409.6	124	878.2	159	877.4	162	858.1	417	2,550.9
Northumberland	2,343	2,776	5,133	411	386.3	574	751.3	660	685.1	800	845.3	2,688	3,132.5
Potter	348	391	740	62	278.9	70	523.3	103	625.6	115	652.3	390	2,476.5
Snyder	663	702	1,366	140	269.4	144	364.1	173	457.9	210	593.3	699	2,501.6
Sullivan	187	184	373	18	248.0	37	865.9	62	1,122.2	66	992.5	190	2,546.2
Tioga	566	651	1,220	116	209.1	127	357.4	183	489.8	225	555.1	569	1,565.6
Union	853	791	1,650	156	305.4	214	418.9	233	480.4	226	609.7	821	2,605.1
South Central	33,594	37,658	71,259	5,437	258.2	8,727	578.6	10,777	619.3	11,887	741.3	34,431	2,764.9
Adams	1,753	1,801	3,554	258	191.8	376	405.6	535	495.0	601	616.6	1,784	2,412.7
Bedford	974	1,126	2,100	204	336.5	264	646.0	315	602.6	347	688.9	970	2,179.7
Blair	3,523	4,062	7,585	499	320.4	965	857.3	1,049	834.2	1,343	1,062.3	3,729	3,391.8
Cumberland	4,526	5,603	10,129	619	213.5	1,020	440.3	1,304	554.8	1,616	742.5	5,570	3,145.5
Dauphin	5,196	5,571	10,767	968	289.0	1,428	606.8	1,787	630.1	1,957	748.0	4,627	2,600.2
Franklin	2,824	3,318	6,143	422	221.7	620	477.2	831	578.7	936	687.1	3,334	2,785.9
Fulton	302	378	680	56	304.1	80	608.3	82	525.5	119	801.2	343	2,781.2
Huntingdon	1,094	1,052	2,147	167	317.0	374	822.2	321	654.2	378	844.9	907	2,505.4
Juniata	438	471	911	73	236.3	103	513.1	114	476.8	132	576.9	489	2,466.8
Lebanon	2,198	2,563	4,761	484	296.3	534	436.4	660	511.2	726	583.1	2,357	2,173.4
Mifflin	1,069	1,315	2,386	179	296.0	299	780.1	365	786.7	405	910.0	1,138	2,710.8
Perry	1,082	1,002	2,084	239	395.2	288	721.0	362	731.9	399	840.4	796	2,693.3
York	8,615	9,396	18,012	1,269	229.4	2,376	615.9	3,052	638.2	2,928	705.9	8,387	2,853.9

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	347,833	373,125	721,140	54,637	339.2	91,645	772.0	111,936	857.8	123,629	1,029.4	339,293	3,537.5
Northwest	25,706	28,976	54,683	3,945	336.5	6,611	784.4	8,083	861.5	9,099	997.8	26,945	3,483.6
Cameron	174	208	382	18	292.4	46	1,179.8	51	1,028.0	58	954.4	209	3,974.9
Clarion	1,164	1,163	2,327	157	301.4	294	748.9	327	882.2	362	956.7	1,187	3,530.1
Clearfield	2,350	2,408	4,758	380	420.8	618	832.5	774	848.9	814	984.8	2,172	3,000.0
Crawford	2,422	2,591	5,013	354	301.7	623	800.4	707	812.7	946	1,057.2	2,383	3,304.0
Elk	943	1,145	2,088	176	458.8	228	929.9	271	755.2	331	997.2	1,082	3,599.5
Erie	6,519	7,263	13,782	1,015	271.5	1,923	677.2	2,357	841.4	2,325	896.9	6,162	3,053.9
Forest	236	186	422	25	431.5	37	378.1	63	933.1	88	1,356.8	209	3,506.7
Jefferson	1,472	1,386	2,858	239	434.8	359	931.9	402	881.5	412	902.2	1,446	3,523.4
Lawrence	3,012	3,677	6,690	418	369.8	720	956.6	875	966.3	1,036	1,136.1	3,641	4,320.0
McKean	1,041	1,355	2,396	183	338.9	297	757.2	285	612.3	356	862.3	1,275	3,461.9
Mercer	3,850	4,905	8,755	569	379.9	847	850.5	1,239	1,073.5	1,407	1,222.1	4,693	4,478.3
Venango	1,648	1,762	3,410	272	401.6	433	974.2	512	930.0	620	1,055.3	1,573	3,286.2
Warren	875	927	1,802	139	283.7	186	575.8	220	521.6	344	765.1	913	2,436.4
Southwest	80,511	94,123	174,640	10,696	331.2	20,190	833.4	24,562	878.7	29,102	1,054.8	90,090	3,862.7
Allegheny	37,433	44,203	81,637	4,595	314.1	9,098	796.9	11,291	902.9	13,916	1,143.8	42,737	4,158.3
Armstrong	2,327	2,544	4,871	390	465.4	637	1,198.5	669	928.9	741	1,024.2	2,434	3,837.3
Beaver	4,322	5,134	9,456	609	302.3	1,187	830.5	1,458	815.3	1,608	883.1	4,594	2,903.7
Butler	4,790	5,200	9,990	754	311.4	1,119	702.4	1,407	704.4	1,561	867.2	5,149	3,811.8
Cambria	4,856	5,841	10,697	684	412.6	1,369	1,077.8	1,518	1,039.4	1,768	1,182.2	5,358	3,953.1
Fayette	4,210	4,600	8,811	551	330.4	1,194	996.2	1,369	915.3	1,580	1,039.8	4,117	3,285.7
Greene	726	844	1,571	118	262.0	202	521.3	222	524.0	246	595.1	783	2,634.4
Indiana	2,629	3,109	5,738	414	361.9	691	744.7	760	952.5	908	1,091.0	2,965	4,264.7
Somerset	2,274	2,369	4,643	326	385.1	516	744.7	643	772.0	715	906.0	2,443	3,375.9
Washington	6,230	7,246	13,476	866	348.9	1,448	794.5	1,977	938.6	2,281	1,067.9	6,904	3,859.6
Westmoreland	10,714	13,033	23,750	1,389	335.8	2,729	922.6	3,248	849.2	3,778	970.5	12,606	3,746.0

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL INJURIES

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	11,109	1,407.1	1380.8-1433.4	Allegheny	67,931	1,032.7	1024.6-1040.8	Berks	1,480	758.4	710.7-806.2
Chester	1,264	894.3	844.1-944.5	Chester	17,877	803.7	792-815.3	Lancaster	496	363.1	323.9-402.3
Dauphin	1,814	849.7	809.9-889.5	Dauphin	8,216	723.0	707.1-739	Lehigh	1,704	786.6	739.8-833.3
Delaware	6,375	1,355.4	1321.3-1389.6	Delaware	31,845	1,261.9	1247.7-1276	Philadelphia	7,841	1,111.9	1084.4-1139.5
Montgomery	3,143	982.8	948.1-1017.5	Montgomery	34,426	880.3	870.9-889.7				
Philadelphia	49,612	1,537.1	1523.5-1550.7	Philadelphia	45,058	1,125.7	1115-1136.4				
Pennsylvania	83,941	1325.9	1316.9-1334.9	Pennsylvania	581,067	925.2	922.7-927.6	Pennsylvania	20,795	980.1	964.7-995.4

NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
County and Race	Cty. Pop.			All Ages	Cty. Total											
Allegheny	White	82.7%	29,539	38,392	67,931	83.2%	2,770	251.2	6,242	691.3	8,473	805.5	11,139	1,046.7	39,307	4,254.4
	Black	13.4%	6,417	4,692	11,109	13.6%	1,527	555.4	2,325	1,351.7	2,376	1,555.4	2,349	1,831.8	2,532	2,814.0
Chester	White	88.7%	8,004	9,873	17,877	88.2%	1,099	184.3	1,755	461.6	2,426	491.7	3,231	755.7	9,366	3,314.1
	Black	6.2%	705	559	1,264	6.2%	117	236.6	251	720.8	291	982.2	258	1,126.1	347	2,232.2
Dauphin	White	76.3%	3,701	4,515	8,216	76.3%	560	249.2	859	498.6	1,176	535.6	1,467	678.7	4,154	2,686.7
	Black	17.9%	1,067	747	1,814	16.8%	266	333.1	384	816.1	428	881.6	394	1,073.9	342	1,730.2
Delaware	White	75.0%	14,643	17,200	31,845	79.4%	1,849	357.7	3,425	931.1	4,216	978.2	5,391	1,265.4	16,964	4,915.8
	Black	18.9%	3,762	2,613	6,375	15.9%	972	555.1	1,339	1,041.3	1,540	1,403.2	1,249	1,754.3	1,275	3,218.6
Montgomery	White	83.7%	15,206	19,213	34,426	82.5%	2,158	266.3	3,179	570.6	4,082	564.3	5,550	848.4	19,457	3,665.9
	Black	8.7%	1,813	1,330	3,143	7.5%	318	322.0	584	769.0	659	826.9	721	1,301.2	861	2,693.7
Philadelphia	White	45.6%	21,617	23,440	45,058	41.3%	1,804	233.9	5,779	702.9	6,903	1,049.8	8,229	1,391.3	22,343	4,147.8
	Black	45.3%	30,195	19,417	49,612	45.5%	5,792	537.1	9,470	1,285.0	12,902	1,961.9	11,161	2,104.3	10,287	2,870.9
Pennsylvania	White	84.9%	265,599	315,314	581,067	80.6%	36,270	280.4	62,848	650.5	80,276	720.5	96,311	902.4	305,362	3,475.6
	Black	10.7%	50,507	33,427	83,941	11.6%	10,652	486.3	16,937	1,101.3	20,826	1,537.6	18,148	1,805.9	17,378	2,702.9

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

In 2010, among Pennsylvania residents, there were 67,061 hospitalizations due to unintentional falls. On average, one resident was hospitalized every eight minutes.

Injury Definition

Unintentional falls include:

- slips, trips and stumbles on same level;
- falls due to collision with another person;
- falls down stairs, off a toilet, bed or chair, or another fall from one level to another.

The type of fall often varies by age and gender.

Falls involving intentionally jumping off or being pushed from a high place are *not* included.

HIGHLIGHTS

- *Age-adjusted rates have generally been **stable** over 2006 to 2010.*
- *The most common demographic is **white females, 55 and older.***
- *Of all Pennsylvania counties, **Northampton and Delaware** show the highest rates.*

Trends Over Time

- Age-adjusted hospitalization rates for unintentional falls increased from 2006 to 2008, from 435.9 to 452.9 hospitalizations per 100,000 population. Rates then decreased to 419.0 hospitalizations per 100,000 population in 2010.
- Females showed significantly higher age-adjusted falls hospitalization rates than males over 2006 to 2010 (rates were 433.4 and 385.7, respectively, in 2010).
- White females showed significantly higher age-adjusted falls hospitalization rates than black females over 2006 to 2010 (rates were 425.0 and 347.1, respectively, in 2010).

Demographic Trends

- Males showed significantly higher falls hospitalization rates for ages under 55, while females showed significantly higher rates for ages 60 and older.
- Blacks showed higher falls hospitalization rates for ages under 70, while whites showed significantly higher rates for ages 75 and older.

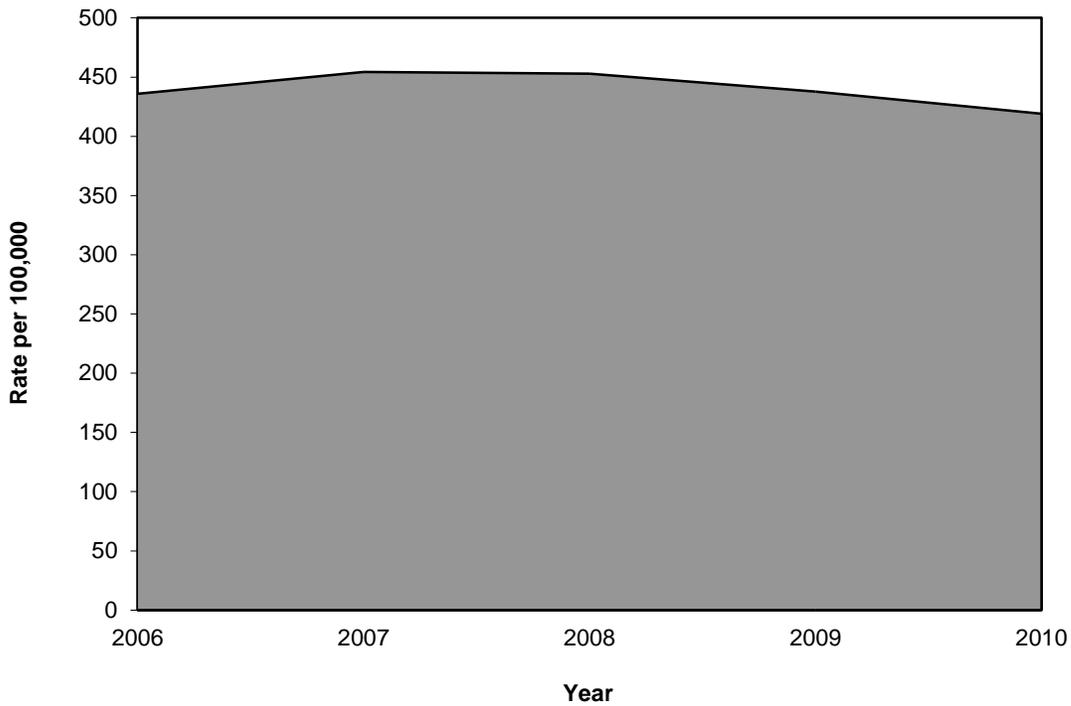
Regional Trends

- Unintentional falls accounted for nearly half of all injury hospitalizations in most counties.
- The Southwest Health District showed the highest age-specific falls hospitalization rates, while the North Central Health District showed the lowest rates.
- Seventeen counties showed age-adjusted falls hospitalization rates for 2010 that were significantly higher than the comparable state rate.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	62,922	435.9
2007	66,488	454.3
2008	69,036	452.9
2009	69,050	437.7
2010	67,061	419.0



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	313.1	459.4	422.2	342.0	451.4	477.8
2007	352.2	488.7	430.5	356.3	476.5	483.6
2008	350.3	486.0	446.3	349.6	471.4	484.7
2009	337.0	439.9	412.5	353.3	471.0	460.9
2010	324.7	416.1	400.5	315.5	450.0	456.5

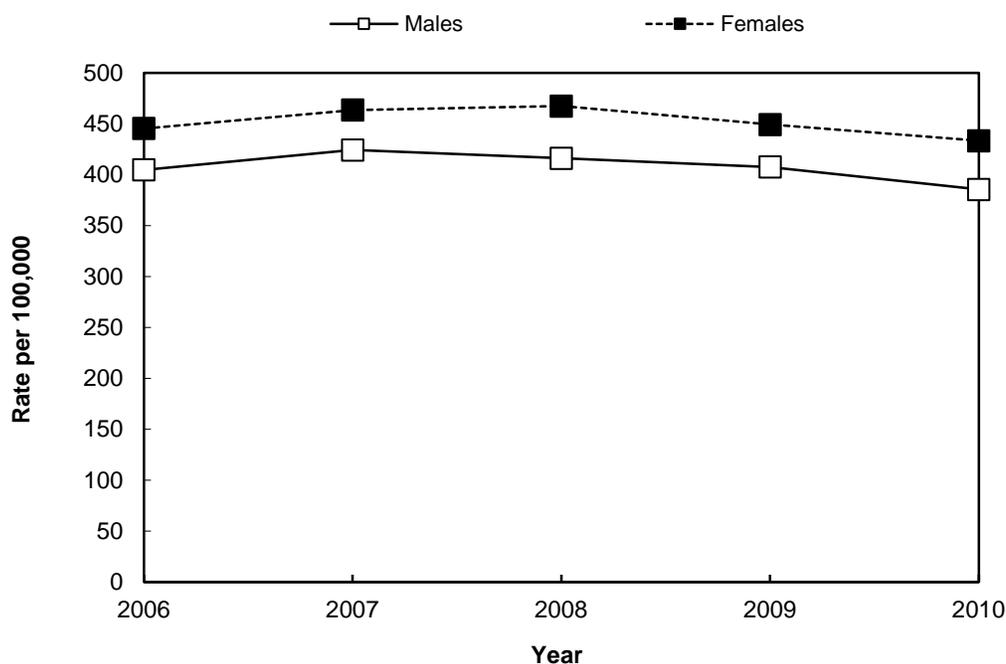
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.
See Technical Notes.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	22,985	404.8 *	2006	39,936	445.5
2007	24,674	424.4 *	2007	41,808	463.7
2008	25,529	416.3 *	2008	43,496	467.6
2009	26,109	407.7 *	2009	42,927	449.4
2010	25,205	385.7 *	2010	41,846	433.4

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	424.6	356.7 *	2006	456.7	416.4 *
2007	445.5	373.0 *	2007	474.6	435.4 *
2008	432.0	377.6 *	2008	476.8	443.5 *
2009	426.6	360.9 *	2009	461.9	416.6 *
2010	404.3	340.7 *	2010	444.9	403.0 *

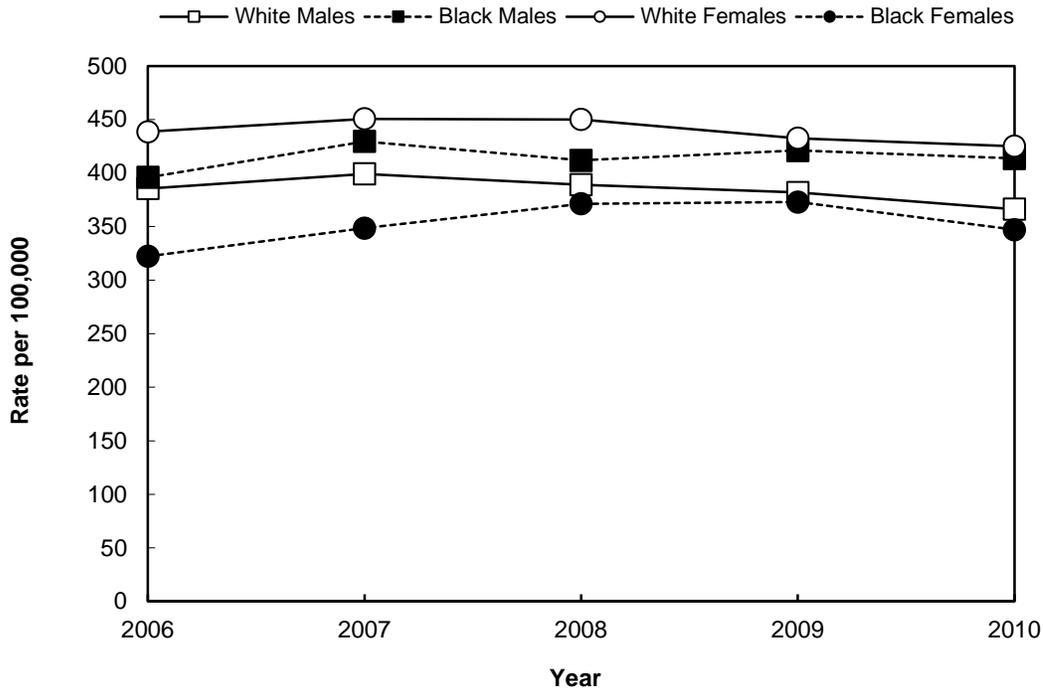
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	19,696	1,893	36,132	2,131	364	328
2007	20,871	2,056	37,283	2,332	562	602
2008	21,528	2,067	38,439	2,557	647	658
2009	22,088	2,150	37,921	2,660	646	685
2010	21,341	2,175	37,294	2,462	594	615



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	385.6	396.0	438.6	322.3 *	218.9	216.8
2007	399.2	429.5 *	450.6	348.6 *	407.0	425.3
2008	389.0	411.8 *	450.0	371.4 *	412.5	430.9
2009	381.8	421.0 *	432.5	372.9 *	379.7	417.5
2010	366.2	413.6 *	425.0	347.1 *	369.8	389.2

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY HOSPITALIZATION: UNINTENTIONAL FALLS

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	334,557	534.2	124,502	409.0	210,013	652.5		246,359	542.2	88,198	513.0	
< 5	2,425	65.9	1,474	78.3	948	52.8	*	1,928	70.0	497	53.9	*
5-9	2,286	60.2	1,388	71.5	898	48.4	*	1,781	63.3	505	51.3	*
10-14	2,464	61.4	1,725	84.1	738	37.6	*	1,921	65.0	543	51.2	*
15-19	3,108	67.3	2,199	94.3	908	39.7	*	2,347	70.6	761	58.9	*
20-24	3,414	77.3	2,158	96.4	1,255	57.6	*	2,669	83.9	745	60.2	*
25-29	3,620	97.0	2,196	115.5	1,424	77.8	*	2,841	101.5	779	83.4	*
30-34	3,913	105.2	2,301	122.9	1,611	87.1	*	3,050	111.1	863	88.4	*
35-39	5,065	126.3	2,974	149.1	2,091	103.8	*	3,860	131.4	1,205	112.5	*
40-44	7,434	169.1	4,382	201.3	3,050	137.4	*	5,643	175.7	1,791	151.1	*
45-49	11,030	237.6	6,379	278.7	4,646	197.4	*	8,496	251.7	2,534	200.0	*
50-54	14,218	313.3	7,493	337.0	6,724	290.5	*	10,773	328.6	3,445	273.5	*
55-59	16,185	398.2	7,854	398.3	8,329	397.9		12,118	416.9	4,067	351.1	*
60-64	17,976	527.6	8,126	499.7	9,846	552.8	*	13,209	548.7	4,767	476.6	*
65-69	19,732	737.7	8,181	663.6	11,549	800.8	*	14,116	757.7	5,616	691.7	*
70-74	25,627	1,156.8	9,671	992.4	15,955	1,285.8	*	18,486	1,195.6	7,141	1,067.2	*
75-79	39,619	2,123.7	13,572	1,771.0	26,043	2,369.3	*	28,582	2,178.3	11,037	1,994.3	*
80-84	57,178	3,953.1	17,500	3,192.3	39,670	4,416.5	*	41,603	4,043.1	15,575	3,731.3	*
85 +	99,263	7,146.1	24,929	5,926.7	74,328	7,675.1	*	72,936	7,320.2	26,327	6,704.4	*

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	105,524	407.3	10,341	323.2	187,069	685.5	12,142	343.8	5,701	187.3
< 5	922	61.9	257	99.3	597	42.1	167	66.3	238	69.4
5-9	954	61.4	224	86.3	640	43.2	111	44.3	165	53.6
10-14	1,229	74.2	299	107.1	552	34.9	114	42.3	113	39.5
15-19	1,683	88.9	290	92.1	619	33.3	178	58.0	110	36.9
20-24	1,586	87.1	288	96.7	832	47.1	249	84.4	199	72.8
25-29	1,639	105.9	290	117.1	969	65.6	275	110.5	197	77.9
30-34	1,617	104.8	332	152.1	1,139	75.5	290	125.9	240	101.4
35-39	2,212	131.7	446	210.6	1,555	92.7	334	143.8	240	105.9
40-44	3,368	180.1	578	268.1	2,303	122.3	495	204.3	274	135.1
45-49	4,853	242.5	954	453.8	3,619	178.3	664	274.1	337	191.5
50-54	5,872	297.6	1,060	570.6	5,468	270.5	831	372.8	341	258.9
55-59	6,241	352.6	1,025	688.3	6,928	375.0	900	481.0	319	316.1
60-64	6,682	453.5	893	797.7	8,372	527.3	846	570.5	363	510.1
65-69	6,894	611.8	729	931.8	10,045	772.1	834	756.0	379	790.6
70-74	8,371	936.2	695	1,139.5	14,191	1,261.9	946	1,004.5	412	1,224.0
75-79	12,188	1,716.7	695	1,572.8	23,661	2,351.1	1,188	1,534.3	461	1,920.9
80-84	16,052	3,145.4	630	2,066.0	36,603	4,423.4	1,344	2,236.3	511	3,320.3
85 +	23,161	5,937.7	656	2,644.6	68,976	7,705.1	2,376	3,820.3	802	5,296.9

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST			SOUTHWEST		SOUTH CENTRAL		SOUTHEAST						
	No.	Rate	No.	Rate														
TOTAL	25,256	544.4	13,836	404.4	44,532	566.9	87,371	645.4	33,111	403.7	130,451	522.4						
< 5	125	48.9	-	116	65.4	332	76.8	+	340	47.8	-	250	50.5	-	1,262	78.6	+	
5-9	121	44.5	-	112	61.6	322	70.2	+	372	49.2	-	217	42.8	-	1,142	70.5	+	
10-14	146	49.5	-	80	41.3	-	367	72.9	+	485	59.6	207	39.1	-	1,179	70.3	+	
15-19	214	61.1		113	36.2	-	482	83.3	+	621	65.6	273	47.5	-	1,405	75.6	+	
20-24	222	70.1		133	37.0	-	399	74.4		716	80.1	318	60.4	-	1,626	91.1	+	
25-29	201	77.2	-	119	65.7	-	453	101.7		849	111.7	+	308	63.2	-	1,690	105.7	+
30-34	272	102.3		133	70.6	-	487	108.2		907	118.0	+	340	68.8	-	1,774	114.1	+
35-39	343	120.4		167	82.5	-	670	134.5		1,179	141.0	+	479	89.1	-	2,227	134.9	+
40-44	477	151.6	-	217	98.1	-	965	174.1		1,823	194.5	+	665	113.2	-	3,287	184.4	+
45-49	754	222.5		356	151.2	-	1,331	226.7		2,767	270.7	+	984	159.9	-	4,838	262.4	+
50-54	1,003	296.1		512	219.4	-	1,641	284.5	-	3,603	348.2	+	1,276	213.4	-	6,183	352.0	+
55-59	1,203	389.4		618	289.0	-	1,932	368.9	-	4,137	440.6	+	1,467	268.7	-	6,828	445.3	+
60-64	1,304	493.5	-	700	379.4	-	2,315	506.9		4,491	571.9	+	1,932	420.4	-	7,234	575.5	+
65-69	1,663	776.6	+	900	584.5	-	2,589	717.9		4,936	805.5	+	1,980	538.0	-	7,664	794.0	+
70-74	2,051	1,133.5		1,155	906.8	-	3,413	1,168.7		6,537	1,241.8	+	2,841	959.4	-	9,630	1,215.2	+
75-79	3,197	2,097.0		1,776	1,704.9	-	5,350	2,218.7	+	10,592	2,305.8	+	4,065	1,682.3	-	14,639	2,195.5	+
80-84	4,509	3,853.5		2,502	3,200.5	-	7,774	4,198.3	+	15,983	4,286.2	+	5,853	3,320.3	-	20,557	3,977.1	
85 +	7,451	6,840.4	-	4,127	5,670.0	-	13,710	7,811.7	+	27,033	7,491.8	+	9,656	5,915.4	-	37,286	7,343.2	+

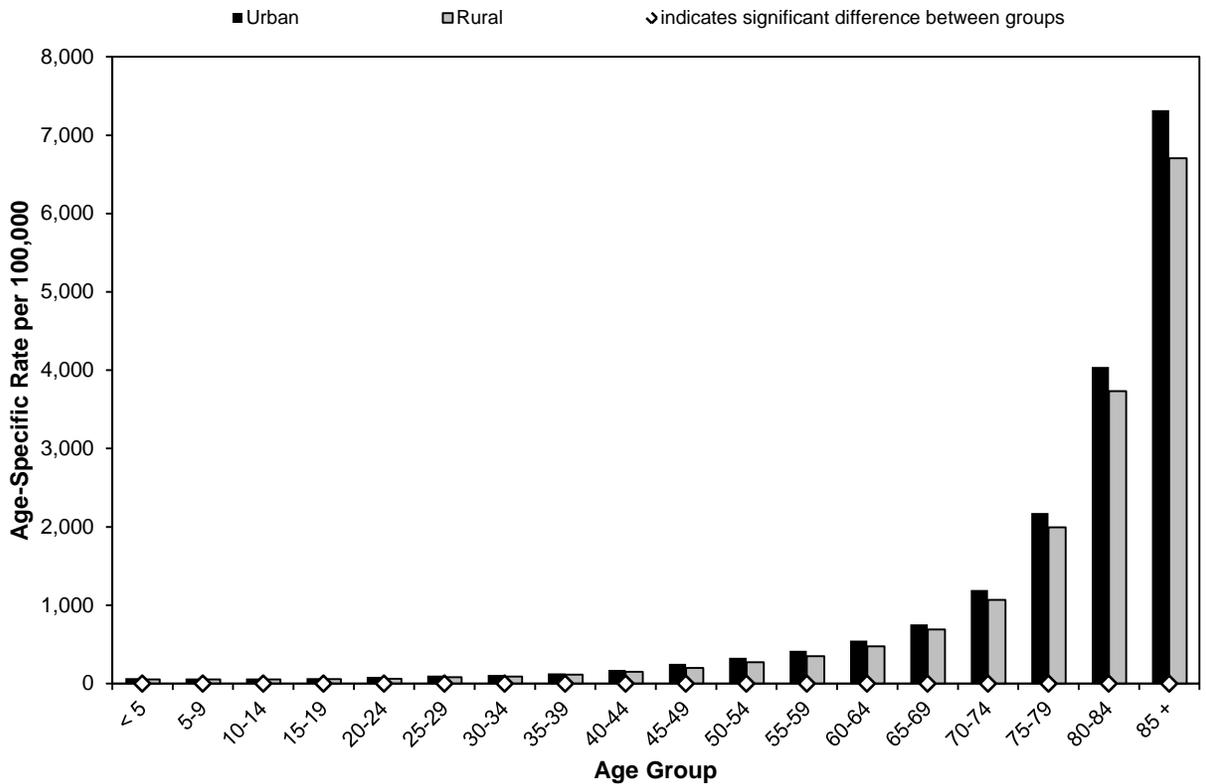
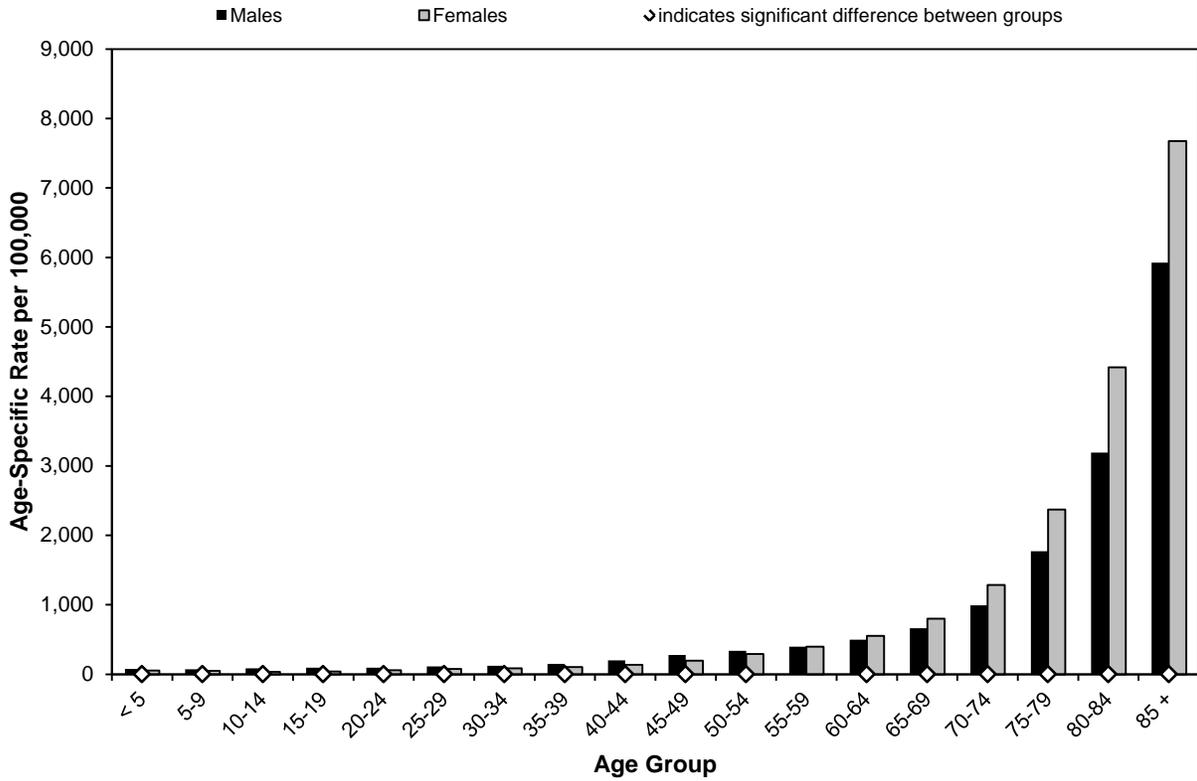
+/- denotes that the district's rate is significantly higher or lower than the state at the $p = .05$ level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

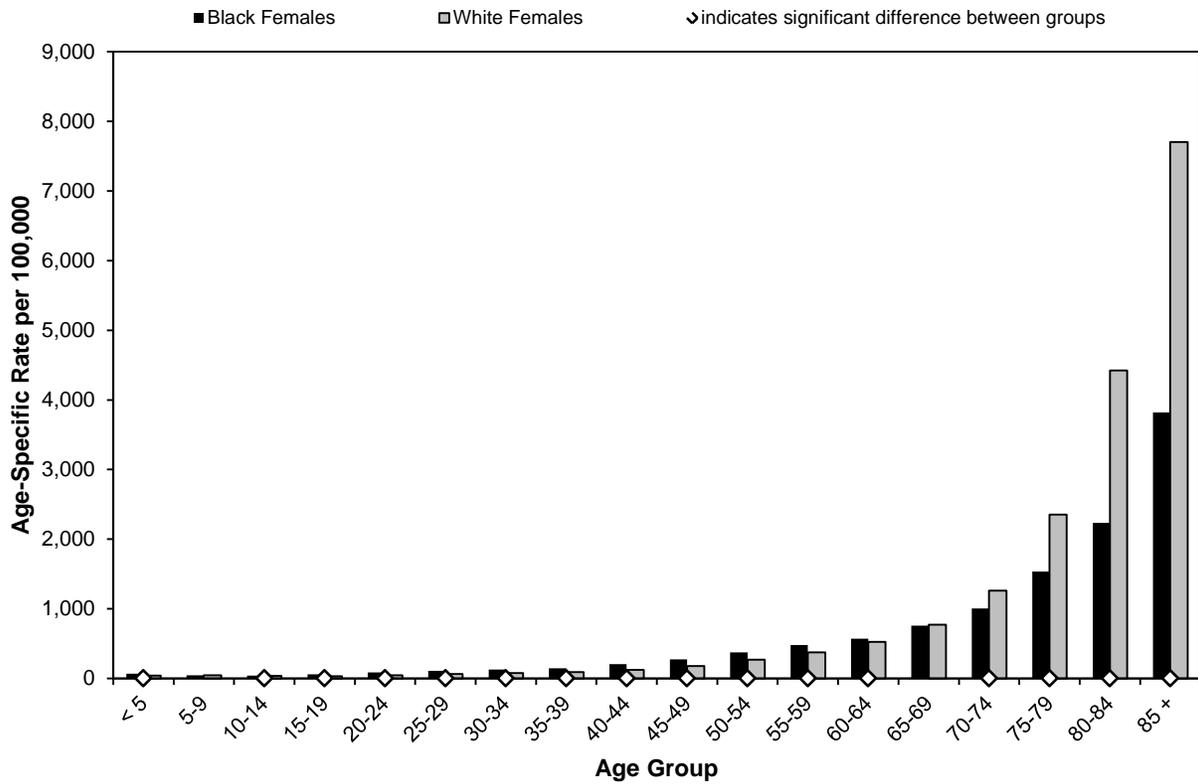
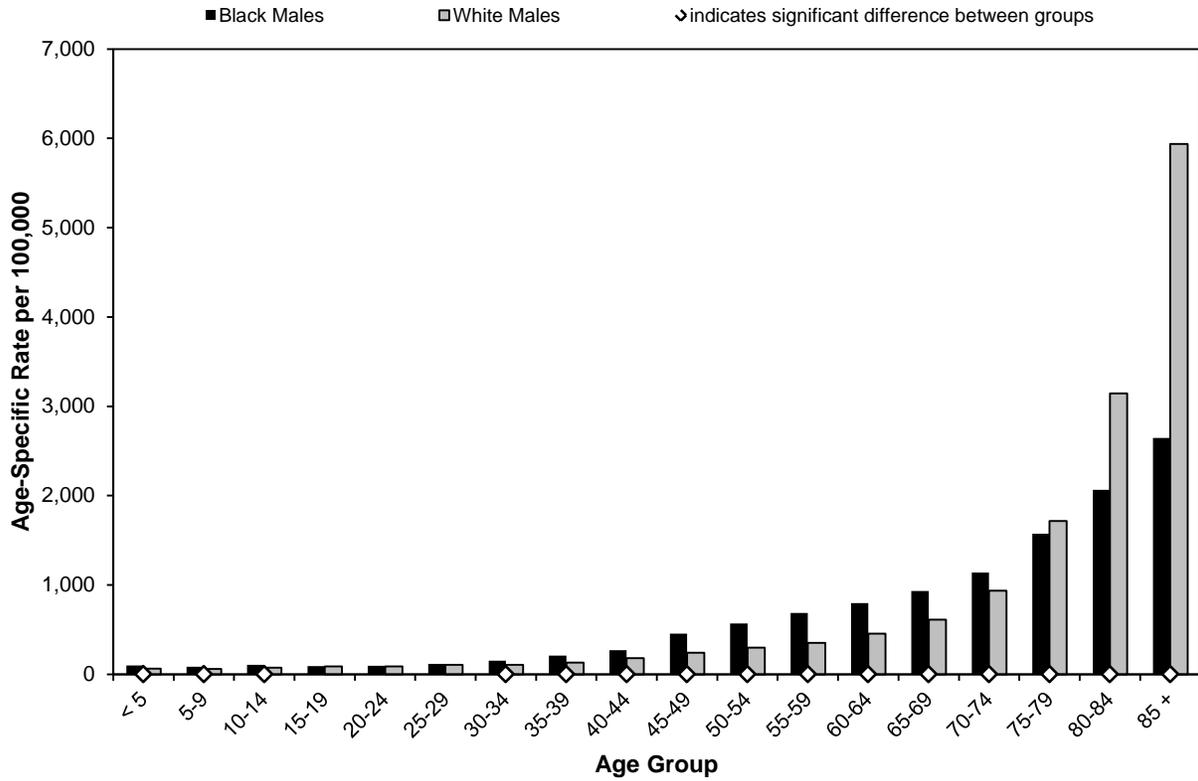
INJURY HOSPITALIZATION: UNINTENTIONAL FALLS

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: UNINTENTIONAL FALLS

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: UNINTENTIONAL FALLS

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	44,532	455.5	451.2-459.7 +	Southeast	130,451	462.9	460.4-465.5 +
Carbon	1,967	491.0	469.2-512.7 +	Berks	9,417	406.6	398.4-414.7 -
Lackawanna	7,084	486.4	474.9-498 +	Bucks	15,631	461.6	454.4-468.7 +
Lehigh	9,222	455.4	446.1-464.6 +	Chester	9,869	405.8	397.9-413.7 -
Luzerne	9,758	435.8	427-444.6	Delaware	18,769	569.5	561.4-577.6 +
Monroe	2,857	371.4	357.7-385.1 -	Lancaster	10,684	369.8	362.9-376.8 -
Northampton	10,028	566.6	555.5-577.6 +	Montgomery	21,489	453.8	447.8-459.9 +
Pike	549	166.7	152.4-181 -	Philadelphia	39,614	503.0	498-507.9 +
Susquehanna	948	350.6	328-373.2 -	Schuylkill	4,978	481.1	467.5-494.7 +
Wayne	1,345	399.3	377.6-421.1 -				
Wyoming	774	502.2	467-537.3 +				
North Central	13,836	334.3	328.7-339.9 -	South Central	33,111	341.9	338.2-345.6 -
Bradford	1,385	353.0	334.3-371.7 -	Adams	1,601	276.6	263.1-290.2 -
Centre	2,414	373.7	358.8-388.5 -	Bedford	947	289.3	270.7-308 -
Clinton	863	361.9	337.5-386.2 -	Blair	3,460	408.9	395.1-422.6 -
Columbia	1,483	370.3	351.2-389.3 -	Cumberland	5,101	370.9	360.8-381 -
Lycoming	2,482	332.7	319.6-345.9 -	Dauphin	4,868	334.7	325.2-344.1 -
Montour	397	332.1	299.1-365 -	Franklin	3,093	339.6	327.6-351.6 -
Northumberland	2,416	367.1	352.1-382.1 -	Fulton	335	373.4	333.4-413.4 -
Potter	369	306.1	274.4-337.8 -	Huntingdon	847	315.8	294.5-337.1 -
Snyder	607	272.8	251.1-294.5 -	Juniata	441	296.5	268.8-324.3 -
Sullivan	168	327.0	274-379.9 -	Lebanon	2,269	275.3	263.9-286.6 -
Tioga	582	219.7	201.4-238.1 -	Mifflin	1,210	399.9	377.1-422.6 -
Union	670	272.2	251.5-292.8 -	Perry	837	356.8	332.5-381.2 -
				York	8,102	350.1	342.5-357.6 -
Northwest	25,256	420.4	415.2-425.6 -	Southwest	87,371	471.0	467.9-474.2 +
Cameron	197	477.7	406.3-549.2	Allegheny	41,753	501.1	496.2-506 +
Clarion	1,029	415.6	389.8-441.5	Armstrong	2,100	437.6	418.6-456.7
Clearfield	2,112	389.1	372.3-405.8 -	Beaver	4,655	380.0	368.8-391.1 -
Crawford	2,401	434.3	416.9-451.7	Butler	4,804	435.3	423-447.6
Elk	966	413.6	387.1-440.1	Cambria	5,282	494.0	480.3-507.7 +
Erie	5,953	366.0	356.7-375.3 -	Fayette	4,193	428.1	414.9-441.3
Forest	196	464.0	396.3-531.8	Greene	731	302.1	280.2-324 -
Jefferson	1,379	454.3	430-478.5	Indiana	2,678	483.8	465.1-502.5 +
Lawrence	3,423	510.6	493.2-527.9 +	Somerset	2,318	410.8	393.8-427.8 -
McKean	1,148	402.4	379.1-425.8 -	Washington	6,764	488.3	476.6-500 +
Mercer	4,006	490.3	474.9-505.7 +	Westmoreland	12,093	470.3	461.8-478.8 +
Venango	1,546	430.2	408.5-451.9				
Warren	900	323.4	302-344.8 -	Pennsylvania	334,557	438.4	437-439.9

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	124,502	210,013	334,557	10,303	64.0	10,979	92.5	23,629	181.1	48,550	404.2	241,096	2,513.7
Northeast	16,439	28,079	44,532	1,503	76.2	1,339	93.5	2,966	180.9	5,888	378.1	32,836	2,617.5
Carbon	769	1,198	1,967	63	89.4	44	74.1	141	210.6	266	398.6	1,453	2,643.6
Lackawanna	2,413	4,670	7,084	203	80.3	224	113.2	442	211.9	944	461.9	5,271	2,802.8
Lehigh	3,604	5,618	9,222	347	77.5	309	96.1	580	164.0	1,191	366.6	6,795	2,637.0
Luzerne	3,201	6,544	9,758	215	59.5	234	81.3	570	174.7	1,287	414.3	7,452	2,614.1
Monroe	1,230	1,627	2,857	168	72.0	113	77.1	264	141.1	474	289.0	1,838	1,825.9
Northampton	3,823	6,205	10,028	368	93.7	320	116.8	682	222.2	1,172	413.8	7,486	3,413.0
Pike	259	290	549	47	66.1	24	52.9	55	83.3	115	172.0	308	684.5
Susquehanna	325	623	948	28	56.0	20	59.1	62	148.0	113	238.5	725	2,084.7
Wayne	526	819	1,345	42	75.2	39	93.9	104	194.7	216	358.6	944	1,975.4
Wyoming	289	485	774	22	58.0	12	51.4	66	231.0	110	382.1	564	2,668.1
Southeast	50,559	79,886	130,451	4,988	73.8	5,090	103.1	10,352	196.2	20,245	445.3	89,776	2,602.8
Berks	3,729	5,688	9,417	344	60.8	301	80.9	674	157.1	1,316	355.7	6,782	2,352.8
Bucks	5,988	9,643	15,631	640	79.6	467	90.2	1,106	153.0	2,364	370.6	11,054	2,543.5
Chester	3,594	6,275	9,869	291	42.1	322	72.7	734	132.2	1,532	330.3	6,990	2,293.4
Delaware	7,081	11,687	18,769	598	79.7	591	110.7	1,346	231.9	2,806	538.9	13,428	3,396.9
Lancaster	4,057	6,627	10,684	452	63.1	372	77.7	690	136.5	1,317	291.6	7,853	2,121.0
Montgomery	7,908	13,579	21,489	759	75.5	614	87.8	1,293	147.6	2,821	376.3	16,002	2,747.7
Philadelphia	16,383	23,231	39,614	1,795	86.8	2,272	129.1	4,143	287.1	7,369	609.4	24,035	2,558.8
Schuylkill	1,819	3,156	4,978	109	67.3	151	113.5	366	223.2	720	500.5	3,632	2,704.3

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	124,502	210,013	334,557	10,303	64.0	10,979	92.5	23,629	181.1	48,550	404.2	241,096	2,513.7
North Central	5,039	8,776	13,836	425	49.1	396	54.3	773	117.3	1,895	300.0	10,347	1,928.7
Bradford	492	893	1,385	47	59.7	33	64.7	80	125.5	213	340.5	1,012	1,914.5
Centre	894	1,517	2,414	76	39.8	96	42.5	133	107.7	331	305.0	1,778	2,165.5
Clinton	312	549	863	19	37.7	26	70.6	36	104.3	100	289.1	682	2,183.3
Columbia	531	950	1,483	38	44.7	47	67.6	83	139.8	212	352.0	1,103	2,080.1
Lycoming	890	1,590	2,482	86	60.0	66	59.1	130	110.2	309	268.8	1,891	1,968.1
Montour	147	249	397	10	45.5	13	92.1	21	115.9	46	243.7	307	1,878.0
Northumberland	892	1,517	2,416	70	65.8	47	61.5	137	142.2	316	333.9	1,846	2,151.3
Potter	127	242	369	6	NSR	9	NSR	37	224.7	64	363.0	253	1,606.6
Snyder	220	386	607	22	42.3	17	43.0	24	63.5	81	228.8	463	1,657.0
Sullivan	60	108	168	5	NSR	9	NSR	21	380.1	68	1,022.6	65	871.1
Tioga	216	364	582	20	36.1	18	50.7	37	99.0	82	202.3	425	1,169.4
Union	258	411	670	26	50.9	15	29.4	34	70.1	73	196.9	522	1,656.4
South Central	11,910	21,200	33,111	955	45.4	974	64.6	2,165	124.4	4,741	295.7	24,276	1,949.4
Adams	599	1,002	1,601	59	43.8	37	39.9	95	87.9	227	232.9	1,183	1,599.9
Bedford	316	631	947	18	29.7	26	63.6	56	107.1	150	297.8	697	1,566.3
Blair	1,211	2,249	3,460	67	43.0	87	77.3	195	155.1	527	416.9	2,584	2,350.3
Cumberland	1,871	3,230	5,101	107	36.9	128	55.3	290	123.4	652	299.6	3,924	2,215.9
Dauphin	1,751	3,117	4,868	203	60.6	181	76.9	391	137.9	801	306.2	3,292	1,850.0
Franklin	1,106	1,987	3,093	76	39.9	59	45.4	162	112.8	377	276.7	2,419	2,021.3
Fulton	102	233	335	14	76.0	16	121.7	53	339.7	119	801.2	133	1,078.4
Huntingdon	338	509	847	23	43.7	35	76.9	53	108.0	113	252.6	623	1,720.9
Juniata	164	277	441	17	55.0	8	NSR	24	100.4	41	179.2	351	1,770.7
Lebanon	770	1,499	2,269	78	47.7	65	53.1	120	93.0	270	216.9	1,736	1,600.7
Mifflin	421	788	1,210	30	49.6	43	112.2	73	157.3	191	429.2	873	2,079.5
Perry	324	513	837	42	69.5	28	70.1	66	133.4	151	318.0	550	1,860.9
York	2,937	5,165	8,102	221	39.9	261	67.7	587	122.7	1,122	270.5	5,911	2,011.4

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	124,502	210,013	334,557	10,303	64.0	10,979	92.5	23,629	181.1	48,550	404.2	241,096	2,513.7
Northwest	9,089	16,167	25,256	614	52.4	708	84.0	1,604	170.9	3,550	389.3	18,780	2,428.0
Cameron	76	121	197	10	162.4	8	NSR	26	524.1	23	378.5	130	2,472.4
Clarion	375	654	1,029	18	34.6	40	101.9	67	180.8	130	343.6	774	2,301.9
Clearfield	804	1,308	2,112	57	63.1	72	97.0	149	163.4	316	382.3	1,518	2,096.7
Crawford	907	1,494	2,401	54	46.0	60	77.1	138	158.6	398	444.8	1,751	2,427.7
Elk	339	627	966	19	49.5	21	85.7	58	161.6	118	355.5	750	2,495.0
Erie	2,125	3,828	5,953	158	42.3	193	68.0	445	158.9	888	342.6	4,269	2,115.7
Forest	93	103	196	9	NSR	20	204.4	30	444.3	76	1,171.8	61	1,023.5
Jefferson	551	828	1,379	36	65.5	50	129.8	86	188.6	151	330.7	1,056	2,573.1
Lawrence	1,157	2,266	3,423	67	59.3	65	86.4	160	176.7	397	435.4	2,734	3,243.9
McKean	399	749	1,148	26	48.1	27	68.8	65	139.7	152	368.2	878	2,384.0
Mercer	1,349	2,657	4,006	98	65.4	77	77.3	229	198.4	522	453.4	3,080	2,939.1
Venango	572	974	1,546	43	63.5	49	110.2	102	185.3	242	411.9	1,110	2,318.9
Warren	342	558	900	19	38.8	26	80.5	49	116.2	137	304.7	669	1,785.2
Southwest	31,466	55,905	87,371	1,818	56.3	2,472	102.0	5,769	206.4	12,231	443.3	65,081	2,790.4
Allegheny	15,137	26,616	41,753	864	59.1	1,252	109.7	2,871	229.6	6,022	495.0	30,744	2,991.4
Armstrong	768	1,332	2,100	53	63.3	67	126.1	121	168.0	283	391.2	1,576	2,484.6
Beaver	1,620	3,035	4,655	105	52.1	125	87.5	289	161.6	679	372.9	3,457	2,185.1
Butler	1,776	3,028	4,804	116	47.9	130	81.6	330	165.2	624	346.7	3,604	2,668.0
Cambria	1,780	3,502	5,282	97	58.5	133	104.7	300	205.4	731	488.8	4,021	2,966.7
Fayette	1,555	2,638	4,193	88	52.8	130	108.5	307	205.3	647	425.8	3,021	2,411.0
Greene	267	464	731	15	33.3	21	54.2	41	96.8	96	232.2	558	1,877.4
Indiana	917	1,761	2,678	57	49.8	72	77.6	168	210.5	347	416.9	2,034	2,925.6
Somerset	898	1,420	2,318	44	52.0	50	72.2	117	140.5	316	400.4	1,791	2,475.0
Washington	2,435	4,329	6,764	150	60.4	163	89.4	479	227.4	939	439.6	5,033	2,813.6
Westmoreland	4,313	7,780	12,093	229	55.4	329	111.2	746	195.0	1,547	397.4	9,242	2,746.3

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

**NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	3,354	431.8	417.1-446.5	Allegheny	37,362	499.6	494.4-504.8	Berks	387	288.8	254.2-323.5
Chester	387	286.2	257.3-315	Chester	9,074	407.1	398.8-415.4	Lancaster	115	138.0	108.5-167.5
Dauphin	535	274.7	250.8-298.6	Dauphin	4,141	333.0	322.8-343.3	Lehigh	365	264.2	230.1-298.3
Delaware	1,634	406.5	386.3-426.7	Delaware	16,441	582.4	573.4-591.4	Philadelphia	1,792	338.5	320.9-356.1
Montgomery	953	329.0	307.8-350.2	Montgomery	18,709	437.0	430.7-443.3				
Philadelphia	13,128	416.9	409.7-424	Philadelphia	22,453	506.5	499.7-513.3				
Pennsylvania	22,483	383.2	378.2-388.3	Pennsylvania	292,633	420.7	419.2-422.2	Pennsylvania	5,702	375.3	364.5-386.2

**NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC HOSPITALIZATION RATES
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
Allegheny	White	82.7%	13,189	24,173	37,362	89.5%	570	51.7	945	104.7	2,286	217.3	4,998	469.6	28,563	3,091.5
	Black	13.4%	1,473	1,881	3,354	8.0%	241	87.7	236	137.2	467	305.7	861	671.4	1,549	1,721.5
Chester	White	88.7%	3,243	5,831	9,074	91.9%	235	39.4	247	65.0	613	124.2	1,390	325.1	6,589	2,331.5
	Black	6.2%	164	223	387	3.9%	26	52.6	27	77.5	64	216.0	71	309.9	199	1,280.2
Dauphin	White	76.3%	1,450	2,691	4,141	85.1%	126	56.1	118	68.5	270	123.0	622	287.8	3,005	1,943.5
	Black	17.9%	222	313	535	11.0%	47	58.9	46	97.8	91	187.4	148	403.4	203	1,027.0
Delaware	White	75.0%	6,027	10,413	16,441	87.6%	413	79.9	427	116.1	988	229.2	2,278	534.7	12,335	3,574.4
	Black	18.9%	739	895	1,634	8.7%	134	76.5	126	98.0	268	244.2	386	542.2	720	1,817.6
Montgomery	White	83.7%	6,740	11,967	18,709	87.1%	615	75.9	470	84.4	1,017	140.6	2,323	355.1	14,284	2,691.3
	Black	8.7%	435	518	953	4.4%	56	56.7	61	80.3	123	154.3	227	409.7	486	1,520.5
Philadelphia	White	45.6%	8,336	14,117	22,453	56.7%	423	54.8	825	100.3	1,544	234.8	3,348	566.0	16,313	3,028.4
	Black	45.3%	6,089	7,039	13,128	33.1%	872	80.9	990	134.3	2,055	312.5	3,263	615.2	5,948	1,660.0
Pennsylvania	White	84.9%	105,524	187,069	292,633	87.5%	7,200	55.7	7,783	80.6	17,917	160.8	39,570	370.7	220,163	2,505.9
	Black	10.7%	10,341	12,142	22,483	6.7%	1,640	74.9	1,724	112.1	3,471	256.3	5,555	552.8	10,093	1,569.8

INJURY HOSPITALIZATIONS: ALL POISONING

In 2010, among Pennsylvania residents, there were 16,444 hospitalizations due to poisoning. On average, one resident was hospitalized every 32 minutes.

Injury Definition

Poisoning includes:

- accidental and intentional drug overdose;
- misuse or abuse of prescription drugs;
- exposure to gases like carbon monoxide;
- ingestion of toxic foodstuffs (including alcohol poisoning) or other substances.

Drug poisonings account for over 85 percent of all poisoning hospitalizations in Pa.

HIGHLIGHTS

- *Age-adjusted rates have generally been **decreasing** over 2006 to 2010.*
- *The most common demographic is **white females** ages 20 to 54.*
- *Of all Pennsylvania counties, **Philadelphia** shows the highest rate.*

Trends Over Time

- Age-adjusted hospitalization rates for poisoning decreased from 2006 to 2010, from 137.4 to 127.6 hospitalizations per 100,000 population.
- Females generally showed higher age-adjusted poisoning hospitalization rates than males over 2006 to 2010 (rates were 130.1 and 125.4, respectively, in 2010).
- Black males and females showed significantly higher age-adjusted poisoning hospitalization rates than white males and females over 2006 to 2010.

Demographic Trends

- Among ages 10 to 29, females showed significantly higher poisoning hospitalization rates than males.
- Among ages over 29, black males and females showed significantly higher poisoning hospitalization rates than white males and females.

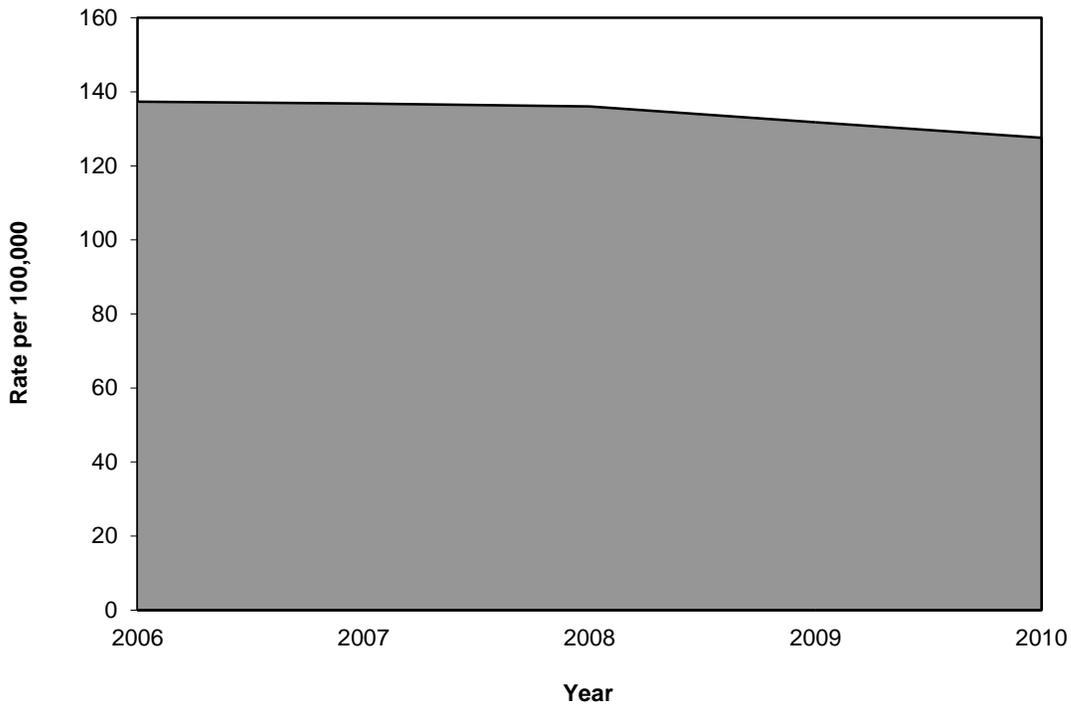
Regional Trends

- The Southeast Health District showed the highest age-specific poisoning hospitalization rates, while the North Central Health District showed the lowest rates.
- Twelve counties showed age-adjusted poisoning hospitalization rates that were significantly higher than the comparable state rate. Eight of those counties were rural: Bradford, Cambria, Carbon, Lawrence, Mercer, Montour, Schuylkill, and Venango.

INJURY HOSPITALIZATIONS: ALL POISONING

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	16,971	137.4
2007	16,970	136.8
2008	17,007	136.1
2009	16,691	131.8
2010	16,444	127.6



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	95.3	128.3	141.5	92.6	167.2	124.9
2007	105.3	125.8	147.5	98.7	163.8	122.6
2008	109.4	127.4	134.3	98.8	163.5	122.1
2009	100.6	124.1	141.4	97.7	154.3	121.5
2010	105.6	128.7	138.5	93.0	148.1	114.6

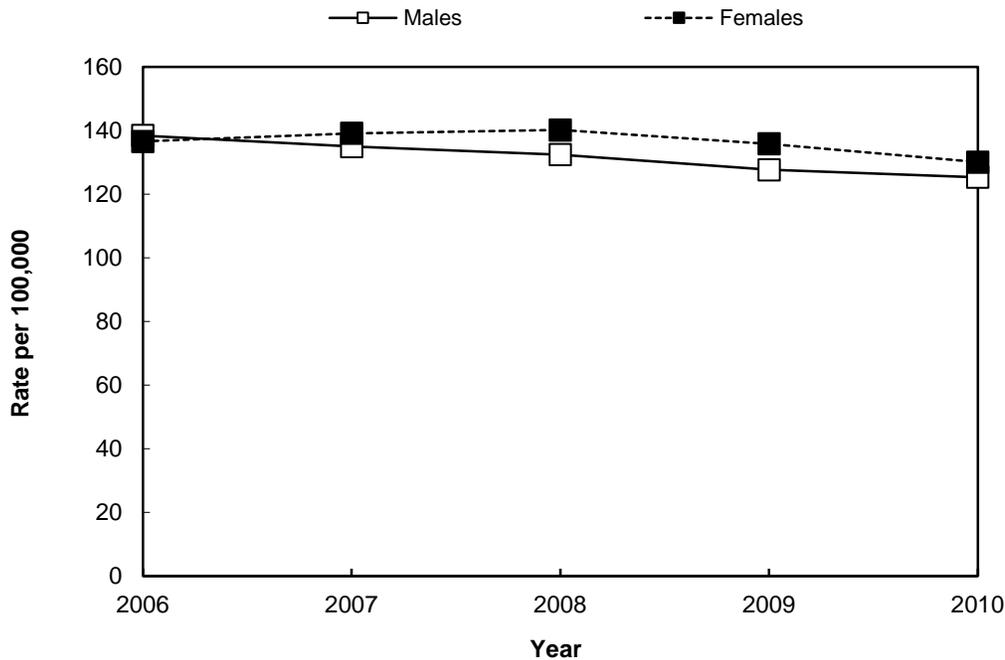
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.
See Technical Notes.

INJURY HOSPITALIZATIONS: ALL POISONING

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	8,355	138.4 *	2006	8,616	136.6
2007	8,181	135.0 *	2007	8,787	139.2
2008	8,094	132.5 *	2008	8,910	140.2
2009	7,923	127.7 *	2009	8,766	135.9
2010	7,913	125.4 *	2010	8,530	130.1

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	152.1	103.9 *	2006	137.3	135.1
2007	147.4	103.3 *	2007	140.6	135.9
2008	144.4	102.0 *	2008	140.5	139.9
2009	136.6	105.3 *	2009	136.3	135.1
2010	134.6	102.4 *	2010	127.9	137.5 *

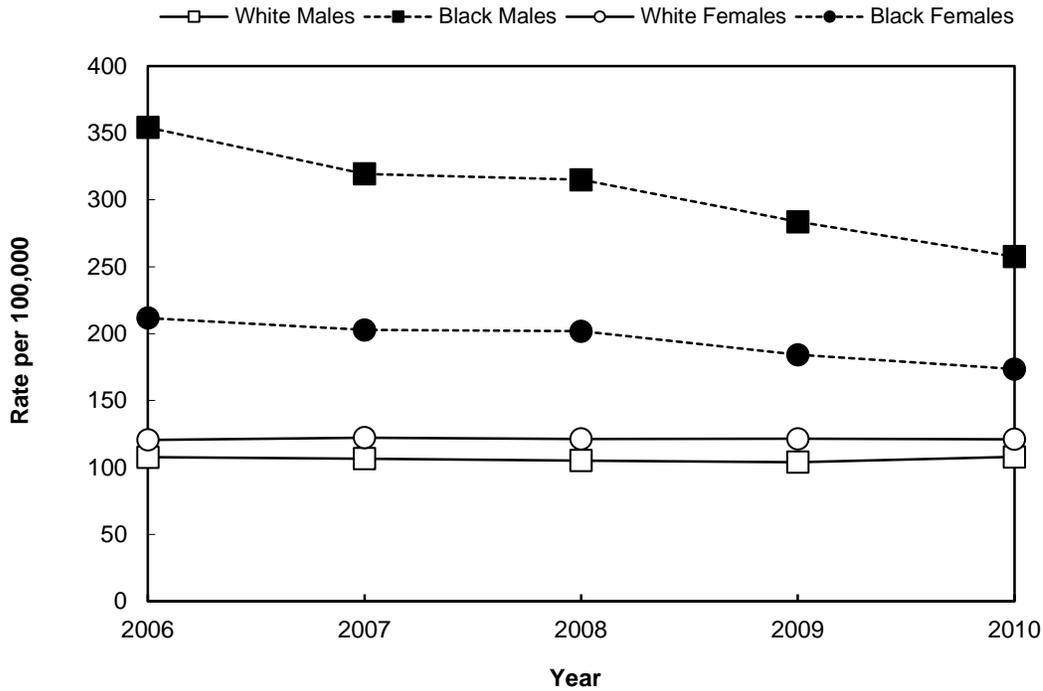
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL POISONING

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	5,612	2,003	6,548	1,412	425	312
2007	5,553	1,802	6,618	1,367	420	367
2008	5,531	1,784	6,618	1,376	394	444
2009	5,510	1,661	6,700	1,281	370	380
2010	5,560	1,615	6,502	1,255	380	345



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	107.8	354.0 *	120.7	211.7 *	170.6	127.5
2007	106.6	319.4 *	122.3	202.8 *	168.5	141.8
2008	105.2	315.0 *	121.4	201.9 *	159.7	166.7
2009	104.0	283.6 *	121.5	184.3 *	142.8	134.5
2010	107.9	257.5 *	121.2	173.6 *	122.5	111.8

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY HOSPITALIZATION: ALL POISONING

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	84,083	134.3	40,466	132.9	43,609	135.5						
< 5	1,104	30.0	623	33.1	481	26.8	*	861	31.2	243	26.4	*
5-9	231	6.1	129	6.6	102	5.5		183	6.5	48	4.9	*
10-14	737	18.4	224	10.9	513	26.1	*	530	17.9	207	19.5	
15-19	5,873	127.1	2,483	106.5	3,390	148.2	*	4,134	124.3	1,739	134.5	*
20-24	7,674	173.7	3,771	168.4	3,902	179.2	*	5,562	174.9	2,112	170.7	
25-29	7,535	201.9	3,683	193.7	3,852	210.3	*	5,516	197.1	2,019	216.2	*
30-34	6,618	177.8	3,330	177.9	3,287	177.8		4,922	179.3	1,696	173.8	
35-39	7,711	192.3	3,578	179.4	4,132	205.1	*	5,698	193.9	2,013	188.0	
40-44	9,532	216.8	4,651	213.6	4,880	219.9		7,466	232.5	2,066	174.3	*
45-49	10,460	225.3	5,203	227.3	5,256	223.3		8,194	242.7	2,266	178.9	*
50-54	8,633	190.2	4,491	202.0	4,140	178.9	*	6,850	209.0	1,783	141.5	*
55-59	5,399	132.8	2,860	145.1	2,539	121.3	*	4,322	148.7	1,077	93.0	*
60-64	3,451	101.3	1,716	105.5	1,734	97.3	*	2,703	112.3	748	74.8	*
65-69	2,268	84.8	995	80.7	1,273	88.3	*	1,707	91.6	561	69.1	*
70-74	1,843	83.2	762	78.2	1,081	87.1	*	1,392	90.0	451	67.4	*
75-79	1,745	93.5	708	92.4	1,037	94.3		1,280	97.6	465	84.0	*
80-84	1,684	116.4	689	125.7	995	110.8	*	1,244	120.9	440	105.4	*
85 +	1,585	114.1	570	135.5	1,015	104.8	*	1,210	121.4	375	95.5	*

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: ALL POISONING

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	27,766	107.2	8,865	277.1		32,986	120.9	6,691	189.5		3,837	126.1
< 5	323	21.7	177	68.4	*	238	16.8	139	55.2	*	110	32.1
5-9	73	4.7	29	11.2	*	42	2.8	34	13.6	*	32	10.4
10-14	141	8.5	40	14.3	*	318	20.1	86	31.9	*	75	26.2
15-19	1,929	101.9	237	75.3	*	2,462	132.3	462	150.6	*	334	112.2
20-24	2,954	162.2	409	137.3	*	2,998	169.8	470	159.4		378	138.3
25-29	2,806	181.3	451	182.1		2,957	200.3	473	190.0		423	167.2
30-34	2,395	155.2	533	244.2	*	2,481	164.5	445	193.2	*	431	182.0
35-39	2,410	143.5	774	365.4	*	3,073	183.3	686	295.4	*	431	190.2
40-44	2,935	156.9	1,307	606.3	*	3,570	189.5	890	367.3	*	447	220.3
45-49	3,225	161.1	1,579	751.1	*	3,911	192.7	980	404.5	*	402	228.4
50-54	2,692	136.4	1,475	794.0	*	3,117	154.2	768	344.5	*	283	214.8
55-59	1,784	100.8	879	590.3	*	1,945	105.3	429	229.3	*	178	176.4
60-64	1,136	77.1	437	390.3	*	1,337	84.2	268	180.7	*	120	168.6
65-69	707	62.7	221	282.5	*	1,013	77.9	176	159.5	*	57	118.9
70-74	599	67.0	129	211.5	*	886	78.8	123	130.6	*	45	133.7
75-79	585	82.4	67	151.6	*	883	87.7	101	130.4	*	45	187.5
80-84	580	113.7	72	236.1	*	860	103.9	83	138.1	*	26	168.9
85 +	492	126.1	49	197.5	*	895	100.0	78	125.4	*	20	132.1

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY HOSPITALIZATIONS: ALL POISONING

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST			SOUTHWEST		SOUTH CENTRAL		SOUTHEAST						
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
TOTAL	6,403	138.0	3,520	102.9	9,877	125.7		16,346	120.7	7,845	95.6	40,092	160.5					
< 5	84	32.9	48	27.1	105	24.3	-	183	25.7	-	77	15.6	-	607	37.8	+		
5-9	17	6.3	10	5.5	22	4.8	-	44	5.8		14	2.8	-	124	7.7			
10-14	73	24.8	+	37	19.1			116	23.0	+	132	16.2		75	14.2	-	304	18.1
15-19	538	153.7	+	325	104.2	-	856	148.0	+	1,090	115.2	-	587	102.0	-	2,477	133.4	
20-24	692	218.6	+	399	111.0	-	987	184.1		1,552	173.6		744	141.2	-	3,300	184.9	+
25-29	673	258.4	+	363	200.5		932	209.3		1,474	193.9		763	156.6	-	3,330	208.3	
30-34	533	200.5	+	266	141.1	-	866	192.4	+	1,385	180.2		659	133.4	-	2,909	187.2	+
35-39	628	220.5	+	313	154.6	-	897	180.1		1,521	181.9	-	812	151.1	-	3,540	214.5	+
40-44	633	201.2		348	157.3	-	1,100	198.5	-	1,791	191.1	-	836	142.4	-	4,824	270.7	+
45-49	726	214.2		378	160.6	-	1,073	182.7	-	1,933	189.1	-	907	147.4	-	5,443	295.2	+
50-54	519	153.2	-	288	123.4	-	947	164.2	-	1,599	154.5	-	666	111.4	-	4,614	262.7	+
55-59	336	108.8	-	193	90.3	-	540	103.1	-	1,029	109.6	-	476	87.2	-	2,825	184.2	+
60-64	229	86.7	-	121	65.6	-	395	86.5	-	618	78.7	-	333	72.5	-	1,755	139.6	+
65-69	189	88.3		106	68.8	-	243	67.4	-	448	73.1	-	223	60.6	-	1,059	109.7	+
70-74	137	75.7		100	78.5		188	64.4	-	381	72.4	-	169	57.1	-	868	109.5	+
75-79	147	96.4		71	68.2	-	216	89.6		390	84.9		191	79.0	-	730	109.5	+
80-84	132	112.8		84	107.4		182	98.3	-	422	113.2		162	91.9	-	702	135.8	+
85 +	117	107.4		70	96.2	-	212	120.8		354	98.1	-	151	92.5	-	681	134.1	+

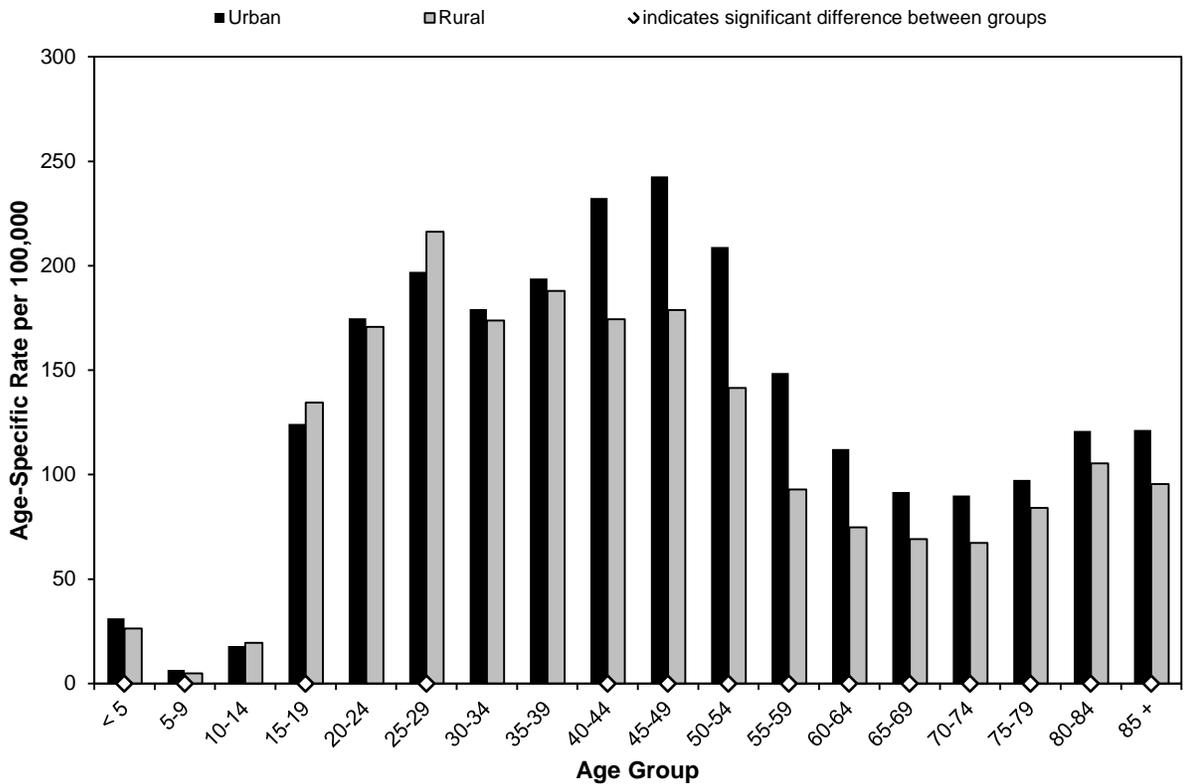
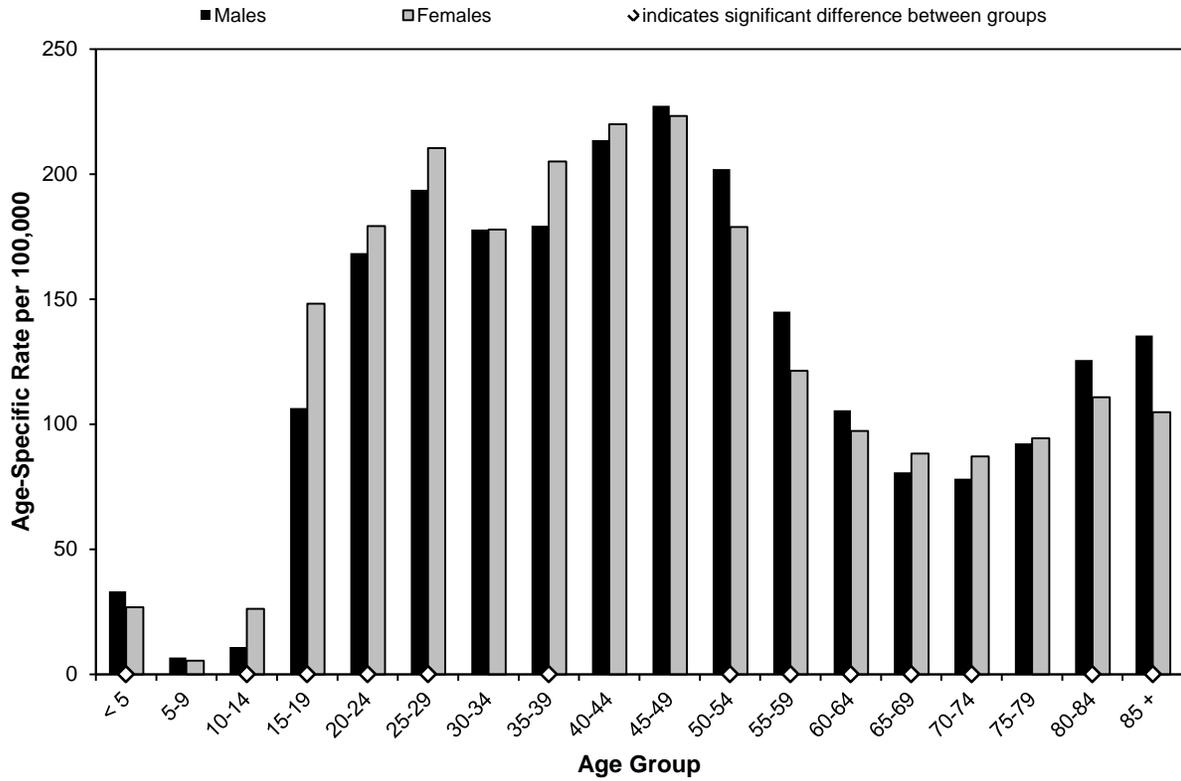
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

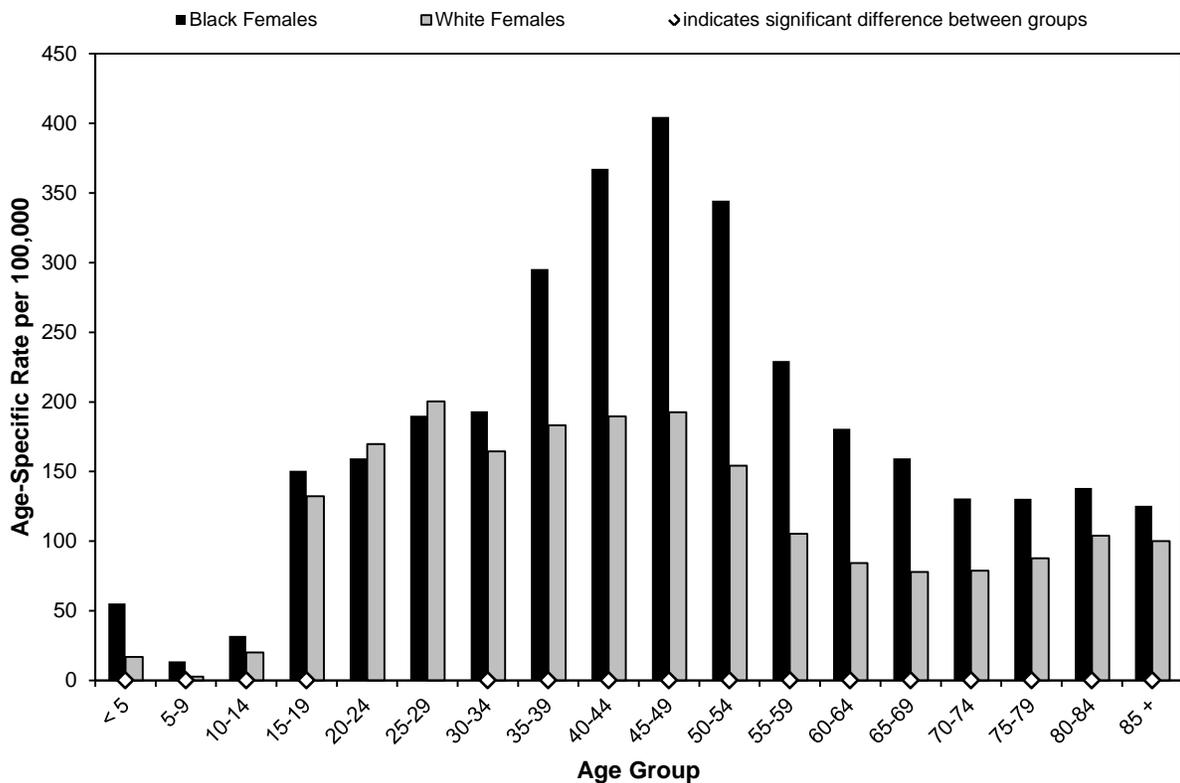
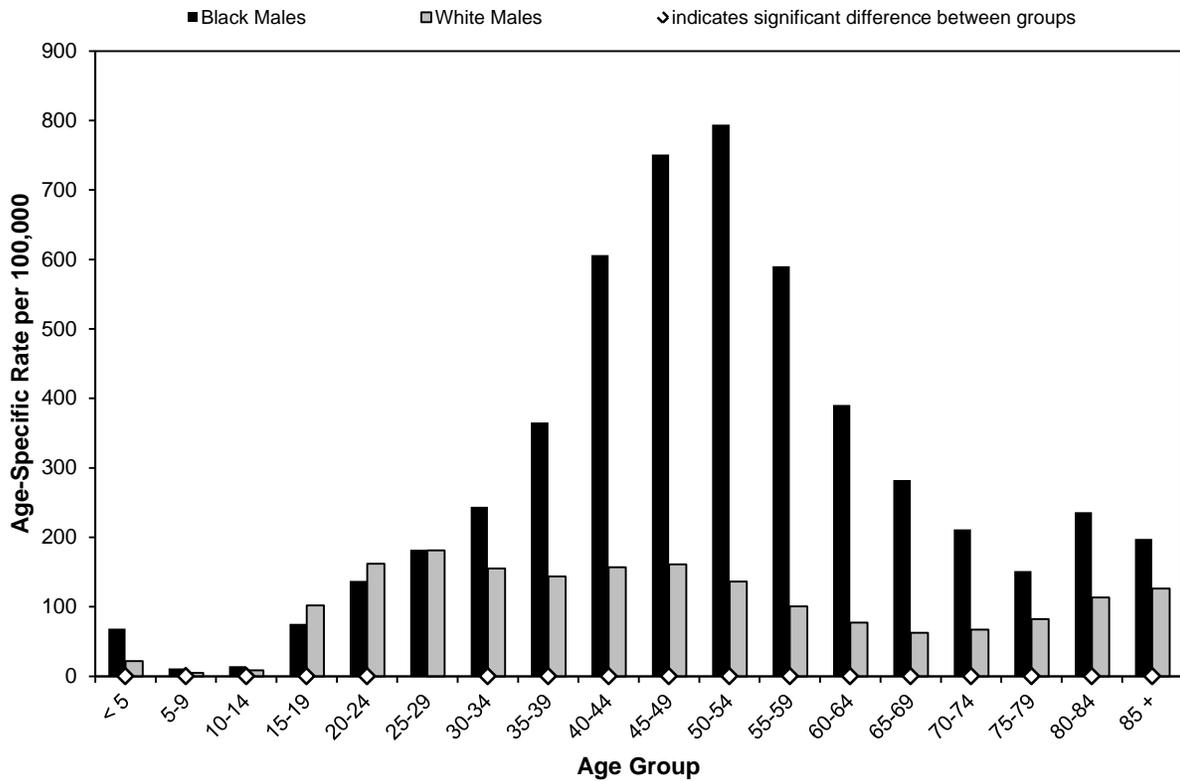
INJURY HOSPITALIZATION: ALL POISONING

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: ALL POISONING

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: ALL POISONING

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

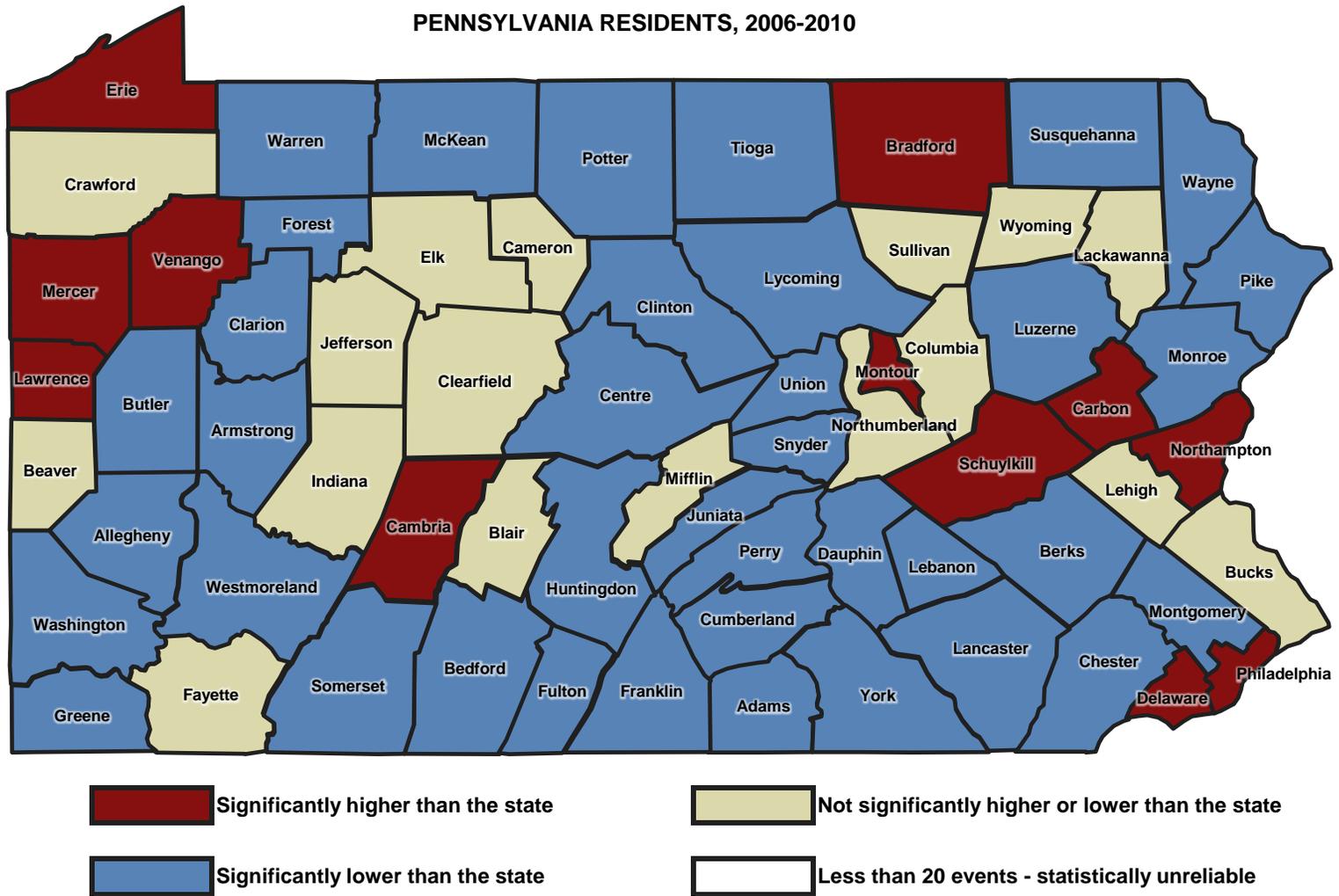
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	9,877	126.8	124.3-129.4 -	Southeast	40,092	159.4	157.9-161 +
Carbon	661	214.2	197.5-230.8 +	Berks	2,047	101.6	97.2-106 -
Lackawanna	1,448	139.6	132.3-147	Bucks	4,157	135.3	131.1-139.5
Lehigh	2,255	134.6	129-140.2	Chester	1,952	79.4	75.8-82.9 -
Luzerne	1,563	99.0	94-104 -	Delaware	4,999	177.7	172.7-182.7 +
Monroe	875	105.3	98.2-112.4 -	Lancaster	2,083	84.3	80.6-87.9 -
Northampton	2,371	161.4	154.8-167.9 +	Montgomery	4,254	108.0	104.7-111.3 -
Pike	109	36.1	29-43.1 -	Philadelphia	19,217	267.4	263.5-271.2 +
Susquehanna	183	92.4	78.6-106.2 -	Schuylkill	1,383	191.5	181.2-201.7 +
Wayne	252	99.8	87.1-112.5 -				
Wyoming	160	118.7	100-137.4				
North Central	3,520	103.2	99.7-106.7 -	South Central	7,845	96.2	94.1-98.4 -
Bradford	446	150.9	136.7-165.2 +	Adams	303	59.3	52.5-66 -
Centre	716	103.3	95.1-111.5 -	Bedford	158	68.5	57.6-79.3 -
Clinton	144	76.9	63.9-90 -	Blair	873	142.2	132.6-151.8
Columbia	407	128.6	115.5-141.6	Cumberland	1,053	90.0	84.4-95.5 -
Lycoming	493	83.5	76-91 -	Dauphin	1,391	107.4	101.7-113.1 -
Montour	153	179.8	150.5-209 +	Franklin	604	86.5	79.5-93.5 -
Northumberland	652	145.4	134-156.9	Fulton	43	59.2	41.2-77.1 -
Potter	51	66.6	48-85.3 -	Huntingdon	254	110.4	96.7-124.2 -
Snyder	156	82.6	69.4-95.8 -	Juniata	82	68.1	53-83.1 -
Sullivan	32	103.1	64.8-141.4	Lebanon	389	61.6	55.3-67.8 -
Tioga	114	60.2	48.7-71.6 -	Mifflin	298	137.7	121.8-153.7
Union	156	67.9	57.1-78.8 -	Perry	209	94.9	81.9-107.9 -
				York	2,188	103.0	98.6-107.3 -
Northwest	6,403	140.8	137.2-144.3 +	Southwest	16,346	121.2	119.3-123.1 -
Cameron	35	147.7	97.1-198.2	Allegheny	7,077	114.5	111.8-117.2 -
Clarion	143	74.5	61.7-87.3 -	Armstrong	382	119.8	107.4-132.1 -
Clearfield	562	135.2	123.8-146.6	Beaver	1,158	138.5	130.3-146.7
Crawford	590	137.8	126.4-149.1	Butler	662	72.3	66.7-77.9 -
Elk	202	136.6	117.4-155.9	Cambria	1,419	203.6	192.7-214.4 +
Erie	1,960	141.7	135.3-148.1 +	Fayette	992	142.9	133.8-152
Forest	25	64.2	38.4-90 -	Greene	213	107.7	93-122.3 -
Jefferson	275	124.4	109.4-139.4	Indiana	587	140.3	128.4-152.3
Lawrence	726	166.8	154.4-179.2 +	Somerset	442	115.7	104.7-126.7 -
McKean	257	118.5	103.8-133.1 -	Washington	1,202	120.0	113.1-126.9 -
Mercer	1,004	178.6	167.3-190 +	Westmoreland	2,212	124.7	119.3-130 -
Venango	433	168.2	152-184.4 +				
Warren	191	93.1	79.4-106.8 -	Pennsylvania	84,083	134.0	133.1-134.9

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY HOSPITALIZATIONS: ALL POISONING

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY,
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE
PENNSYLVANIA RESIDENTS, 2006-2010



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL POISONING

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	40,466	43,609	84,083	8,757	54.4	21,778	183.4	27,584	211.4	17,077	142.2	8,887	92.7
Northeast	4,519	5,355	9,877	1,132	57.4	2,776	193.9	3,084	188.1	1,856	119.2	1,029	82.0
Carbon	301	360	661	80	113.6	217	365.3	202	301.7	109	163.3	53	96.4
Lackawanna	680	768	1,448	140	55.4	431	217.9	431	206.6	297	145.3	149	79.2
Lehigh	1,032	1,223	2,255	264	58.9	663	206.1	725	205.0	401	123.4	202	78.4
Luzerne	733	827	1,563	149	41.3	434	150.8	471	144.4	312	100.4	197	69.1
Monroe	363	512	875	100	42.9	210	143.3	315	168.4	172	104.9	78	77.5
Northampton	1,138	1,233	2,371	264	67.2	669	244.1	713	232.3	452	159.6	273	124.5
Pike	40	69	109	24	33.7	19	41.9	34	51.5	24	35.9	8	NSR
Susquehanna	80	103	183	28	56.0	38	112.3	63	150.3	29	61.2	25	71.9
Wayne	80	172	252	57	102.0	60	144.5	78	146.1	33	54.8	24	50.2
Wyoming	72	88	160	26	68.6	35	149.8	52	182.0	27	93.8	20	94.6
Southeast	20,781	19,311	40,092	3,512	51.9	9,539	193.2	13,807	261.7	9,194	202.2	4,040	117.1
Berks	910	1,137	2,047	226	40.0	450	120.9	705	164.3	407	110.0	259	89.9
Bucks	1,990	2,167	4,157	430	53.5	1,189	229.7	1,310	181.2	786	123.2	442	101.7
Chester	867	1,085	1,952	198	28.7	492	111.0	588	105.9	394	84.9	280	91.9
Delaware	2,575	2,424	4,999	469	62.5	1,302	243.9	1,579	272.0	1,102	211.6	547	138.4
Lancaster	922	1,161	2,083	244	34.1	585	122.2	631	124.8	384	85.0	239	64.6
Montgomery	1,937	2,317	4,254	481	47.9	1,099	157.2	1,189	135.8	868	115.8	617	105.9
Philadelphia	10,997	8,220	19,217	1,303	63.0	4,014	228.2	7,344	508.9	5,012	414.5	1,544	164.4
Schuylkill	583	800	1,383	161	99.4	408	306.6	461	281.1	241	167.5	112	83.4

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	40,466	43,609	84,083	8,757	54.4	21,778	183.4	27,584	211.4	17,077	142.2	8,887	92.7
North Central	1,428	2,090	3,520	591	68.3	1,025	140.6	1,010	153.2	517	81.8	377	70.3
Bradford	174	272	446	108	137.1	117	229.2	123	193.0	54	86.3	44	83.2
Centre	251	465	716	68	35.6	270	119.7	209	169.3	91	83.9	78	95.0
Clinton	58	86	144	39	77.5	36	97.8	40	115.9	20	57.8	9	NSR
Columbia	168	239	407	86	101.2	125	179.9	95	160.0	60	99.6	41	77.3
Lycoming	242	251	493	49	34.2	118	105.6	145	122.9	116	100.9	65	67.6
Montour	49	104	153	27	122.9	34	240.8	65	358.7	18	95.3	9	NSR
Northumberland	275	375	652	93	87.4	173	226.4	185	192.0	106	112.0	95	110.7
Potter	22	29	51	13	58.5	16	119.6	20	121.5	2	NSR	0	NSR
Snyder	65	91	156	49	94.3	46	116.3	33	87.3	16	45.2	12	42.9
Sullivan	12	20	32	9	NSR	11	257.4	8	NSR	3	NSR	1	NSR
Tioga	47	67	114	19	34.3	38	106.9	30	80.3	15	37.0	12	33.0
Union	65	91	156	31	60.7	41	80.2	57	117.5	16	43.2	11	34.9
South Central	3,584	4,261	7,845	1,069	50.8	2,133	141.4	2,475	142.2	1,353	84.4	815	65.4
Adams	135	168	303	83	61.7	81	87.4	88	81.4	29	29.8	22	29.8
Bedford	59	99	158	42	69.3	45	110.1	44	84.2	15	29.8	12	27.0
Blair	396	477	873	205	131.6	233	207.0	256	203.6	109	86.2	70	63.7
Cumberland	441	612	1,053	96	33.1	284	122.6	320	136.2	202	92.8	151	85.3
Dauphin	679	712	1,391	131	39.1	348	147.9	450	158.7	306	117.0	156	87.7
Franklin	277	327	604	58	30.5	176	135.5	189	131.6	110	80.7	71	59.3
Fulton	21	22	43	21	114.0	10	76.0	7	NSR	5	NSR	0	NSR
Huntingdon	106	148	254	85	161.4	87	191.3	45	91.7	20	44.7	17	47.0
Juniata	36	46	82	20	64.7	19	94.6	17	71.1	15	65.6	11	55.5
Lebanon	161	228	389	45	27.5	112	91.5	123	95.3	68	54.6	41	37.8
Mifflin	129	169	298	61	100.9	86	224.4	92	198.3	33	74.2	26	61.9
Perry	89	120	209	29	48.0	40	100.1	85	171.9	36	75.8	19	64.3
York	1,055	1,133	2,188	193	34.9	612	158.6	759	158.7	405	97.6	219	74.5

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	40,466	43,609	84,083	8,757	54.4	21,778	183.4	27,584	211.4	17,077	142.2	8,887	92.7
Northwest	2,920	3,482	6,403	752	64.1	1,900	225.4	1,994	212.5	1,062	116.5	695	89.9
Cameron	20	15	35	10	162.4	10	256.5	11	221.7	4	NSR	0	NSR
Clarion	64	79	143	29	55.7	34	86.6	45	121.4	13	34.4	22	65.4
Clearfield	265	297	562	58	64.2	155	208.8	165	181.0	114	137.9	70	96.7
Crawford	267	323	590	65	55.4	183	235.1	163	187.4	108	120.7	71	98.4
Elk	90	112	202	30	78.2	66	269.2	63	175.6	25	75.3	18	59.9
Erie	888	1,072	1,960	202	54.0	600	211.3	668	238.5	319	123.1	171	84.7
Forest	20	5	25	9	NSR	7	NSR	5	NSR	4	NSR	0	NSR
Jefferson	137	138	275	33	60.0	67	173.9	91	199.5	48	105.1	36	87.7
Lawrence	340	385	726	74	65.5	205	272.4	233	257.3	123	134.9	91	108.0
McKean	83	174	257	36	66.7	92	234.6	59	126.8	39	94.5	31	84.2
Mercer	465	539	1,004	109	72.8	302	303.2	316	273.8	165	143.3	112	106.9
Venango	208	225	433	64	94.5	132	297.0	119	216.2	63	107.2	55	114.9
Warren	73	118	191	33	67.4	47	145.5	56	132.8	37	82.3	18	48.0
Southwest	7,234	9,110	16,346	1,701	52.7	4,405	181.8	5,214	186.5	3,095	112.2	1,931	82.8
Allegheny	3,220	3,857	7,077	587	40.1	1,777	155.7	2,256	180.4	1,490	122.5	967	94.1
Armstrong	166	216	382	77	91.9	122	229.5	109	151.4	35	48.4	39	61.5
Beaver	509	649	1,158	98	48.7	306	214.1	395	220.9	229	125.8	130	82.2
Butler	289	373	662	72	29.7	190	119.3	186	93.1	124	68.9	90	66.6
Cambria	640	779	1,419	135	81.4	438	344.8	460	315.0	263	175.9	123	90.7
Fayette	419	572	992	192	115.1	269	224.4	333	222.6	128	84.2	70	55.9
Greene	100	112	213	65	144.3	76	196.1	46	108.6	19	46.0	7	NSR
Indiana	257	330	587	116	101.4	154	166.0	174	218.1	75	90.1	68	97.8
Somerset	186	256	442	50	59.1	128	184.7	140	168.1	62	78.6	62	85.7
Washington	507	695	1,202	121	48.7	312	171.2	414	196.5	229	107.2	126	70.4
Westmoreland	941	1,271	2,212	188	45.4	633	214.0	701	183.3	441	113.3	249	74.0

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL POISONING

**NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	1,260	164.8	155.6-174	Allegheny	5,648	109.8	106.9-112.7	Berks	325	136.2	119.1-153.4
Chester	191	133.1	113.7-152.4	Chester	1,630	74.5	70.8-78.2	Lancaster	107	59.6	47.2-72
Dauphin	317	144.3	128.2-160.4	Dauphin	958	95.9	89.7-102.1	Lehigh	346	133.8	118.2-149.3
Delaware	1,026	209.4	196.4-222.5	Delaware	3,755	178.6	172.7-184.4	Philadelphia	1,633	212.5	201.4-223.5
Montgomery	421	122.0	110.2-133.7	Montgomery	3,403	103.1	99.6-106.6				
Philadelphia	10,280	325.4	319.1-331.7	Philadelphia	6,509	188.7	184-193.4				
Pennsylvania	15,556	244.1	240.3-248	Pennsylvania	60,758	113.8	112.9-114.8	Pennsylvania	3,837	142.8	137.8-147.7

**NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC HOSPITALIZATION RATES
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
County and Race	Cty. Pop.															
Allegheny	White	82.7%	2,531	3,117	5,648	79.8%	414	37.5	1,483	164.2	1,762	167.5	1,173	110.2	816	88.3
	Black	13.4%	616	644	1,260	17.8%	141	51.3	243	141.3	457	299.2	293	228.5	126	140.0
Chester	White	88.7%	715	915	1,630	83.5%	163	27.3	386	101.5	494	100.1	332	77.7	255	90.2
	Black	6.2%	89	102	191	9.8%	11	22.2	58	166.6	57	192.4	49	213.9	16	102.9
Dauphin	White	76.3%	452	506	958	68.9%	80	35.6	242	140.5	301	137.1	214	99.0	121	78.3
	Black	17.9%	175	142	317	22.8%	31	38.8	75	159.4	107	220.4	76	207.1	28	141.7
Delaware	White	75.0%	1,884	1,871	3,755	75.1%	328	63.5	1,055	286.8	1,100	255.2	831	195.1	441	127.8
	Black	18.9%	562	464	1,026	20.5%	97	55.4	198	154.0	416	379.0	231	324.5	84	212.1
Montgomery	White	83.7%	1,530	1,873	3,403	80.0%	356	43.9	867	155.6	942	130.2	713	109.0	525	98.9
	Black	8.7%	220	201	421	9.9%	48	48.6	109	143.5	132	165.6	95	171.4	37	115.8
Philadelphia	White	45.6%	3,590	2,919	6,509	33.9%	316	41.0	1,777	216.1	2,180	331.5	1,528	258.3	708	131.4
	Black	45.3%	6,071	4,209	10,280	53.5%	599	55.5	1,499	203.4	4,347	661.0	3,122	588.6	713	199.0
Pennsylvania	White	84.9%	27,766	32,986	60,758	72.3%	5,526	42.7	16,593	171.7	19,126	171.7	12,013	112.6	7,500	85.4
	Black	10.7%	8,865	6,691	15,556	18.5%	1,204	55.0	2,781	180.8	6,216	458.9	4,256	423.5	1,099	170.9

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC ACCIDENTS

In 2010, among Pennsylvania residents, there were 11,857 hospitalizations due to motor vehicle traffic (MVT) accidents. On average, one resident was hospitalized every 44 minutes.

Injury Definition

Motor vehicle traffic accidents include any accident involving a motor vehicle that originates, terminates, or occurs on a public highway.

A “public highway” is defined as the entire width between property lines of land open to the public for purposes of moving persons or property.

If unspecified, an accident involving motor vehicles is assumed to be a traffic accident.

HIGHLIGHTS

- *Age-adjusted rates have generally been **decreasing** over 2006 to 2010.*
- *The most common demographic is **white males**, ages 15 to 24.*
- *Of all Pennsylvania counties, **Sullivan and Monroe** show the highest rate.*

Trends Over Time

- Age-adjusted hospitalization rates for MVT injury decreased annually from 2006 to 2010, from 118.8 to 90.5 hospitalizations per 100,000 population, a decrease of 24 percent.
- Males showed significantly higher age-adjusted MVT hospitalization rates than females over 2006 to 2010 (rates were 113.5 and 68.0, respectively, in 2010).
- Black males and females showed higher age-adjusted MVT hospitalization rates than white males and females respectively over 2006 to 2010.

Demographic Trends

- Males showed significantly higher MVT hospitalization rates than females among all age groups. Male rates were up to two times greater than female rates.
- Black males showed significantly higher MVT hospitalization rates than white males for ages under 15, as well as for ages between 25 and 74.
- Rural populations generally showed higher MVT hospitalization rates than urban populations. Rural rates were significantly higher for ages 15 to 54.

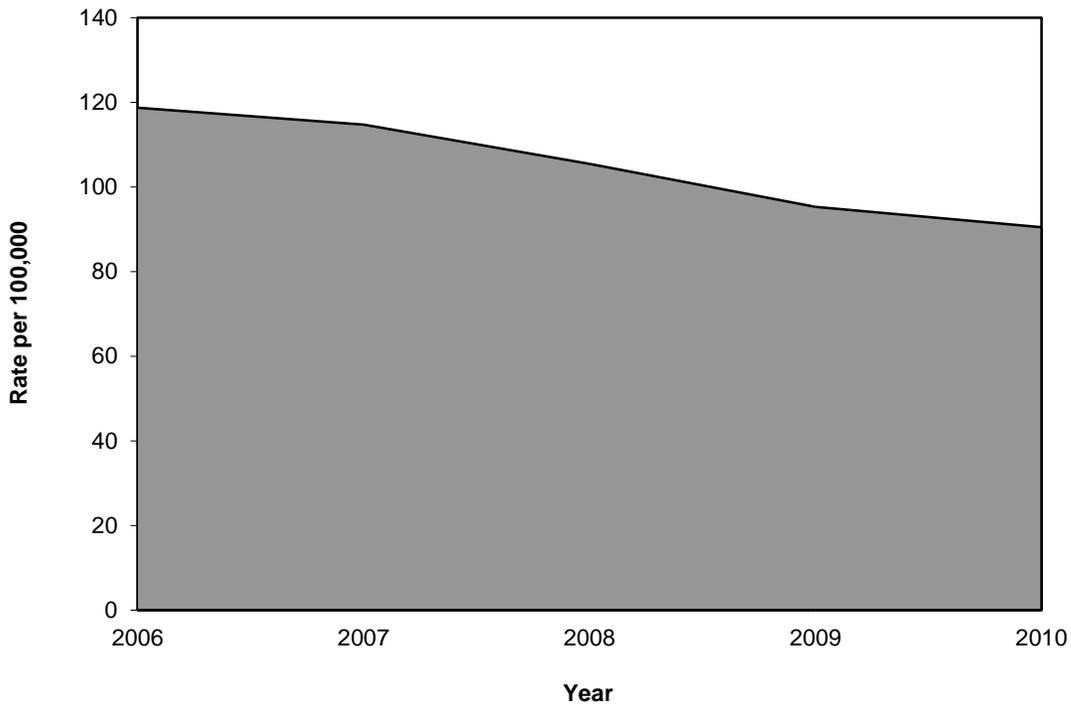
Regional Trends

- The Northeast Health District showed the highest age-specific MVT hospitalization rates, while the North Central Health District showed the lowest rates.
- Twenty-eight counties showed age-adjusted MVT hospitalization rates that were significantly higher than the comparable state rate between 2006 and 2010.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	15,091	118.8
2007	14,593	114.8
2008	13,506	105.5
2009	12,409	95.3
2010	11,857	90.5



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	83.5	142.1	112.3	113.7	118.9	121.7
2007	86.8	129.2	107.5	106.8	115.6	120.5
2008	83.6	123.0	102.3	91.8	104.0	114.1
2009	76.6	124.0	86.3	84.8	97.7	88.8
2010	89.4	103.0	88.6	83.7	91.0	88.3

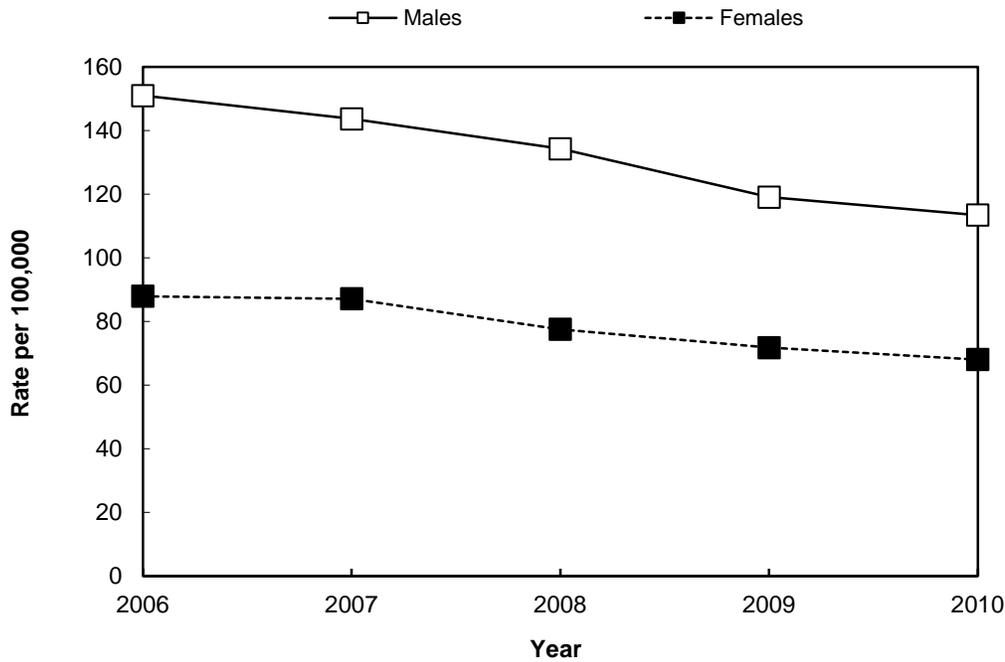
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.
See Technical Notes.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	9,207	151.0 *	2006	5,881	87.9
2007	8,790	143.7 *	2007	5,798	87.1
2008	8,263	134.3 *	2008	5,225	77.5
2009	7,440	119.1 *	2009	4,939	71.8
2010	7,153	113.5 *	2010	4,683	68.0

** denotes a statistically significant difference between groups at level of $p = .05$*



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	148.1	158.6 *	2006	86.8	91.1
2007	142.6	146.6	2007	84.6	94.3 *
2008	131.5	141.4 *	2008	77.1	78.9
2009	118.6	120.4	2009	69.8	77.4 *
2010	111.1	119.7 *	2010	64.1	79.4 *

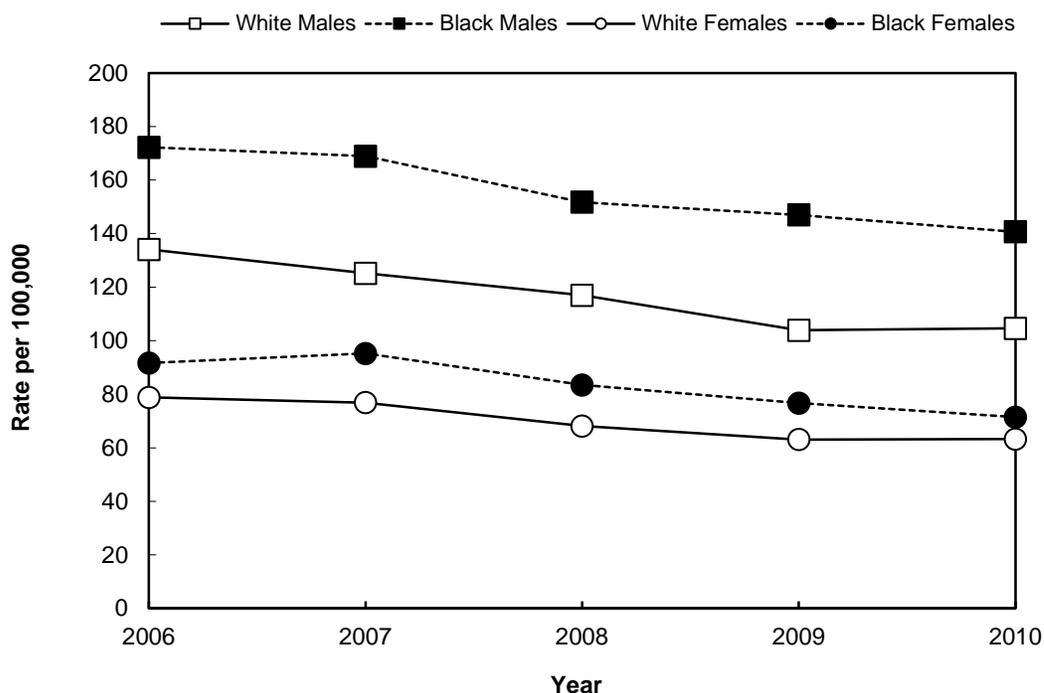
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	7,082	1,050	4,602	645	325	163
2007	6,618	1,058	4,448	665	303	200
2008	6,229	955	4,014	591	381	181
2009	5,627	945	3,789	552	351	222
2010	5,478	908	3,648	521	283	189



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	134.1	172.2 *	78.8	91.7 *	119.9	65.2
2007	125.1	168.9 *	76.8	95.2 *	113.8	84.0
2008	116.9	151.7 *	68.1	83.5 *	155.2	70.6
2009	103.9	147.0 *	63.1	76.7 *	125.0	81.2
2010	104.6	140.6 *	63.2	71.5 *	95.6	61.7

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY HOSPITALIZATION: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	67,456	107.7	40,853	134.2	26,526	82.4			47,836	105.3	19,620	114.1
< 5	593	16.1	374	19.9	219	12.2	*	469	17.0	124	13.4	*
5-9	1,151	30.3	713	36.7	436	23.5	*	916	32.6	235	23.9	*
10-14	1,606	40.0	1,011	49.3	594	30.3	*	1,217	41.2	389	36.7	*
15-19	6,716	145.4	4,061	174.1	2,648	115.8	*	4,525	136.0	2,191	169.4	*
20-24	8,365	189.4	5,501	245.6	2,858	131.2	*	5,939	186.7	2,426	196.1	*
25-29	5,588	149.7	3,690	194.0	1,894	103.4	*	4,009	143.2	1,579	169.1	*
30-34	4,288	115.2	2,829	151.1	1,451	78.5	*	3,073	111.9	1,215	124.5	*
35-39	4,437	110.7	2,844	142.6	1,588	78.8	*	3,094	105.3	1,343	125.4	*
40-44	4,943	112.4	3,124	143.5	1,812	81.6	*	3,450	107.4	1,493	126.0	*
45-49	5,292	114.0	3,427	149.7	1,856	78.8	*	3,716	110.1	1,576	124.4	*
50-54	4,966	109.4	3,168	142.5	1,790	77.3	*	3,507	107.0	1,459	115.8	*
55-59	4,120	101.4	2,533	128.5	1,583	75.6	*	2,913	100.2	1,207	104.2	
60-64	3,298	96.8	1,889	116.2	1,404	78.8	*	2,341	97.3	957	95.7	
65-69	2,563	95.8	1,340	108.7	1,221	84.7	*	1,788	96.0	775	95.5	
70-74	2,390	107.9	1,189	122.0	1,200	96.7	*	1,706	110.3	684	102.2	
75-79	2,615	140.2	1,205	157.2	1,406	127.9	*	1,875	142.9	740	133.7	
80-84	2,475	171.1	1,079	196.8	1,393	155.1	*	1,809	175.8	666	159.6	*
85 +	2,050	147.6	876	208.3	1,173	121.1	*	1,489	149.4	561	142.9	

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	31,034	119.8	4,916	153.7	20,501	75.1	2,974	84.2	2,598	85.4
< 5	156	10.5	115	44.4	* 107	7.5	54	21.4	* 72	21.0
5-9	328	21.1	234	90.1	* 231	15.6	112	44.7	* 110	35.8
10-14	614	37.1	235	84.2	* 348	22.0	127	47.2	* 129	45.1
15-19	3,089	163.1	456	144.9	* 2,048	110.1	264	86.1	* 312	104.8
20-24	4,118	226.2	612	205.5	* 2,068	117.2	390	132.2	* 399	146.0
25-29	2,660	171.9	512	206.7	* 1,361	92.2	307	123.3	* 259	102.4
30-34	1,979	128.2	434	198.9	* 981	65.1	258	112.0	* 213	90.0
35-39	2,075	123.6	385	181.8	* 1,151	68.6	220	94.7	* 188	83.0
40-44	2,386	127.6	366	169.8	* 1,390	73.8	203	83.8	200	98.6
45-49	2,665	133.2	417	198.4	* 1,447	71.3	218	90.0	* 178	101.1
50-54	2,512	127.3	363	195.4	* 1,386	68.6	225	100.9	* 151	114.6
55-59	2,051	115.9	262	175.9	* 1,215	65.8	172	91.9	* 100	99.1
60-64	1,531	103.9	167	149.2	* 1,162	73.2	115	77.5	90	126.5
65-69	1,100	97.6	123	157.2	* 1,007	77.4	98	88.8	* 49	102.2
70-74	988	110.5	96	157.4	* 1,011	89.9	72	76.5	* 44	130.7
75-79	1,049	147.8	64	144.8	1,258	125.0	60	77.5	* 43	179.2
80-84	954	186.9	40	131.2	* 1,260	152.3	44	73.2	* 36	233.9
85 +	779	199.7	35	141.1	* 1,070	119.5	35	56.3	* 25	165.1

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST			SOUTHWEST		SOUTH CENTRAL		SOUTHEAST						
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
TOTAL	4,731	102.0	3,049	89.1	10,010	127.4	14,850	109.7	7,991	97.4	26,825	107.4						
< 5	30	11.7	-	16	9.0	-	76	17.6	83	11.7	-	84	17.0	304	18.9	+		
5-9	62	22.8	-	39	21.5	-	165	36.0	157	20.7	-	150	29.6	578	35.7	+		
10-14	83	28.1	-	77	39.8		237	47.1	+	264	32.4	-	172	32.5	-	773	46.1	+
15-19	473	135.1		374	119.9	-	1,062	183.6	+	1,312	138.6		930	161.7	+	2,565	138.1	-
20-24	576	182.0		405	112.6	-	1,221	227.7	+	1,818	203.4	+	950	180.3		3,395	190.3	
25-29	395	151.7		216	119.3	-	744	167.1	+	1,328	174.7	+	592	121.5	-	2,313	144.7	
30-34	303	114.0		156	82.8	-	603	134.0	+	1,012	131.7	+	492	99.6	-	1,722	110.8	
35-39	338	118.7		185	91.4	-	646	129.7	+	987	118.1		533	99.2	-	1,748	105.9	
40-44	320	101.7		221	99.9		765	138.1	+	1,152	122.9	+	636	108.3		1,849	103.7	-
45-49	364	107.4		219	93.0	-	829	141.2	+	1,217	119.1		609	99.0	-	2,054	111.4	
50-54	399	117.8		200	85.7	-	756	131.1	+	1,080	104.4		569	95.1	-	1,962	111.7	
55-59	308	99.7		199	93.1		587	112.1	+	980	104.4		485	88.8	-	1,561	101.8	
60-64	225	85.2	-	147	79.7	-	515	112.8	+	715	91.1		396	86.2	-	1,300	103.4	
65-69	209	97.6		118	76.6	-	378	104.8		534	87.1	-	342	92.9		982	101.7	
70-74	178	98.4		130	102.1		358	122.6	+	512	97.3	-	236	79.7	-	976	123.2	+
75-79	174	114.1	-	122	117.1	-	404	167.5	+	589	128.2	-	301	124.6	-	1,025	153.7	+
80-84	169	144.4	-	119	152.2		357	192.8	+	620	166.3		281	159.4		929	179.7	
85 +	125	114.8	-	106	145.6		307	174.9	+	490	135.8		233	142.7		789	155.4	

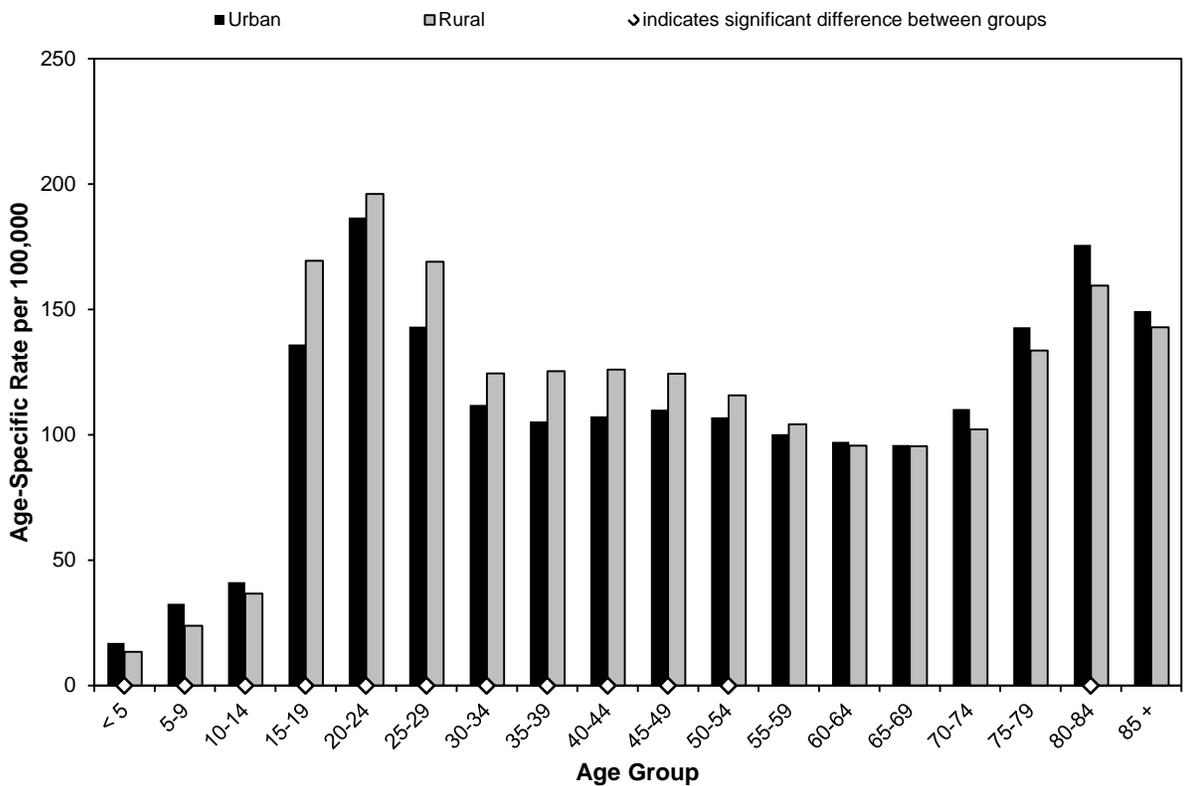
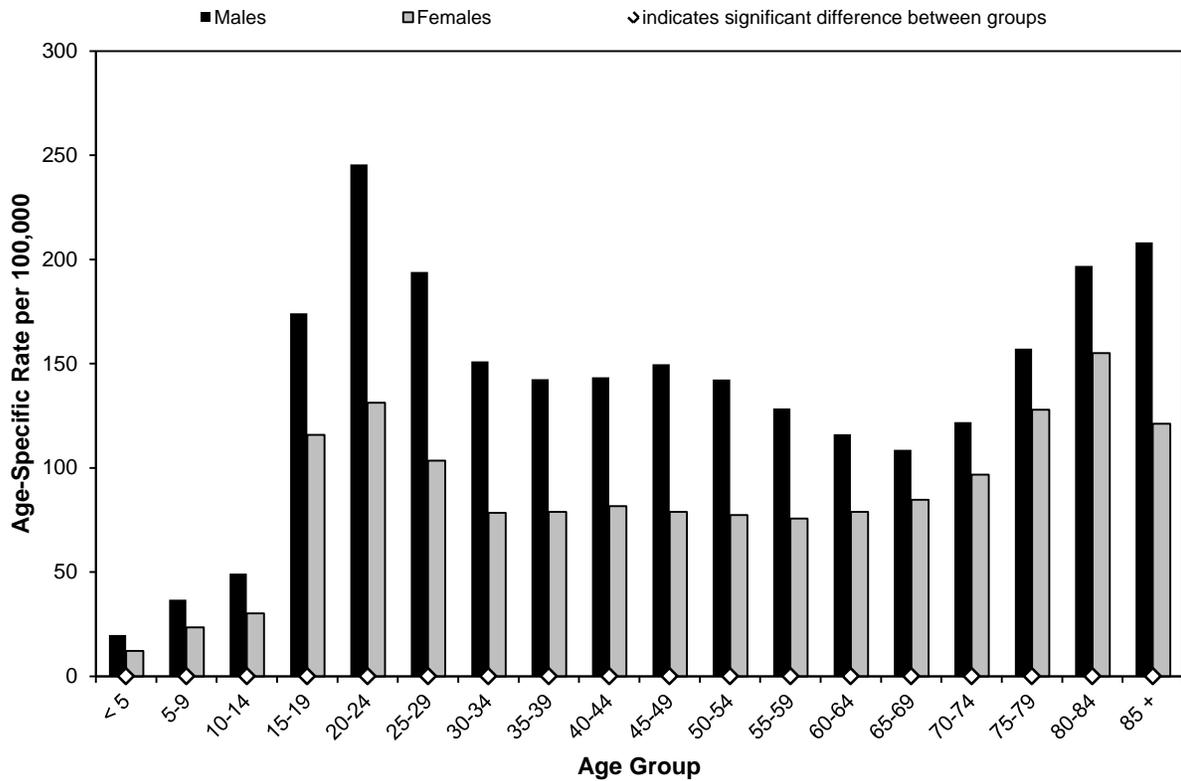
+/- denotes that the district's rate is significantly higher or lower than the state at the $p = .05$ level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

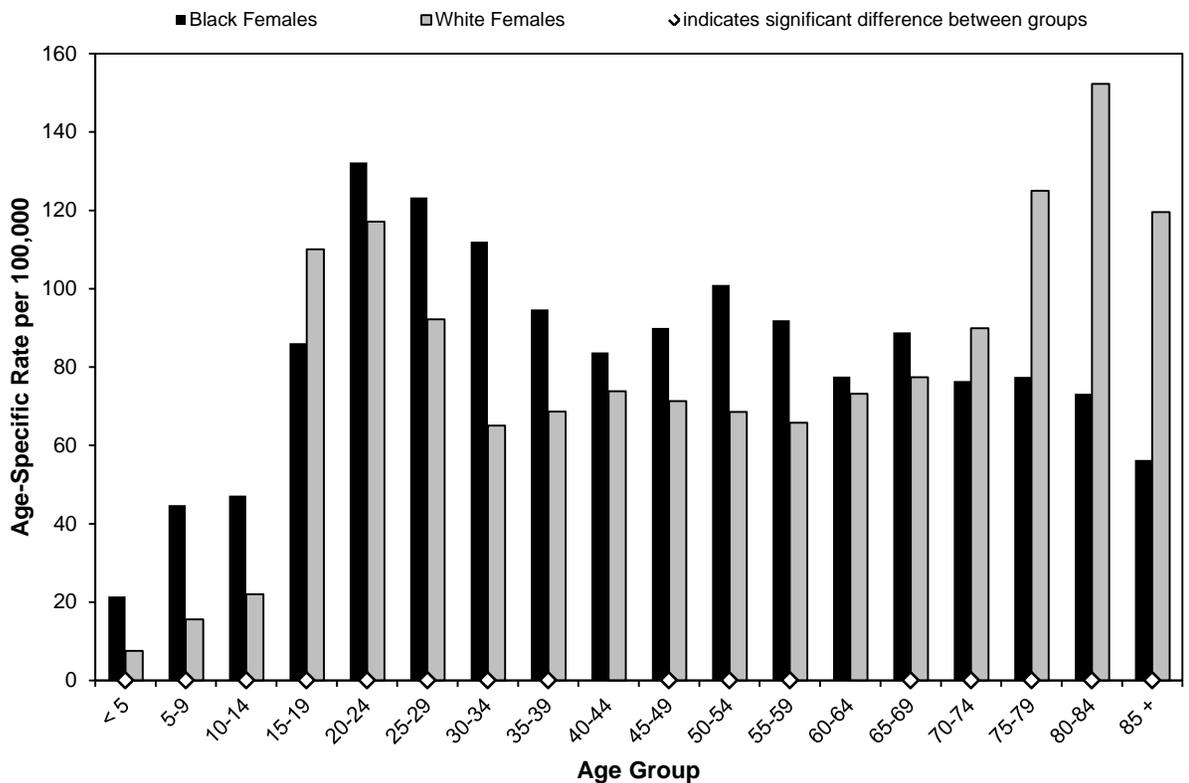
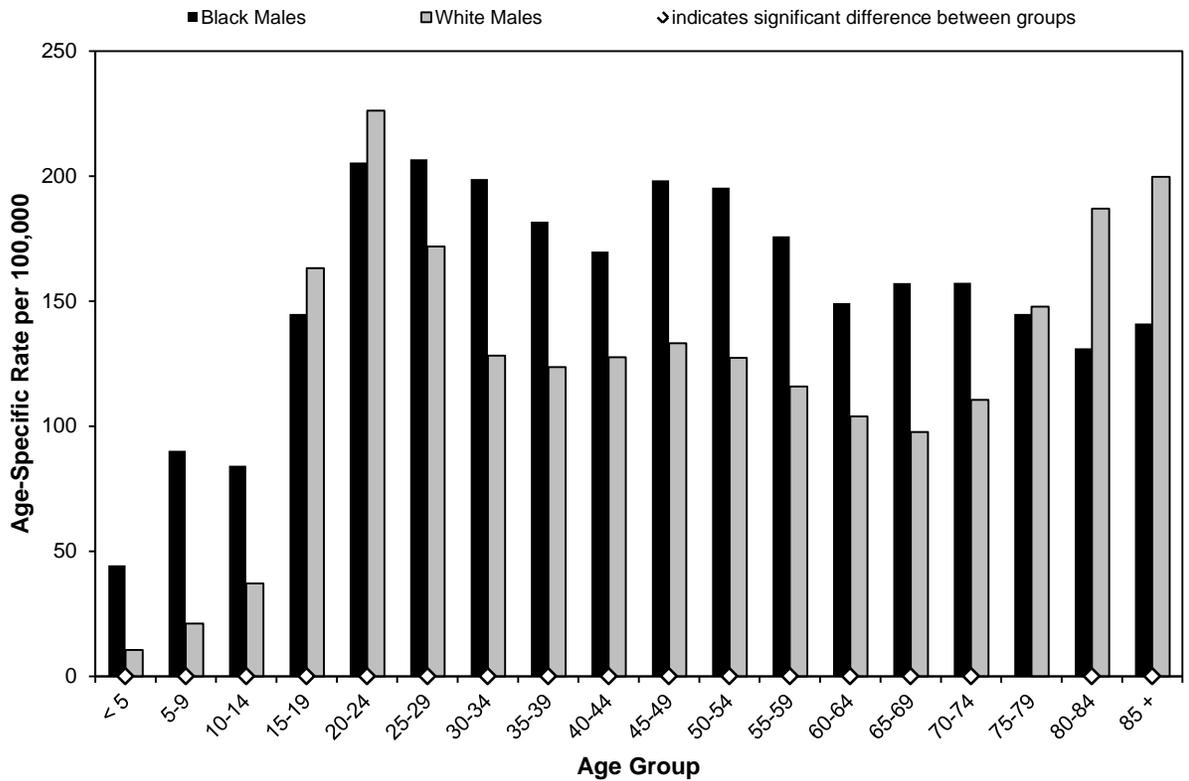
INJURY HOSPITALIZATION: MOTOR VEHICLE TRAFFIC

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: MOTOR VEHICLE TRAFFIC

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: MOTOR VEHICLE TRAFFIC

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	10,010	124.1	121.6-126.6 +	Southeast	26,825	105.3	104-106.5
Carbon	520	163.4	149-177.8 +	Berks	2,175	106.3	101.8-110.8
Lackawanna	1,010	92.1	86.2-97.9 -	Bucks	3,093	99.8	96.2-103.3 -
Lehigh	2,268	130.9	125.4-136.3 +	Chester	1,847	75.3	71.9-78.8 -
Luzerne	1,644	100.4	95.4-105.4	Delaware	3,147	109.5	105.6-113.4 +
Monroe	1,363	161.2	152.5-169.9 +	Lancaster	2,828	110.9	106.8-115 +
Northampton	2,128	139.1	133.2-145.1 +	Montgomery	3,704	93.0	90-96.1 -
Pike	315	110.3	97.8-122.9	Philadelphia	8,903	117.9	115.4-120.4 +
Susquehanna	219	107.3	92.6-121.9	Schuylkill	1,128	150.4	141.5-159.4 +
Wayne	335	130.0	115.5-144.4 +				
Wyoming	208	151.1	130.2-172 +				
North Central	3,049	84.0	81-87.1 -	South Central	7,991	96.0	93.9-98.2 -
Bradford	280	92.4	81.3-103.4 -	Adams	449	87.3	79.1-95.4 -
Centre	462	64.4	58.1-70.7 -	Bedford	329	141.1	125.6-156.7 +
Clinton	228	119.7	103.5-135.8	Blair	717	112.8	104.3-121.2
Columbia	346	99.5	88.5-110.5	Cumberland	923	76.1	71.1-81.1 -
Lycoming	539	87.6	80-95.1 -	Dauphin	1,173	91.5	86.2-96.8 -
Montour	96	106.7	84.6-128.9	Franklin	600	82.2	75.5-88.9 -
Northumberland	491	106.9	97.1-116.6	Fulton	99	135.5	108.4-162.6 +
Potter	76	88.6	68-109.1	Huntingdon	305	128.3	113.7-142.9 +
Snyder	149	74.3	62.1-86.5 -	Juniata	127	107.1	88.1-126.1
Sullivan	48	172.8	120.8-224.9 +	Lebanon	735	110.9	102.8-119.1
Tioga	169	81.3	68.5-94.1 -	Mifflin	262	115.8	101.4-130.1
Union	165	69.4	58.6-80.2 -	Perry	351	159.4	142.5-176.2 +
				York	1,921	89.6	85.5-93.6 -
Northwest	4,731	99.3	96.5-102.2 -	Southwest	14,850	106.8	105-108.5
Cameron	39	154.2	103.5-204.9	Allegheny	6,039	95.3	92.8-97.7 -
Clarion	265	128.2	112-144.5 +	Armstrong	445	136.5	123.4-149.5 +
Clearfield	496	119.4	108.7-130.1 +	Beaver	842	95.1	88.5-101.7 -
Crawford	511	116.2	105.9-126.5 +	Butler	1,027	110.6	103.7-117.5
Elk	236	146.7	127.3-166 +	Cambria	938	128.1	119.7-136.5 +
Erie	1,200	83.4	78.6-88.2 -	Fayette	813	114.1	106.1-122.2 +
Forest	44	113.3	78.8-147.8	Greene	109	51.9	42-61.8 -
Jefferson	304	136.1	120.4-151.7 +	Indiana	574	131.2	119.8-142.6 +
Lawrence	470	98.6	89.4-107.9	Somerset	493	123.6	112.4-134.8 +
McKean	177	77.9	66.2-89.5 -	Washington	1,314	125.6	118.6-132.5 +
Mercer	480	78.0	70.8-85.2 -	Westmoreland	2,256	124.4	119.1-129.7 +
Venango	325	120.9	107.4-134.4 +				
Warren	184	91.5	77.9-105.2	Pennsylvania	67,456	104.9	104.1-105.7

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	40,853	26,526	67,456	10,266	63.7	18,160	153.0	14,701	112.7	12,311	102.5	12,018	125.3
Northeast	5,987	3,981	10,010	1,598	81.0	2,540	177.4	2,256	137.6	1,832	117.7	1,784	142.2
Carbon	324	195	520	83	117.8	155	260.9	123	183.7	99	148.4	60	109.2
Lackawanna	597	413	1,010	142	56.2	242	122.3	208	99.7	199	97.4	219	116.5
Lehigh	1,343	924	2,268	355	79.3	580	180.3	520	147.0	394	121.3	419	162.6
Luzerne	966	644	1,644	232	64.2	436	151.5	345	105.7	294	94.6	337	118.2
Monroe	836	524	1,363	233	99.9	340	231.9	330	176.4	275	167.7	185	183.8
Northampton	1,270	858	2,128	324	82.5	529	193.0	460	149.8	391	138.1	424	193.3
Pike	188	126	315	47	66.1	81	178.6	80	121.2	61	91.2	46	102.2
Susquehanna	119	100	219	29	58.0	70	206.9	45	107.4	40	84.4	35	100.6
Wayne	213	121	335	95	170.1	58	139.6	87	162.9	58	96.3	37	77.4
Wyoming	131	76	208	58	153.0	49	209.8	58	203.0	21	73.0	22	104.1
Southeast	16,308	10,509	26,825	4,220	62.4	7,430	150.5	5,651	107.1	4,823	106.1	4,701	136.3
Berks	1,354	821	2,175	359	63.5	533	143.2	511	119.1	382	103.2	390	135.3
Bucks	1,871	1,221	3,093	420	52.2	791	152.8	660	91.3	589	92.3	633	145.7
Chester	1,117	730	1,847	243	35.2	544	122.8	379	68.3	336	72.4	345	113.2
Delaware	1,839	1,308	3,147	477	63.5	848	158.8	622	107.2	594	114.1	606	153.3
Lancaster	1,746	1,082	2,828	484	67.6	741	154.8	617	122.0	511	113.1	475	128.3
Montgomery	2,171	1,529	3,704	467	46.5	933	133.4	732	83.6	712	95.0	860	147.7
Philadelphia	5,499	3,403	8,903	1,614	78.1	2,743	155.9	1,854	128.5	1,505	124.5	1,187	126.4
Schuylkill	711	415	1,128	156	96.3	297	223.2	276	168.3	194	134.9	205	152.6

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	40,853	26,526	67,456	10,266	63.7	18,160	153.0	14,701	112.7	12,311	102.5	12,018	125.3
North Central	1,807	1,221	3,049	566	65.5	749	102.7	624	94.7	536	84.9	574	107.0
Bradford	166	114	280	41	52.1	80	156.8	69	108.3	39	62.4	51	96.5
Centre	279	182	462	78	40.9	127	56.3	86	69.7	91	83.9	80	97.4
Clinton	127	99	228	56	111.2	46	124.9	54	156.4	40	115.6	32	102.4
Columbia	194	149	346	59	69.4	82	118.0	64	107.8	70	116.2	71	133.9
Lycoming	315	217	539	68	47.4	134	120.0	123	104.3	92	80.0	122	127.0
Montour	58	37	96	21	95.6	20	141.7	15	82.8	19	100.6	21	128.5
Northumberland	294	195	491	92	86.5	123	161.0	88	91.3	82	86.6	106	123.5
Potter	46	29	76	19	85.5	20	149.5	9	NSR	15	85.1	13	82.6
Snyder	102	47	149	35	67.4	36	91.0	33	87.3	20	56.5	25	89.5
Sullivan	30	16	48	12	165.3	11	257.4	12	217.2	8	NSR	5	NSR
Tioga	92	77	169	30	54.1	38	106.9	40	107.1	39	96.2	22	60.5
Union	104	59	165	55	107.7	32	62.6	31	63.9	21	56.6	26	82.5
South Central	4,944	3,042	7,991	1,371	65.1	2,023	134.1	1,783	102.5	1,435	89.5	1,379	110.7
Adams	287	162	449	86	63.9	117	126.2	91	84.2	72	73.9	83	112.3
Bedford	187	142	329	70	115.5	84	205.5	84	160.7	43	85.4	48	107.9
Blair	447	270	717	120	77.1	196	174.1	148	117.7	144	113.9	109	99.1
Cumberland	538	385	923	147	50.7	217	93.7	204	86.8	176	80.9	179	101.1
Dauphin	745	428	1,173	196	58.5	316	134.3	274	96.6	199	76.1	188	105.7
Franklin	378	221	600	90	47.3	136	104.7	132	91.9	96	70.5	146	122.0
Fulton	66	33	99	39	211.8	24	182.5	20	128.2	10	67.3	6	NSR
Huntingdon	183	121	305	45	85.4	101	222.0	58	118.2	60	134.1	41	113.3
Juniata	73	53	127	37	119.8	20	99.6	33	138.0	24	104.9	13	65.6
Lebanon	445	290	735	132	80.8	160	130.8	157	121.6	126	101.2	160	147.5
Mifflin	155	106	262	37	61.2	70	182.6	61	131.5	49	110.1	45	107.2
Perry	233	118	351	75	124.0	112	280.4	86	173.9	48	101.1	30	101.5
York	1,207	713	1,921	297	53.7	470	121.8	435	91.0	388	93.5	331	112.6

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	40,853	26,526	67,456	10,266	63.7	18,160	153.0	14,701	112.7	12,311	102.5	12,018	125.3
Northwest	2,838	1,893	4,731	695	59.3	1,260	149.5	1,031	109.9	910	99.8	835	108.0
Cameron	19	20	39	11	178.7	9	NSR	10	201.6	5	NSR	4	NSR
Clarion	158	107	265	36	69.1	73	186.0	57	153.8	58	153.3	41	121.9
Clearfield	286	210	496	70	77.5	137	184.6	118	129.4	90	108.9	81	111.9
Crawford	306	205	511	66	56.3	147	188.9	115	132.2	99	110.6	84	116.5
Elk	143	93	236	41	106.9	59	240.6	42	117.0	49	147.6	45	149.7
Erie	734	466	1,200	165	44.1	366	128.9	263	93.9	224	86.4	182	90.2
Forest	19	25	44	15	258.9	9	NSR	12	177.7	5	NSR	3	NSR
Jefferson	196	108	304	45	81.9	94	244.0	63	138.1	55	120.4	47	114.5
Lawrence	275	195	470	60	53.1	106	140.8	86	95.0	96	105.3	122	144.8
McKean	109	68	177	52	96.3	27	68.8	45	96.7	23	55.7	30	81.5
Mercer	261	219	480	63	42.1	107	107.4	94	81.4	97	84.3	119	113.6
Venango	206	119	325	41	60.5	80	180.0	82	148.9	77	131.1	45	94.0
Warren	126	58	184	30	61.2	46	142.4	44	104.3	32	71.2	32	85.4
Southwest	8,969	5,880	14,850	1,816	56.2	4,158	171.6	3,356	120.1	2,775	100.6	2,745	117.7
Allegheny	3,592	2,447	6,039	691	47.2	1,696	148.6	1,322	105.7	1,149	94.4	1,181	114.9
Armstrong	268	177	445	74	88.3	133	250.2	103	143.0	66	91.2	69	108.8
Beaver	506	336	842	88	43.7	228	159.5	193	107.9	159	87.3	174	110.0
Butler	616	411	1,027	131	54.1	270	169.5	244	122.2	199	110.6	183	135.5
Cambria	578	360	938	117	70.6	271	213.4	220	150.6	163	109.0	167	123.2
Fayette	503	310	813	99	59.4	229	191.1	189	126.4	152	100.0	144	114.9
Greene	70	39	109	13	28.9	32	82.6	20	47.2	27	65.3	17	57.2
Indiana	348	226	574	72	62.9	165	177.8	138	172.9	95	114.1	104	149.6
Somerset	313	180	493	66	78.0	117	168.9	119	142.9	94	119.1	97	134.0
Washington	800	514	1,314	171	68.9	369	202.5	304	144.3	238	111.4	232	129.7
Westmoreland	1,375	880	2,256	294	71.1	648	219.1	504	131.8	433	111.2	377	112.0

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	1,107	139.4	131-147.7	Allegheny	4,421	82.2	79.7-84.7	Berks	118	49.9	38.7-61.2
Chester	135	91.0	75.1-107	Chester	1,561	71.6	68-75.2	Lancaster	54	29.6	20.8-38.4
Dauphin	218	96.1	83.1-109	Dauphin	840	84.1	78.3-89.9	Lehigh	259	90.0	78.3-101.8
Delaware	699	134.7	124.4-145	Delaware	2,224	100.4	96.1-104.7	Philadelphia	986	117.0	109-125
Montgomery	349	100.4	89.7-111	Montgomery	2,766	81.3	78.2-84.4				
Philadelphia	4,213	125.8	121.9-129.6	Philadelphia	2,896	79.5	76.5-82.4				
Pennsylvania	7,891	117.1	114.5-119.8	Pennsylvania	51,607	93.3	92.5-94.1	Pennsylvania	2,600	95.8	91.7-100

NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC HOSPITALIZATION RATES
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

Select Counties	Pct.	Sex		Total		Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		County and Race	Cty. Pop.	Male	Female	All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
Allegheny	White	82.7%	2,604	1,817	4,421	73.2%	429	38.9	1,160	128.5	928	88.2	884	83.1	1,020	110.4
	Black	13.4%	662	445	1,107	18.3%	203	73.8	362	210.5	269	176.1	183	142.7	90	100.0
Chester	White	88.7%	929	632	1,561	84.5%	205	34.4	434	114.1	309	62.6	295	69.0	318	112.5
	Black	6.2%	86	49	135	7.3%	18	36.4	43	123.5	33	111.4	22	96.0	19	122.2
Dauphin	White	76.3%	537	303	840	71.6%	117	52.1	204	118.4	192	87.4	165	76.3	162	104.8
	Black	17.9%	143	75	218	18.6%	54	67.6	68	144.5	53	109.2	25	68.1	18	91.1
Delaware	White	75.0%	1,298	926	2,224	70.7%	297	57.5	560	152.2	409	94.9	436	102.3	522	151.3
	Black	18.9%	405	294	699	22.2%	140	80.0	227	176.5	157	143.1	113	158.7	62	156.5
Montgomery	White	83.7%	1,605	1,158	2,766	74.7%	320	39.5	636	114.2	514	71.1	552	84.4	744	140.2
	Black	8.7%	221	128	349	9.4%	51	51.6	117	154.1	88	110.4	65	117.3	28	87.6
Philadelphia	White	45.6%	1,746	1,149	2,896	32.5%	269	34.9	818	99.5	584	88.8	570	96.4	655	121.6
	Black	45.3%	2,628	1,585	4,213	47.3%	870	80.7	1,314	178.3	952	144.8	706	133.1	371	103.5
Pennsylvania	White	84.9%	31,034	20,501	51,607	76.5%	6,930	53.6	13,184	136.5	11,134	99.9	9,872	92.5	10,487	119.4
	Black	10.7%	4,916	2,974	7,891	11.7%	1,597	72.9	2,513	163.4	1,809	133.6	1,305	129.9	667	103.7

INJURY HOSPITALIZATIONS: SELF-POISONING

In 2010, among Pennsylvania residents, there were 7,527 hospitalizations due to self-inflicted poisoning (self-poisoning). On average, one resident was hospitalized every 70 minutes.

Injury Definition

Self-poisoning includes any poisoning event in which there was deliberate intent to self-harm.

Note: While some self-poisoning hospitalizations reflect suicide attempts, others may not. Not all those who self-injure are attempting suicide.

Intent is to be interpreted with caution for poisoning, as idiosyncrasies may exist with the coding process between particular hospitals or medical providers.

HIGHLIGHTS

- *Age-adjusted rates have generally been **decreasing** over 2006 to 2010.*
- *The most common demographic is **white females**, ages 15 to 49.*
- *Of all Pennsylvania counties, **Carbon and Schuylkill** show the highest rates.*

Trends Over Time

- Age-adjusted hospitalization rates for self-poisoning decreased from 2006 to 2010, from 67.4 to 60.8 hospitalizations per 100,000 population for a difference of 10 percent.
- Females showed significantly higher age-adjusted self-poisoning hospitalization rates than males over 2006 to 2010 (rates were 70.6 and 51.0, respectively, in 2010).
- Black males showed significantly higher age-adjusted self-poisoning hospitalization rates than white males over 2006 to 2010.

Demographic Trends

- Females showed significantly higher self-poisoning hospitalization rates than males among ages under 75.
- Among males, whites showed higher self-poisoning hospitalization rates for ages 15 to 29, while blacks showed significantly higher rates for ages 30 to 69.

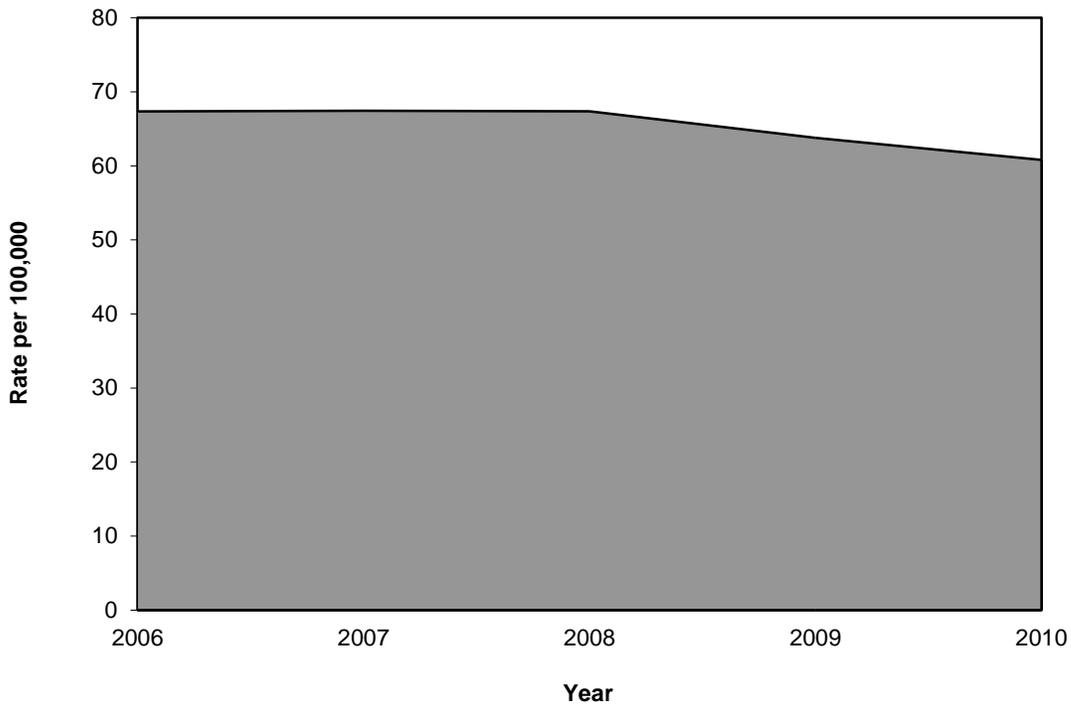
Regional Trends

- Self-poisoning accounted for the majority of self-injury hospitalizations in most counties.
- The Northwest Health District showed the highest age-specific self-poisoning hospitalization rates, while the South Central Health District showed the lowest rates. Other districts showed high rates for certain age groups.
- Twenty counties showed age-adjusted self-poisoning hospitalization rates that were significantly higher than the comparable state rate.

INJURY HOSPITALIZATIONS: SELF-POISONING

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	8,138	67.4
2007	8,136	67.5
2008	8,173	67.4
2009	7,826	63.8
2010	7,527	60.8



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	57.3	74.3	87.0	49.4	68.1	69.4
2007	65.0	73.1	88.5	56.5	68.0	64.0
2008	66.1	73.8	77.9	51.4	71.5	63.2
2009	57.1	69.7	80.4	53.0	66.1	59.6
2010	63.9	76.3	77.5	50.3	59.7	55.2

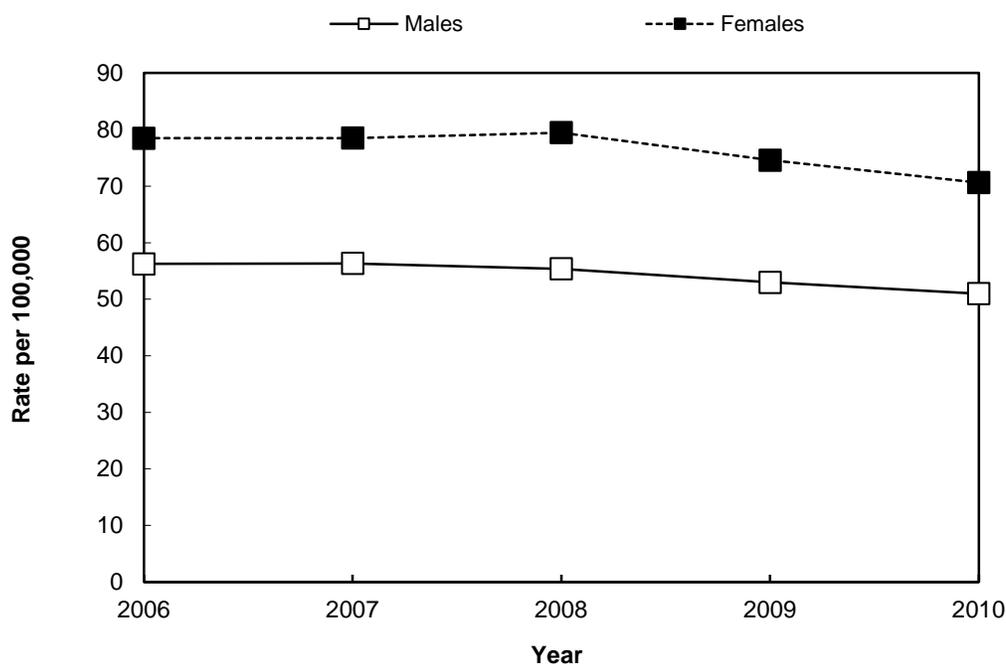
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.
See Technical Notes.

INJURY HOSPITALIZATIONS: SELF-POISONING

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	3,370	56.2 *	2006	4,768	78.5
2007	3,366	56.3 *	2007	4,769	78.5
2008	3,330	55.4 *	2008	4,842	79.4
2009	3,222	53.0 *	2009	4,603	74.6
2010	3,128	51.0 *	2010	4,398	70.6

** denotes a statistically significant difference between groups at level of $p = .05$*



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	57.3	53.6	2006	75.5	87.0 *
2007	58.1	52.0 *	2007	75.5	87.2 *
2008	56.8	52.0 *	2008	77.4	85.4 *
2009	53.6	51.8	2009	72.9	79.8 *
2010	51.2	50.8	2010	66.7	82.2 *

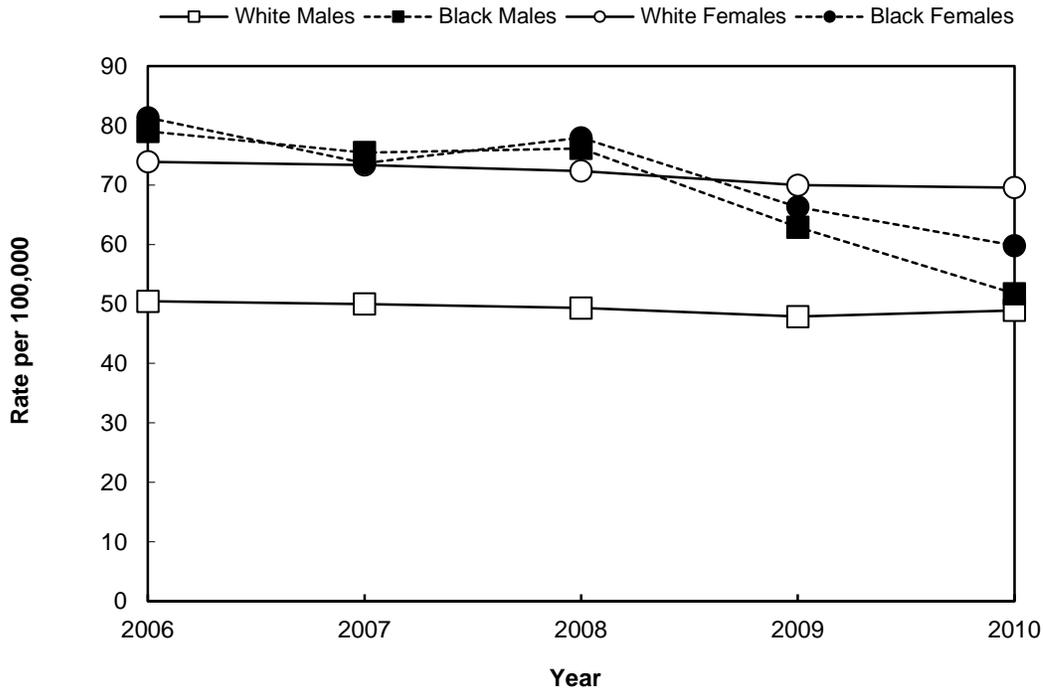
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY HOSPITALIZATIONS: SELF-POISONING

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	2,597	480	3,819	555	163	196
2007	2,559	449	3,784	512	182	231
2008	2,539	454	3,745	548	184	285
2009	2,485	392	3,651	473	168	236
2010	2,447	342	3,507	435	173	215



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	50.4	79.0 *	73.9	81.3 *	60.3	74.8
2007	50.0	75.5 *	73.4	73.7	63.1	85.1
2008	49.3	76.1 *	72.3	77.9	67.1	97.8
2009	47.9	62.9 *	70.0	66.3	57.4	75.9
2010	48.9	51.7	69.6	59.8 *	49.5	64.0

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY HOSPITALIZATION: SELF-POISONING

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
TOTAL	39,800	63.5	16,416	53.9	23,380	72.6					
< 5	4	NSR	2	NSR	2	NSR	4	NSR	0	NSR	
5-9	11	0.3	5	NSR	6	NSR	10	NSR	1	NSR	
10-14	459	11.4	82	4.0	377	19.2	*	324	11.0	135	12.7
15-19	3,945	85.4	1,375	59.0	2,570	112.4	*	2,732	82.1	1,213	93.8
20-24	4,692	106.2	2,004	89.5	2,688	123.4	*	3,343	105.1	1,349	109.1
25-29	4,399	117.8	1,848	97.2	2,551	139.3	*	3,106	111.0	1,293	138.5
30-34	3,901	104.8	1,743	93.1	2,157	116.7	*	2,791	101.7	1,110	113.8
35-39	4,482	111.8	1,840	92.2	2,642	131.1	*	3,120	106.2	1,362	127.2
40-44	4,950	112.6	2,077	95.4	2,872	129.4	*	3,627	112.9	1,323	111.6
45-49	4,831	104.1	2,036	89.0	2,794	118.7	*	3,497	103.6	1,334	105.3
50-54	3,478	76.6	1,499	67.4	1,978	85.5	*	2,597	79.2	881	69.9
55-59	1,981	48.7	886	44.9	1,095	52.3	*	1,492	51.3	489	42.2
60-64	1,066	31.3	425	26.1	641	36.0	*	817	33.9	249	24.9
65-69	570	21.3	200	16.2	370	25.7	*	428	23.0	142	17.5
70-74	361	16.3	135	13.9	226	18.2	*	288	18.6	73	10.9
75-79	274	14.7	118	15.4	156	14.2		215	16.4	59	10.7
80-84	238	16.5	83	15.1	155	17.3		194	18.9	44	10.5
85 +	158	11.4	58	13.8	100	10.3	*	133	13.3	25	6.4

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: SELF-POISONING

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	12,627	48.7	2,117	66.2	18,506	67.8	2,523	71.4	2,033	66.8		
< 5	0	NSR	2	NSR	0	NSR	2	NSR	0	NSR		
5-9	3	NSR	2	NSR	1	NSR	2	NSR	3	NSR		
10-14	49	3.0	17	6.1	*	240	15.2	47	17.5	56	19.6	
15-19	1,061	56.0	120	38.1	*	1,854	99.7	349	113.8	*	258	86.6
20-24	1,538	84.5	224	75.2		2,055	116.4	317	107.5		266	97.4
25-29	1,416	91.5	218	88.0		1,966	133.2	292	117.3		264	104.3
30-34	1,318	85.4	223	102.2	*	1,671	110.8	248	107.7		246	103.9
35-39	1,387	82.6	263	124.2	*	2,086	124.4	308	132.6		241	106.4
40-44	1,569	83.9	320	148.4	*	2,273	120.7	337	139.1	*	253	124.7
45-49	1,550	77.4	314	149.4	*	2,334	115.0	265	109.4		180	102.3
50-54	1,174	59.5	204	109.8	*	1,651	81.7	188	84.3		127	96.4
55-59	699	39.5	125	83.9	*	920	49.8	93	49.7		68	67.4
60-64	341	23.1	49	43.8	*	542	34.1	41	27.6	*	43	60.4
65-69	169	15.0	18	23.0	*	327	25.1	18	16.3	*	13	27.1
70-74	122	13.6	9	NSR		202	18.0	10	10.6	*	6	NSR
75-79	105	14.8	4	NSR		142	14.1	3	NSR		4	NSR
80-84	72	14.1	4	NSR		147	17.8	0	NSR		4	NSR
85 +	54	13.8	1	NSR		95	10.6	3	NSR		1	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY HOSPITALIZATIONS: SELF-POISONING

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST			SOUTHWEST		SOUTH CENTRAL		SOUTHEAST						
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
TOTAL	3,589	77.4	2,048	59.9	5,546	70.6	8,026	59.3	4,123	50.3	16,468	65.9						
< 5	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	3	NSR						
5-9	1	NSR	0	NSR	- 1	NSR	3	NSR	2	NSR	4	NSR						
10-14	46	15.6	+	26	13.4		75	14.9	+	71	8.7	-	53	10.0		188	11.2	
15-19	369	105.4	+	242	77.6		624	107.9	+	702	74.2	-	386	67.1	-	1,622	87.3	
20-24	472	149.1	+	276	76.8	-	674	125.7	+	931	104.1		450	85.4	-	1,889	105.9	
25-29	436	167.4	+	263	145.3	+	608	136.5	+	880	115.8		463	95.0	-	1,749	109.4	-
30-34	372	139.9	+	182	96.6		586	130.2	+	831	108.1		411	83.2	-	1,519	97.7	-
35-39	429	150.6	+	238	117.5		588	118.0		928	111.0		539	100.3	-	1,760	106.6	
40-44	444	141.1	+	233	105.3		687	124.0	+	1,044	111.4		493	83.9	-	2,049	115.0	
45-49	437	128.9	+	233	99.0		621	105.8		1,004	98.2		519	84.3	-	2,017	109.4	
50-54	270	79.7		155	66.4		469	81.3		687	66.4	-	330	55.2	-	1,567	89.2	+
55-59	132	42.7		95	44.4		268	51.2		417	44.4		196	35.9	-	873	56.9	+
60-64	75	28.4		31	16.8	-	149	32.6		214	27.3	-	121	26.3	-	476	37.9	+
65-69	42	19.6		25	16.2	-	73	20.2		107	17.5	-	62	16.8	-	261	27.0	+
70-74	21	11.6	-	18	14.1		40	13.7	-	74	14.1	-	34	11.5	-	174	22.0	+
75-79	16	10.5	-	16	15.4		37	15.3		53	11.5	-	33	13.7		119	17.8	
80-84	14	12.0	-	9	NSR		17	9.2	-	52	13.9	-	21	11.9	-	125	24.2	+
85 +	13	11.9		6	NSR		29	16.5	+	27	7.5	-	10	6.1	-	73	14.4	+

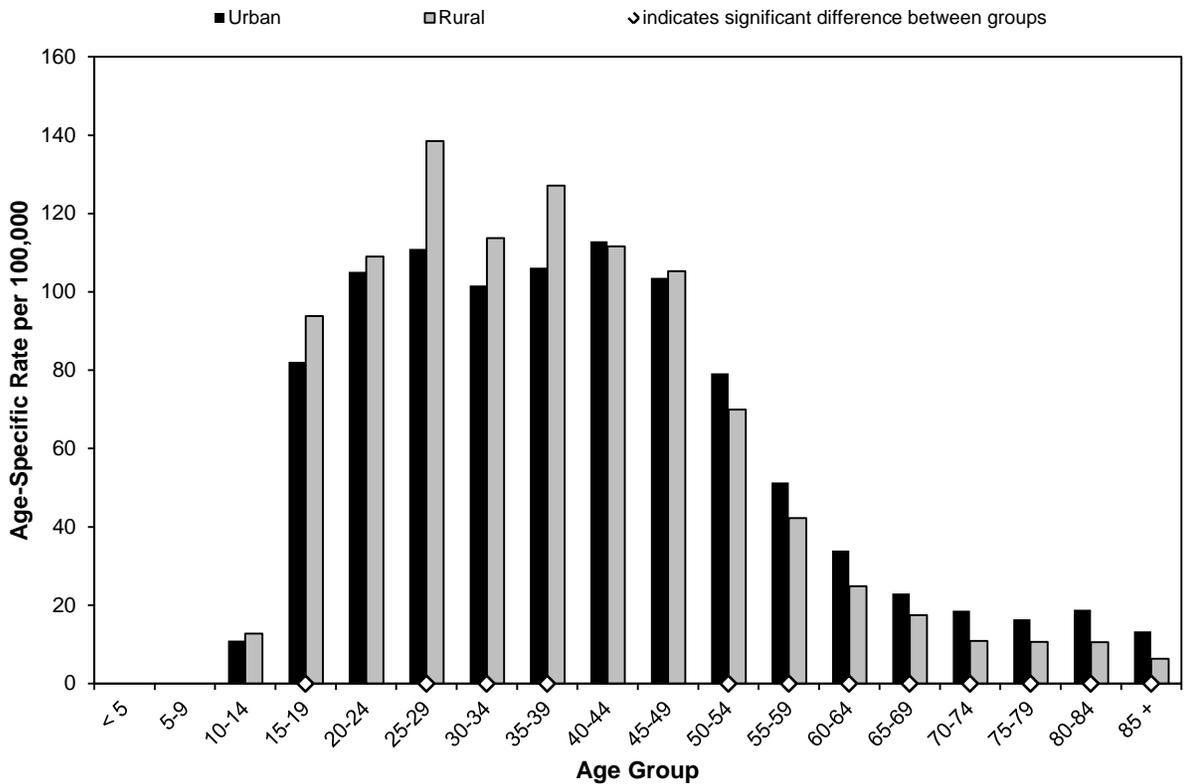
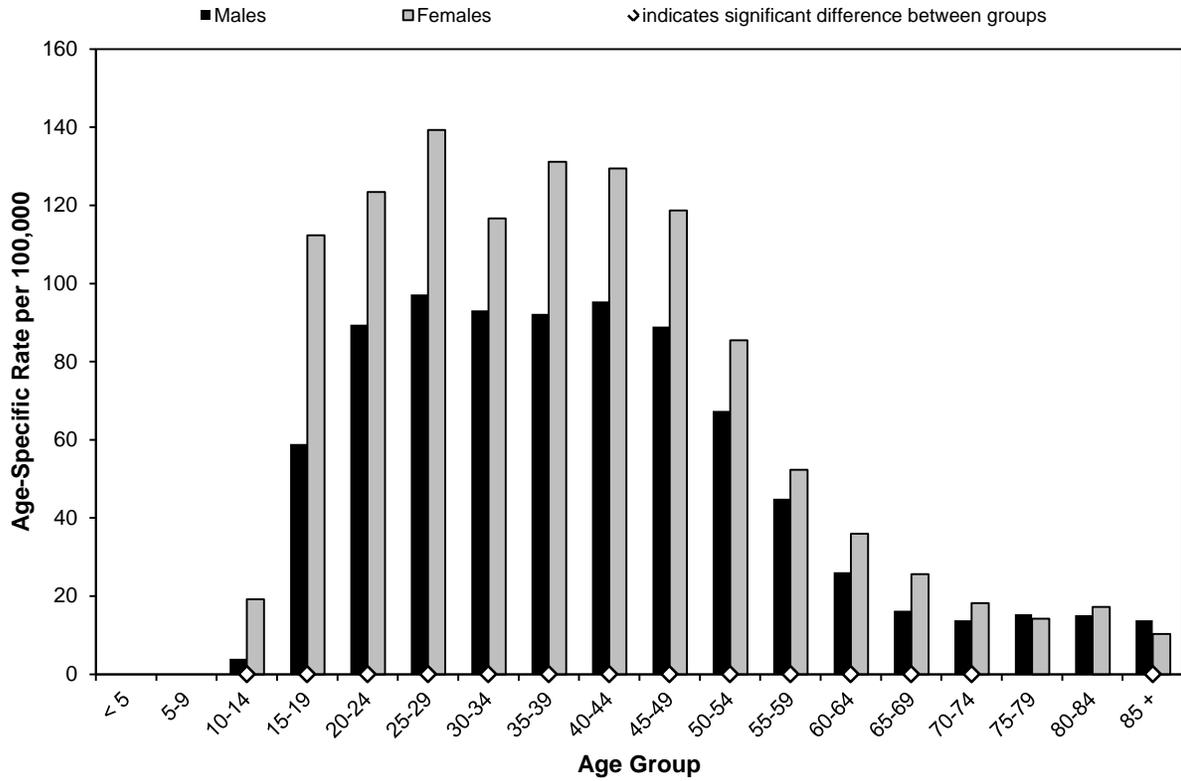
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

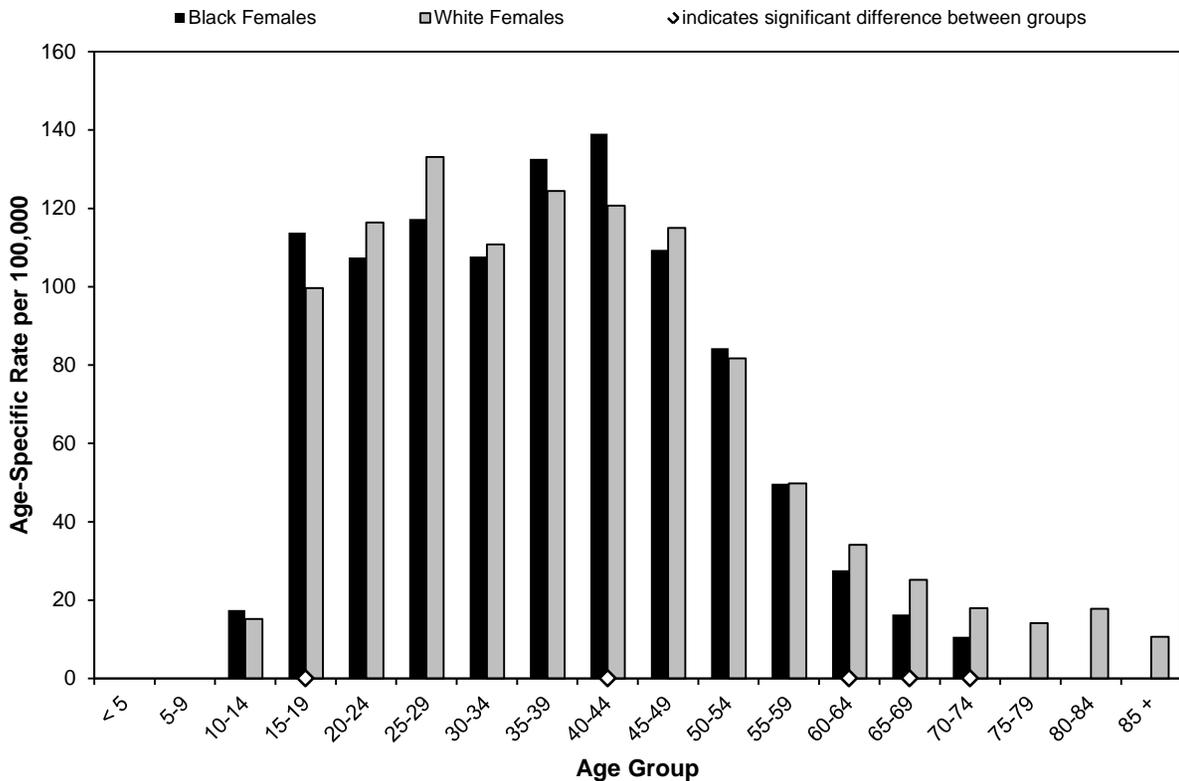
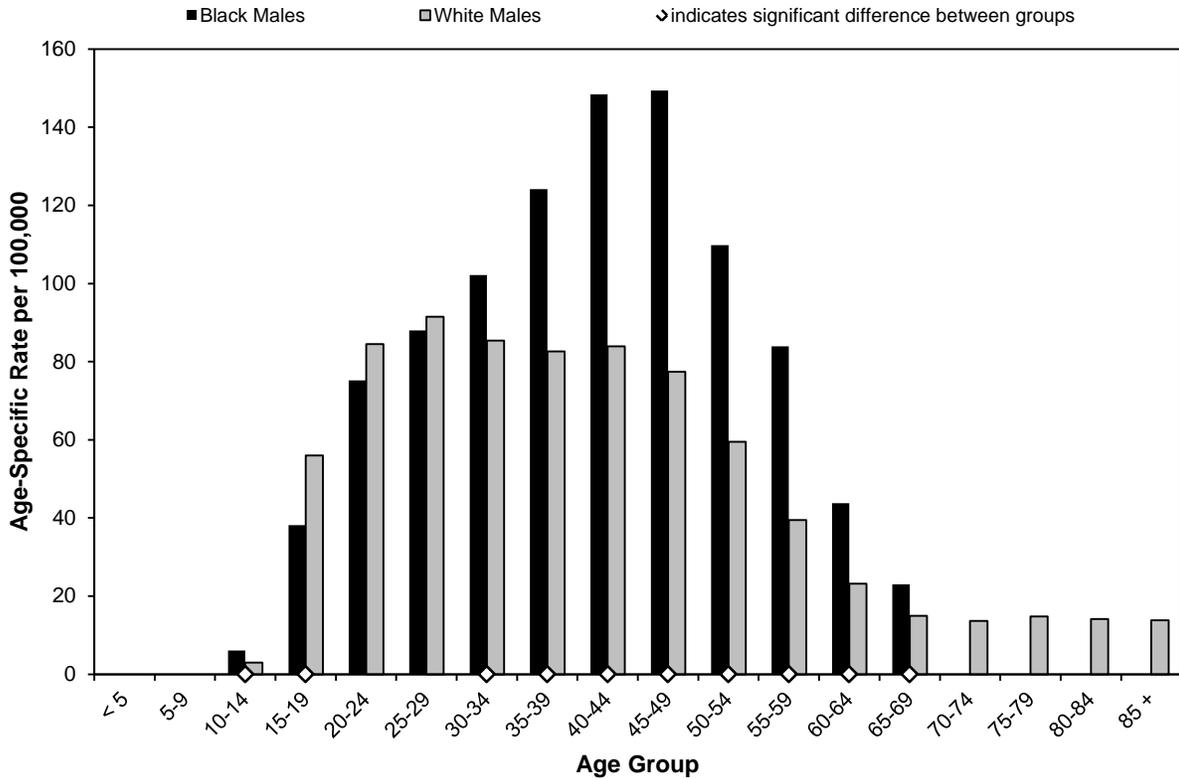
INJURY HOSPITALIZATION: SELF-POISONING

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: SELF-POISONING

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: SELF-POISONING

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

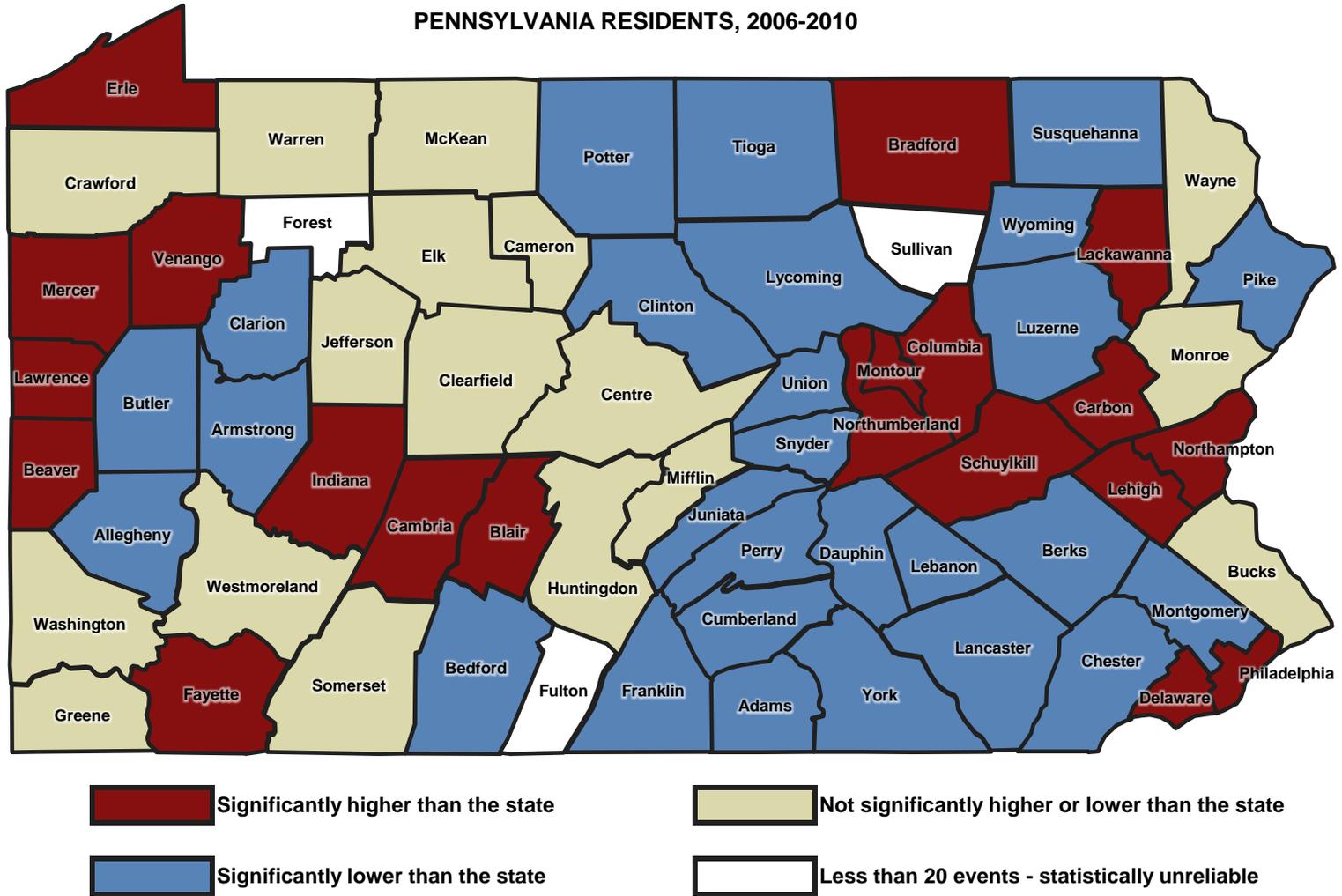
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	5,546	73.4	71.5-75.4 +	Southeast	16,468	66.7	65.7-67.7 +
Carbon	380	128.9	115.8-142.1 +	Berks	1,157	58.9	55.5-62.4 -
Lackawanna	839	84.0	78.2-89.7 +	Bucks	1,983	65.5	62.6-68.5
Lehigh	1,360	83.1	78.7-87.6 +	Chester	978	40.2	37.7-42.8 -
Luzerne	742	49.0	45.4-52.6 -	Delaware	2,114	76.5	73.2-79.8 +
Monroe	556	66.4	60.8-72	Lancaster	1,212	50.1	47.3-53 -
Northampton	1,294	90.6	85.6-95.6 +	Montgomery	1,996	52.2	49.8-54.5 -
Pike	64	22.0	16.4-27.6 -	Philadelphia	6,153	84.5	82.4-86.7 +
Susquehanna	100	53.3	42.6-64 -	Schuylkill	875	125.4	117.1-133.8 +
Wayne	142	60.1	50-70.2				
Wyoming	69	52.0	39.5-64.5 -				
North Central	2,048	61.9	59.1-64.7 -	South Central	4,123	52.2	50.6-53.8 -
Bradford	243	88.1	76.9-99.3 +	Adams	162	32.8	27.7-37.9 -
Centre	466	67.3	60.6-73.9	Bedford	76	33.9	26.2-41.6 -
Clinton	68	37.1	27.9-46.3 -	Blair	461	77.5	70.3-84.7 +
Columbia	228	75.7	65.4-85.9 +	Cumberland	519	45.7	41.7-49.7 -
Lycoming	246	43.1	37.6-48.5 -	Dauphin	660	52.5	48.4-56.5 -
Montour	89	109.8	86.6-133.1 +	Franklin	288	43.5	38.4-48.5 -
Northumberland	397	94.3	84.9-103.7 +	Fulton	19	NSR	
Potter	34	45.6	30-61.1 -	Huntingdon	163	72.7	61.4-83.9
Snyder	91	50.0	39.6-60.5 -	Juniata	38	34.2	23.2-45.2 -
Sullivan	14	NSR		Lebanon	218	36.0	31.1-40.8 -
Tioga	76	42.9	32.9-52.8 -	Mifflin	145	71.9	60.1-83.7
Union	96	41.5	33.1-49.9 -	Perry	113	52.3	42.6-62.1 -
				York	1,261	60.6	57.2-63.9 -
Northwest	3,589	82.3	79.6-85.1 +	Southwest	8,026	62.4	61-63.7 -
Cameron	21	90.2	50.3-130	Allegheny	3,269	55.3	53.4-57.3 -
Clarion	56	30.6	22.2-39 -	Armstrong	161	53.8	45.3-62.2 -
Clearfield	264	67.1	59-75.3	Beaver	621	79.4	73.1-85.8 +
Crawford	292	71.4	63.1-79.7	Butler	329	37.2	33.2-41.3 -
Elk	110	79.4	64.4-94.4	Cambria	786	117.4	109-125.7 +
Erie	1,267	93.6	88.3-98.8 +	Fayette	529	79.4	72.5-86.3 +
Forest	4	NSR		Greene	120	62.3	51.1-73.6
Jefferson	136	65.3	54.1-76.4	Indiana	317	80.1	70.8-89.4 +
Lawrence	405	99.5	89.7-109.4 +	Somerset	225	61.4	53.3-69.6
McKean	156	75.3	63.4-87.2	Washington	594	62.1	57-67.2
Mercer	552	103.0	94.3-111.8 +	Westmoreland	1,075	63.5	59.6-67.3
Venango	217	89.7	77.6-101.8 +				
Warren	109	57.2	46.1-68.2	Pennsylvania	39,800	65.4	64.7-66

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY HOSPITALIZATIONS: SELF-POISONING

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY,
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE
PENNSYLVANIA RESIDENTS, 2006-2010



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: SELF-POISONING

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	16,416	23,380	39,800	10,982	68.2	13,036	109.8	11,491	88.1	3,406	28.4	885	9.2
Northeast	2,284	3,260	5,546	1,982	100.4	1,866	130.4	1,348	82.2	270	17.3	80	6.4
Carbon	155	225	380	149	211.5	140	235.7	82	122.5	7	NSR	2	NSR
Lackawanna	368	471	839	281	111.1	298	150.6	198	94.9	54	26.4	8	NSR
Lehigh	578	782	1,360	484	108.1	474	147.3	331	93.6	52	16.0	19	7.4
Luzerne	312	428	742	254	70.3	239	83.0	183	56.1	54	17.4	12	4.2
Monroe	195	361	556	180	77.1	180	122.8	166	88.7	27	16.5	3	NSR
Northampton	549	745	1,294	485	123.5	424	154.7	303	98.7	49	17.3	33	15.0
Pike	17	47	64	25	35.1	15	33.1	16	24.2	8	NSR	0	NSR
Susquehanna	44	56	100	44	88.1	40	118.2	13	31.0	3	NSR	0	NSR
Wayne	42	100	142	64	114.6	34	81.9	36	67.4	7	NSR	1	NSR
Wyoming	24	45	69	16	42.2	22	94.2	20	70.0	9	NSR	2	NSR
Southeast	7,076	9,392	16,468	3,883	57.4	5,097	103.2	5,211	98.8	1,827	40.2	450	13.0
Berks	472	685	1,157	352	62.2	413	110.9	286	66.7	85	23.0	21	7.3
Bucks	828	1,155	1,983	671	83.5	590	114.0	543	75.1	130	20.4	49	11.3
Chester	401	577	978	334	48.4	297	67.0	253	45.6	67	14.4	27	8.9
Delaware	953	1,161	2,114	513	68.3	602	112.8	731	125.9	198	38.0	70	17.7
Lancaster	462	750	1,212	422	58.9	394	82.3	316	62.5	60	13.3	20	5.4
Montgomery	755	1,241	1,996	720	71.6	521	74.5	561	64.1	134	17.9	60	10.3
Philadelphia	2,851	3,302	6,153	552	26.7	1,971	112.0	2,311	160.1	1,121	92.7	198	21.1
Schuylkill	354	521	875	319	197.0	309	232.2	210	128.1	32	22.2	5	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	16,416	23,380	39,800	10,982	68.2	13,036	109.8	11,491	88.1	3,406	28.4	885	9.2
North Central	738	1,309	2,048	824	95.3	677	92.9	449	68.1	69	10.9	29	5.4
Bradford	79	164	243	108	137.1	78	152.8	50	78.5	6	NSR	1	NSR
Centre	137	329	466	200	104.8	139	61.6	98	79.4	17	15.7	12	14.6
Clinton	30	38	68	37	73.5	14	38.0	14	40.5	3	NSR	0	NSR
Columbia	90	138	228	80	94.1	78	112.3	56	94.3	9	NSR	5	NSR
Lycoming	110	136	246	80	55.8	72	64.5	81	68.7	8	NSR	5	NSR
Montour	24	65	89	29	132.0	46	325.8	13	71.7	1	NSR	0	NSR
Northumberland	145	251	397	165	155.1	120	157.1	87	90.3	19	20.1	6	NSR
Potter	14	20	34	12	54.0	17	127.1	5	NSR	0	NSR	0	NSR
Snyder	38	53	91	39	75.1	39	98.6	12	31.8	1	NSR	0	NSR
Sullivan	6	8	14	8	NSR	6	NSR	0	NSR	0	NSR	0	NSR
Tioga	29	47	76	23	41.5	28	78.8	21	56.2	4	NSR	0	NSR
Union	36	60	96	43	84.2	40	78.3	12	24.7	1	NSR	0	NSR
South Central	1,659	2,464	4,123	1,303	61.9	1,439	95.4	1,072	61.6	246	15.3	63	5.1
Adams	56	106	162	57	42.4	52	56.1	43	39.8	8	NSR	2	NSR
Bedford	25	51	76	25	41.2	29	71.0	20	38.3	2	NSR	0	NSR
Blair	198	263	461	186	119.4	134	119.0	112	89.1	23	18.2	6	NSR
Cumberland	183	336	519	165	56.9	176	76.0	136	57.9	33	15.2	9	NSR
Dauphin	289	371	660	118	35.2	240	102.0	214	75.5	72	27.5	16	9.0
Franklin	108	180	288	97	51.0	110	84.7	62	43.2	17	12.5	2	NSR
Fulton	11	8	19	14	76.0	3	NSR	2	NSR	0	NSR	0	NSR
Huntingdon	62	101	163	75	142.4	60	131.9	21	42.8	7	NSR	0	NSR
Juniata	16	22	38	14	45.3	14	69.7	8	NSR	2	NSR	0	NSR
Lebanon	78	140	218	83	50.8	79	64.6	37	28.7	15	12.0	4	NSR
Mifflin	47	98	145	45	74.4	65	169.6	30	64.7	5	NSR	0	NSR
Perry	34	79	113	27	44.6	48	120.2	33	66.7	5	NSR	0	NSR
York	552	709	1,261	397	71.8	429	111.2	354	74.0	57	13.7	24	8.2

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	16,416	23,380	39,800	10,982	68.2	13,036	109.8	11,491	88.1	3,406	28.4	885	9.2
Northwest	1,524	2,065	3,589	1,175	100.2	1,208	143.3	980	104.4	183	20.1	43	5.6
Cameron	12	9	21	7	NSR	8	NSR	6	NSR	0	NSR	0	NSR
Clarion	22	34	56	17	32.6	24	61.1	13	35.1	2	NSR	0	NSR
Clearfield	116	148	264	87	96.3	96	129.3	64	70.2	16	19.4	1	NSR
Crawford	119	173	292	102	86.9	97	124.6	77	88.5	15	16.8	1	NSR
Elk	44	66	110	47	122.5	43	175.4	16	44.6	4	NSR	0	NSR
Erie	531	736	1,267	315	84.3	419	147.6	425	151.7	85	32.8	23	11.4
Forest	3	1	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	70	66	136	42	76.4	50	129.8	34	74.6	8	NSR	2	NSR
Lawrence	183	222	405	144	127.4	139	184.7	108	119.3	7	NSR	7	NSR
McKean	43	113	156	77	142.6	47	119.8	27	58.0	5	NSR	0	NSR
Mercer	242	310	552	203	135.5	182	182.7	132	114.4	28	24.3	7	NSR
Venango	97	120	217	92	135.8	70	157.5	46	83.6	7	NSR	2	NSR
Warren	42	67	109	38	77.6	33	102.2	32	75.9	6	NSR	0	NSR
Southwest	3,135	4,890	8,026	1,815	56.2	2,749	113.5	2,431	87.0	811	29.4	220	9.4
Allegheny	1,273	1,996	3,269	316	21.6	1,043	91.4	1,185	94.8	574	47.2	151	14.7
Armstrong	69	92	161	68	81.2	51	96.0	31	43.0	8	NSR	3	NSR
Beaver	256	365	621	133	66.0	227	158.8	199	111.3	46	25.3	16	10.1
Butler	128	201	329	110	45.4	108	67.8	84	42.1	23	12.8	4	NSR
Cambria	319	467	786	258	155.6	279	219.7	207	141.7	30	20.1	12	8.9
Fayette	201	328	529	182	109.1	176	146.9	137	91.6	30	19.7	4	NSR
Greene	51	68	120	41	91.1	48	123.9	24	56.6	7	NSR	0	NSR
Indiana	130	187	317	103	90.0	121	130.4	77	96.5	15	18.0	1	NSR
Somerset	86	139	225	102	120.5	82	118.4	31	37.2	8	NSR	2	NSR
Washington	222	372	594	176	70.9	235	128.9	154	73.1	22	10.3	7	NSR
Westmoreland	400	675	1,075	326	78.8	379	128.1	302	79.0	48	12.3	20	5.9

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: SELF-POISONING

**NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	456	58.6	53.1-64	Allegheny	2,732	56.1	54-58.2	Berks	193	68.6	58.2-79
Chester	93	63.4	50.1-76.8	Chester	811	37.6	35-40.2	Lancaster	59	29.9	22.1-37.8
Dauphin	118	53.6	43.8-63.3	Dauphin	481	49.8	45.2-54.3	Lehigh	231	81.5	70.6-92.5
Delaware	309	57.6	51.1-64.1	Delaware	1,716	84.3	80.2-88.3	Philadelphia	736	88.8	82.1-95.5
Montgomery	174	48.6	41.3-55.8	Montgomery	1,615	50.6	48-53.1				
Philadelphia	2,466	77.1	74-80.1	Philadelphia	2,633	77.0	74-80				
Pennsylvania	4,640	69.8	67.7-71.8	Pennsylvania	31,136	60.6	59.9-61.3	Pennsylvania	2,033	68.7	65.5-71.8

**NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC HOSPITALIZATION RATES
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
Allegheny	White	82.7%	1,057	1,675	2,732	83.6%	235	21.3	869	96.2	994	94.5	498	46.8	136	14.7
	Black	13.4%	184	272	456	13.9%	68	24.7	144	83.7	168	110.0	66	51.5	10	11.1
Chester	White	88.7%	327	484	811	82.9%	101	16.9	222	58.4	287	58.2	143	33.4	58	20.5
	Black	6.2%	41	52	93	9.5%	5	NSR	43	123.5	28	94.5	15	65.5	2	NSR
Dauphin	White	76.3%	215	266	481	72.9%	47	20.9	130	75.5	178	81.1	103	47.7	23	14.9
	Black	17.9%	50	68	118	17.9%	10	12.5	35	74.4	55	113.3	16	43.6	2	NSR
Delaware	White	75.0%	759	957	1,716	81.2%	177	34.2	549	149.3	558	129.5	335	78.6	97	28.1
	Black	18.9%	148	161	309	14.6%	47	26.8	98	76.2	119	108.4	41	57.6	4	NSR
Montgomery	White	83.7%	621	994	1,615	80.9%	199	24.6	467	83.8	495	68.4	333	50.9	121	22.8
	Black	8.7%	70	104	174	8.7%	23	23.3	64	84.3	60	75.3	24	43.3	3	NSR
Philadelphia	White	45.6%	1,258	1,375	2,633	42.8%	144	18.7	856	104.1	923	140.4	571	96.5	139	25.8
	Black	45.3%	1,141	1,325	2,466	40.1%	228	21.1	723	98.1	1,040	158.1	431	81.3	44	12.3
Pennsylvania	White	84.9%	12,627	18,506	31,136	78.2%	3,208	24.8	9,965	103.1	11,200	100.5	5,328	49.9	1,435	16.3
	Black	10.7%	2,117	2,523	4,640	11.7%	541	24.7	1,522	99.0	1,807	133.4	700	69.7	70	10.9

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL INJURIES

In 2010, among Pennsylvania residents, there were 123,901 hospitalizations due to unintentional injury. On average, one resident was hospitalized every four minutes.

Injury Definition

Unintentional injury is negatively defined to include all events in which there is not a deliberate intent to cause harm to oneself or another person.

Injuries are not coded unintentional if the intent is unknown; these are instead coded “undetermined.”

Leading mechanisms of unintentional injury include falls, motor vehicle accidents and poisoning. These three mechanisms account for nearly 70 percent of all unintentional injury hospitalizations in Pa.

HIGHLIGHTS

- *Age-adjusted rates have generally been **stable** over 2006 to 2010.*
- *The most common demographic is **white females, 65 and older.***
- *Of all Pennsylvania counties, **Carbon and Delaware** show the highest rates.*

Trends Over Time

- The age-adjusted hospitalization rate for unintentional injury increased from 2006 to 2007, from 868.5 to 899.7 hospitalizations per 100,000 population. Rates then decreased to 829.5 hospitalizations per 100,000 population in 2010.
- Males showed significantly higher age-adjusted hospitalization rates than females over 2006 to 2010 (rates were 889.5 and 755.0, respectively, in 2010).
- Black males and females showed significantly higher age-adjusted hospitalization rates than white males and females over 2006 to 2010.

Demographic Trends

- Males showed significantly higher hospitalization rates for unintentional injury among ages less than 65; while females showed significantly higher rates for ages 70 and older.
- Blacks showed significantly higher hospitalization rates for most ages under 70, while whites showed significantly higher rates for ages 80 and older.

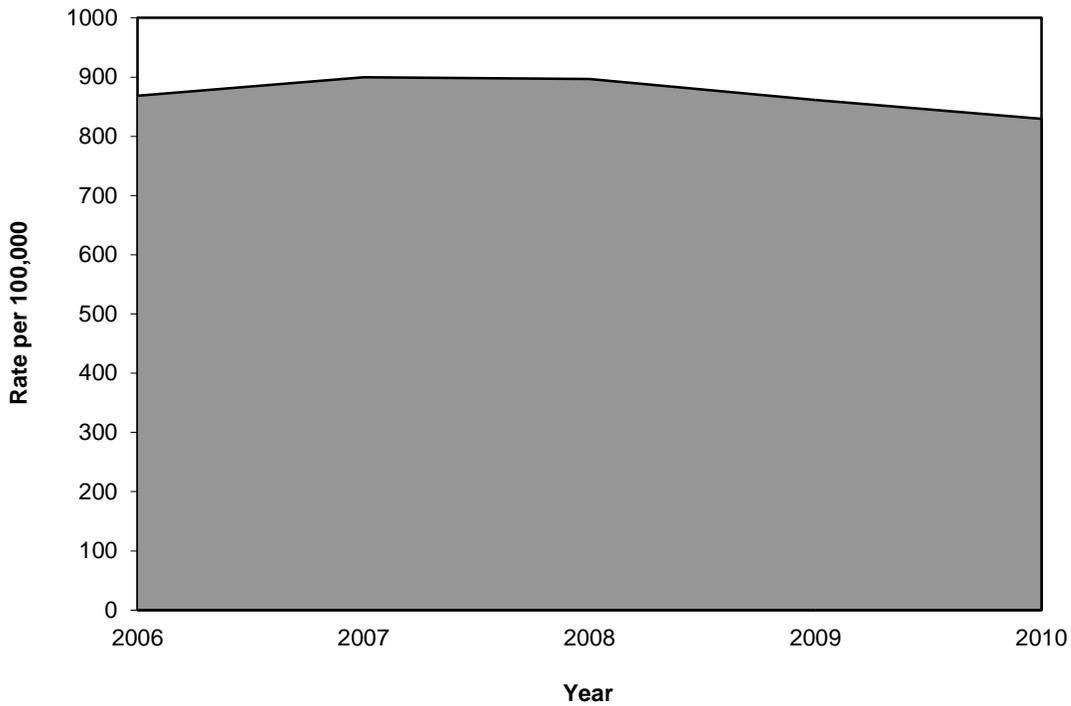
Regional Trends

- The Southeast Health District generally showed the highest age-adjusted hospitalization rates for unintentional injury, while the North Central and South Central Health Districts showed the lowest rates. Other districts showed high rates for certain age groups.
- Twenty-two counties showed age-adjusted hospitalization rates for 2009 that were significantly higher than the comparable state rate. These counties appeared in three broad clusters, in the northeast and in the west, as well as the Philadelphia region.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	119,312	868.5
2007	124,965	899.7
2008	128,305	896.7
2009	126,704	861.3
2010	123,901	829.5



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	630.1	929.7	863.4	666.8	910.4	933.1
2007	698.6	957.8	880.8	696.4	946.1	957.7
2008	712.8	954.6	920.4	686.9	934.0	955.0
2009	690.6	883.8	859.5	673.9	923.0	893.2
2010	687.5	831.6	838.5	614.3	891.5	878.9

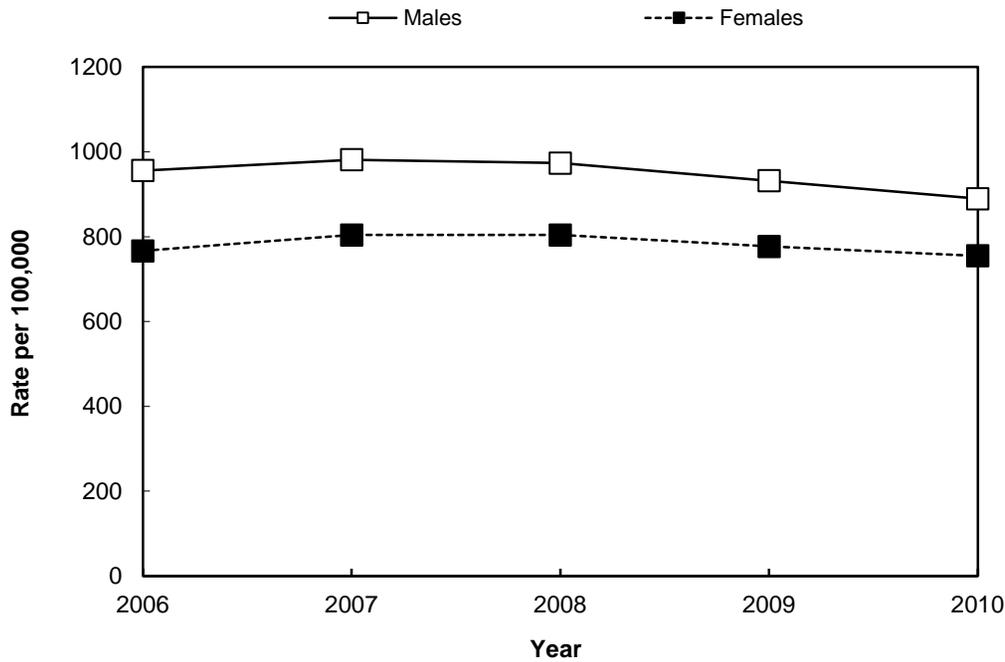
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.
See Technical Notes.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	56,244	955.9 *	2006	63,061	766.4
2007	58,520	981.3 *	2007	66,428	803.9
2008	59,885	973.7 *	2008	68,382	804.1
2009	59,112	931.9 *	2009	67,534	776.8
2010	57,483	889.5 *	2010	66,382	755.0

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	978.6	900.8 *	2006	782.7	723.9 *
2007	1,009.2	913.2 *	2007	815.9	773.2 *
2008	983.7	948.8 *	2008	812.4	783.1 *
2009	948.8	889.7 *	2009	788.6	746.3 *
2010	911.8	836.2 *	2010	764.1	732.0 *

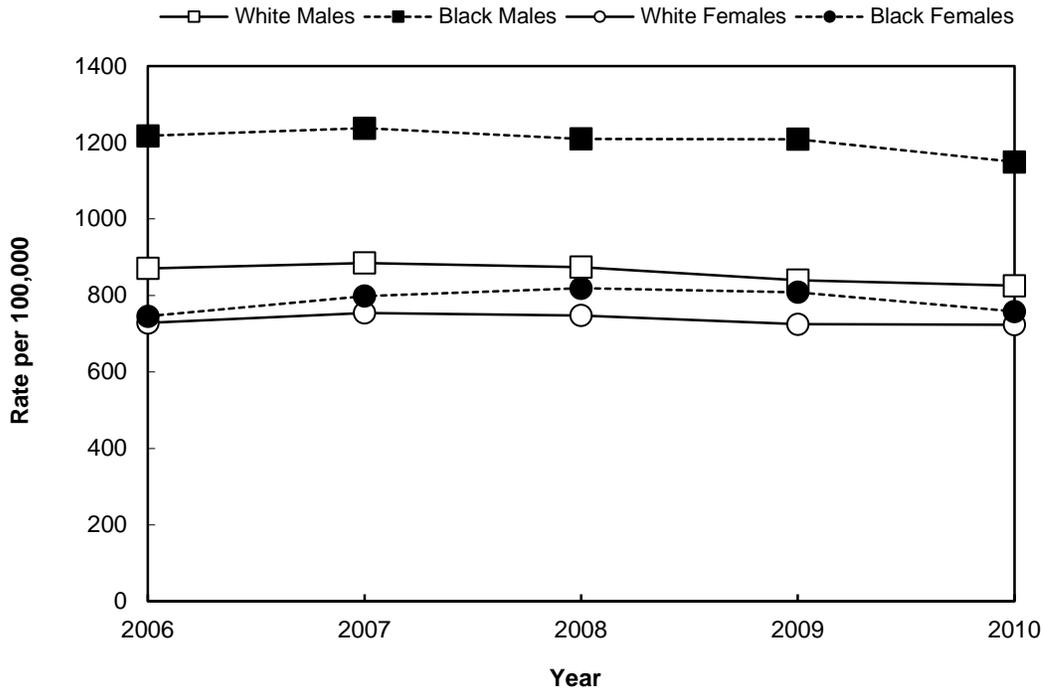
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	45,277	6,545	54,748	4,987	1,456	824
2007	46,645	6,682	56,850	5,380	1,806	1,267
2008	47,720	6,616	58,107	5,630	2,036	1,439
2009	47,341	6,771	57,527	5,722	1,901	1,464
2010	46,238	6,649	57,029	5,408	1,763	1,318



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	870.9	1,217.2 *	727.9	745.4	657.0	443.6
2007	884.7	1,237.0 *	754.1	798.5 *	977.7	749.2
2008	874.0	1,209.2 *	747.8	818.6 *	1,068.0	808.0
2009	840.1	1,208.5 *	724.9	808.4 *	918.4	754.3
2010	825.3	1,149.0 *	723.6	758.1 *	829.5	673.7

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY HOSPITALIZATION: ALL UNINTENTIONAL

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	623,187	995.0	291,244	956.7	331,787	1,030.8	454,417	1,000.1	168,770	981.7		
< 5	7,781	211.6	4,593	244.1	3,181	177.1	*	6,140	222.8	1,641	178.0	*
5-9	6,622	174.4	4,069	209.7	2,549	137.3	*	5,042	179.3	1,580	160.6	*
10-14	9,233	230.0	6,493	316.7	2,731	139.1	*	6,717	227.4	2,516	237.4	
15-19	19,297	417.7	13,077	560.7	6,208	271.4	*	13,593	408.6	5,704	441.1	*
20-24	21,977	497.5	14,732	657.8	7,235	332.2	*	15,943	501.3	6,034	487.8	
25-29	19,369	518.9	12,721	668.9	6,643	362.7	*	14,373	513.5	4,996	535.0	*
30-34	17,517	470.7	11,383	608.0	6,124	331.2	*	12,895	469.7	4,622	473.7	
35-39	20,605	513.9	13,020	652.7	7,578	376.1	*	15,078	513.1	5,527	516.1	
40-44	26,863	611.0	16,837	773.3	10,014	451.2	*	19,934	620.7	6,929	584.7	*
45-49	33,828	728.6	20,946	915.1	12,865	546.6	*	25,340	750.6	8,488	670.0	*
50-54	37,079	817.1	21,747	978.0	15,322	662.1	*	27,567	840.9	9,512	755.1	*
55-59	36,042	886.7	19,892	1,008.9	16,142	771.2	*	26,565	914.0	9,477	818.2	*
60-64	35,097	1,030.1	17,961	1,104.5	17,126	961.5	*	25,450	1,057.3	9,647	964.6	*
65-69	34,852	1,302.9	16,243	1,317.6	18,605	1,290.1		24,664	1,323.9	10,188	1,254.8	*
70-74	40,565	1,831.1	17,067	1,751.4	23,495	1,893.5	*	28,909	1,869.7	11,656	1,741.9	*
75-79	57,068	3,059.1	21,598	2,818.2	35,461	3,226.2	*	40,775	3,107.6	16,293	2,944.0	*
80-84	76,361	5,279.3	25,545	4,659.9	50,805	5,656.2	*	55,283	5,372.5	21,078	5,049.6	*
85 +	123,031	8,857.2	33,320	7,921.7	89,703	9,262.7	*	90,149	9,047.8	32,882	8,373.7	*

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	233,221	900.3	33,263	1,039.8	284,261	1,041.6	27,127	768.1	15,274	501.9
< 5	2,582	173.2	1,068	412.5	* 1,794	126.5	715	283.9	* 798	232.6
5-9	2,584	166.2	821	316.3	* 1,640	110.8	491	196.1	* 505	164.2
10-14	4,639	280.1	1,076	385.4	* 1,928	122.0	490	181.9	* 453	158.2
15-19	9,820	518.6	1,793	569.7	* 4,626	248.7	846	275.8	* 788	264.6
20-24	10,939	600.8	1,874	629.2	5,201	294.6	1,134	384.5	* 1,048	383.5
25-29	9,306	601.4	1,775	716.6	* 4,821	326.6	1,073	431.0	* 949	375.0
30-34	8,081	523.5	1,742	798.2	* 4,358	289.0	1,037	450.2	* 953	402.5
35-39	9,448	562.6	2,059	972.1	* 5,550	331.0	1,262	543.3	* 941	415.3
40-44	12,476	667.1	2,671	1,239.1	* 7,426	394.3	1,691	697.9	* 1,056	520.5
45-49	15,646	781.7	3,476	1,653.5	* 9,696	477.7	2,153	888.7	* 1,065	605.1
50-54	16,451	833.7	3,561	1,917.0	* 12,031	595.2	2,289	1,026.9	* 999	758.3
55-59	15,559	878.9	2,817	1,891.6	* 13,021	704.8	2,018	1,078.6	* 837	829.5
60-64	14,465	981.8	2,120	1,893.7	* 14,247	897.3	1,738	1,171.9	* 847	1,190.3
65-69	13,525	1,200.3	1,581	2,020.9	* 15,889	1,221.4	1,562	1,415.9	* 736	1,535.3
70-74	14,578	1,630.4	1,390	2,278.9	* 20,534	1,825.9	1,622	1,722.3	* 715	2,124.2
75-79	19,179	2,701.4	1,250	2,828.7	31,931	3,172.9	1,869	2,413.9	* 759	3,162.6
80-84	23,216	4,549.2	1,105	3,623.7	* 46,651	5,637.7	1,925	3,203.0	* 767	4,983.8
85 +	30,727	7,877.4	1,084	4,370.1	* 82,917	9,262.4	3,212	5,164.5	* 1,058	6,987.6

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
TOTAL	47,991	1,034.5	26,587	777.2	82,877	1,055.0	155,267	1,146.9	61,139	745.3	249,326	998.4						
< 5	442	173.0	-	339	191.2	982	227.1	+	1,204	169.1	-	724	146.3	-	4,090	254.7	+	
5-9	412	151.5	-	313	172.2	892	194.4	+	1,181	156.1	-	646	127.6	-	3,178	196.1	+	
10-14	691	234.3		399	206.0	-	1,335	265.1	+	1,930	237.1		874	165.2	-	4,004	238.6	
15-19	1,476	421.7		888	284.6	-	2,740	473.8	+	4,055	428.5		2,167	376.7	-	7,971	429.1	+
20-24	1,557	491.8		1,054	293.2	-	2,849	531.4	+	4,877	545.5	+	2,210	419.5	-	9,430	528.4	+
25-29	1,374	527.6		756	417.6	-	2,361	530.2		4,493	591.1	+	1,838	377.1	-	8,547	534.6	+
30-34	1,315	494.7		682	361.8	-	2,281	506.9	+	4,050	526.9	+	1,713	346.8	-	7,476	481.0	
35-39	1,591	558.6	+	792	391.1	-	2,660	534.0		4,592	549.2	+	2,092	389.3	-	8,878	537.9	+
40-44	1,873	595.4		1,015	458.8	-	3,573	644.8	+	6,087	649.5	+	2,625	447.0	-	11,690	655.9	+
45-49	2,460	725.9		1,262	536.1	-	4,255	724.6		7,813	764.4	+	3,053	496.1	-	14,985	812.8	+
50-54	2,772	818.3		1,399	599.5	-	4,553	789.4	-	8,867	856.9	+	3,324	555.8	-	16,164	920.3	+
55-59	2,802	907.0		1,493	698.3	-	4,407	841.6	-	8,840	941.5	+	3,410	624.7	-	15,090	984.0	+
60-64	2,617	990.4	-	1,558	844.5	-	4,613	1,010.0		8,389	1,068.3	+	3,599	783.1	-	14,321	1,139.3	+
65-69	3,030	1,414.9	+	1,637	1,063.2	-	4,590	1,272.7		8,627	1,407.8	+	3,493	949.1	-	13,475	1,396.0	+
70-74	3,387	1,871.8		1,888	1,482.3	-	5,437	1,861.8		10,194	1,936.4	+	4,243	1,432.8	-	15,416	1,945.4	+
75-79	4,748	3,114.3		2,577	2,473.8	-	7,799	3,234.4	+	15,198	3,308.5	+	5,797	2,399.1	-	20,949	3,141.8	+
80-84	6,134	5,242.2		3,378	4,321.0	-	10,486	5,662.9	+	21,321	5,717.7	+	7,625	4,325.6	-	27,417	5,304.3	
85 +	9,310	8,547.0	-	5,157	7,085.1	-	17,064	9,722.7	+	33,549	9,297.6	+	11,706	7,171.3	-	46,245	9,107.6	+

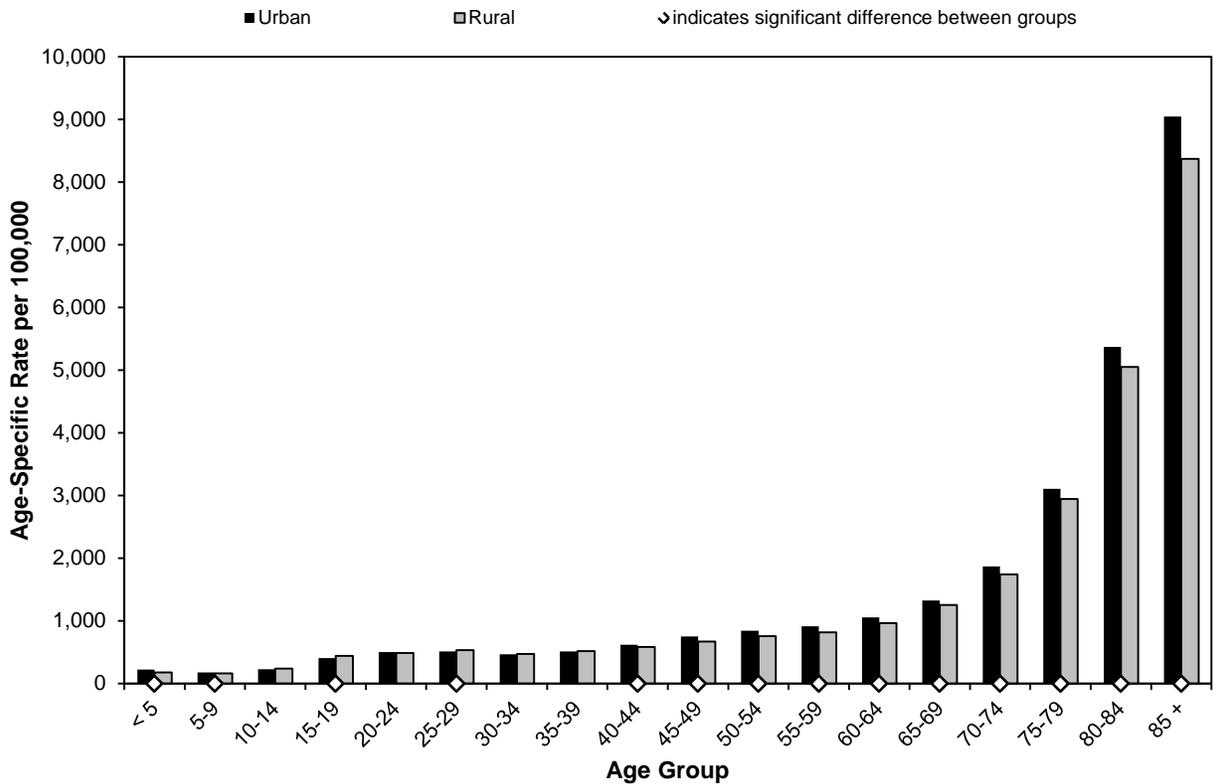
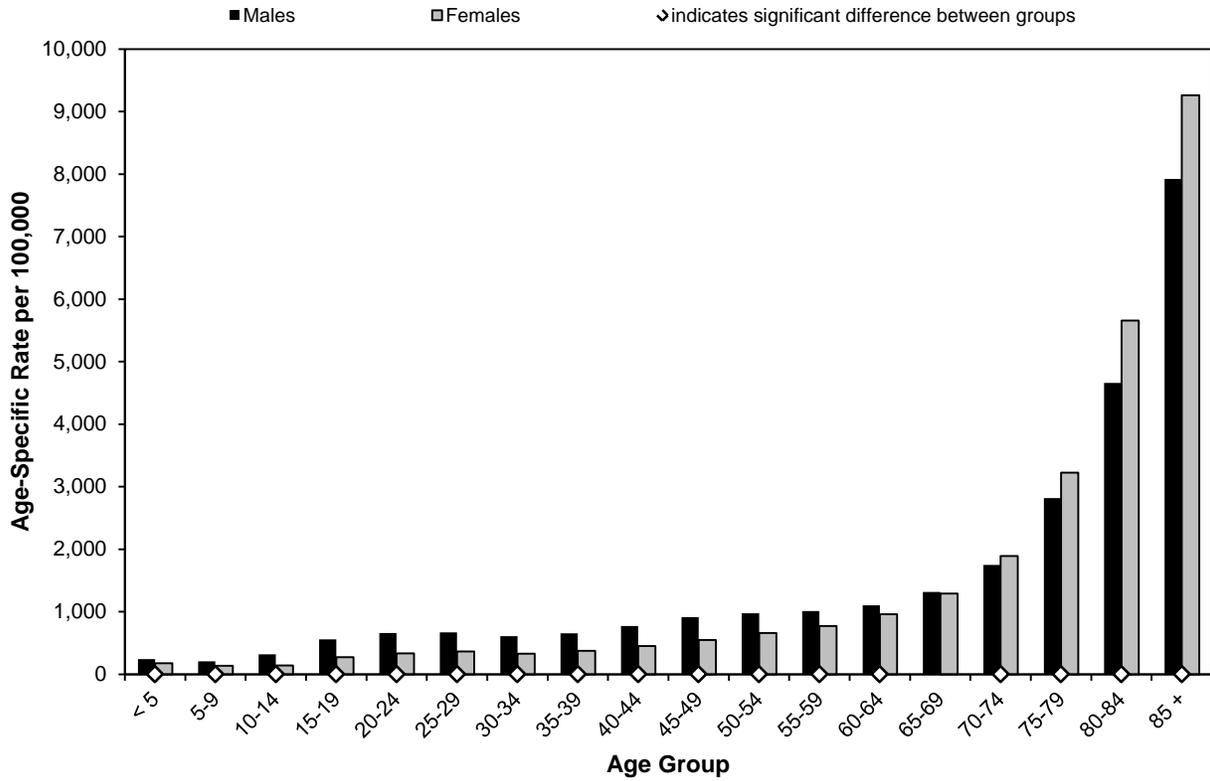
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

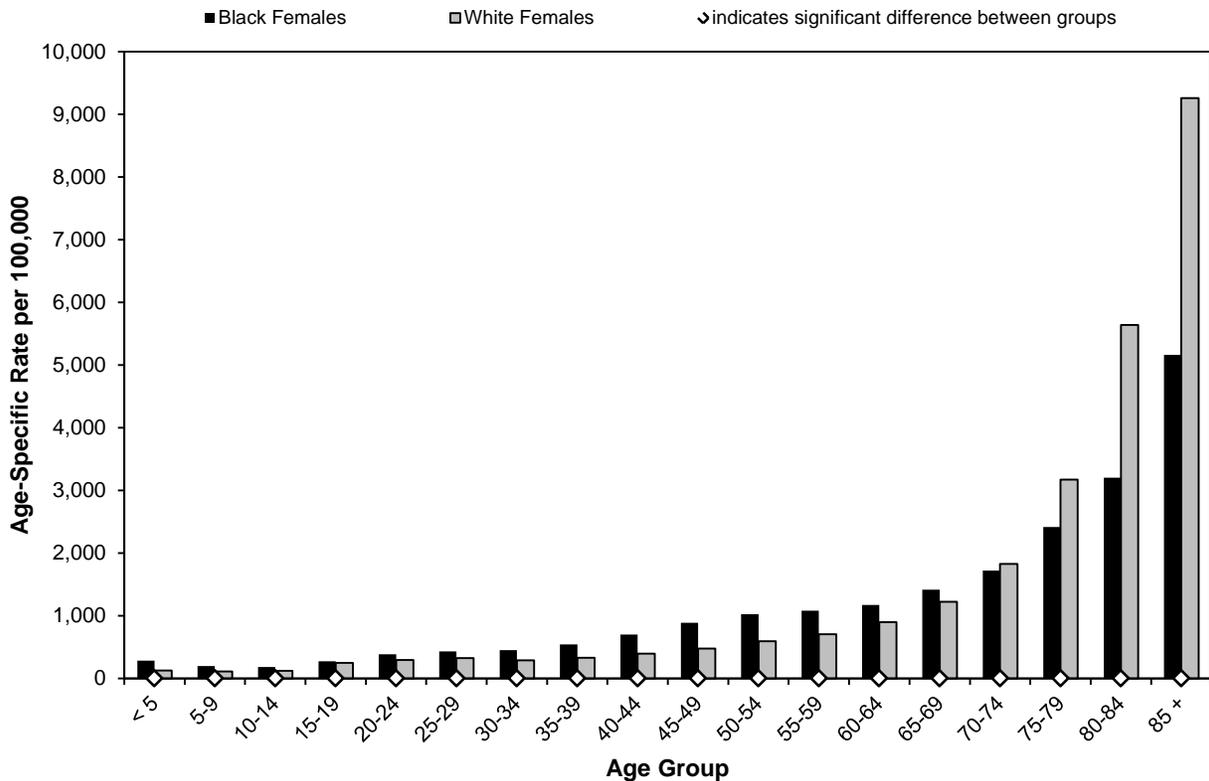
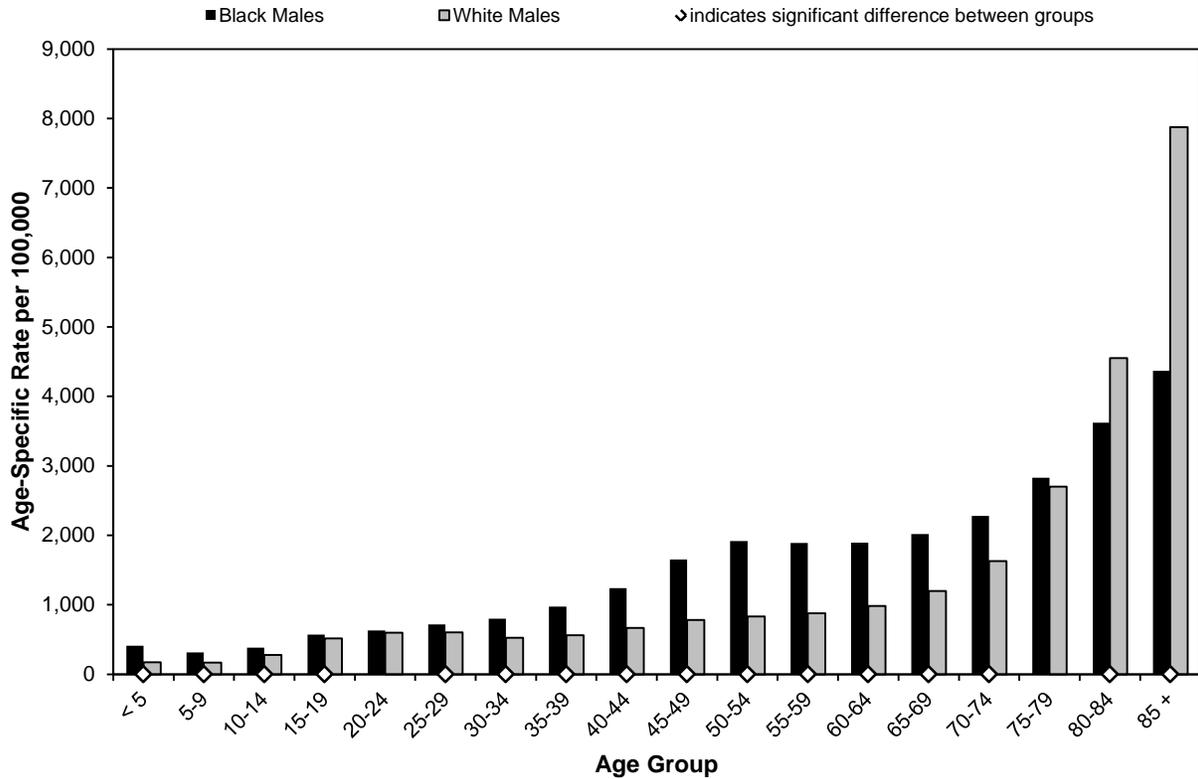
INJURY HOSPITALIZATION: ALL UNINTENTIONAL

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: ALL UNINTENTIONAL

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: ALL UNINTENTIONAL

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

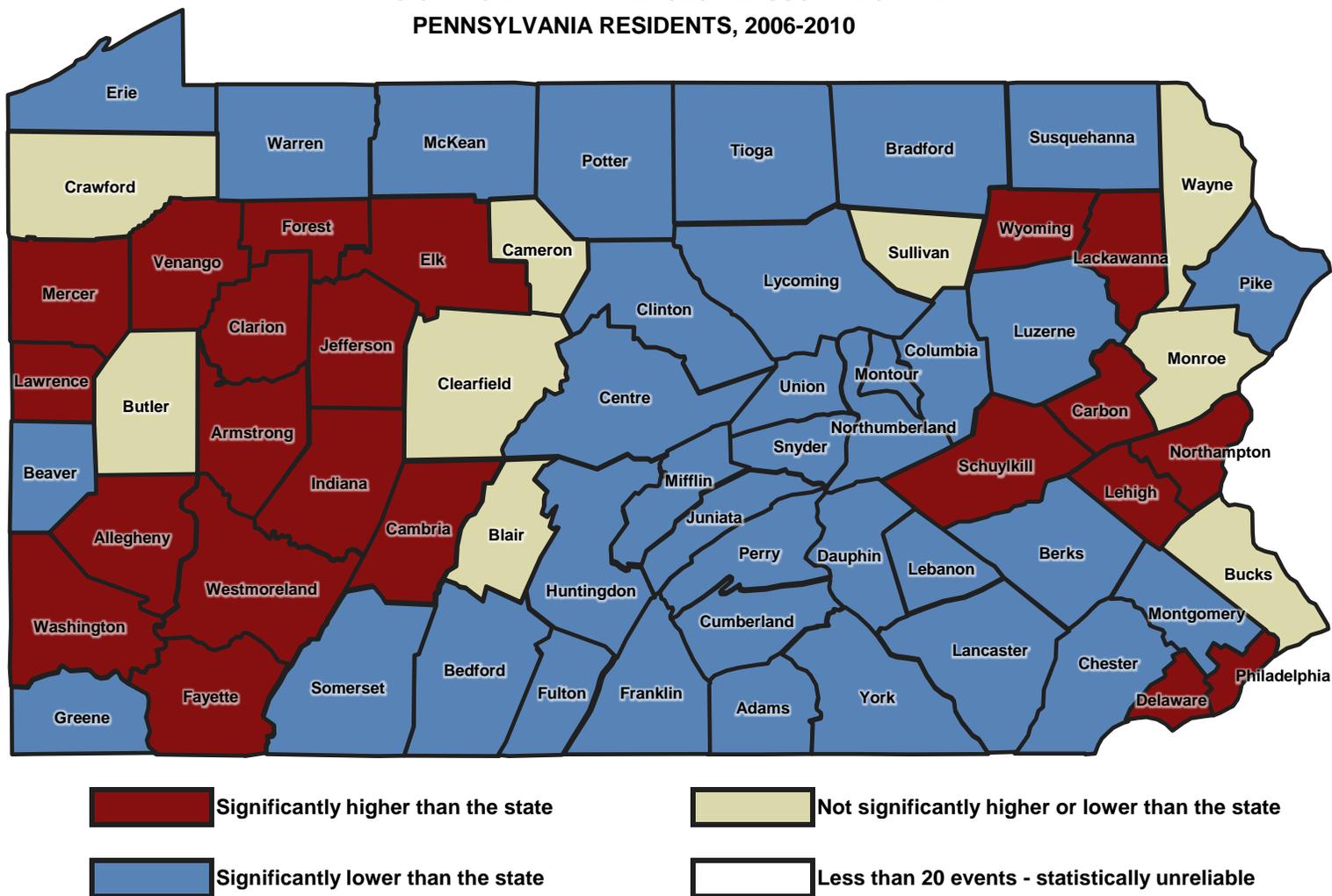
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	82,877	908.4	902.2-914.7 +	Southeast	249,326	919.7	916.1-923.3 +
Carbon	4,254	1,145.2	1110.4-1180 +	Berks	17,532	790.9	779.2-802.6 -
Lackawanna	12,273	925.0	908.2-941.8 +	Bucks	28,467	861.3	851.3-871.2
Lehigh	16,923	886.7	873.3-900.1 +	Chester	18,468	753.0	742.3-763.8 -
Luzerne	16,629	827.9	814.9-840.8 -	Delaware	34,665	1,106.9	1095.2-1118.5 +
Monroe	7,072	877.5	857-898.1	Lancaster	19,704	716.5	706.5-726.5 -
Northampton	18,439	1,099.2	1083.4-1115.1 +	Montgomery	37,576	837.1	828.7-845.6 -
Pike	1,354	430.6	407-454.2 -	Philadelphia	83,658	1,095.6	1088.2-1103.1 +
Susquehanna	1,690	691.1	657.3-724.9 -	Schuylkill	9,256	1,011.4	990.2-1032.6 +
Wayne	2,630	859.3	825.3-893.2				
Wyoming	1,613	1,090.1	1036.9-1143.4 +				
North Central	26,587	682.7	674.4-691.1 -	South Central	61,139	666.0	660.7-671.3 -
Bradford	2,610	729.4	700.9-757.9 -	Adams	3,076	553.3	533.7-572.9 -
Centre	4,518	689.6	669.3-710 -	Bedford	1,923	673.1	642.2-704 -
Clinton	1,663	766.3	728.5-804.1 -	Blair	6,612	861.8	840.6-883
Columbia	2,998	813.9	784-843.9 -	Cumberland	8,986	683.3	669.2-697.5 -
Lycoming	4,946	714.4	694.2-734.5 -	Dauphin	9,137	656.0	642.5-669.5 -
Montour	814	779.9	724.6-835.2 -	Franklin	5,551	659.4	641.9-677 -
Northumberland	4,391	752.7	729.6-775.8 -	Fulton	633	760.3	700.6-820.1 -
Potter	667	641.7	591.2-692.3 -	Huntingdon	1,839	721.0	687.9-754.1 -
Snyder	1,182	553.2	521.4-585 -	Juniata	825	603.1	561.3-644.9 -
Sullivan	341	866.5	764.2-968.9	Lebanon	4,158	554.1	537-571.2 -
Tioga	1,112	464.1	435.7-492.5 -	Mifflin	2,133	786.3	752.1-820.5 -
Union	1,345	563.1	532.8-593.5 -	Perry	1,839	793.5	757-830.1 -
				York	14,427	638.7	628.3-649.1 -
Northwest	47,991	870.4	862.5-878.3	Southwest	155,267	921.8	917.1-926.5 +
Cameron	344	979.5	867.4-1091.6	Allegheny	72,166	943.4	936.3-950.4 +
Clarion	2,174	955.3	913.9-996.7 +	Armstrong	4,404	1,053.8	1021.6-1086 +
Clearfield	4,242	871.7	844.9-898.5	Beaver	8,233	762.3	745.2-779.4 -
Crawford	4,471	879.5	853.3-905.6	Butler	9,141	880.2	862-898.3
Elk	1,877	920.6	877.5-963.8 +	Cambria	9,233	986.6	965.6-1007.5 +
Erie	11,542	744.6	730.9-758.2 -	Fayette	7,762	894.0	873.5-914.5 +
Forest	401	1,006.6	903.5-1109.6 +	Greene	1,364	600.8	568.6-633 -
Jefferson	2,585	953.9	916.2-991.6 +	Indiana	5,161	1,020.7	991.8-1049.7 +
Lawrence	5,935	1,007.3	980.8-1033.8 +	Somerset	4,170	841.6	815.2-868 -
McKean	2,119	800.9	766.5-835.3 -	Washington	12,199	967.7	950.2-985.2 +
Mercer	7,726	1,048.7	1024.7-1072.7 +	Westmoreland	21,434	934.9	922-947.8 +
Venango	2,950	907.0	873.4-940.5 +				
Warren	1,625	647.4	614.9-679.9 -	Pennsylvania	623,187	869.4	867.2-871.6

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY,
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE
PENNSYLVANIA RESIDENTS, 2006-2010



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	291,244	331,787	623,187	42,933	266.5	58,863	495.8	81,296	623.0	108,218	901.1	331,877	3,460.2
Northeast	38,262	44,549	82,877	5,949	301.5	7,491	523.3	10,488	639.7	13,573	871.7	45,376	3,617.1
Carbon	2,020	2,232	4,254	282	400.4	407	685.1	570	851.4	677	1,014.5	2,318	4,217.5
Lackawanna	5,283	6,987	12,273	731	289.1	965	487.8	1,366	654.8	2,018	987.5	7,193	3,824.9
Lehigh	8,044	8,878	16,923	1,327	296.3	1,720	534.7	2,175	614.9	2,724	838.5	8,977	3,483.8
Luzerne	6,974	9,602	16,629	971	268.9	1,352	469.6	1,859	569.8	2,628	845.9	9,819	3,444.4
Monroe	3,689	3,380	7,072	678	290.6	752	513.0	1,160	620.1	1,424	868.2	3,058	3,037.8
Northampton	8,667	9,771	18,439	1,337	340.4	1,624	592.6	2,294	747.3	2,793	986.2	10,391	4,737.4
Pike	729	624	1,354	153	215.1	149	328.4	238	360.5	307	459.1	507	1,126.7
Susquehanna	768	922	1,690	122	244.2	142	419.7	231	551.2	243	513.0	952	2,737.4
Wayne	1,298	1,331	2,630	207	370.6	222	534.5	367	687.2	476	790.3	1,358	2,841.8
Wyoming	790	822	1,613	141	371.9	158	676.4	228	798.0	283	983.2	803	3,798.7
Southeast	119,968	129,332	249,326	19,243	284.6	25,453	515.5	35,553	673.8	45,575	1,002.3	123,502	3,580.6
Berks	8,531	9,000	17,532	1,338	236.5	1,627	437.1	2,365	551.1	3,024	817.3	9,178	3,184.0
Bucks	13,429	15,036	28,467	2,192	272.6	2,552	493.0	3,777	522.4	4,946	775.3	15,000	3,451.5
Chester	8,418	10,050	18,468	1,150	166.5	1,719	387.9	2,374	427.5	3,361	724.7	9,864	3,236.3
Delaware	16,056	18,607	34,665	2,413	321.4	3,241	607.0	4,453	767.2	6,081	1,167.8	18,477	4,674.2
Lancaster	9,575	10,127	19,704	1,770	247.1	2,032	424.4	2,542	502.8	3,087	683.4	10,273	2,774.7
Montgomery	16,949	20,619	37,576	2,448	243.5	3,109	444.6	4,196	479.1	6,173	823.5	21,650	3,717.6
Philadelphia	42,684	40,972	83,658	7,323	354.2	10,284	584.5	14,606	1,012.1	17,360	1,435.6	34,085	3,628.7
Schuylkill	4,326	4,921	9,256	609	376.1	889	667.9	1,240	756.2	1,543	1,072.7	4,975	3,704.3

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	291,244	331,787	623,187	42,933	266.5	58,863	495.8	81,296	623.0	108,218	901.1	331,877	3,460.2
North Central	12,377	14,157	26,587	1,939	224.2	2,492	341.8	3,069	465.6	4,450	704.5	14,637	2,728.4
Bradford	1,224	1,385	2,610	192	243.8	274	536.9	318	498.9	476	761.0	1,350	2,554.0
Centre	2,072	2,440	4,518	304	159.3	494	218.9	512	414.7	772	711.4	2,436	2,966.9
Clinton	765	893	1,663	116	230.4	154	418.2	196	567.7	268	774.8	929	2,974.0
Columbia	1,391	1,601	2,998	208	244.6	287	413.1	376	633.1	519	861.6	1,608	3,032.4
Lycoming	2,254	2,682	4,946	353	246.1	418	374.2	571	484.1	817	710.7	2,787	2,900.6
Montour	382	430	814	74	336.8	89	630.4	102	562.9	139	736.3	410	2,508.1
Northumberland	2,023	2,356	4,391	290	272.6	360	471.2	463	480.6	694	733.3	2,584	3,011.3
Potter	319	347	667	54	242.9	54	403.7	78	473.7	106	601.2	375	2,381.3
Snyder	573	608	1,182	115	221.3	108	273.1	115	304.4	182	514.2	662	2,369.2
Sullivan	172	167	341	13	179.1	34	795.7	49	886.9	61	917.3	184	2,465.8
Tioga	521	588	1,112	99	178.5	94	264.5	149	398.8	210	518.1	560	1,540.9
Union	681	660	1,345	121	236.9	126	246.6	140	288.7	206	555.7	752	2,386.2
South Central	28,432	32,700	61,139	4,411	209.5	5,761	382.0	7,770	446.5	10,333	644.4	32,864	2,639.0
Adams	1,519	1,557	3,076	220	163.5	280	302.1	399	369.2	513	526.3	1,664	2,250.4
Bedford	895	1,028	1,923	185	305.1	201	491.9	262	501.2	322	639.2	953	2,141.5
Blair	3,002	3,610	6,612	391	251.1	588	522.4	743	590.8	1,222	966.6	3,668	3,336.3
Cumberland	4,001	4,985	8,986	520	179.3	677	292.3	989	420.8	1,432	657.9	5,368	3,031.4
Dauphin	4,274	4,863	9,137	782	233.5	982	417.3	1,293	455.9	1,659	634.1	4,421	2,484.5
Franklin	2,544	3,006	5,551	349	183.3	423	325.6	649	452.0	841	617.3	3,289	2,748.3
Fulton	275	358	633	47	255.2	66	501.9	70	448.6	111	747.4	339	2,748.7
Huntingdon	929	909	1,839	136	258.2	246	540.8	230	468.7	336	751.0	891	2,461.2
Juniata	394	429	825	63	203.9	81	403.5	87	363.9	114	498.3	480	2,421.4
Lebanon	1,908	2,250	4,158	401	245.5	387	316.3	511	395.8	640	514.0	2,219	2,046.1
Mifflin	960	1,171	2,133	158	261.3	199	519.2	284	612.1	373	838.1	1,119	2,665.5
Perry	963	876	1,839	207	342.3	222	555.8	276	558.0	357	751.9	777	2,629.0
York	6,768	7,658	14,427	952	172.1	1,409	365.2	1,977	413.4	2,413	581.8	7,676	2,612.0

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	291,244	331,787	623,187	42,933	266.5	58,863	495.8	81,296	623.0	108,218	901.1	331,877	3,460.2
Northwest	22,252	25,739	47,991	3,021	257.7	4,246	503.8	5,924	631.4	8,191	898.2	26,609	3,440.1
Cameron	150	194	344	12	194.9	34	872.0	40	806.3	52	855.7	206	3,917.8
Clarion	1,077	1,097	2,174	141	270.7	234	596.1	279	752.7	346	914.4	1,174	3,491.4
Clearfield	2,082	2,160	4,242	314	347.7	450	606.2	616	675.6	720	871.1	2,142	2,958.6
Crawford	2,162	2,309	4,471	288	245.5	427	548.6	546	627.7	857	957.8	2,353	3,262.4
Elk	849	1,028	1,877	140	365.0	147	599.6	209	582.4	310	933.9	1,071	3,562.9
Erie	5,316	6,226	11,542	735	196.6	1,124	395.8	1,574	561.9	2,033	784.3	6,076	3,011.3
Forest	219	182	401	24	414.2	27	275.9	60	888.6	82	1,264.3	208	3,489.9
Jefferson	1,314	1,271	2,585	202	367.5	274	711.2	310	679.7	373	816.8	1,426	3,474.7
Lawrence	2,605	3,330	5,935	320	283.1	444	589.9	616	680.3	953	1,045.1	3,602	4,273.7
McKean	937	1,182	2,119	133	246.3	183	466.6	216	464.1	323	782.4	1,264	3,432.1
Mercer	3,335	4,391	7,726	406	271.0	492	494.0	919	796.3	1,271	1,104.0	4,638	4,425.8
Venango	1,404	1,546	2,950	195	287.9	273	614.2	369	670.3	567	965.1	1,546	3,229.8
Warren	802	823	1,625	111	226.6	137	424.1	170	403.1	304	676.1	903	2,409.7
Southwest	69,953	85,310	155,267	8,370	259.2	13,420	553.9	18,492	661.5	26,096	945.9	88,889	3,811.2
Allegheny	31,772	40,394	72,166	3,458	236.4	5,763	504.8	8,435	674.5	12,415	1,020.4	42,095	4,095.9
Armstrong	2,096	2,308	4,404	307	366.4	453	852.3	550	763.7	694	959.3	2,400	3,783.7
Beaver	3,686	4,547	8,233	493	244.7	740	517.7	1,040	581.5	1,419	779.3	4,541	2,870.2
Butler	4,372	4,769	9,141	614	253.6	841	527.9	1,152	576.7	1,449	805.0	5,085	3,764.4
Cambria	4,138	5,095	9,233	498	300.4	834	656.6	1,044	714.8	1,560	1,043.1	5,297	3,908.1
Fayette	3,691	4,070	7,762	442	265.0	822	685.9	1,031	689.3	1,405	924.7	4,062	3,241.8
Greene	627	737	1,364	96	213.2	144	371.6	147	347.0	223	539.4	754	2,536.8
Indiana	2,353	2,808	5,161	335	292.8	519	559.4	573	718.1	812	975.7	2,922	4,202.9
Somerset	2,047	2,123	4,170	254	300.0	361	521.0	478	573.9	655	830.0	2,422	3,346.9
Washington	5,568	6,631	12,199	722	290.9	1,039	570.1	1,516	719.7	2,088	977.5	6,834	3,820.5
Westmoreland	9,603	11,828	21,434	1,151	278.2	1,904	643.7	2,526	660.4	3,376	867.2	12,477	3,707.6

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	8,233	1,055.2	1032.3-1078.1	Allegheny	61,709	906.9	899.5-914.3	Berks	1,048	602.8	557.8-647.9
Chester	1,026	735.6	689.9-781.3	Chester	16,478	738.9	727.7-750	Lancaster	338	279.7	243.3-316.1
Dauphin	1,390	664.5	628.8-700.2	Dauphin	7,183	621.7	607-636.3	Lehigh	1,173	600.4	556.8-644
Delaware	4,667	1,042.7	1012-1073.4	Delaware	28,413	1,094.2	1081.2-1107.1	Philadelphia	5,166	790.1	765.7-814.4
Montgomery	2,533	812.2	780.2-844.2	Montgomery	31,404	786.8	778-795.5				
Philadelphia	35,021	1,094.9	1083.4-1106.4	Philadelphia	38,306	931.7	922.1-941.3				
Pennsylvania	60,393	978.5	970.6-986.3	Pennsylvania	517,620	804.1	801.8-806.3	Pennsylvania	15,279	793.6	779.1-808

NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
County and Race	Cty. Pop.															
Allegheny	White	82.7%	26,255	35,454	61,709	85.5%	2,232	202.4	4,207	465.9	6,445	612.7	10,049	944.3	38,776	4,196.9
	Black	13.4%	4,310	3,923	8,233	11.4%	983	357.6	1,182	687.2	1,638	1,072.3	1,986	1,548.7	2,444	2,716.2
Chester	White	88.7%	7,302	9,176	16,478	89.2%	945	158.5	1,341	352.7	1,975	400.3	2,982	697.5	9,235	3,267.7
	Black	6.2%	551	475	1,026	5.6%	90	182.0	157	450.8	215	725.7	223	973.4	341	2,193.6
Dauphin	White	76.3%	3,185	3,998	7,183	78.6%	484	215.4	621	360.4	864	393.5	1,244	575.5	3,970	2,567.7
	Black	17.9%	776	614	1,390	15.2%	194	242.9	235	499.4	301	620.0	334	910.3	326	1,649.2
Delaware	White	75.0%	12,692	15,719	28,413	82.0%	1,507	291.6	2,316	629.6	3,147	730.2	4,751	1,115.2	16,692	4,836.9
	Black	18.9%	2,501	2,166	4,667	13.5%	684	390.6	707	549.8	1,020	929.4	1,022	1,435.5	1,234	3,115.1
Montgomery	White	83.7%	13,745	17,652	31,404	83.6%	1,837	226.7	2,283	409.8	3,206	443.2	4,956	757.6	19,122	3,602.8
	Black	8.7%	1,390	1,143	2,533	6.7%	248	251.1	344	453.0	479	601.0	622	1,122.5	840	2,628.0
Philadelphia	White	45.6%	17,387	20,918	38,306	45.8%	1,428	185.1	3,598	437.6	4,720	717.8	6,863	1,160.3	21,697	4,027.9
	Black	45.3%	19,289	15,732	35,021	41.9%	3,941	365.5	4,642	629.9	8,000	1,216.5	8,702	1,640.7	9,736	2,717.2
Pennsylvania	White	84.9%	233,221	284,261	517,620	83.1%	29,639	229.2	42,726	442.2	60,275	541.0	85,798	803.9	299,182	3,405.3
	Black	10.7%	33,263	27,127	60,393	9.7%	7,301	333.3	8,636	561.5	13,312	982.8	14,544	1,447.3	16,600	2,581.9

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED INJURIES

In 2010, among Pennsylvania residents, there were 9,383 hospitalizations due to self-inflicted injury (self-injury). On average, one resident was hospitalized every hour.

Injury Definition

Self-inflicted injury includes any event involving deliberate self-harm.

Note: While some self-injury hospitalizations reflect suicide attempts, others may not. Not all those who self-injure are attempting suicide.

Leading mechanisms of self-inflicted injury include self-poisoning and self-cutting. These mechanisms account for over 90 percent of all self-inflicted injury hospitalizations in Pa.

HIGHLIGHTS

- *Age-adjusted rates have generally been **decreasing** over 2006 to 2010.*
- *The most common demographic is **white females**, ages 15 to 49.*
- *Of all Pennsylvania counties, **Cambria and Schuylkill** show the highest rates.*

Trends Over Time

- Age-adjusted hospitalization rates for self-inflicted injury increased from 2006 to 2008, yet remained relatively steady around 83.2 hospitalizations per 100,000 population. Rates then decreased to 75.8 hospitalizations per 100,000 population in 2010.
- Females showed significantly higher age-adjusted self-injury hospitalization rates than males over 2006 to 2010 (rates were 83.7 and 68.1, respectively, in 2010).
- Black males showed significantly higher age-adjusted self-injury hospitalization rates than white males over 2006 to 2009 (rates were 79.1 and 63.9, respectively, in 2009).

Demographic Trends

- Females showed significantly higher self-injury hospitalization rates among most ages under 70, while males showed higher rates for ages 75 and older.
- Among males, whites showed higher self-injury hospitalization rates for ages 15 to 29, while blacks showed significantly higher rates for ages 35 to 69.
- Rural populations showed higher self-injury hospitalization rates for ages under 50, while urban populations showed significantly higher rates for ages 50 and older.

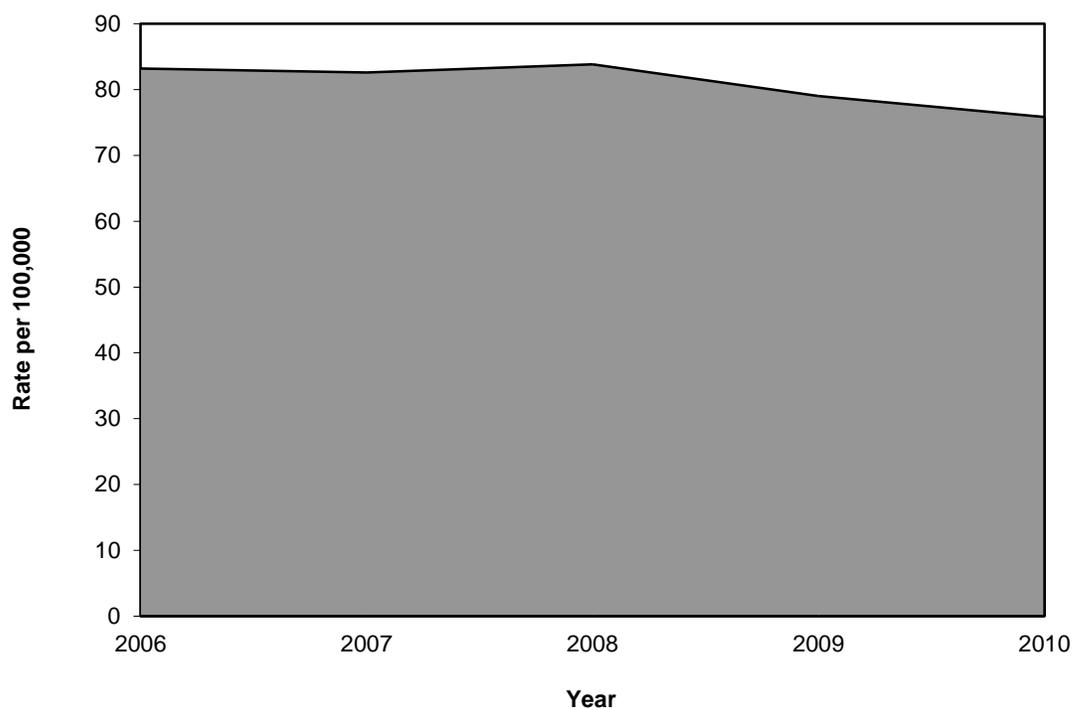
Regional Trends

- The Northwest Health District showed the highest self-injury hospitalization rates, while the South Central Health District showed the lowest rates.
- Twenty-six counties showed age-adjusted self-injury hospitalization rates in 2010 that were significantly higher than the comparable state rate. Most counties were rural.

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	10,061	83.2
2007	9,973	82.6
2008	10,177	83.8
2009	9,698	79.0
2010	9,383	75.8



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	71.2	88.7	111.8	59.4	81.7	91.5
2007	78.9	88.8	113.0	67.0	80.2	84.9
2008	83.4	91.2	101.1	65.9	84.6	84.7
2009	70.5	87.3	103.3	67.7	77.2	80.3
2010	80.0	92.7	100.0	61.4	71.8	75.5

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

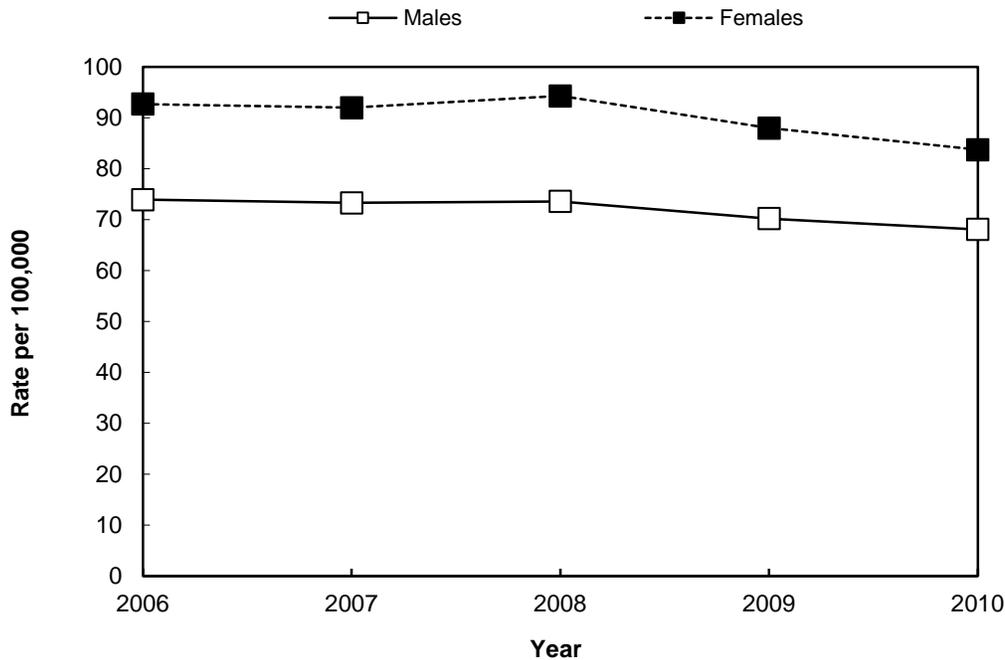
See Technical Notes.

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	4,429	73.9 *	2006	5,632	92.7
2007	4,385	73.3 *	2007	5,585	92.0
2008	4,425	73.6 *	2008	5,749	94.3
2009	4,273	70.2 *	2009	5,422	88.0
2010	4,170	68.1 *	2010	5,212	83.7

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	74.1	73.8	2006	87.5	107.3 *
2007	73.8	72.4	2007	87.4	105.0 *
2008	74.1	72.6	2008	90.1	106.3 *
2009	69.4	73.0	2009	84.3	99.0 *
2010	66.7	72.3 *	2010	77.5	101.8 *

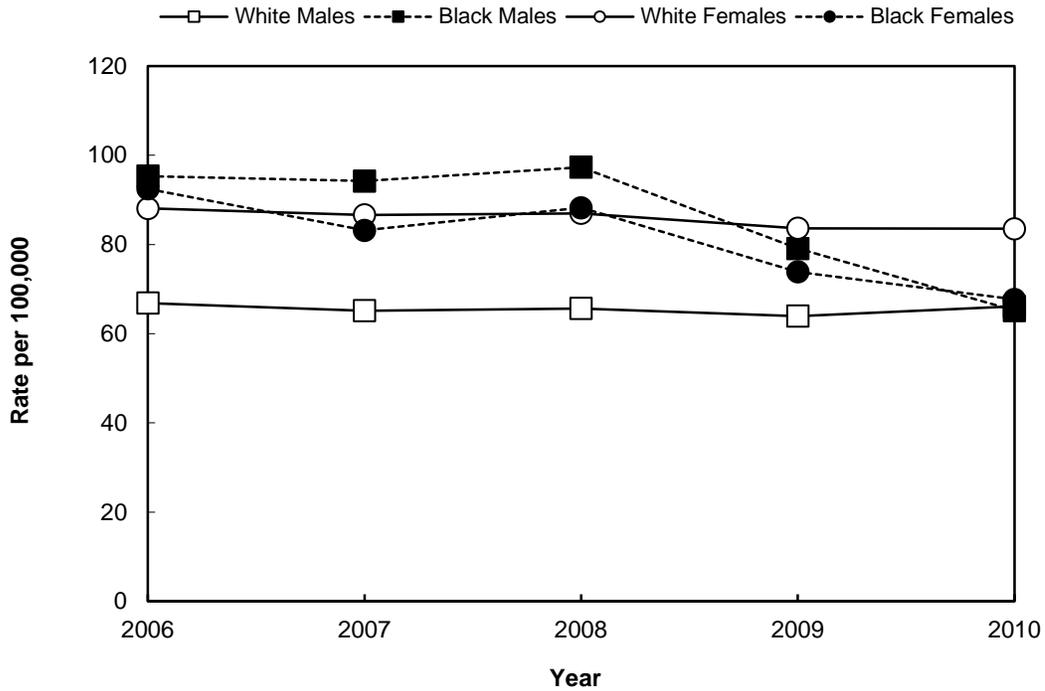
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	3,438	580	4,542	633	226	226
2007	3,337	568	4,457	578	235	269
2008	3,376	586	4,493	621	239	330
2009	3,318	496	4,349	528	230	270
2010	3,290	431	4,199	493	217	242



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	66.9	95.3 *	88.1	92.4	83.8	86.0
2007	65.1	94.2 *	86.6	83.2	82.1	99.8
2008	65.7	97.3 *	87.0	88.2	87.2	113.1
2009	63.9	79.1 *	83.6	73.8 *	77.3	86.2
2010	66.1	65.2	83.5	67.7 *	61.3	71.7

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY HOSPITALIZATION: ALL SELF-INFLICTED

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate								
TOTAL	49,292	78.7	21,682	71.2	27,600	85.7	34,906	76.8	14,386	83.7
< 5	5	NSR	3	NSR	2	NSR	5	NSR	0	NSR
5-9	20	0.5	11	0.6	9	NSR	15	0.5	5	NSR
10-14	675	16.8	149	7.3	526	26.8	433	14.7	242	22.8
15-19	5,150	111.5	1,913	82.0	3,237	141.5	3,336	100.3	1,814	140.3
20-24	6,226	140.9	2,837	126.7	3,389	155.6	4,316	135.7	1,910	154.4
25-29	5,634	150.9	2,561	134.7	3,072	167.8	3,877	138.5	1,757	188.2
30-34	4,902	131.7	2,331	124.5	2,568	138.9	3,446	125.5	1,456	149.2
35-39	5,350	133.4	2,347	117.7	3,003	149.1	3,705	126.1	1,645	153.6
40-44	5,875	133.6	2,599	119.4	3,274	147.5	4,274	133.1	1,601	135.1
45-49	5,670	122.1	2,494	109.0	3,175	134.9	4,085	121.0	1,585	125.1
50-54	4,065	89.6	1,835	82.5	2,229	96.3	3,026	92.3	1,039	82.5
55-59	2,326	57.2	1,104	56.0	1,222	58.4	1,745	60.0	581	50.2
60-64	1,275	37.4	567	34.9	707	39.7	976	40.5	299	29.9
65-69	693	25.9	274	22.2	419	29.1	529	28.4	164	20.2
70-74	452	20.4	192	19.7	259	20.9	352	22.8	100	14.9
75-79	376	20.2	200	26.1	176	16.0	302	23.0	74	13.4
80-84	327	22.6	139	25.4	188	20.9	266	25.9	61	14.6
85 +	271	19.5	126	30.0	145	15.0	218	21.9	53	13.5

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	16,759	64.7	2,661	83.2	22,040	80.8	2,853	80.8	2,484	81.6		
< 5	0	NSR	3	NSR	0	NSR	2	NSR	0	NSR		
5-9	8	NSR	2	NSR	3	NSR	3	NSR	4	NSR		
10-14	97	5.9	29	10.4	*	365	23.1	58	21.5	67	23.4	
15-19	1,492	78.8	171	54.3	*	2,434	130.8	387	126.2	309	103.8	
20-24	2,200	120.8	306	102.7	*	2,640	149.6	371	125.8	*	341	124.8
25-29	1,971	127.4	287	115.9		2,394	162.2	339	136.2	*	324	128.0
30-34	1,764	114.3	285	130.6	*	2,005	133.0	287	124.6		319	134.7
35-39	1,791	106.7	311	146.8	*	2,385	142.2	335	144.2		284	125.3
40-44	1,954	104.5	387	179.5	*	2,610	138.6	373	153.9	*	298	146.9
45-49	1,907	95.3	370	176.0	*	2,653	130.7	292	120.5		216	122.7
50-54	1,431	72.5	251	135.1	*	1,863	92.2	205	92.0		151	114.6
55-59	881	49.8	144	96.7	*	1,024	55.4	103	55.1		82	81.3
60-64	455	30.9	60	53.6	*	600	37.8	46	31.0	*	49	68.9
65-69	226	20.1	21	26.8	*	366	28.1	23	20.8	*	20	41.7
70-74	170	19.0	10	16.4		226	20.1	16	17.0		9	NSR
75-79	176	24.8	12	27.2		160	15.9	4	NSR		4	NSR
80-84	123	24.1	7	NSR		175	21.1	4	NSR		6	NSR
85 +	113	29.0	5	NSR		137	15.3	5	NSR		1	NSR

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
TOTAL	4,631	99.8	2,545	74.4	6,785	86.4	10,714	79.1	5,071	61.8	19,546	78.3	
< 5	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	4	NSR	
5-9	3	NSR	0	NSR	- 3	NSR	7	NSR	2	NSR	5	NSR	
10-14	95	32.2	+ 40	20.7	+ 123	24.4	+ 121	14.9	60	11.3	- 236	14.1	-
15-19	563	160.8	+ 316	101.3	796	137.6	+ 1,074	113.5	490	85.2	- 1,911	102.9	-
20-24	632	199.6	+ 357	99.3	- 878	163.8	+ 1,375	153.8	+ 629	119.4	- 2,355	132.0	-
25-29	574	220.4	+ 340	187.8	+ 726	163.0	1,251	164.6	+ 626	128.4	- 2,117	132.4	-
30-34	484	182.1	+ 225	119.4	711	158.0	+ 1,138	148.0	+ 530	107.3	- 1,814	116.7	-
35-39	512	179.8	+ 289	142.7	703	141.1	1,178	140.9	629	117.0	- 2,039	123.5	-
40-44	522	165.9	+ 282	127.5	790	142.6	1,303	139.0	573	97.6	- 2,405	134.9	-
45-49	526	155.2	+ 286	121.5	756	128.7	1,208	118.2	589	95.7	- 2,305	125.0	-
50-54	321	94.8	173	74.1	- 543	94.1	843	81.5	- 384	64.2	- 1,801	102.5	+
55-59	167	54.1	110	51.4	307	58.6	511	54.4	227	41.6	- 1,004	65.5	+
60-64	88	33.3	- 37	20.1	- 182	39.8	268	34.1	141	30.7	- 559	44.5	+
65-69	45	21.0	- 28	18.2	- 94	26.1	131	21.4	- 66	17.9	- 329	34.1	+
70-74	27	14.9	- 25	19.6	54	18.5	90	17.1	- 38	12.8	- 218	27.5	+
75-79	25	16.4	- 17	16.3	45	18.7	89	19.4	40	16.6	- 160	24.0	-
80-84	24	20.5	12	15.3	- 33	17.8	- 71	19.0	- 29	16.5	- 158	30.6	+
85 +	23	21.1	8	NSR	41	23.4	+ 55	15.2	- 18	11.0	- 126	24.8	+

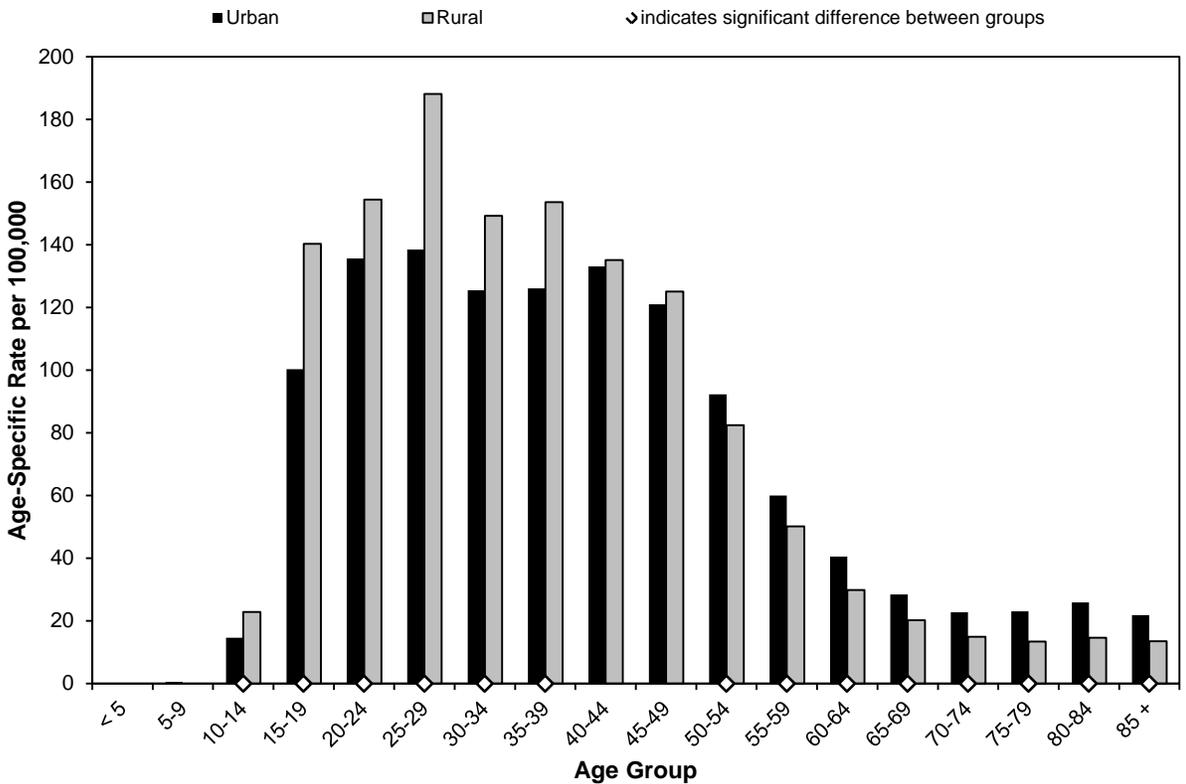
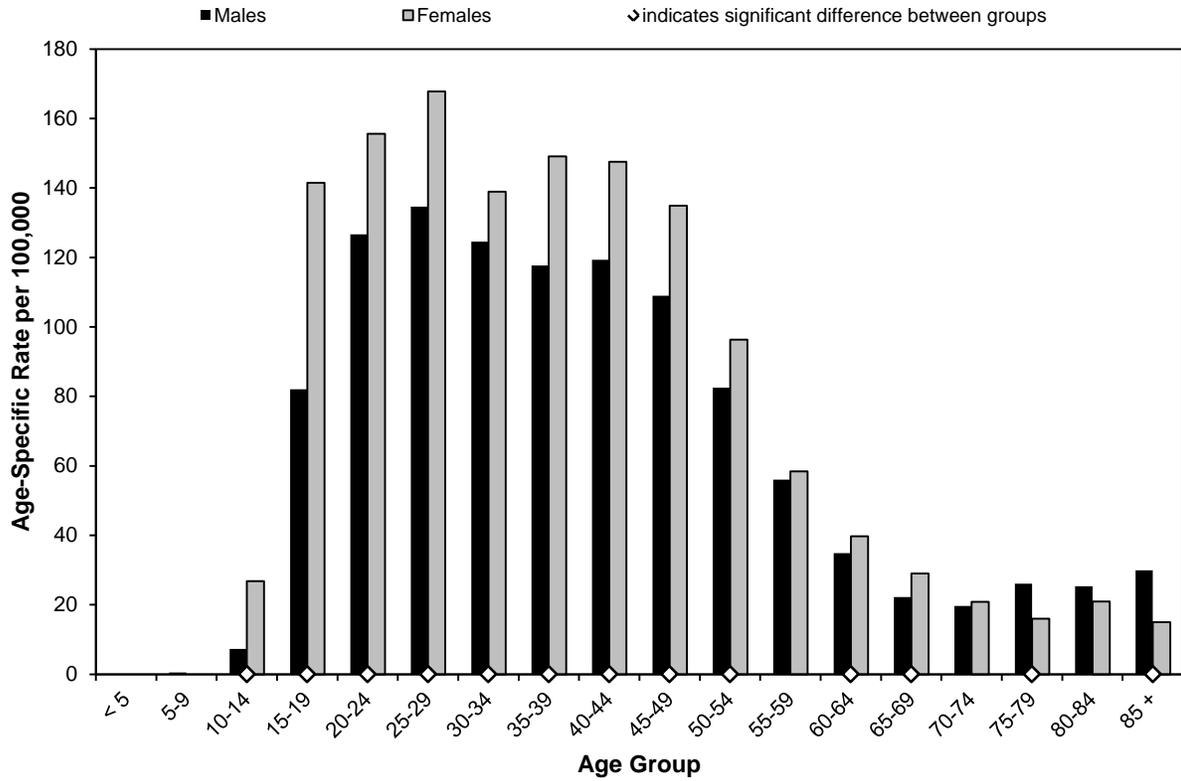
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

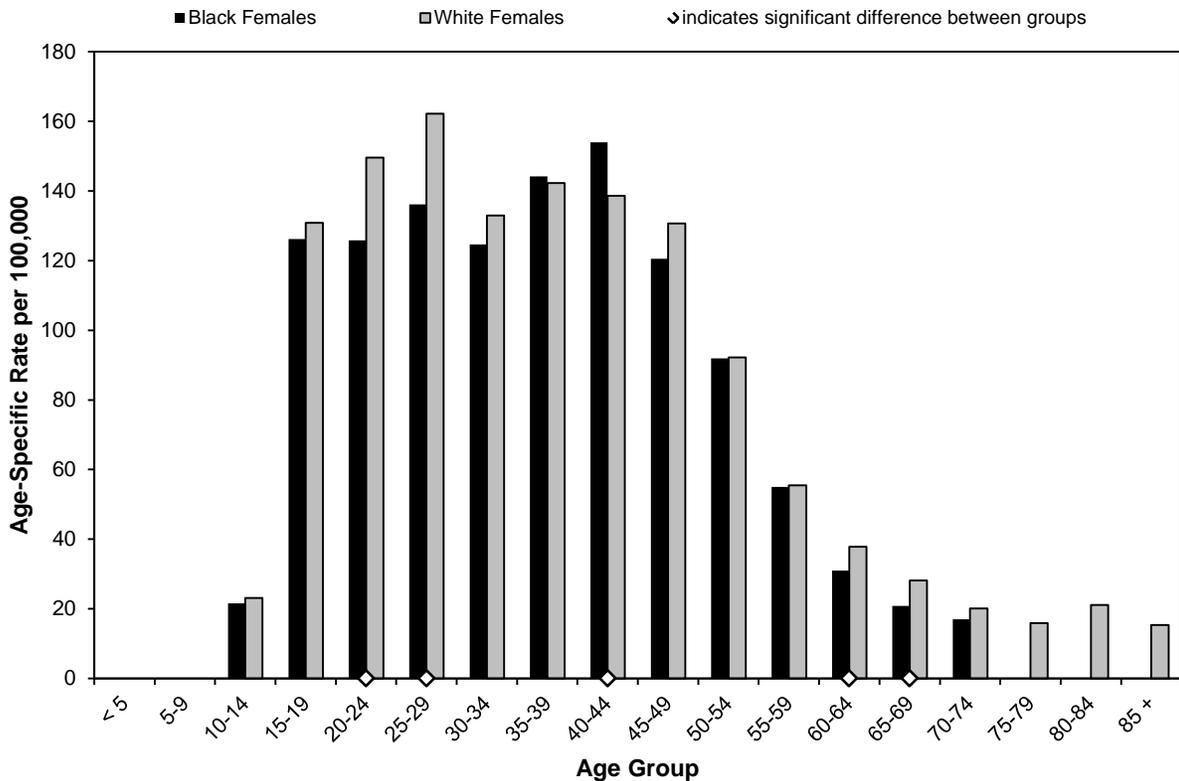
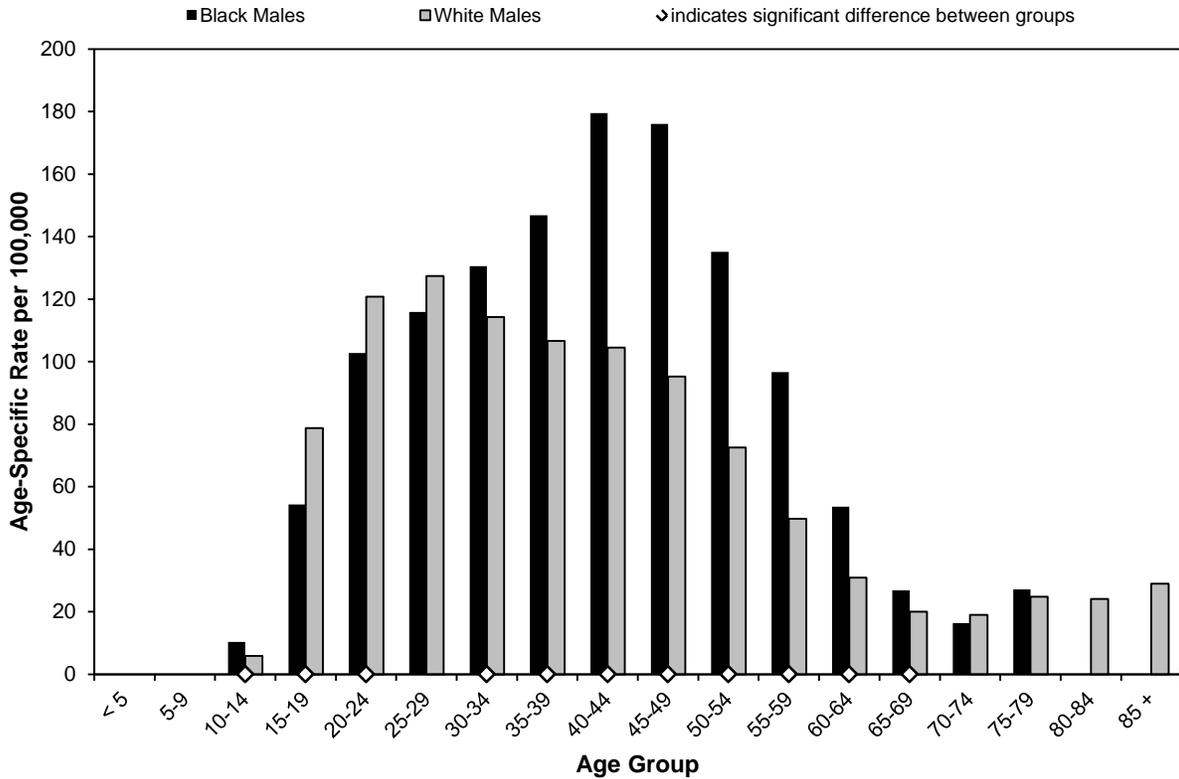
INJURY HOSPITALIZATION: ALL SELF-INFLICTED

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: ALL SELF-INFLICTED

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: ALL SELF-INFLICTED

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	6,785	89.7	87.5-91.9 +	Southeast	19,546	79.1	78-80.2 -
Carbon	450	151.7	137.5-165.9 +	Berks	1,427	72.9	69.1-76.7 -
Lackawanna	1,013	101.7	95.4-108.1 +	Bucks	2,356	78.0	74.8-81.2
Lehigh	1,706	104.2	99.2-109.2 +	Chester	1,119	46.0	43.3-48.7 -
Luzerne	897	59.1	55.1-63 -	Delaware	2,452	88.5	85-92 +
Monroe	666	79.4	73.3-85.5	Lancaster	1,495	61.6	58.4-64.7 -
Northampton	1,598	111.3	105.8-116.9 +	Montgomery	2,320	60.6	58.1-63.1 -
Pike	88	30.4	23.9-37 -	Philadelphia	7,251	99.4	97.1-101.7 +
Susquehanna	111	58.7	47.6-69.9 -	Schuylkill	1,126	163.2	153.6-172.8 +
Wayne	175	74.0	62.8-85.2				
Wyoming	81	60.7	47.2-74.2 -				
North Central	2,545	76.8	73.7-79.9 -	South Central	5,071	64.4	62.6-66.1 -
Bradford	321	117.0	104.1-129.9 +	Adams	192	38.7	33.2-44.2 -
Centre	539	78.3	71.1-85.5	Bedford	104	46.3	37.3-55.4 -
Clinton	84	46.7	36.3-57.1 -	Blair	650	111.0	102.4-119.7 +
Columbia	321	106.3	94.2-118.4 +	Cumberland	636	56.0	51.6-60.5 -
Lycoming	276	48.0	42.3-53.8 -	Dauphin	748	59.3	55-63.6 -
Montour	109	135.4	109.5-161.3 +	Franklin	365	55.1	49.4-60.8 -
Northumberland	517	124.7	113.8-135.6 +	Fulton	25	34.6	20.8-48.3 -
Potter	43	56.3	39.2-73.4 -	Huntingdon	220	98.1	85-111.2 +
Snyder	107	58.3	47.1-69.6 -	Juniata	48	42.6	30.4-54.9 -
Sullivan	19	NSR		Lebanon	252	41.4	36.2-46.6 -
Tioga	87	48.5	38-59.1 -	Mifflin	175	87.0	74-100.1
Union	122	52.7	43.2-62.2 -	Perry	136	63.1	52.4-73.8 -
				York	1,520	73.3	69.6-77.1 -
Northwest	4,631	105.9	102.9-109 +	Southwest	10,714	83.4	81.8-85 +
Cameron	26	110.9	66.7-155.1	Allegheny	4,357	73.8	71.6-76 -
Clarion	80	44.7	34.5-54.9 -	Armstrong	291	97.6	86.2-109 +
Clearfield	354	90.8	81.3-100.4 +	Beaver	775	99.4	92.3-106.5 +
Crawford	379	91.9	82.5-101.3 +	Butler	566	64.2	58.9-69.6 -
Elk	138	99.5	82.7-116.3 +	Cambria	1,050	157.0	147.3-166.6 +
Erie	1,556	114.4	108.7-120.2 +	Fayette	670	101.7	93.9-109.5 +
Forest	8	NSR		Greene	134	69.4	57.6-81.3
Jefferson	183	88.5	75.5-101.5	Indiana	403	98.1	88-108.3 +
Lawrence	541	133.5	122.1-144.9 +	Somerset	297	82.5	73-92
McKean	211	101.7	87.9-115.5 +	Washington	743	77.6	72-83.3
Mercer	723	134.3	124.3-144.2 +	Westmoreland	1,428	85.3	80.8-89.8
Venango	287	118.3	104.4-132.2 +				
Warren	145	75.9	63.2-88.6	Pennsylvania	49,292	80.9	80.2-81.7

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	21,682	27,600	49,292	13,420	83.3	16,058	135.3	13,984	107.2	4,501	37.5	1,329	13.9
Northeast	2,944	3,835	6,785	2,255	114.3	2,163	151.1	1,797	109.6	426	27.4	144	11.5
Carbon	189	261	450	186	264.1	154	259.2	97	144.9	9	NSR	4	NSR
Lackawanna	479	534	1,013	352	139.2	361	182.5	227	108.8	62	30.3	11	5.8
Lehigh	751	955	1,706	480	107.2	531	165.1	530	149.8	126	38.8	39	15.1
Luzerne	398	494	897	224	62.0	275	95.5	262	80.3	101	32.5	35	12.3
Monroe	245	421	666	223	95.6	209	142.6	197	105.3	34	20.7	3	NSR
Northampton	710	888	1,598	608	154.8	505	184.3	375	122.2	62	21.9	48	21.9
Pike	31	57	88	34	47.8	19	41.9	27	40.9	8	NSR	0	NSR
Susquehanna	52	59	111	50	100.1	43	127.1	15	35.8	3	NSR	0	NSR
Wayne	59	115	175	80	143.2	40	96.3	43	80.5	10	16.6	2	NSR
Wyoming	30	51	81	18	47.5	26	111.3	24	84.0	11	38.2	2	NSR
Southeast	8,920	10,626	19,546	4,413	65.3	6,142	124.4	5,990	113.5	2,340	51.5	661	19.2
Berks	612	815	1,427	458	81.0	505	135.7	336	78.3	100	27.0	28	9.7
Bucks	1,053	1,303	2,356	802	99.7	703	135.8	628	86.9	162	25.4	61	14.0
Chester	485	634	1,119	384	55.6	331	74.7	283	51.0	77	16.6	44	14.4
Delaware	1,174	1,278	2,452	288	38.4	781	146.3	799	137.7	439	84.3	145	36.7
Lancaster	631	864	1,495	545	76.1	466	97.3	375	74.2	81	17.9	28	7.6
Montgomery	918	1,402	2,320	835	83.1	604	86.4	647	73.9	163	21.7	71	12.2
Philadelphia	3,553	3,698	7,251	623	30.1	2,391	135.9	2,679	185.6	1,281	105.9	277	29.5
Schuylkill	494	632	1,126	478	295.2	361	271.2	243	148.2	37	25.7	7	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	21,682	27,600	49,292	13,420	83.3	16,058	135.3	13,984	107.2	4,501	37.5	1,329	13.9
North Central	969	1,573	2,545	1,065	123.2	805	110.4	554	84.0	88	13.9	33	6.2
Bradford	112	209	321	156	198.1	99	194.0	58	91.0	6	NSR	2	NSR
Centre	170	369	539	236	123.7	162	71.8	112	90.7	17	15.7	12	14.6
Clinton	39	44	84	43	85.4	22	59.7	14	40.5	5	NSR	0	NSR
Columbia	135	186	321	116	136.4	106	152.6	80	134.7	12	19.9	7	NSR
Lycoming	126	149	276	86	60.0	79	70.7	93	78.9	12	10.4	6	NSR
Montour	33	76	109	42	191.2	49	347.1	16	88.3	2	NSR	0	NSR
Northumberland	200	316	517	231	217.1	155	202.9	102	105.9	23	24.3	6	NSR
Potter	17	26	43	13	58.5	13	97.2	15	91.1	2	NSR	0	NSR
Snyder	44	63	107	40	77.0	36	91.0	27	71.5	4	NSR	0	NSR
Sullivan	10	9	19	11	151.5	6	NSR	2	NSR	0	NSR	0	NSR
Tioga	32	55	87	29	52.3	32	90.0	22	58.9	4	NSR	0	NSR
Union	51	71	122	62	121.4	46	90.0	13	26.8	1	NSR	0	NSR
South Central	2,210	2,861	5,071	1,753	83.3	1,730	114.7	1,226	70.5	276	17.2	86	6.9
Adams	76	116	192	73	54.3	58	62.6	50	46.3	8	NSR	3	NSR
Bedford	44	60	104	37	61.0	38	93.0	23	44.0	3	NSR	3	NSR
Blair	320	330	650	287	184.3	205	182.1	126	100.2	26	20.6	6	NSR
Cumberland	240	396	636	214	73.8	214	92.4	161	68.5	33	15.2	14	7.9
Dauphin	337	411	748	135	40.3	268	113.9	234	82.5	88	33.6	23	12.9
Franklin	145	220	365	137	72.0	130	100.1	76	52.9	20	14.7	2	NSR
Fulton	17	8	25	17	92.3	6	NSR	2	NSR	0	NSR	0	NSR
Huntingdon	103	117	220	116	220.2	73	160.5	24	48.9	7	NSR	0	NSR
Juniata	21	27	48	16	51.8	17	84.7	12	50.2	3	NSR	0	NSR
Lebanon	99	153	252	104	63.7	85	69.5	43	33.3	15	12.0	5	NSR
Mifflin	59	116	175	60	99.2	75	195.7	33	71.1	6	NSR	1	NSR
Perry	49	87	136	36	59.5	56	140.2	38	76.8	5	NSR	1	NSR
York	700	820	1,520	521	94.2	505	130.9	404	84.5	62	14.9	28	9.5

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	21,682	27,600	49,292	13,420	83.3	16,058	135.3	13,984	107.2	4,501	37.5	1,329	13.9
Northwest	2,067	2,564	4,631	1,571	134.0	1,523	180.7	1,232	131.3	234	25.7	71	9.2
Cameron	15	11	26	10	162.4	9	NSR	6	NSR	1	NSR	0	NSR
Clarion	39	41	80	24	46.1	32	81.5	17	45.9	5	NSR	2	NSR
Clearfield	166	188	354	126	139.5	128	172.4	79	86.6	18	21.8	3	NSR
Crawford	164	215	379	151	128.7	118	151.6	90	103.5	18	20.1	2	NSR
Elk	55	83	138	65	169.5	49	199.9	19	52.9	4	NSR	1	NSR
Erie	692	864	1,556	404	108.1	505	177.8	515	183.9	99	38.2	33	16.4
Forest	6	2	8	8	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	96	87	183	65	118.3	64	166.1	43	94.3	8	NSR	3	NSR
Lawrence	259	282	541	141	124.7	194	257.7	173	191.1	24	26.3	9	NSR
McKean	60	151	211	74	137.0	82	209.1	45	96.7	10	24.2	0	NSR
Mercer	325	398	723	315	210.3	218	218.9	151	130.8	30	26.1	9	NSR
Venango	132	155	287	133	196.4	82	184.5	58	105.4	8	NSR	6	NSR
Warren	58	87	145	55	112.3	42	130.0	36	85.4	9	NSR	3	NSR
Southwest	4,572	6,141	10,714	2,363	73.2	3,695	152.5	3,185	113.9	1,137	41.2	334	14.3
Allegheny	1,881	2,476	4,357	414	28.3	1,498	131.2	1,501	120.0	732	60.2	212	20.6
Armstrong	140	151	291	144	171.9	86	161.8	44	61.1	9	NSR	8	NSR
Beaver	339	436	775	172	85.4	286	200.1	235	131.4	58	31.9	24	15.2
Butler	248	318	566	233	96.2	174	109.2	124	62.1	30	16.7	5	NSR
Cambria	454	596	1,050	266	160.4	375	295.2	306	209.5	78	52.2	25	18.4
Fayette	277	393	670	252	151.1	222	185.2	155	103.6	36	23.7	5	NSR
Greene	61	72	134	47	104.4	53	136.8	27	63.7	7	NSR	0	NSR
Indiana	172	231	403	148	129.4	134	144.4	94	117.8	20	24.0	7	NSR
Somerset	118	179	297	110	129.9	106	153.0	65	78.0	12	15.2	4	NSR
Washington	310	433	743	239	96.3	291	159.7	174	82.6	28	13.1	11	6.1
Westmoreland	572	856	1,428	338	81.7	470	158.9	460	120.3	127	32.6	33	9.8

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

**NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	609	77.5	71.3-83.8	Allegheny	3,624	74.6	72.2-77.1	Berks	239	84.3	72.9-95.7
Chester	100	67.0	53.4-80.6	Chester	930	43.1	40.3-45.9	Lancaster	71	35.6	27.1-44.1
Dauphin	129	58.4	48.3-68.6	Dauphin	542	55.8	51-60.7	Lehigh	292	104.0	91.5-116.6
Delaware	347	64.3	57.5-71.2	Delaware	1,995	97.6	93.2-102	Philadelphia	905	108.7	101.4-116.1
Montgomery	206	57.5	49.6-65.4	Montgomery	1,868	58.6	55.9-61.3				
Philadelphia	2,876	89.8	86.5-93.1	Philadelphia	3,074	89.7	86.5-93				
Pennsylvania	5,514	82.7	80.5-84.9	Pennsylvania	38,806	75.6	74.8-76.4	Pennsylvania	2,484	83.7	80.3-87.2

**NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC HOSPITALIZATION RATES
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
Allegheny	White	82.7%	1,546	2,078	3,624	83.2%	309	28.0	1,229	136.1	1,267	120.4	631	59.3	188	20.3
	Black	13.4%	272	337	609	14.0%	90	32.7	218	126.7	200	130.9	85	66.3	16	17.8
Chester	White	88.7%	397	533	930	83.1%	110	18.4	257	67.6	317	64.2	167	39.1	79	28.0
	Black	6.2%	45	55	100	8.9%	7	NSR	47	135.0	29	97.9	15	65.5	2	NSR
Dauphin	White	76.3%	246	296	542	72.5%	50	22.3	152	88.2	194	88.3	118	54.6	28	18.1
	Black	17.9%	56	73	129	17.2%	11	13.8	39	82.9	58	119.5	18	49.1	3	NSR
Delaware	White	75.0%	933	1,062	1,995	81.4%	210	40.6	636	172.9	639	148.3	374	87.8	136	39.4
	Black	18.9%	179	168	347	14.2%	57	32.6	111	86.3	128	116.6	46	64.6	5	NSR
Montgomery	White	83.7%	739	1,129	1,868	80.5%	217	26.8	562	100.9	570	78.8	376	57.5	143	26.9
	Black	8.7%	93	113	206	8.9%	26	26.3	79	104.0	66	82.8	30	54.1	5	NSR
Philadelphia	White	45.6%	1,548	1,526	3,074	42.4%	156	20.2	1,012	123.1	1,077	163.8	644	108.9	185	34.3
	Black	45.3%	1,396	1,480	2,876	39.7%	266	24.7	868	117.8	1,184	180.0	490	92.4	68	19.0
Pennsylvania	White	84.9%	16,759	22,040	38,806	78.7%	4,399	34.0	12,978	134.3	13,301	119.4	6,256	58.6	1,872	21.3
	Black	10.7%	2,661	2,853	5,514	11.2%	655	29.9	1,875	121.9	2,068	152.7	809	80.5	107	16.6

INJURY HOSPITALIZATIONS: ALL ASSAULT INJURIES

In 2010, among Pennsylvania residents, there were 5,189 hospitalizations due to assault injury. On average, one resident was hospitalized every two hours.

Injury Definition

Assault includes any injury inflicted by another with the intent to cause harm.

Assault includes domestic violence, rape and sexual assault, as well as physical abuse of a child or elder.

Leading mechanisms of assault include being struck by personal weapons (such as fists or a blunt object), firearms (shootings) and cut/pierce (stabbings). These three mechanisms account for 69 percent of all assault injury hospitalizations in Pa.

HIGHLIGHTS

- *Age-adjusted rates have generally been **stable** over 2006 to 2010.*
- *The most common demographic is **black males**, ages 15 to 49.*
- *Of all Pennsylvania counties, **Philadelphia** shows the highest rate.*

Trends Over Time

- The age-adjusted hospitalization rate for assault injury was generally stable from 2006 to 2008, around 46.4 hospitalizations per 100,000 population. Rates then decreased to 42.6 hospitalizations per 100,000 population in 2010.
- Males showed significantly higher age-adjusted assault injury hospitalization rates than females over 2006 to 2010 (rates were 71.6 and 13.5, respectively, in 2010).
- Black males and females showed significantly higher age-adjusted assault injury hospitalization rates than white males and females over 2006 to 2010.

Demographic Trends

- Black males and females accounted for nearly half of all assault injury hospitalizations.
- Males showed significantly higher assault injury hospitalization for almost every age group.
 - Among males and females, blacks showed significantly higher assault injury hospitalization rates than whites for all ages for which rates could be calculated.

Regional Trends

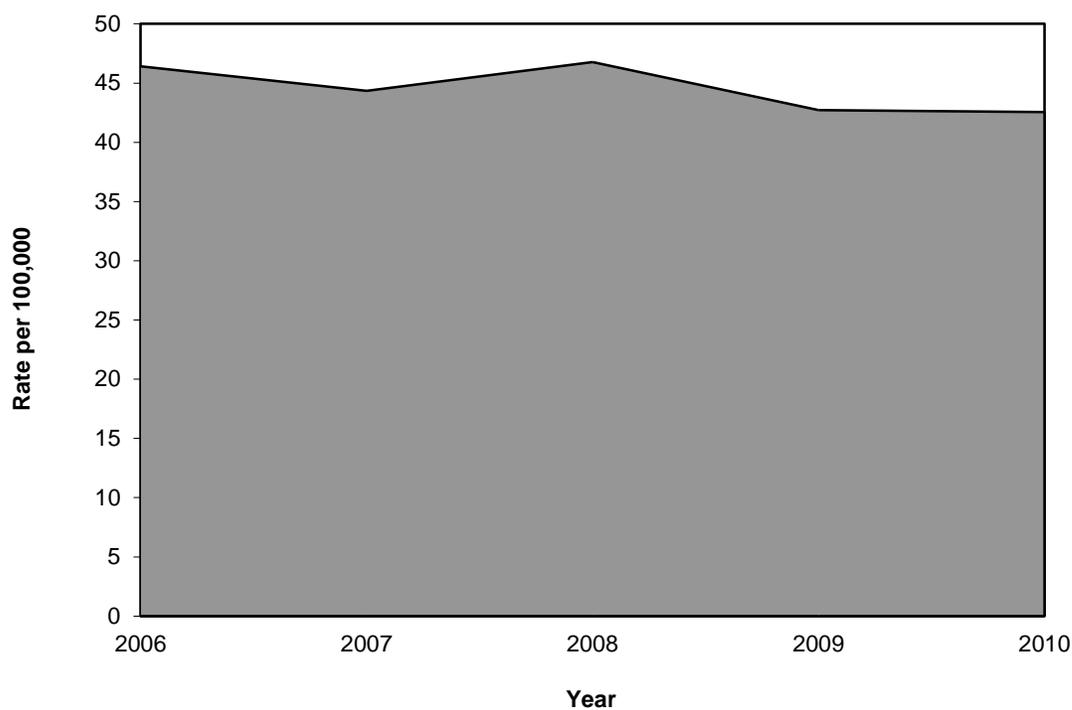
- Three counties showed age-adjusted assault injury hospitalization rates in 2010 that were significantly higher than the comparable state rate: Allegheny, Delaware and Philadelphia. All three counties were urban.

Note: Rates were not able to be calculated for many counties in the state due to a small number of events (i.e., fewer than 20 assault hospitalizations in 2010).

INJURY HOSPITALIZATIONS: ALL ASSAULT

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	5,604	46.4
2007	5,351	44.3
2008	5,669	46.8
2009	5,240	42.7
2010	5,189	42.6



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	11.0	30.0	21.2	17.0	73.4	41.5
2007	13.9	29.5	20.6	14.9	69.2	40.6
2008	14.6	30.8	27.1	16.3	72.6	41.6
2009	14.2	25.1	19.5	15.7	66.4	39.5
2010	12.9	29.1	23.1	16.3	65.2	37.2

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

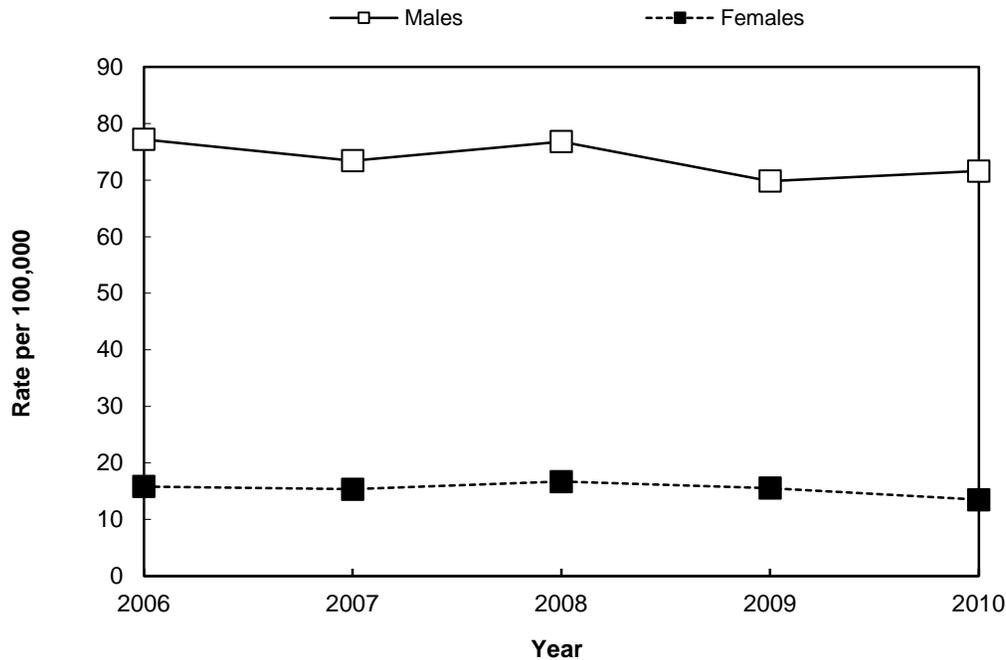
See Technical Notes.

INJURY HOSPITALIZATIONS: ALL ASSAULT

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	4,642	77.2 *	2006	961	15.8
2007	4,417	73.4 *	2007	934	15.3
2008	4,652	76.8 *	2008	1,015	16.7
2009	4,281	69.8 *	2009	955	15.5
2010	4,353	71.6 *	2010	832	13.5

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	97.5	25.2 *	2006	18.9	7.4 *
2007	91.4	27.1 *	2007	17.9	8.2 *
2008	96.0	27.3 *	2008	19.9	8.0 *
2009	87.1	24.5 *	2009	18.1	8.2 *
2010	88.8	25.7 *	2010	16.0	6.3 *

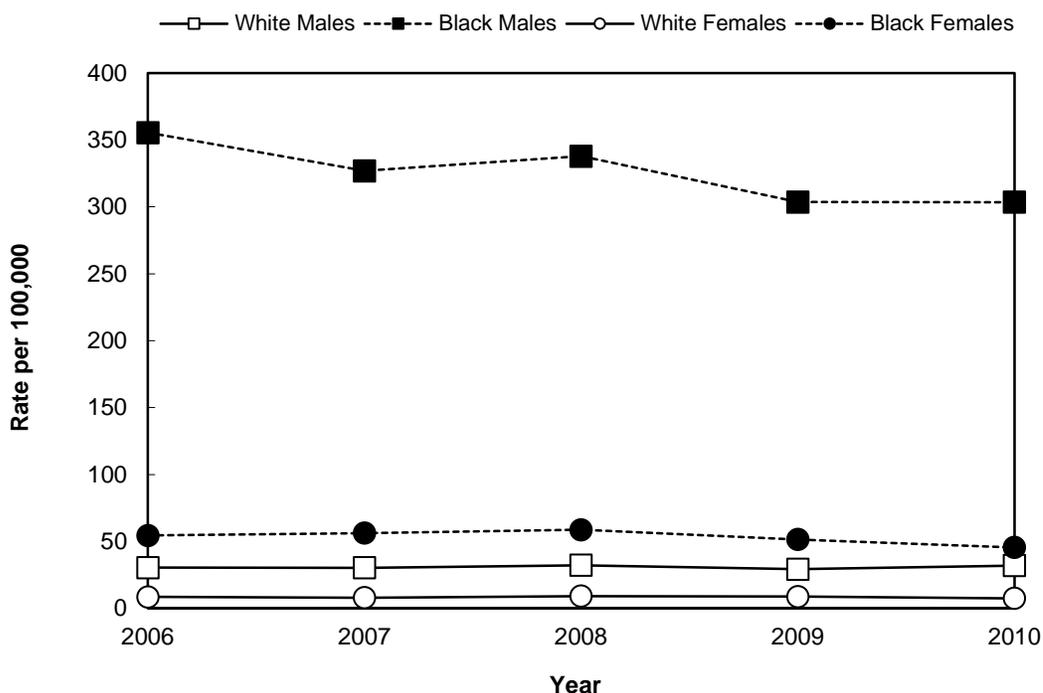
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL ASSAULT

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	1,560	2,323	442	384	418	72
2007	1,556	2,156	422	397	356	52
2008	1,668	2,254	480	415	386	47
2009	1,532	2,071	467	374	357	50
2010	1,567	2,107	383	334	378	51



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	30.5	355.3 *	8.6	54.5 *	146.4	28.0
2007	30.4	326.9 *	8.1	56.3 *	118.6	18.4
2008	32.3	337.8 *	9.2	58.7 *	130.3	17.0
2009	29.2	303.5 *	8.9	51.6 *	109.1	14.6
2010	32.0	303.5 *	7.5	45.6 *	102.4	14.4

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY HOSPITALIZATION: ALL ASSAULT

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL				
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate			
TOTAL	27,053	43.2	22,345	73.4	4,697	14.6			24,291	53.5	2,762	16.1	
< 5	278	7.6	155	8.2	123	6.8			199	7.2	79	8.6	*
5-9	89	2.3	55	2.8	34	1.8	*		76	2.7	13	1.3	*
10-14	405	10.1	317	15.5	88	4.5	*		362	12.3	43	4.1	*
15-19	3,378	73.1	2,939	126.0	438	19.1	*		3,083	92.7	295	22.8	*
20-24	4,810	108.9	4,159	185.7	650	29.8	*		4,371	137.4	439	35.5	*
25-29	3,669	98.3	3,113	163.7	553	30.2	*		3,316	118.5	353	37.8	*
30-34	2,796	75.1	2,322	124.0	470	25.4	*		2,499	91.0	297	30.4	*
35-39	2,457	61.3	2,002	100.4	454	22.5	*		2,171	73.9	286	26.7	*
40-44	2,608	59.3	2,084	95.7	524	23.6	*		2,313	72.0	295	24.9	*
45-49	2,477	53.4	2,004	87.6	472	20.1	*		2,236	66.2	241	19.0	*
50-54	1,740	38.3	1,451	65.3	289	12.5	*		1,574	48.0	166	13.2	*
55-59	932	22.9	777	39.4	155	7.4	*		841	28.9	91	7.9	*
60-64	478	14.0	384	23.6	94	5.3	*		431	17.9	47	4.7	*
65-69	286	10.7	217	17.6	69	4.8	*		255	13.7	31	3.8	*
70-74	215	9.7	137	14.1	78	6.3	*		184	11.9	31	4.6	*
75-79	149	8.0	83	10.8	66	6.0	*		128	9.8	21	3.8	*
80-84	99	6.8	42	7.7	57	6.3			81	7.9	18	4.3	*
85 +	187	13.5	104	24.7	83	8.6	*		171	17.2	16	4.1	*

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: ALL ASSAULT

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*					
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate				
TOTAL	7,883	30.4	10,911	341.1			2,194	8.0	1,904	53.9			2,167	71.2
< 5	79	5.3	63	24.3	*	58	4.1	37	14.7	*	15	4.4		
5-9	17	1.1	32	12.3	*	10	0.7	15	6.0	*	9	NSR		
10-14	106	6.4	162	58.0	*	30	1.9	47	17.5	*	31	10.8		
15-19	761	40.2	1,704	541.4	*	135	7.3	232	75.6	*	272	91.3		
20-24	1,429	78.5	2,035	683.3	*	239	13.5	318	107.8	*	415	151.9		
25-29	1,095	70.8	1,469	593.0	*	250	16.9	233	93.6	*	342	135.2		
30-34	738	47.8	1,114	510.4	*	218	14.5	188	81.6	*	319	134.7		
35-39	694	41.3	969	457.5	*	220	13.1	183	78.8	*	232	102.4		
40-44	776	41.5	1,019	472.7	*	273	14.5	186	76.8	*	175	86.3		
45-49	775	38.7	972	462.4	*	221	10.9	203	83.8	*	139	79.0		
50-54	596	30.2	647	348.3	*	147	7.3	120	53.8	*	112	85.0		
55-59	309	17.5	381	255.8	*	87	4.7	47	25.1	*	49	48.6		
60-64	191	13.0	157	140.2	*	58	3.7	25	16.9	*	18	25.3		
65-69	118	10.5	68	86.9	*	43	3.3	20	18.1	*	17	35.5		
70-74	72	8.1	54	88.5	*	55	4.9	13	13.8	*	6	NSR		
75-79	50	7.0	25	56.6	*	47	4.7	12	15.5	*	4	NSR		
80-84	29	5.7	7	NSR		42	5.1	9	NSR		4	NSR		
85 +	48	12.3	33	133.0	*	61	6.8	16	25.7	*	8	NSR		

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY HOSPITALIZATIONS: ALL ASSAULT

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	972	21.0	428	12.5	2,160	27.5	5,127	37.9	1,256	15.3	17,110	68.5
< 5	30	11.7 +	17	9.6	28	6.5	68	9.6 +	22	4.4 -	113	7.0
5-9	3	NSR	1	NSR	5	NSR	14	1.9	4	NSR	62	3.8 +
10-14	14	4.7 -	6	NSR	37	7.3 -	88	10.8	16	3.0 -	244	14.5 +
15-19	108	30.9 -	47	15.1 -	253	43.7 -	675	71.3	130	22.6 -	2,165	116.6 +
20-24	157	49.6 -	60	16.7 -	403	75.2 -	961	107.5	180	34.2 -	3,049	170.9 +
25-29	105	40.3 -	67	37.0 -	302	67.8 -	685	90.1 -	178	36.5 -	2,332	145.9 +
30-34	119	44.8 -	47	24.9 -	220	48.9 -	478	62.2 -	135	27.3 -	1,797	115.6 +
35-39	102	35.8 -	51	25.2 -	206	41.4 -	416	49.8 -	134	24.9 -	1,548	93.8 +
40-44	94	29.9 -	45	20.3 -	203	36.6 -	512	54.6	132	22.5 -	1,622	91.0 +
45-49	85	25.1 -	33	14.0 -	184	31.3 -	444	43.4 -	121	19.7 -	1,610	87.3 +
50-54	61	18.0 -	19	8.1 -	132	22.9 -	345	33.3 -	73	12.2 -	1,110	63.2 +
55-59	38	12.3 -	10	4.7 -	56	10.7 -	176	18.7 -	53	9.7 -	599	39.1 +
60-64	16	6.1 -	9	NSR	41	9.0 -	97	12.4 -	25	5.4 -	290	23.1 +
65-69	13	6.1 -	4	NSR	28	7.8 -	52	8.5 -	23	6.2 -	166	17.2 +
70-74	10	5.5 -	6	NSR	22	7.5 -	39	7.4 -	11	3.7 -	127	16.0 +
75-79	6	NSR	4	NSR	15	6.2 -	31	6.7	7	NSR	86	12.9 +
80-84	6	NSR	1	NSR	11	5.9	19	5.1 -	8	NSR	54	10.4 +
85 +	5	NSR	1	NSR	14	8.0 -	27	7.5 -	4	NSR	136	26.8 +

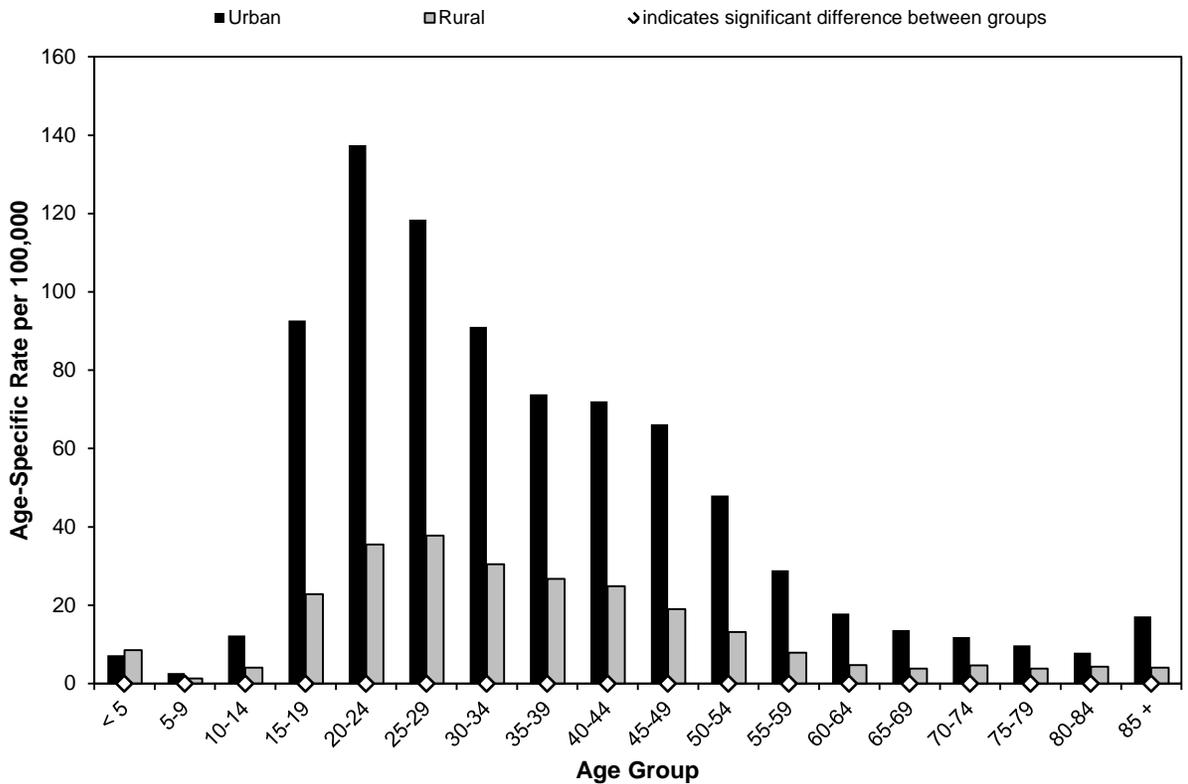
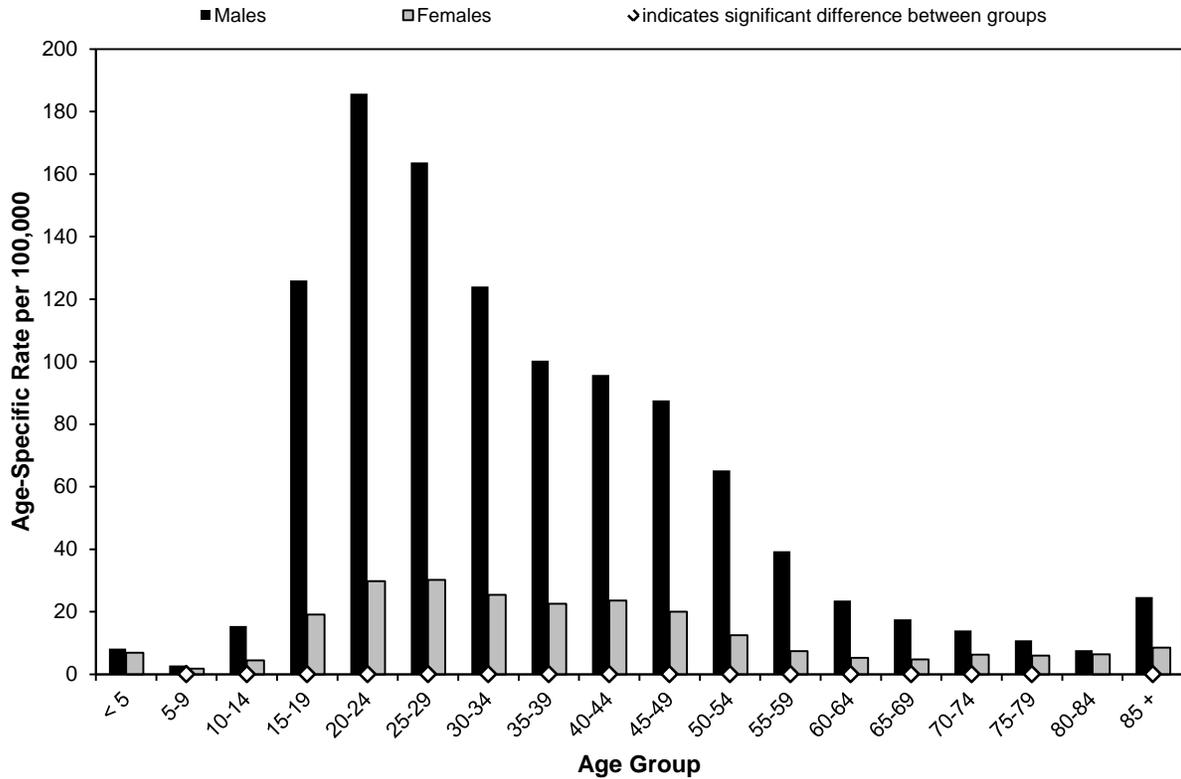
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

INJURY HOSPITALIZATION: ALL ASSAULT

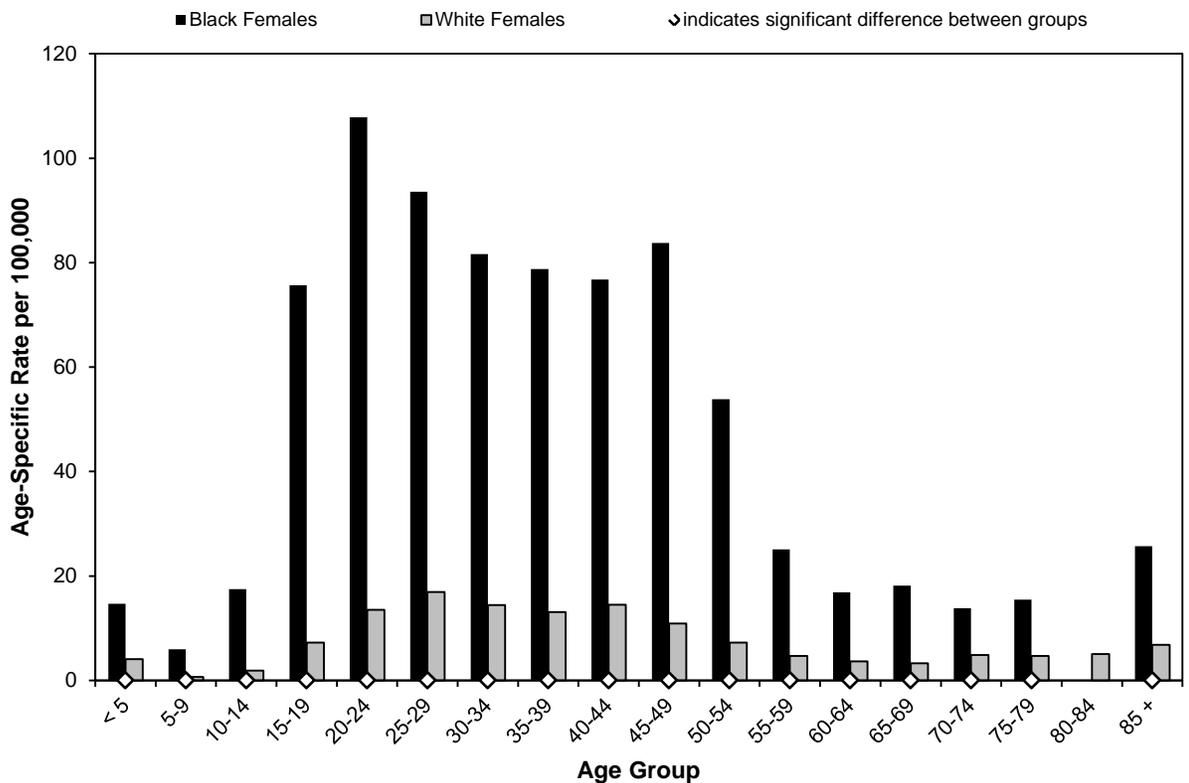
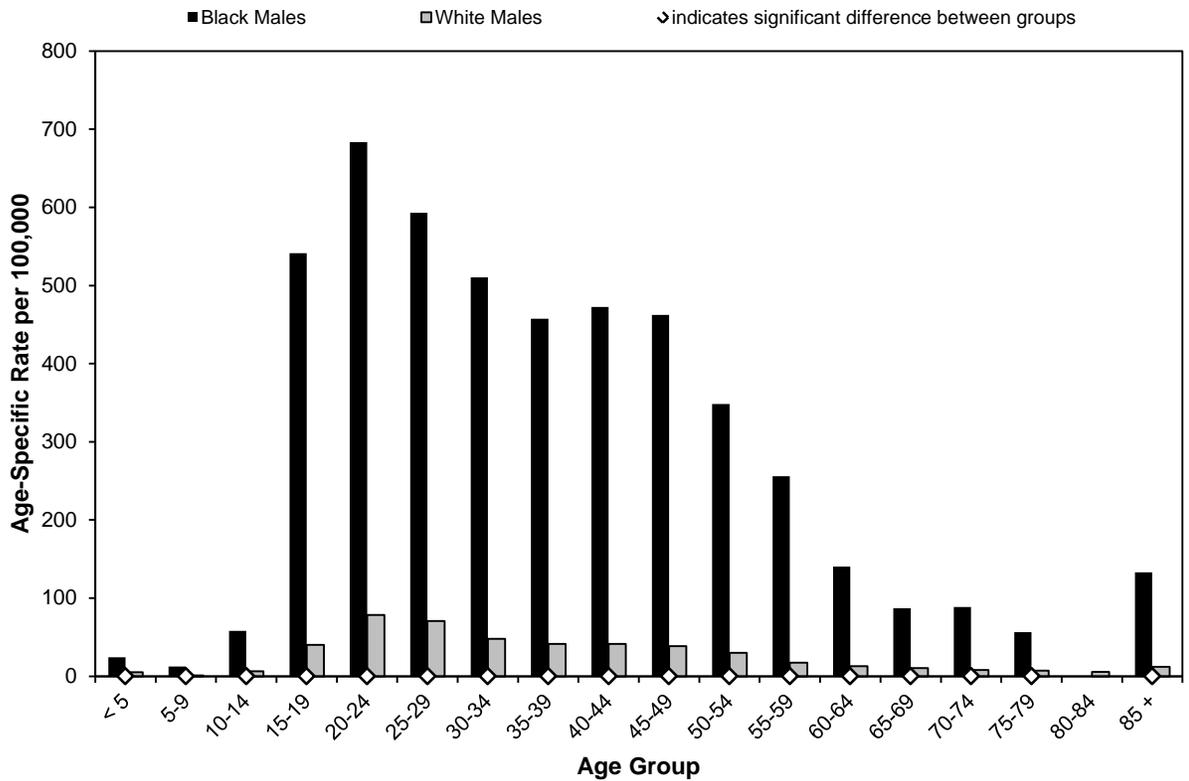
AGE-SPECIFIC HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: ALL ASSAULT

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX AND RACE

PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: ALL ASSAULT

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	2,160	28.9	27.6-30.1 -	Southeast	17,110	69.3	68.3-70.4 +
Carbon	67	21.9	16.6-27.3 -	Berks	574	29.7	27.3-32.2 -
Lackawanna	226	23.0	19.9-26 -	Bucks	573	20.0	18.4-21.7 -
Lehigh	641	39.6	36.5-42.6 -	Chester	355	14.9	13.4-16.5 -
Luzerne	435	29.6	26.8-32.4 -	Delaware	1,840	67.0	63.9-70.1 +
Monroe	167	19.9	16.8-23 -	Lancaster	473	19.6	17.8-21.4 -
Northampton	530	36.7	33.5-39.9 -	Montgomery	914	24.5	22.9-26.1 -
Pike	25	9.0	5.4-12.6 -	Philadelphia	12,260	161.0	158.1-163.9 +
Susquehanna	12	NSR		Schuylkill	121	17.8	14.6-21 -
Wayne	47	20.6	14.6-26.6 -				
Wyoming	10	NSR					
North Central	428	13.3	12-14.6 -	South Central	1,256	16.0	15.1-16.9 -
Bradford	28	9.8	6.1-13.5 -	Adams	27	5.7	3.6-7.9 -
Centre	57	8.4	6-10.8 -	Bedford	20	9.1	5-13.2 -
Clinton	30	17.5	11-24 -	Blair	144	25.0	20.9-29.1 -
Columbia	55	18.2	13.2-23.2 -	Cumberland	106	9.1	7.3-10.9 -
Lycoming	85	15.3	12-18.6 -	Dauphin	341	27.9	24.9-30.9 -
Montour	14	NSR		Franklin	71	10.5	8.1-13 -
Northumberland	44	11.4	8-14.8 -	Fulton	6	NSR	
Potter	7	NSR		Huntingdon	40	17.3	11.9-22.7 -
Snyder	19	NSR		Juniata	8	NSR	
Sullivan	2	NSR		Lebanon	53	8.1	5.9-10.4 -
Tioga	9	NSR		Mifflin	24	12.0	7.1-16.8 -
Union	78	35.9	27.9-44 -	Perry	25	11.6	7-16.2 -
				York	391	19.1	17.2-21 -
Northwest	972	22.3	20.9-23.7 -	Southwest	5,127	40.1	39-41.2 -
Cameron	3	NSR		Allegheny	3,444	58.6	56.6-60.6 +
Clarion	28	17.9	11.1-24.7 -	Armstrong	55	18.7	13.7-23.7 -
Clearfield	50	12.8	9.2-16.4 -	Beaver	287	36.2	31.9-40.5 -
Crawford	47	11.2	7.9-14.4 -	Butler	128	14.8	12.2-17.4 -
Elk	16	NSR		Cambria	188	28.2	24.1-32.2 -
Erie	451	32.9	29.8-35.9 -	Fayette	176	27.8	23.7-32 -
Forest	4	NSR		Greene	21	10.4	5.9-15 -
Jefferson	30	14.5	9.2-19.8 -	Indiana	75	18.8	14.3-23.3 -
Lawrence	123	30.1	24.7-35.6 -	Somerset	61	17.0	12.7-21.4 -
McKean	26	13.0	7.9-18 -	Washington	295	31.1	27.5-34.7 -
Mercer	124	22.8	18.7-26.9 -	Westmoreland	397	24.2	21.7-26.6 -
Venango	61	25.6	19.1-32.1 -				
Warren	9	NSR		Pennsylvania	27,053	44.6	44-45.1

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY HOSPITALIZATIONS: ALL ASSAULT

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	22,345	4,697	27,053	4,931	30.6	11,003	92.7	7,325	56.1	2,952	24.6	842	8.8
Northeast	1,742	416	2,160	577	29.2	845	59.0	511	31.2	160	10.3	67	5.3
Carbon	48	19	67	31	44.0	17	28.6	11	16.4	4	NSR	4	NSR
Lackawanna	185	41	226	68	26.9	72	36.4	65	31.2	15	7.3	6	NSR
Lehigh	515	126	641	213	47.6	238	74.0	142	40.1	33	10.2	15	5.8
Luzerne	351	83	435	65	18.0	187	65.0	129	39.5	40	12.9	14	4.9
Monroe	129	37	167	88	37.7	42	28.7	31	16.6	6	NSR	0	NSR
Northampton	436	94	530	69	17.6	254	92.7	119	38.8	60	21.2	28	12.8
Pike	21	4	25	11	15.5	11	24.2	3	NSR	0	NSR	0	NSR
Susquehanna	8	4	12	8	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Wayne	43	4	47	16	28.6	18	43.3	11	20.6	2	NSR	0	NSR
Wyoming	6	4	10	8	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Southeast	14,385	2,721	17,110	2,584	38.2	7,178	145.4	4,780	90.6	2,001	44.0	567	16.4
Berks	454	120	574	82	14.5	256	68.8	165	38.5	50	13.5	21	7.3
Bucks	459	114	573	85	10.6	255	49.3	135	18.7	68	10.7	30	6.9
Chester	289	66	355	54	7.8	144	32.5	107	19.3	33	7.1	17	5.6
Delaware	1,544	296	1,840	306	40.8	797	149.3	480	82.7	206	39.6	51	12.9
Lancaster	380	93	473	74	10.3	229	47.8	117	23.1	34	7.5	19	5.1
Montgomery	725	188	914	107	10.6	383	54.8	256	29.2	114	15.2	54	9.3
Philadelphia	10,437	1,823	12,260	1,858	89.9	5,067	288.0	3,479	241.1	1,485	122.8	371	39.5
Schuylkill	97	21	121	18	11.1	47	35.3	41	25.0	11	7.6	4	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	22,345	4,697	27,053	4,931	30.6	11,003	92.7	7,325	56.1	2,952	24.6	842	8.8
North Central	342	82	428	158	18.3	162	22.2	85	12.9	21	3.3	2	NSR
Bradford	22	6	28	15	19.0	8	NSR	4	NSR	1	NSR	0	NSR
Centre	39	18	57	21	11.0	20	8.9	11	8.9	5	NSR	0	NSR
Clinton	25	5	30	17	33.8	11	29.9	2	NSR	0	NSR	0	NSR
Columbia	43	10	55	17	20.0	22	31.7	7	NSR	7	NSR	2	NSR
Lycoming	69	16	85	32	22.3	30	26.9	21	17.8	2	NSR	0	NSR
Montour	11	3	14	8	NSR	4	NSR	2	NSR	0	NSR	0	NSR
Northumberland	34	10	44	18	16.9	18	23.6	7	NSR	1	NSR	0	NSR
Potter	4	3	7	6	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Snyder	14	5	19	8	NSR	6	NSR	4	NSR	1	NSR	0	NSR
Sullivan	1	1	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	7	2	9	4	NSR	3	NSR	2	NSR	0	NSR	0	NSR
Union	73	3	78	10	19.6	39	76.3	25	51.5	4	NSR	0	NSR
South Central	1,011	245	1,256	317	15.1	444	29.4	342	19.7	119	7.4	34	2.7
Adams	25	2	27	9	NSR	13	14.0	5	NSR	0	NSR	0	NSR
Bedford	18	2	20	10	16.5	7	NSR	3	NSR	0	NSR	0	NSR
Blair	117	27	144	53	34.0	53	47.1	29	23.1	6	NSR	3	NSR
Cumberland	82	24	106	46	15.9	26	11.2	22	9.4	11	5.1	1	NSR
Dauphin	277	64	341	65	19.4	133	56.5	98	34.6	37	14.1	8	NSR
Franklin	52	19	71	27	14.2	18	13.9	17	11.8	7	NSR	2	NSR
Fulton	4	2	6	4	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Huntingdon	30	10	40	12	22.8	12	26.4	12	24.5	4	NSR	0	NSR
Juniata	7	1	8	6	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Lebanon	41	12	53	18	11.0	12	9.8	11	8.5	9	NSR	3	NSR
Mifflin	14	10	24	10	16.5	10	26.1	4	NSR	0	NSR	0	NSR
Perry	21	4	25	10	16.5	10	25.0	5	NSR	0	NSR	0	NSR
York	323	68	391	47	8.5	146	37.8	136	28.4	45	10.8	17	5.8

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	22,345	4,697	27,053	4,931	30.6	11,003	92.7	7,325	56.1	2,952	24.6	842	8.8
Northwest	774	198	972	224	19.1	357	42.4	260	27.7	104	11.4	27	3.5
Cameron	3	0	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	22	6	28	11	21.1	13	33.1	4	NSR	0	NSR	0	NSR
Clearfield	40	10	50	19	21.0	14	18.9	7	NSR	5	NSR	5	NSR
Crawford	39	8	47	15	12.8	14	18.0	13	14.9	4	NSR	1	NSR
Elk	13	3	16	7	NSR	5	NSR	4	NSR	0	NSR	0	NSR
Erie	370	81	451	66	17.7	183	64.4	129	46.1	61	23.5	12	5.9
Forest	3	1	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	27	3	30	10	18.2	9	NSR	7	NSR	4	NSR	0	NSR
Lawrence	88	35	123	35	31.0	42	55.8	34	37.5	9	NSR	3	NSR
McKean	23	3	26	14	25.9	9	NSR	3	NSR	0	NSR	0	NSR
Mercer	92	32	124	22	14.7	43	43.2	36	31.2	17	14.8	6	NSR
Venango	49	12	61	13	19.2	22	49.5	22	40.0	4	NSR	0	NSR
Warren	5	4	9	5	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Southwest	4,091	1,035	5,127	1,071	33.2	2,017	83.3	1,347	48.2	547	19.8	145	6.2
Allegheny	2,805	638	3,444	595	40.7	1,442	126.3	886	70.9	411	33.8	110	10.7
Armstrong	29	26	55	12	14.3	24	45.2	12	16.7	7	NSR	0	NSR
Beaver	224	63	287	89	44.2	87	60.9	84	47.0	20	11.0	7	NSR
Butler	91	37	128	25	10.3	52	32.6	33	16.5	13	7.2	5	NSR
Cambria	132	56	188	26	15.7	68	53.5	62	42.5	24	16.0	8	NSR
Fayette	145	31	176	58	34.8	62	51.7	47	31.4	8	NSR	1	NSR
Greene	16	5	21	9	NSR	8	NSR	3	NSR	1	NSR	0	NSR
Indiana	54	21	75	15	13.1	31	33.4	20	25.1	4	NSR	5	NSR
Somerset	51	10	61	12	14.2	24	34.6	15	18.0	9	NSR	1	NSR
Washington	236	59	295	98	39.5	97	53.2	78	37.0	20	9.4	2	NSR
Westmoreland	308	89	397	132	31.9	122	41.2	107	28.0	30	7.7	6	NSR

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL ASSAULT

**NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	1,830	218.5	208.3-228.7	Allegheny	1,419	29.5	27.9-31.1	Berks	140	47.6	39.2-56
Chester	99	64.1	50.9-77.3	Chester	209	9.9	8.6-11.3	Lancaster	52	26.0	18.1-33.9
Dauphin	180	76.3	65-87.5	Dauphin	99	10.6	8.4-12.7	Lehigh	180	60.3	51.1-69.4
Delaware	1,001	174.6	163.6-185.6	Delaware	717	36.0	33.3-38.7	Philadelphia	1,307	150.0	141.4-158.6
Montgomery	264	73.5	64.6-82.4	Montgomery	474	15.3	13.9-16.7				
Philadelphia	8,183	241.7	236.4-247	Philadelphia	1,963	55.8	53.3-58.4				
Pennsylvania	12,818	183.3	180.1-186.5	Pennsylvania	10,082	19.7	19.3-20.1	Pennsylvania	2,168	69.5	66.4-72.6

**NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC HOSPITALIZATION RATES
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010**

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
Allegheny	White	82.7%	1,107	312	1,419	41.2%	165	15.0	537	59.5	439	41.7	199	18.7	79	8.6
	Black	13.4%	1,528	302	1,830	53.1%	399	145.1	812	472.1	405	265.1	189	147.4	25	27.8
Chester	White	88.7%	162	47	209	58.9%	27	4.5	86	22.6	56	11.4	24	5.6	16	5.7
	Black	6.2%	86	13	99	27.9%	19	38.4	36	103.4	36	121.5	7	NSR	1	NSR
Dauphin	White	76.3%	72	27	99	29.0%	10	4.5	34	19.7	37	16.8	14	6.5	4	NSR
	Black	17.9%	151	29	180	52.8%	41	51.3	76	161.5	41	84.4	18	49.1	4	NSR
Delaware	White	75.0%	586	131	717	39.0%	85	16.4	290	78.8	211	49.0	98	23.0	33	9.6
	Black	18.9%	853	148	1,001	54.4%	205	117.1	451	350.7	242	220.5	92	129.2	11	27.8
Montgomery	White	83.7%	354	120	474	51.9%	56	6.9	177	31.8	139	19.2	65	9.9	37	7.0
	Black	8.7%	227	37	264	28.9%	35	35.4	112	147.5	75	94.1	35	63.2	7	NSR
Philadelphia	White	45.6%	1,609	354	1,963	16.0%	141	18.3	765	93.0	580	88.2	360	60.9	117	21.7
	Black	45.3%	6,991	1,192	8,183	66.7%	1,370	127.0	3,322	450.8	2,370	360.4	925	174.4	196	54.7
Pennsylvania	White	84.9%	7,883	2,194	10,082	37.3%	1,196	9.2	3,972	41.1	2,961	26.6	1,388	13.0	565	6.4
	Black	10.7%	10,911	1,904	12,818	47.4%	2,293	104.7	5,359	348.5	3,532	260.8	1,377	137.0	257	40.0

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

In 2010, among Pennsylvania residents, there were 17,034 injury hospitalizations involving traumatic brain injury (TBI). On average, one resident was hospitalized every half hour.

Injury Definition

Traumatic brain injury (TBI) includes concussions, skull fractures and other intracranial injury.

Whereas other topics in this report reflect external causes of injury, TBI represents a specific injury diagnosis. That is, a variety of external causes may cause a traumatic brain injury.

Leading causes of TBI include motor vehicle accidents and falls. These mechanisms account for over 75 percent of all TBI hospitalizations in Pa.

HIGHLIGHTS

- *Age-adjusted rates have generally been **decreasing** over 2006 to 2010.*
- *The most common demographic is residents age **75 and older**.*
- *Of all Pennsylvania counties, **Monroe and Northampton** show the highest rate.*

Trends Over Time

- Age-adjusted hospitalization rates for TBI decreased from 2006 to 2010, from 139.6 to 119.8 hospitalizations per 100,000 population.
- Males showed significantly higher age-adjusted TBI hospitalization rates than females over 2006 to 2010 (rates were 153.6 and 87.0, respectively, in 2010).
- Black males showed significantly higher age-adjusted TBI hospitalization rates than white males over 2006 to 2010 (rates were 191.2 and 140.3, respectively, in 2010).

Demographic Trends

- Males showed significantly higher hospitalization rates than females for all age groups.
- Among males, blacks showed significantly higher TBI hospitalization rates for most ages less than 75, while whites showed significantly higher rates for ages 75 and older.
- Among females, blacks showed significantly higher TBI hospitalization rates for most ages less than 60, while whites showed significantly higher rates for ages 75 and older.

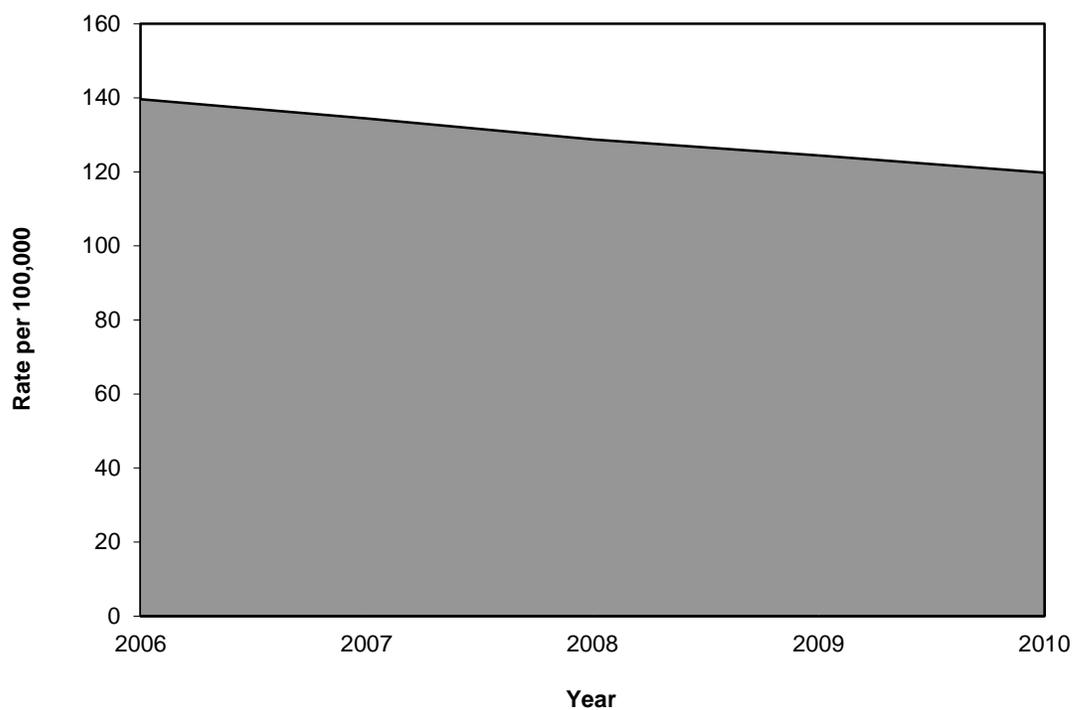
Regional Trends

- The Northeast and Southwest Health District showed the highest age-specific TBI hospitalization rates, while the North Central and South Central Health Districts showed the lowest rates.
- Twenty counties showed age-adjusted TBI hospitalization rates that were significantly higher than the comparable state rate.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2006-2010

Year	No.	Rate
2006	18,389	139.6
2007	17,900	134.4
2008	17,579	128.8
2009	17,544	124.5
2010	17,034	119.8



AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2006-2010

Year	N. Central	Northeast	Northwest	S. Central	Southeast	Southwest
2006	97.5	158.4	129.3	116.7	138.5	159.0
2007	96.7	146.8	127.7	104.1	137.9	151.3
2008	87.3	146.9	133.7	94.6	129.0	146.1
2009	88.6	148.2	119.2	92.6	128.3	132.5
2010	89.3	134.5	116.9	91.7	122.1	133.0

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

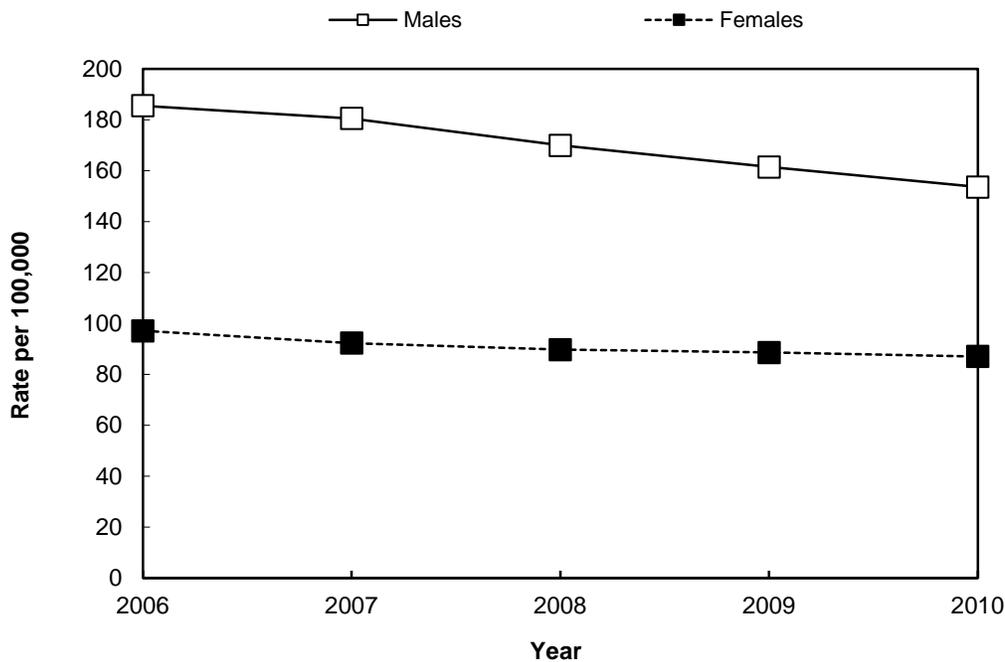
See Technical Notes.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2006-2010

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2006	11,038	185.6 *	2006	7,347	97.1
2007	10,834	180.6 *	2007	7,057	92.3
2008	10,431	170.0 *	2008	7,129	89.8
2009	10,150	161.5 *	2009	7,358	88.6
2010	9,765	153.6 *	2010	7,249	87.0

* denotes a statistically significant difference between groups at level of $p = .05$



AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2006-2010

Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2006	188.5	179.1 *	2006	97.7	96.1
2007	187.0	165.1 *	2007	92.7	91.5
2008	175.7	156.2 *	2008	91.7	84.9 *
2009	166.6	148.6 *	2009	89.6	86.5
2010	159.1	140.7 *	2010	87.2	87.0

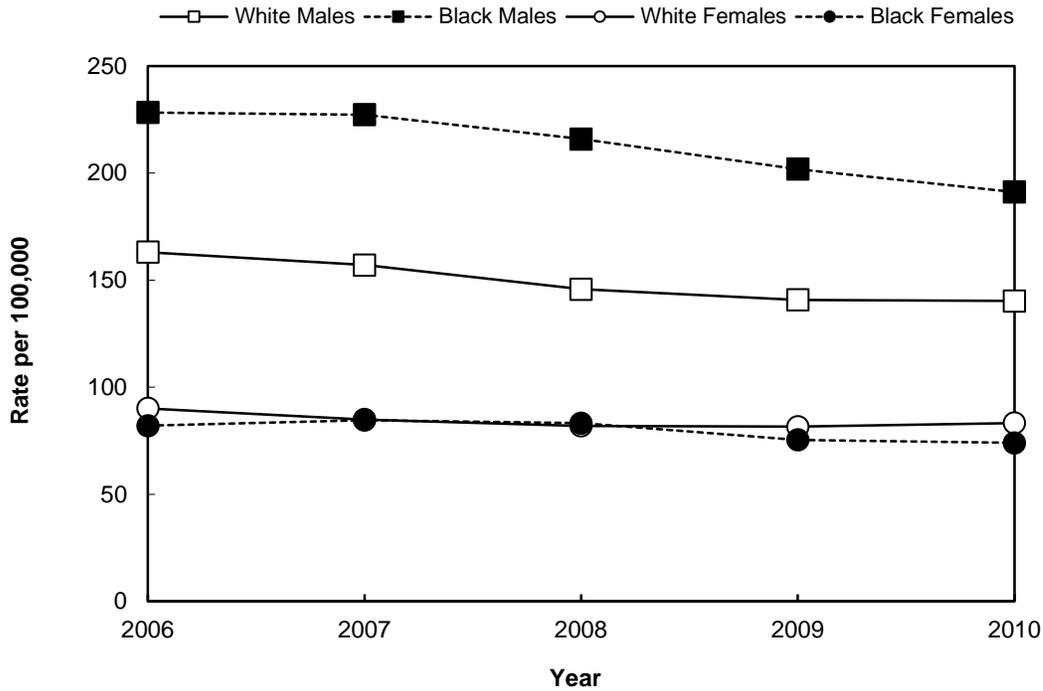
NOTES: Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

Pennsylvania has 19 urban counties using this definition. See Technical Notes.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	8,453	1,333	6,101	560	431	146
2007	8,223	1,329	5,825	579	369	157
2008	7,832	1,283	5,859	577	418	156
2009	7,772	1,219	6,105	547	424	213
2010	7,572	1,164	6,089	542	357	175



AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2006-2010

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2006	163.0	228.3 *	90.1	82.0 *	175.6	67.2
2007	157.0	227.2 *	84.9	84.6	164.8	80.6
2008	145.8	215.9 *	82.0	83.2	176.1	76.5
2009	140.8	201.8 *	81.6	75.4	165.3	96.6
2010	140.3	191.2 *	83.3	74.0 *	141.5	73.1

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Hispanics may be of any race. Hispanic numbers include whites, blacks and others of Hispanic ethnicity. Therefore, Hispanics must not be compared to whites or blacks, as the groups are not mutually exclusive.

INJURY HOSPITALIZATION: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2006-2010

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
TOTAL	88,446	141.2	52,218	171.5	36,140	112.3			65,028	143.1	23,418	136.2
< 5	1,588	43.2	962	51.1	621	34.6	*	1,205	43.7	383	41.5	
5-9	1,447	38.1	917	47.3	528	28.4	*	1,047	37.2	400	40.7	
10-14	2,263	56.4	1,619	79.0	639	32.5	*	1,632	55.3	631	59.5	
15-19	6,129	132.7	4,256	182.5	1,864	81.5	*	4,263	128.2	1,866	144.3	*
20-24	6,563	148.6	4,830	215.7	1,728	79.3	*	4,796	150.8	1,767	142.8	*
25-29	4,522	121.1	3,360	176.7	1,160	63.3	*	3,332	119.0	1,190	127.4	
30-34	3,527	94.8	2,534	135.4	986	53.3	*	2,598	94.6	929	95.2	
35-39	3,699	92.3	2,636	132.1	1,060	52.6	*	2,608	88.8	1,091	101.9	*
40-44	4,373	99.5	3,091	142.0	1,277	57.5	*	3,220	100.3	1,153	97.3	
45-49	5,140	110.7	3,561	155.6	1,570	66.7	*	3,877	114.8	1,263	99.7	*
50-54	5,098	112.3	3,503	157.5	1,588	68.6	*	3,872	118.1	1,226	97.3	*
55-59	4,437	109.2	2,924	148.3	1,509	72.1	*	3,318	114.2	1,119	96.6	*
60-64	4,189	122.9	2,659	163.5	1,526	85.7	*	3,080	128.0	1,109	110.9	*
65-69	3,913	146.3	2,208	179.1	1,703	118.1	*	2,810	150.8	1,103	135.9	*
70-74	4,535	204.7	2,407	247.0	2,127	171.4	*	3,327	215.2	1,208	180.5	*
75-79	6,365	341.2	3,038	396.4	3,322	302.2	*	4,668	355.8	1,697	306.6	*
80-84	8,302	574.0	3,489	636.5	4,805	534.9	*	6,145	597.2	2,157	516.7	*
85 +	12,356	889.5	4,224	1,004.2	8,127	839.2	*	9,230	926.4	3,126	796.1	*

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2006-2010

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS*	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	39,852	153.8	6,328	197.8	29,979	109.9	2,805	79.4	2,846	93.5
< 5	600	40.3	164	63.3	* 401	28.3	97	38.5	* 142	41.4
5-9	565	36.3	199	76.7	* 354	23.9	87	34.7	* 85	27.6
10-14	1,160	70.0	261	93.5	* 460	29.1	89	33.0	* 112	39.1
15-19	3,137	165.7	580	184.3	* 1,465	78.7	193	62.9	* 250	84.0
20-24	3,472	190.7	644	216.2	* 1,260	71.4	188	63.8	336	123.0
25-29	2,345	151.5	503	203.1	* 846	57.3	171	68.7	* 251	99.2
30-34	1,742	112.9	366	167.7	* 702	46.6	144	62.5	* 247	104.3
35-39	1,838	109.5	423	199.7	* 781	46.6	138	59.4	* 183	80.8
40-44	2,210	118.2	481	223.1	* 965	51.2	170	70.2	* 194	95.6
45-49	2,532	126.5	620	294.9	* 1,218	60.0	195	80.5	* 195	110.8
50-54	2,542	128.8	562	302.5	* 1,241	61.4	188	84.3	* 193	146.5
55-59	2,216	125.2	423	284.0	* 1,184	64.1	173	92.5	* 124	122.9
60-64	2,122	144.0	278	248.3	* 1,277	80.4	117	78.9	113	158.8
65-69	1,790	158.9	216	276.1	* 1,431	110.0	132	119.7	81	169.0
70-74	2,002	223.9	184	301.7	* 1,821	161.9	130	138.0	89	264.4
75-79	2,659	374.5	136	307.8	* 2,936	291.7	138	178.2	* 74	308.3
80-84	3,136	614.5	137	449.3	* 4,313	521.2	173	287.9	* 74	480.8
85 +	3,784	970.1	151	608.7	* 7,324	818.1	282	453.4	* 103	680.3

* denotes a statistically significant difference between groups at level of $p = .05$

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF HOSPITALIZATIONS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2006-2010

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
TOTAL	6,497	140.1	3,396	99.3	12,603	160.4	22,651	167.3	8,672	105.7	34,627	138.7	
< 5	95	37.2	- 88	49.6	+ 253	58.5	+ 244	34.3	- 220	44.5	688	42.9	
5-9	88	32.4	- 76	41.8	225	49.0	+ 242	32.0	- 207	40.9	609	37.6	
10-14	157	53.2	110	56.8	344	68.3	+ 468	57.5	268	50.6	916	54.6	
15-19	435	124.3	281	90.1	- 957	165.5	+ 1,318	139.3	744	129.3	2,394	128.9	
20-24	457	144.4	257	71.5	- 919	171.4	+ 1,585	177.3	+ 648	123.0	- 2,697	151.1	
25-29	328	125.9	180	99.4	- 604	135.6	+ 1,077	141.7	+ 409	83.9	- 1,924	120.4	
30-34	258	97.1	110	58.4	- 487	108.2	+ 859	111.7	+ 343	69.4	- 1,470	94.6	
35-39	283	99.4	158	78.0	- 518	104.0	+ 871	104.2	+ 366	68.1	- 1,503	91.1	
40-44	279	88.7	- 155	70.1	- 650	117.3	+ 1,061	113.2	+ 455	77.5	- 1,773	99.5	
45-49	346	102.1	183	77.7	- 711	121.1	+ 1,217	119.1	+ 498	80.9	- 2,185	118.5	+
50-54	369	108.9	148	63.4	- 689	119.5	1,289	124.6	+ 420	70.2	- 2,183	124.3	+
55-59	328	106.2	174	81.4	- 563	107.5	1,148	122.3	+ 398	72.9	- 1,826	119.1	+
60-64	294	111.3	152	82.4	- 603	132.0	1,039	132.3	+ 426	92.7	- 1,675	133.3	+
65-69	306	142.9	150	97.4	- 566	156.9	978	159.6	+ 390	106.0	- 1,523	157.8	+
70-74	364	201.2	179	140.5	- 650	222.6	1,171	222.4	+ 454	153.3	- 1,717	216.7	
75-79	537	352.2	241	231.3	- 941	390.3	+ 1,864	405.8	+ 590	244.2	- 2,192	328.7	
80-84	648	553.8	319	408.1	- 1,190	642.7	+ 2,499	670.2	+ 770	436.8	- 2,876	556.4	
85 +	925	849.2	435	597.6	- 1,733	987.4	+ 3,721	1,031.2	+ 1,066	653.0	- 4,476	881.5	

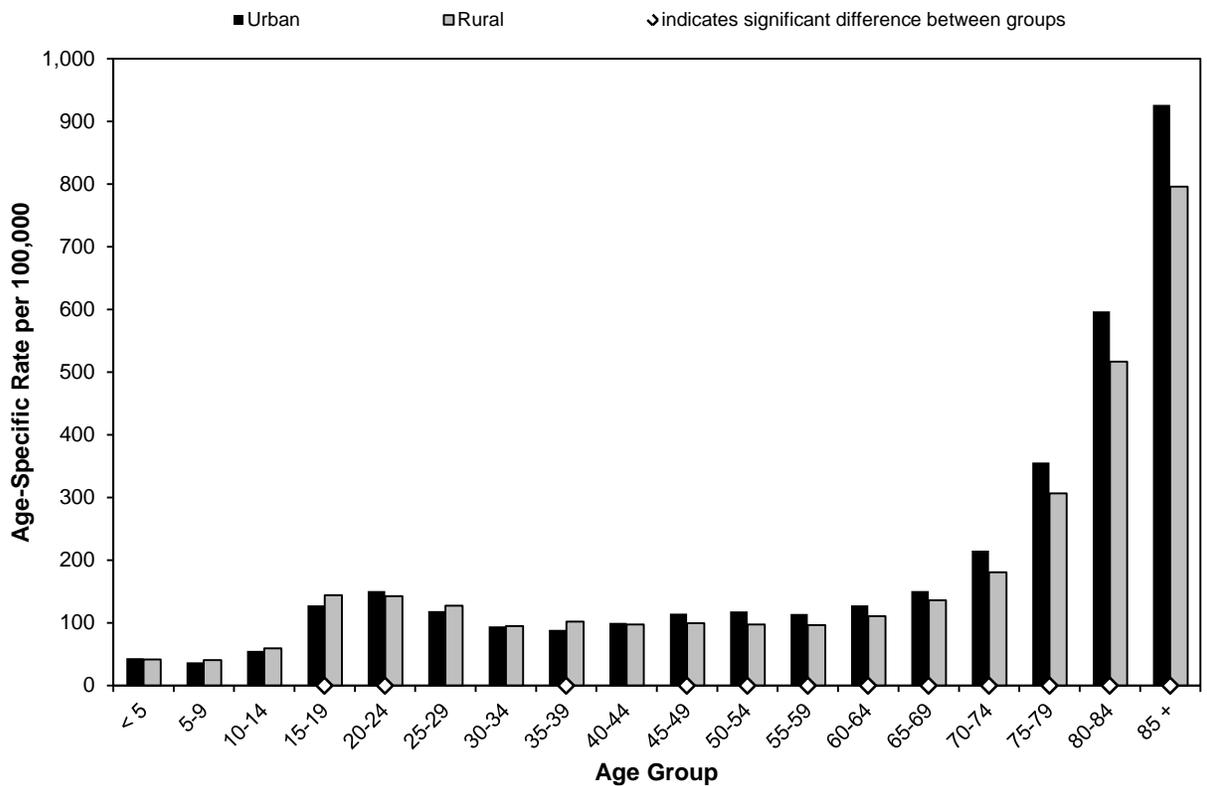
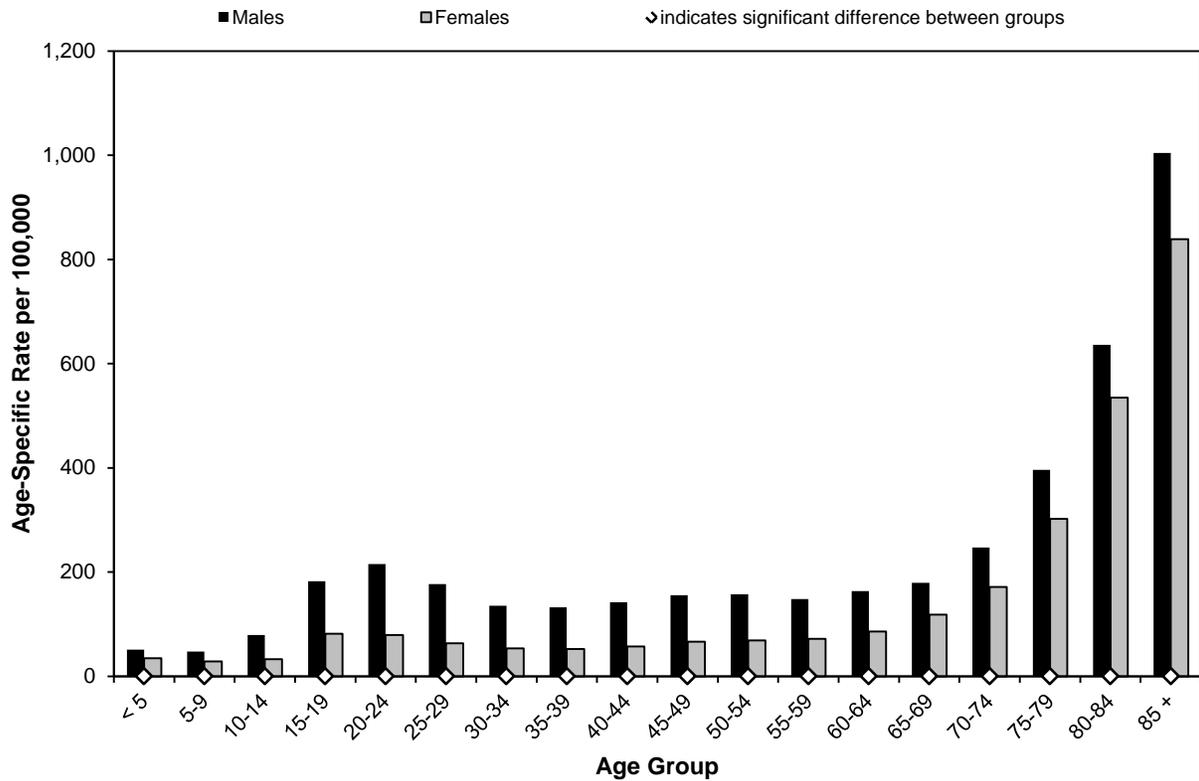
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Missing or unknown ages are included in the total.

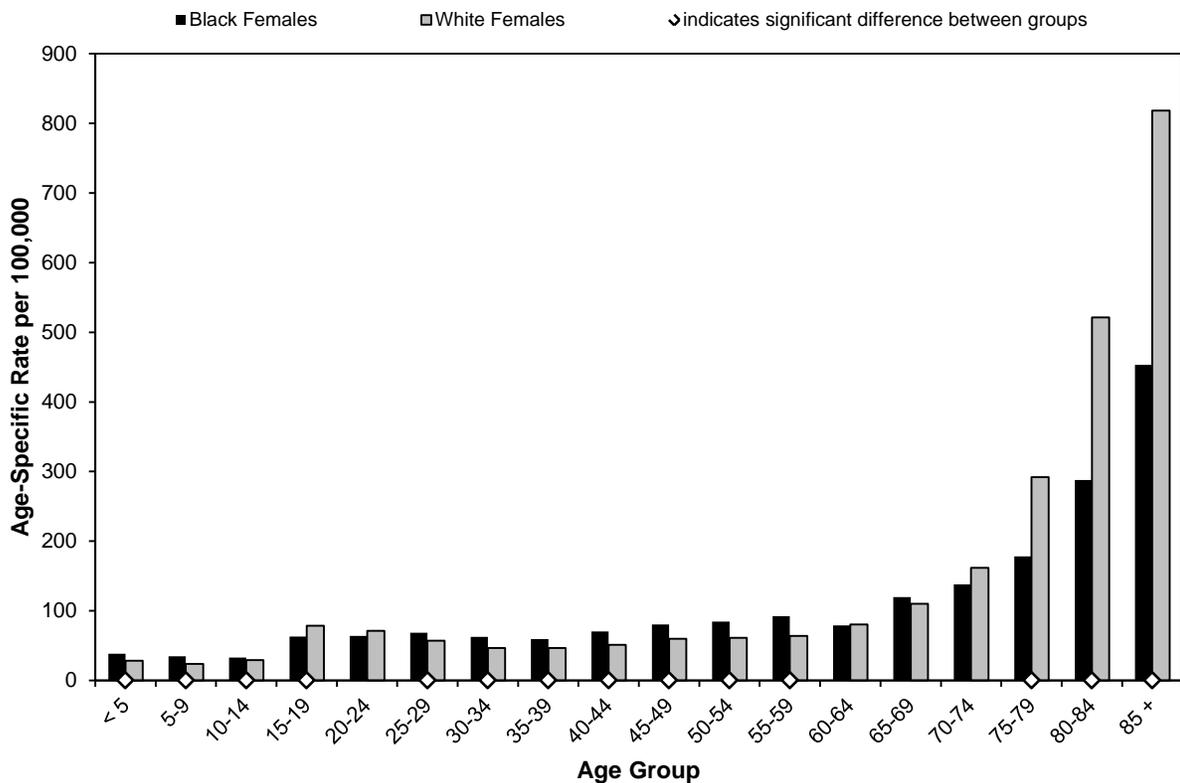
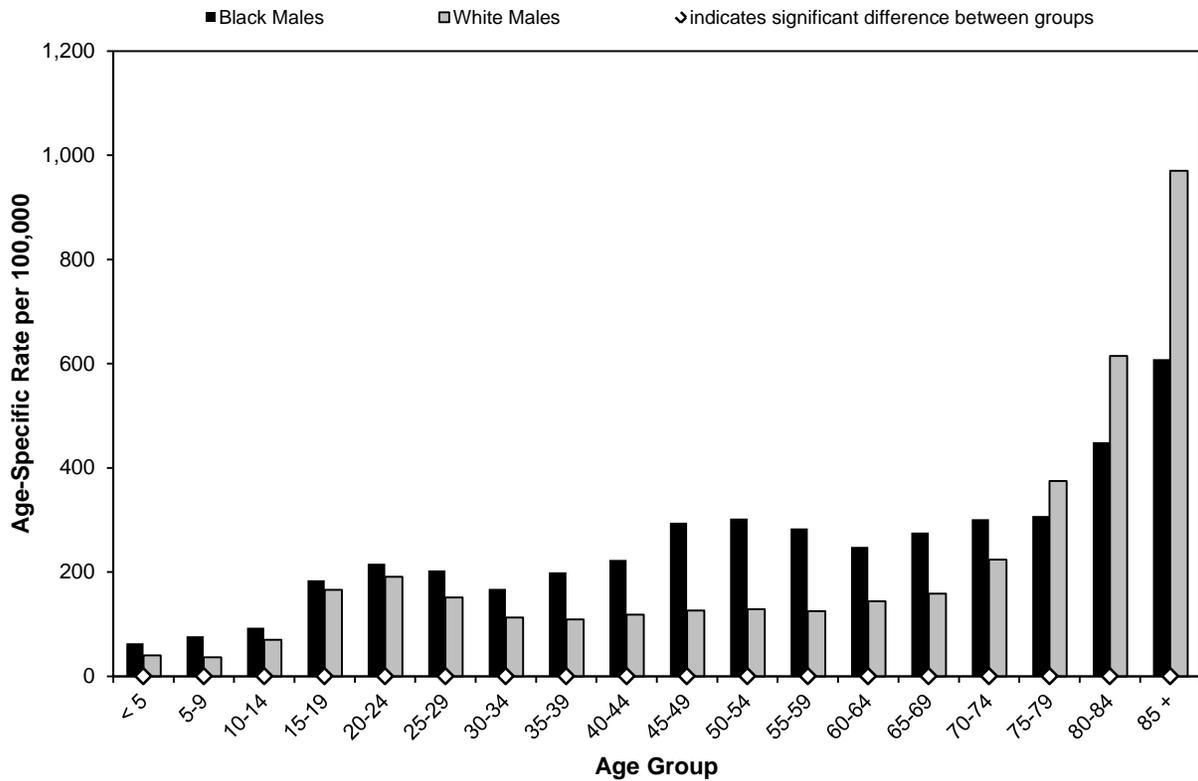
INJURY HOSPITALIZATION: TRAUMATIC BRAIN INJURY

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: TRAUMATIC BRAIN INJURY

AGE-SPECIFIC HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2006-2010



INJURY HOSPITALIZATION: TRAUMATIC BRAIN INJURY

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2006-2010

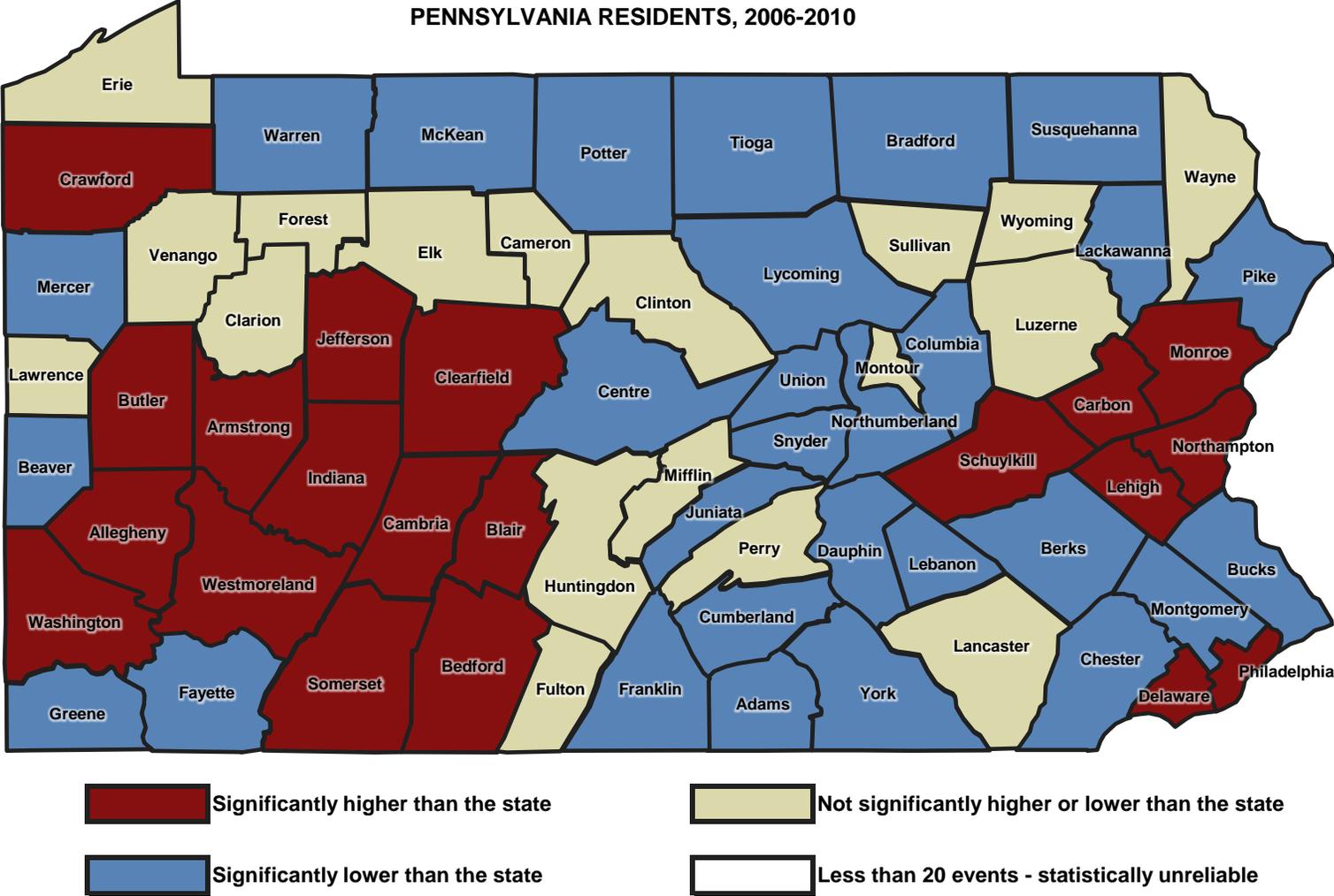
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)
Northeast	12,603	146.7	144.1-149.3 +	Southeast	34,627	131.1	129.7-132.4 +
Carbon	596	176.6	162-191.2 +	Berks	2,481	115.3	110.7-119.9 -
Lackawanna	1,491	120.1	113.8-126.5 -	Bucks	3,603	113.0	109.3-116.8 -
Lehigh	2,748	150.4	144.7-156.1 +	Chester	2,326	95.7	91.8-99.6 -
Luzerne	2,427	129.7	124.4-135.1	Delaware	5,052	167.7	163.1-172.4 +
Monroe	1,244	151.6	143-160.1 +	Lancaster	3,506	132.2	127.8-136.6
Northampton	3,107	195.1	188.1-202.1 +	Montgomery	4,496	104.7	101.5-107.8 -
Pike	233	82.1	71.2-93 -	Philadelphia	11,928	156.1	153.3-159 +
Susquehanna	224	99.0	85.5-112.4 -	Schuylkill	1,235	150.8	142-159.5 +
Wayne	328	119.9	106.3-133.5				
Wyoming	205	142.1	122.3-161.9				
North Central	3,396	91.8	88.6-95 -	South Central	8,672	99.8	97.7-102 -
Bradford	278	82.0	72.1-92 -	Adams	403	74.5	67.1-81.9 -
Centre	588	87.0	79.6-94.4 -	Bedford	363	146.1	130.6-161.6 +
Clinton	232	116.2	100.6-131.8	Blair	1,115	161.9	152.1-171.7 +
Columbia	374	105.1	94-116.3 -	Cumberland	1,045	82.5	77.4-87.6 -
Lycoming	524	82.1	74.9-89.3 -	Dauphin	1,199	90.0	84.8-95.2 -
Montour	130	136.3	111.9-160.8	Franklin	622	78.8	72.4-85.1 -
Northumberland	609	119.1	109.2-129 -	Fulton	117	150.5	122.7-178.3
Potter	77	85.3	65.5-105.1 -	Huntingdon	325	135.2	120.3-150
Snyder	195	93.6	80.2-106.9 -	Juniata	127	100.9	83-118.8 -
Sullivan	38	108.3	69.8-146.8	Lebanon	656	94.3	87-101.7 -
Tioga	145	66.4	55-77.7 -	Mifflin	295	122.1	107.8-136.5
Union	206	88.6	76.2-100.9 -	Perry	274	122.2	107.6-136.8
				York	2,131	97.4	93.2-101.5 -
Northwest	6,497	125.2	122.1-128.3 -	Southwest	22,651	144.4	142.4-146.3 +
Cameron	49	147.2	102.2-192.2	Allegheny	10,621	147.9	144.9-150.8 +
Clarion	305	137.9	121.7-154.1	Armstrong	535	144.2	131.5-157 +
Clearfield	649	146.4	134.8-158 +	Beaver	1,169	115.8	108.9-122.8 -
Crawford	679	141.6	130.7-152.5 +	Butler	1,379	139.4	132-146.9 +
Elk	250	139.4	121.3-157.4	Cambria	1,522	180.0	170.5-189.5 +
Erie	1,888	125.4	119.6-131.1	Fayette	922	114.3	106.6-122 -
Forest	45	115.2	79.3-151.1	Greene	164	76.7	64.7-88.7 -
Jefferson	441	178.7	161.5-196 +	Indiana	722	149.4	137.8-160.9 +
Lawrence	700	123.7	114.1-133.3	Somerset	692	156.5	144.3-168.6 +
McKean	224	92.1	79.8-104.4 -	Washington	1,771	151.0	143.7-158.3 +
Mercer	684	96.6	89.1-104.2 -	Westmoreland	3,154	150.7	145.2-156.2 +
Venango	345	116.8	104-129.6				
Warren	238	104.7	90.8-118.5 -	Pennsylvania	88,446	129.3	128.4-130.2

NOTE: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.

+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY,
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE
PENNSYLVANIA RESIDENTS, 2006-2010



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2006-2010

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	52,218	36,140	88,446	11,446	71.1	14,627	123.2	13,211	101.2	13,734	114.4	35,428	369.4
Northeast	7,210	5,356	12,603	1,779	90.2	2,010	140.4	1,879	114.6	1,855	119.1	5,080	404.9
Carbon	332	263	596	95	134.9	103	173.4	97	144.9	88	131.9	213	387.5
Lackawanna	802	688	1,491	164	64.9	192	97.1	175	83.9	235	115.0	725	385.5
Lehigh	1,630	1,117	2,748	408	91.1	457	142.1	413	116.8	398	122.5	1,072	416.0
Luzerne	1,245	1,150	2,427	256	70.9	340	118.1	312	95.6	325	104.6	1,194	418.8
Monroe	763	479	1,244	232	99.4	222	151.4	226	120.8	220	134.1	344	341.7
Northampton	1,835	1,272	3,107	450	114.6	527	192.3	478	155.7	421	148.7	1,231	561.2
Pike	135	98	233	53	74.5	43	94.8	59	89.4	33	49.4	45	100.0
Susquehanna	123	101	224	33	66.1	41	121.2	31	74.0	36	76.0	83	238.7
Wayne	216	112	328	58	103.8	50	120.4	55	103.0	63	104.6	102	213.4
Wyoming	129	76	205	30	79.1	35	149.8	33	115.5	36	125.1	71	335.9
Southeast	21,275	13,340	34,627	4,607	68.1	6,091	123.4	5,461	103.5	5,684	125.0	12,784	370.6
Berks	1,511	970	2,481	348	61.5	394	105.8	370	86.2	378	102.2	991	343.8
Bucks	2,045	1,556	3,603	466	58.0	566	109.3	483	66.8	554	86.8	1,534	353.0
Chester	1,341	985	2,326	269	38.9	413	93.2	307	55.3	332	71.6	1,005	329.7
Delaware	2,980	2,072	5,052	665	88.6	842	157.7	776	133.7	835	160.4	1,934	489.2
Lancaster	2,172	1,333	3,506	640	89.4	635	132.6	496	98.1	493	109.1	1,242	335.5
Montgomery	2,572	1,922	4,496	496	49.3	611	87.4	567	64.7	691	92.2	2,131	365.9
Philadelphia	7,899	4,027	11,928	1,552	75.1	2,418	137.4	2,263	156.8	2,232	184.6	3,463	368.7
Schuylkill	755	475	1,235	171	105.6	212	159.3	199	121.4	169	117.5	484	360.4

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	52,218	36,140	88,446	11,446	71.1	14,627	123.2	13,211	101.2	13,734	114.4	35,428	369.4
North Central	2,050	1,313	3,396	557	64.4	563	77.2	491	74.5	470	74.4	1,315	245.1
Bradford	160	117	278	43	54.6	37	72.5	38	59.6	48	76.7	112	211.9
Centre	353	231	588	96	50.3	114	50.5	85	68.8	72	66.3	221	269.2
Clinton	135	92	232	40	79.5	40	108.6	38	110.1	30	86.7	84	268.9
Columbia	225	146	374	51	60.0	63	90.7	49	82.5	65	107.9	146	275.3
Lycoming	324	195	524	88	61.4	84	75.2	76	64.4	72	62.6	204	212.3
Montour	78	51	130	21	95.6	22	155.8	17	93.8	22	116.5	48	293.6
Northumberland	358	243	609	102	95.9	88	115.2	80	83.0	82	86.6	257	299.5
Potter	57	19	77	17	76.5	12	89.7	14	85.0	9	NSR	25	158.8
Snyder	121	74	195	32	61.6	43	108.7	21	55.6	21	59.3	78	279.1
Sullivan	19	19	38	6	NSR	7	NSR	9	NSR	3	NSR	13	174.2
Tioga	90	53	145	26	46.9	20	56.3	28	74.9	20	49.3	51	140.3
Union	130	73	206	35	68.5	33	64.6	36	74.2	26	70.1	76	241.2
South Central	5,187	3,481	8,672	1,439	68.3	1,400	92.8	1,319	75.8	1,244	77.6	3,270	262.6
Adams	247	156	403	61	45.3	43	46.4	51	47.2	51	52.3	197	266.4
Bedford	222	141	363	78	128.6	63	154.2	76	145.4	47	93.3	99	222.5
Blair	657	458	1,115	149	95.7	200	177.7	185	147.1	168	132.9	413	375.6
Cumberland	607	438	1,045	154	53.1	138	59.6	142	60.4	160	73.5	451	254.7
Dauphin	740	459	1,199	233	69.6	201	85.4	180	63.5	182	69.6	403	226.5
Franklin	347	275	622	94	49.4	87	67.0	80	55.7	62	45.5	299	249.8
Fulton	67	50	117	18	97.8	20	152.1	21	134.6	21	141.4	37	300.0
Huntingdon	204	120	325	38	72.1	99	217.6	60	122.3	48	107.3	80	221.0
Juniata	86	40	127	23	74.4	16	79.7	21	87.8	15	65.6	52	262.3
Lebanon	389	267	656	151	92.4	92	75.2	83	64.3	85	68.3	245	225.9
Mifflin	164	129	295	55	91.0	61	159.1	38	81.9	45	101.1	96	228.7
Perry	182	92	274	92	152.1	47	117.7	42	84.9	34	71.6	59	199.6
York	1,275	856	2,131	293	53.0	333	86.3	340	71.1	326	78.6	839	285.5

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Geography District/County	Sex		Total All Ages	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pennsylvania	52,218	36,140	88,446	11,446	71.1	14,627	123.2	13,211	101.2	13,734	114.4	35,428	369.4
Northwest	3,714	2,783	6,497	792	67.6	1,042	123.6	912	97.2	1,005	110.2	2,746	355.0
Cameron	30	19	49	15	243.6	8	NSR	7	NSR	19	312.7	0	NSR
Clarion	178	127	305	42	80.6	63	160.5	32	86.3	39	103.1	129	383.6
Clearfield	366	283	649	94	104.1	125	168.4	108	118.5	97	117.4	225	310.8
Crawford	381	298	679	79	67.3	107	137.5	107	123.0	86	96.1	300	415.9
Elk	144	106	250	44	114.7	37	150.9	30	83.6	50	150.6	89	296.1
Erie	1,120	768	1,888	221	59.1	336	118.3	290	103.5	298	115.0	743	368.2
Forest	29	16	45	8	NSR	7	NSR	9	NSR	11	169.6	10	167.8
Jefferson	278	163	441	44	80.1	88	228.4	68	149.1	56	122.6	185	450.8
Lawrence	376	324	700	63	55.7	79	105.0	63	69.6	110	120.6	385	456.8
McKean	127	97	224	30	55.6	35	89.2	36	77.3	28	67.8	95	257.9
Mercer	338	346	684	71	47.4	64	64.3	78	67.6	108	93.8	363	346.4
Venango	205	140	345	45	66.4	60	135.0	56	101.7	58	98.7	126	263.2
Warren	142	96	238	36	73.5	33	102.2	28	66.4	45	100.1	96	256.2
Southwest	12,782	9,867	22,651	2,272	70.4	3,521	145.3	3,149	112.7	3,476	126.0	10,233	438.7
Allegheny	5,948	4,672	10,621	962	65.8	1,537	134.6	1,442	115.3	1,677	137.8	5,003	486.8
Armstrong	306	229	535	71	84.7	98	184.4	87	120.8	78	107.8	201	316.9
Beaver	663	506	1,169	104	51.6	185	129.4	164	91.7	200	109.8	516	326.1
Butler	778	601	1,379	154	63.6	241	151.3	194	97.1	211	117.2	579	428.6
Cambria	850	672	1,522	156	94.1	255	200.8	224	153.4	230	153.8	657	484.7
Fayette	552	370	922	97	58.2	150	125.2	127	84.9	148	97.4	400	319.2
Greene	85	79	164	23	51.1	32	82.6	23	54.3	22	53.2	64	215.3
Indiana	438	284	722	96	83.9	145	156.3	106	132.8	105	126.2	270	388.4
Somerset	417	275	692	92	108.7	103	148.7	104	124.9	95	120.4	298	411.8
Washington	1,021	750	1,771	202	81.4	266	145.9	254	120.6	262	122.7	787	440.0
Westmoreland	1,724	1,429	3,154	315	76.1	509	172.1	424	110.9	448	115.1	1,458	433.3

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

BLACK POPULATION BY COUNTY				WHITE POPULATION BY COUNTY				HISPANIC POPULATION BY COUNTY			
County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)	County	No.	Rate	CI (95%)
Allegheny	1,369	170.5	161.4-179.7	Allegheny	8,514	135.1	132.1-138.1	Berks	149	79.7	63.4-95.9
Chester	127	87.0	71.4-102.6	Chester	2,039	93.0	88.9-97	Lancaster	78	52.0	37.8-66.2
Dauphin	199	88.4	75.8-100.9	Dauphin	882	82.8	77.2-88.4	Lehigh	246	108.9	91.2-126.7
Delaware	884	176.7	164.7-188.8	Delaware	3,858	158.5	153.4-163.7	Philadelphia	1,219	171.8	160.9-182.7
Montgomery	323	100.1	88.9-111.2	Montgomery	3,533	93.6	90.5-96.8				
Philadelphia	4,901	149.0	144.8-153.2	Philadelphia	4,869	123.9	120.3-127.5				
Pennsylvania	9,134	140.9	138-143.8	Pennsylvania	69,910	115.9	115-116.8	Pennsylvania	2,848	121.1	115.9-126.3

NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2006-2010

Select Counties	Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+		
		Male	Female			All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
County and Race	Cty. Pop.															
Allegheny	White	82.7%	4,610	3,904	8,514	80.2%	618	56.0	1,068	118.3	1,042	99.1	1,295	121.7	4,491	486.1
	Black	13.4%	886	483	1,369	12.9%	262	95.3	297	172.7	267	174.8	259	202.0	284	315.6
Chester	White	88.7%	1,147	892	2,039	87.7%	229	38.4	320	84.2	258	52.3	299	69.9	933	330.1
	Black	6.2%	83	44	127	5.5%	17	34.4	37	106.2	26	87.8	16	69.8	31	199.4
Dauphin	White	76.3%	516	366	882	73.6%	147	65.4	117	67.9	126	57.4	138	63.8	354	229.0
	Black	17.9%	144	55	199	16.6%	55	68.9	48	102.0	35	72.1	33	89.9	28	141.7
Delaware	White	75.0%	2,183	1,675	3,858	76.4%	422	81.6	542	147.4	521	120.9	622	146.0	1,751	507.4
	Black	18.9%	594	290	884	17.5%	187	106.8	231	179.6	196	178.6	155	217.7	115	290.3
Montgomery	White	83.7%	1,964	1,567	3,533	78.6%	373	46.0	423	75.9	400	55.3	545	83.3	1,792	337.6
	Black	8.7%	221	102	323	7.2%	41	41.5	63	83.0	69	86.6	66	119.1	84	262.8
Philadelphia	White	45.6%	2,880	1,988	4,869	40.8%	321	41.6	823	100.1	712	108.3	871	147.3	2,142	397.6
	Black	45.3%	3,471	1,430	4,901	41.1%	801	74.3	1,002	136.0	1,159	176.2	1,000	188.5	939	262.1
Pennsylvania	White	84.9%	39,852	29,979	69,910	79.0%	8,160	63.1	10,377	107.4	9,560	85.8	10,596	99.3	31,217	355.3
	Black	10.7%	6,328	2,805	9,134	10.3%	1,671	76.3	2,016	131.1	2,027	149.7	1,741	173.2	1,679	261.1

Appendices

LEADING CAUSES OF INJURY DEATH

For 2006 to 2010, the leading causes of injury death among Pennsylvania residents were unintentional poisoning, motor vehicle traffic (MVT) accidents, unintentional falls, suicide by firearm and homicide by firearm. These five causes accounted for 70 percent of injury deaths.

Overview

Unintentional falls were the leading cause of injury death among females.

The top leading cause varied by race and ethnicity: homicide by firearm for blacks and unintentional poisoning for whites and Hispanics.

Unintentional poisoning was the leading cause of injury death among ages 20 to 64 for both males and females. Unintentional falls were the leading cause of injury death among ages 65 and older.

HIGHLIGHTS

- **Unintentional poisoning** is the leading cause of injury death, specifically among ages 20 to 64.
- **MVT accidents** lead among whites less than age 20.
- **Homicide by firearm** leads among blacks under age 35.

Youth Injury Deaths

- For 2006 to 2010, MVT accidents were the leading cause of injury death among youths less than age 20, whereas the cause ranked second for ages 20 and older.
- Homicide by firearm was the leading cause of injury death among black youths less than age 20, whereas the cause ranked ninth among white youths.
- Fire/flame injury and drowning ranked sixth and seventh, respectively, in causes of injury death among youths less than age 20.

Violent Deaths

- For 2006 to 2010, the leading causes of violent death (suicide or homicide) were suicide by firearm, homicide by firearm, suicide by hanging, and suicide by poisoning. These four causes accounted for over 86 percent of violent deaths.
- Suicide by poisoning was the leading cause of violent death among females, whereas the cause ranked fourth among males.

Fatal Traumatic Brain Injuries

- For 2006 to 2010, the leading causes of fatal traumatic brain injury were unintentional falls, suicide by firearm, MVT accidents, and homicide by firearm. These four causes accounted for over 87 percent of injury deaths involving traumatic brain injury.
- Suicide by firearm was the leading cause of fatal traumatic brain injury among males, whereas the cause ranked third among females.

For a full list of causes included in the rankings, with ICD definitions, see the Technical Notes.

LEADING CAUSES OF INJURY DEATH: 2006-2010

PENNSYLVANIA RESIDENTS BY GENDER OR AGE GROUP

RANK	TOTAL	GENDER		AGE GROUP				
	All Ages	Males	Females	0-19	20-34	35-49	50-64	65+
1	Poisoning	Poisoning	Falls	MVT	Poisoning	Poisoning	Poisoning	Falls
	(Unint.) 7,893	(Unint.) 5,421	(Unint.) 3,056	(Unint.) 934	(Unint.) 2,491	(Unint.) 3,179	(Unint.) 1,717	(Unint.) 5,102
2	MVT	MVT	Poisoning	Firearm	MVT	MVT	MVT	MVT
	(Unint.) 7,065	(Unint.) 4,945	(Unint.) 2,472	(Assault) 465	(Unint.) 2,033	(Unint.) 1,529	(Unint.) 1,159	(Unint.) 1,410
3	Falls	Firearm	MVT	Poisoning	Firearm	Firearm	Firearm	Suffocation
	(Unint.) 6,102	(Self-Inf) 3,418	(Unint.) 2,120	(Unint.) 212	(Assault) 1,394	(Self-Inf) 1,024	(Self-Inf) 1,069	(Unint.) 1,135
4	Firearm	Falls	Suffocation	Suffocation	Firearm	Suffocation	Falls	Firearm
	(Self-Inf) 3,782	(Unint.) 3,046	(Unint.) 760	(Self-Inf) 177	(Self-Inf) 743	(Self-Inf) 594	(Unint.) 606	(Self-Inf) 820
5	Firearm	Firearm	Poisoning	Suffocation	Suffocation	Firearm	Poisoning	Poisoning
	(Assault) 2,625	(Assault) 2,290	(Self-Inf) 562	(Unint.) 159	(Self-Inf) 551	(Assault) 527	(Self-Inf) 432	(Unint.) 294
6	Suffocation	Suffocation	Firearm	Fire/Burn	Poisoning	Poisoning	Suffocation	Fire/Burn
	(Self-Inf) 1,834	(Self-Inf) 1,493	(Self-Inf) 364	(Unint.) 156	(Self-Inf) 210	(Self-Inf) 474	(Self-Inf) 383	(Unint.) 287
7	Suffocation	Suffocation	Fire/Burn	Drowning	Poisoning	Falls	Firearm	Poisoning
	(Unint.) 1,642	(Unint.) 882	(Unint.) 361	(Unint.) 128	(Undet.) 110	(Unint.) 270	(Assault) 176	(Self-Inf) 136
8	Poisoning	Poisoning	Suffocation	Firearm	Transport	Poisoning	Suffocation	Suffocation
	(Self-Inf) 1,282	(Self-Inf) 720	(Self-Inf) 341	(Self-Inf) 126	(Unint.) 101	(Undet.) 221	(Unint.) 176	(Self-Inf) 129
9	Fire/Burn	Fire/Burn	Firearm	Transport	Cut/Pierce	Suffocation	Fire/Burn	Nat/Env.
	(Unint.) 804	(Unint.) 443	(Assault) 335	(Unint.) 82	(Assault) 97	(Unint.) 119	(Unint.) 166	(Unint.) 112
10	Poisoning	Transport	Poisoning	Falls	Falls	Fire/Burn	Poisoning	Transport
	(Undet.) 493	(Unint.) 380	(Undet.) 204	(Unint.) 37	(Unint.) 87	(Unint.) 116	(Undet.) 129	(Unint.) 106

NOTES: Some causes may be tied by number of events, including ranks 10 and 11 (not shown). For full list of causes included in these tables, see Technical Notes.

LEADING CAUSES OF INJURY DEATH: 2006-2010

PENNSYLVANIA RESIDENTS BY GENDER AND AGE GROUP

RANK	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	MVT (Unint.) 601	MVT (Unint.) 333	Poison (Unint.) 1899	Poison (Unint.) 592	Poison (Unint.) 2,072	Poison (Unint.) 1,107	Poison (Unint.) 1,151	Poison (Unint.) 566	Fall (Unint.) 2,324	Fall (Unint.) 2,778
2	Firearm (Assault) 429	Fire/Burn (Unint.) 65	MVT (Unint.) 1566	MVT (Unint.) 467	MVT (Unint.) 1118	MVT (Unint.) 411	Firearm (Self-Inf.) 939	MVT (Unint.) 301	MVT (Unint.) 802	MVT (Unint.) 608
3	Poison (Unint.) 158	Suffocation (Unint.) 63	Firearm (Assault) 1271	Firearm (Assault) 123	Firearm (Self-Inf.) 915	Poison (Self-Inf.) 213	MVT (Unint.) 858	Poison (Self-Inf.) 207	Firearm (Self-Inf.) 773	Suffocation (Unint.) 581
4	Suffocation (Self-Inf.) 126	Poison (Unint.) 54	Firearm (Self-Inf.) 676	Suffocation (Self-Inf.) 97	Suffocation (Self-Inf.) 507	Firearm (Self-Inf.) 109	Fall (Unint.) 429	Fall (Unint.) 177	Suffocation (Unint.) 554	Poison (Unint.) 153
5	Firearm (Self-Inf.) 115	Suffocation (Self-Inf.) 51	Suffocation (Self-Inf.) 454	Poison (Self-Inf.) 72	Firearm (Assault) 424	Firearm (Assault) 103	Suffocation (Self-Inf.) 317	Firearm (Self-Inf.) 130	Fire/Burn (Unint.) 143	Fire/Burn (Unint.) 144
6	Suffocation (Unint.) 96	Firearm (Assault) 36	Poison (Self-Inf.) 138	Firearm (Self-Inf.) 67	Poison (Self-Inf.) 261	Poison (Undet.) 89	Poison (Self-Inf.) 225	Poison (Undet.) 67	Poison (Unint.) 141	Nat/Env. (Unint.) 67
7	Drowning (Unint.) 95	Drowning (Unint.) 33	Transport (Unint.) 90	Poison (Undet.) 39	Fall (Unint.) 207	Suffocation (Self-Inf.) 87	Firearm (Assault) 130	Suffocation (Self-Inf.) 66	Suffocation (Self-Inf.) 89	Poison (Self-Inf.) 57
8	Fire/Burn (Unint.) 91	Transport (Unint.) 21	Cut/Pierce (Assault) 73	Fire/Burn (Unint.) 39	Poison (Undet.) 132	Fall (Unint.) 63	Suffocation (Unint.) 111	Suffocation (Unint.) 65	Poison (Self-Inf.) 79	Firearm (Self-Inf.) 47
9	Transport (Unint.) 61	Fall (Unint.) 16	Poison (Undet.) 71	Cut/Pierce (Assault) 24	Suffocation (Unint.) 85	Fire/Burn (Unint.) 51	Fire/Burn (Unint.) 104	Fire/Burn (Unint.) 62	Transport (Unint.) 74	Suffocation (Self-Inf.) 40
10	Firearm (Unint.) 30	Poison (Self-Inf.) 13	Drowning (Unint.) 67	Fall (Unint.) 22	Transport (Unint.) 83	Cut/Pierce (Assault) 39	Drowning (Unint.) 73	Firearm (Assault) 46	Drowning (Unint.) 56	Transport (Unint.) 32

NOTES: Some causes may be tied by number of events, including ranks 10 and 11 (not shown). For full list of causes included in these tables, see Technical Notes.

LEADING CAUSES OF INJURY DEATH: 2006-2010

PENNSYLVANIA RESIDENTS BY RACE OR ETHNICITY AND GENDER

RANK	TOTAL	RACE OR ETHNICITY			MALES		FEMALES	
	All Races	White	Black	Hispanic	White	Black	White	Black
1	Poisoning	Poison	Firearm	Poison	Poison	Firearm	Fall	Poison
	(Unint.) 7,893	(Unint.) 6,554	(Assault) 1,826	(Unint.) 274	(Unint.) 4,466	(Assault) 1,700	(Unint.) 2,916	(Unint.) 308
2	MVT	MVT	Poison	MVT	MVT	Poison	Poison	MVT
	(Unint.) 7,065	(Unint.) 6,136	(Unint.) 1,022	(Unint.) 242	(Unint.) 4,265	(Unint.) 714	(Unint.) 2,088	(Unint.) 156
3	Falls	Fall	MVT	Firearm	Firearm	MVT	MVT	Firearm
	(Unint.) 6,102	(Unint.) 5,736	(Unint.) 575	(Assault) 225	(Self-Inf) 3,191	(Unint.) 419	(Unint.) 1,871	(Assault) 126
4	Firearm	Firearm	Fall	Suffocation	Fall	Fall	Suffocation	Fall
	(Self-Inf) 3,782	(Self-Inf.) 3,537	(Unint.) 259	(Self-Inf.) 71	(Unint.) 2,820	(Unint.) 154	(Unint.) 640	(Unint.) 105
5	Firearm	Suffocation	Suffocation	Fall	Suffocation	Firearm	Poison	Suffocation
	(Assault) 2,625	(Self-Inf.) 1,575	(Unint.) 203	(Unint.) 64	(Self-Inf) 1,289	(Self-Inf) 151	(Self-Inf) 533	(Unint.) 96
6	Suffocation	Suffocation	Firearm	Firearm	Suffocation	Suffocation	Firearm	Fire/Burn
	(Self-Inf) 1,834	(Unint.) 1,390	(Self-Inf.) 164	(Self-Inf.) 55	(Unint.) 750	(Self-Inf) 112	(Self-Inf) 346	(Unint.) 70
7	Suffocation	Poison	Fire/Burn	Poison	Poison	Suffocation	Suffocation	Cut/Pierce
	(Unint.) 1,642	(Self-Inf.) 1,202	(Unint.) 159	(Undet.) 35	(Self-Inf) 669	(Unint.) 107	(Self-Inf) 286	(Assault) 36
8	Poisoning	Fire/Burn	Suffocation	Suffocation	Firearm	Cut/Pierce	Fire/Burn	Suffocation
	(Self-Inf) 1,282	(Unint.) 606	(Self-Inf.) 139	(Unint.) 33	(Assault) 340	(Assault) 103	(Unint.) 272	(Self-Inf) 27
9	Fire/Burn	Firearm	Cut/Pierce	Cut/Pierce	Transport	Fire/Burn	Firearm	Suffocation
	(Unint.) 804	(Assault) 526	(Assault) 139	(Assault) 31	(Unint.) 338	(Unint.) 89	(Assault) 186	(Assault) 22
10	Poisoning	Transport	Drowning	Drowning	Fire/Burn	Drowning	Poison	Poison
	(Undet.) 493	(Unint.) 440	(Unint.) 51	(Unint.) 29	(Unint.) 334	(Unint.) 42	(Undet.) 183	(Self-Inf) 16

NOTES: Some causes may be tied by number of events, including ranks 10 and 11 (not shown). For full list of causes included in these tables, see Technical Notes.

LEADING CAUSES OF INJURY DEATH: 2006-2010
PENNSYLVANIA RESIDENTS BY RACE AND AGE GROUP

RANK	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	White	Black	White	Black	White	Black	White	Black	White	Black
1	MVT (Unint.) 782	Firearm (Assault) 384	Poison (Unint.) 2,228	Firearm (Assault) 1,062	Poison (Unint.) 2,606	Poison (Unint.) 427	Poison (Unint.) 1,275	Poison (Unint.) 387	Fall (Unint.) 4,895	Fall (Unint.) 145
2	Poison (Unint.) 193	MVT (Unint.) 90	MVT (Unint.) 1,687	MVT (Unint.) 214	MVT (Unint.) 1,307	Firearm (Assault) 306	MVT (Unint.) 1,042	MVT (Unint.) 78	MVT (Unint.) 1,318	Suffocation (Unint.) 116
3	Suffocation (Self-Inf.) 138	Fire/Burn (Unint.) 52	Firearm (Self-Inf.) 633	Poison (Unint.) 155	Firearm (Self-Inf.) 957	MVT (Unint.) 140	Firearm (Self-Inf.) 1,037	Fall (Unint.) 70	Suffocation (Unint.) 997	MVT (Unint.) 53
4	Firearm (Self-Inf.) 108	Suffocation (Unint.) 49	Suffocation (Self-Inf.) 462	Firearm (Self-Inf.) 72	Suffocation (Self-Inf.) 521	Cut/Pierce (Assault) 45	Fall (Unint.) 519	Firearm (Assault) 64	Firearm (Self-Inf.) 802	Fire/Burn (Unint.) 47
5	Suffocation (Unint.) 97	Suffocation (Self-Inf.) 27	Poison (Self-Inf.) 190	Suffocation (Self-Inf.) 47	Poison (Self-Inf.) 436	Firearm (Self-Inf.) 40	Poison (Self-Inf.) 417	Fire/Burn (Unint.) 27	Poison (Unint.) 252	Poison (Unint.) 40
6	Drowning (Unint.) 90	Drowning (Unint.) 23	Firearm (Assault) 175	Cut/Pierce (Assault) 46	Fall (Unint.) 226	Suffocation (Self-Inf.) 40	Suffocation (Self-Inf.) 342	Firearm (Self-Inf.) 23	Fire/Burn (Unint.) 236	Firearm (Self-Inf.) 14
7	Fire/Burn (Unint.) 83	Cut/Pierce (Assault) 19	Transport (Unint.) 90	Firearm (Other) 20	Poison (Undet.) 196	Fall (Unint.) 29	Suffocation (Unint.) 148	Suffocation (Unint.) 21	Poison (Self-Inf.) 133	Nat/Env. (Unint.) 14
8	Transport (Unint.) 76	Firearm (Self-Inf.) 15	Poison (Undet.) 88	Fire/Burn (Unint.) 19	Firearm (Assault) 163	Poison (Self-Inf.) 24	Fire/Burn (Unint.) 138	Cut/Pierce (Assault) 21	Suffocation (Self-Inf.) 112	Firearm (Assault) 10
9	Firearm (Assault) 46	Poison (Unint.) 13	Fall (Unint.) 68	Poison (Self-Inf.) 11	Suffocation (Unint.) 102	Suffocation (Unint.) 16	Poison (Undet.) 114	Suffocation (Self-Inf.) 18	Transport (Unint.) 100	Cut/Pierce (Assault) 8
10	Fall (Unint.) 28	Suffocation (Assault) 7	Fire/Burn (Unint.) 56	Fall (Unint.) 11	Fire/Burn (Unint.) 93	Suffocation (Assault) 14	Firearm (Assault) 93	Nat/Env. (Unint.) 11	Nat/Env. (Unint.) 96	Suffocation (Self-Inf.) 7

NOTES: Some causes may be tied by number of events, including ranks 10 and 11 (not shown). For full list of causes included in these tables, see Technical Notes.

LEADING CAUSES OF INJURY DEATH: 2005-2009
PENNSYLVANIA RESIDENTS BY INJURY INTENT, BRAIN INJURY, AND GENDER

RANK	INTENT		UNINT.		VIOLENCE		TBI		
	Unint.	Violence	Males	Females	Males	Females	Total	Males	Females
1	Poison (Unint.) 7,893	Firearm (Self-Inf.) 3,782	Poison (Unint.) 5,421	Fall (Unint.) 3,056	Firearm (Self-Inf.) 3,418	Poison (Self-Inf.) 562	Fall (Unint.) 3,459	Firearm (Self-Inf.) 2,804	Fall (Unint.) 1,558
2	MVT (Unint.) 7,065	Firearm (Assault) 2,625	MVT (Unint.) 4,945	Poison (Unint.) 2,472	Firearm (Assault) 2,290	Firearm (Self-Inf.) 364	Firearm (Self-Inf.) 3,084	Fall (Unint.) 1,901	MVT (Unint.) 632
3	Fall (Unint.) 6,102	Suffocation (Self-Inf.) 1,834	Fall (Unint.) 3,046	MVT (Unint.) 2,120	Suffocation (Self-Inf.) 1,493	Suffocation (Self-Inf.) 341	MVT (Unint.) 2,375	MVT (Unint.) 1,743	Firearm (Self-Inf.) 280
4	Suffocation (Unint.) 1,642	Poison (Self-Inf.) 1,282	Suffocation (Unint.) 882	Suffocation (Unint.) 760	Poison (Self-Inf.) 720	Firearm (Assault) 335	Firearm (Assault) 780	Firearm (Assault) 593	Firearm (Assault) 187
5	Fire/Burn (Unint.) 804	Cut/Pierce (Assault) 300	Fire/Burn (Unint.) 443	Fire/Burn (Unint.) 361	Cut/Pierce (Assault) 210	Cut/Pierce (Assault) 90	Transport (Unint.) 184	Transport (Unint.) 141	Transport (Unint.) 43
6	Transport (Unint.) 491	Cut/Pierce (Self-Inf.) 154	Transport (Unint.) 380	Transport (Unint.) 111	Cut/Pierce (Self-Inf.) 121	Suffocation (Assault) 71	Struck By (Unint.) 79	Firearm (Unint.) 72	Poison (Unint.) 14
7	Drowning (Unint.) 448	Fall (Self-Inf.) 126	Drowning (Unint.) 358	Nat/Env. (Unint.) 99	Fall (Self-Inf.) 99	Cut/Pierce (Self-Inf.) 33	Firearm (Unint.) 78	Struck By (Unint.) 68	Struck By (Unint.) 11
8	Nat/Env. (Unint.) 241	Suffocation (Assault) 100	Machinery (Unint.) 167	Drowning (Unint.) 90	Drowning (Self-Inf.) 52	Drowning (Self-Inf.) 30	Poison (Unint.) 46	Machinery (Unint.) 41	Struck By (Assault) 8
9	Machinery (Unint.) 180	Drowning (Self-Inf.) 82	Struck by (Unint.) 152	Struck by (Unint.) 23	Suffocation (Assault) 29	Fall (Self-Inf.) 27	Machinery (Unint.) 42	Poison (Unint.) 32	Cut/Pierce (Assault) 8
10	Struck by (Unint.) 175	Fire/Burn (Self-Inf.) 34	Nat/Env. (Unint.) 142	Machinery (Unint.) 13	Fire/Burn (Self-Inf.) 26	Poison (Assault) 13	Fall (Self-Inf.) 35	Fall (Self-Inf.) 30	Firearm (Undet.) 7

NOTES: Some causes may be tied by number of events, including ranks 10 and 11 (not shown). For full list of causes included in these tables, see Technical Notes.

LEADING CAUSES OF INJURY HOSPITALIZATION

Between 2006 and 2010, the leading causes of injury hospitalization among Pennsylvania residents, unintentional falls, motor vehicle occupant injuries, and self-inflicted poisoning (self-poisoning) and unintentional poisoning accounted for 66 percent of injury hospitalizations.

Overview

Unintentional falls were the leading cause of injury hospitalization for males and females of all ages, races and ethnicities, except for ages 20 to 34.

Unintentional falls accounted for 36 percent of injury hospitalizations among males and 56 percent of injury hospitalizations among females.

The next leading cause varied by race and ethnicity: MVT occupant for whites and Hispanics and unintentional poisoning for blacks.

HIGHLIGHTS

- **Unintentional falls lead among all groups except for ages 20 to 34.**
- **Unintentional falls account for over 46 percent of all injury hospitalizations.**
- **Motor Vehicle Traffic leads among ages 20 to 34.**

Youth Injury Hospitalizations

- MVT occupant was the second leading cause of injury hospitalization among youths under age 20, specifically among white or male youths. (Falls ranked first.)
- Self-poisoning was the third leading cause of injury hospitalization among female youths under age 20, whereas the cause ranked sixth among male youths.
- Assault by firearm was the third leading cause of injury hospitalization among black youths under age 20, whereas the cause did not rank among white youths.

Violence-Related Hospitalizations

- The leading violence-related causes of hospitalization, self-poisoning and assault by personal weapons (such as fists or a blunt object) accounted for 65 percent of violence-related hospitalizations.
- Other leading violence-related causes of hospitalization include self-inflicted cutting (ranked second among females) and assault by firearm (ranked third among males).

Traumatic Brain Injury Hospitalizations

- The leading causes of traumatic brain injury hospitalization were unintentional falls and MVT occupant injury, accounting for 80 percent of traumatic brain injury hospitalizations. Falls were the leading cause of TBI among both males and females.
- The third and fourth leading causes of traumatic brain injury hospitalization for males were assault by personal weapons and motorcycle accidents, respectively.

For a full list of causes included in the rankings, with ICD definitions, see the Technical Notes.

LEADING CAUSES OF INJURY HOSPITALIZATION: 2006-2010
PENNSYLVANIA RESIDENTS BY GENDER OR AGE GROUP

RANK	TOTAL	GENDER		AGE GROUP				
	All Ages	Males	Females	0-19	20-34	35-49	50-64	65+
1	Fall	Fall	Fall	Fall	MVT	Fall	Fall	Fall
	(Unint.) 334,557	(Unint.) 124,502	(Unint.) 210,013	(Unint.) 10,283	(Unint.) 18,241	(Unint.) 23,529	(Unint.) 48,379	(Unint.) 241,419
2	MVT	MVT	MVT	MVT	Poison	MVT	MVT	MVT
	(Unint.) 67,456	(Unint.) 40,853	(Unint.) 26,526	(Unint.) 10,066	(Self-Inf.) 12,992	(Unint.) 14,672	(Unint.) 12,384	(Unint.) 12,093
3	Poison	Poison	Poison	Poison	Fall	Poison	Poison	Poison
	(Self-Inf.) 39,800	(Unint.) 17,919	(Self-Inf.) 23,380	(Self-Inf.) 4,419	(Unint.) 10,947	(Self-Inf.) 14,263	(Unint.) 8,331	(Unint.) 6,778
4	Poison	Poison	Poison	Transport	Poison	Poison	Poison	Nat/Env.
	(Unint.) 33,523	(Self-Inf.) 16,416	(Unint.) 15,603	(Unint.) 4,304	(Unint.) 6,094	(Unint.) 9,463	(Self-Inf.) 6,525	(Unint.) 4,937
5	Nat/Env.	Transport	Nat/Env.	Struck By	Struck By	Poison	Nat/Env.	Overexert.
	(Unint.) 15,743	(Unint.) 10,630	(Unint.) 8,051	(Unint.) 3,710	(Assault) 3,801	(Undet.) 3,969	(Unint.) 3,815	(Unint.) 4,823
6	Struck By	Struck By	Overexert.	Poison	Transport	Nat/Env.	Poison	Suffocation
	(Unint.) 15,439	(Unint.) 10,181	(Unint.) 6,330	(Unint.) 2,857	(Unint.) 3,090	(Unint.) 3,183	(Undet.) 2,622	(Unint.) 4,777
7	Transport	Struck By	Struck By	Nat/Env.	Firearm	Struck By	Overexert.	Struck By
	(Unint.) 14,932	(Assault) 8,309	(Unint.) 5,253	(Unint.) 1,966	(Assault) 3,025	(Assault) 3,170	(Unint.) 2,536	(Unint.) 4,544
8	Overexert.	Nat/Env.	Poison	Fire/Burn	Poison	Transport	Transport	Fire/Burn
	(Unint.) 11,832	(Unint.) 7,690	(Undet.) 4,600	(Unint.) 1,900	(Undet.) 2,724	(Unint.) 3,096	(Unint.) 2,414	(Unint.) 2,046
9	Poison	Poison	Transport	Struck By	Cut/Pierce	Struck By	Struck By	Transport
	(Undet.) 10,714	(Undet.) 6,111	(Unint.) 4,284	(Assault) 1,389	(Self-Inf.) 2,565	(Unint.) 2,464	(Unint.) 2,402	(Unint.) 2,028
10	Struck By	Cut/Pierce	Fire/Burn	Firearm	Struck By	Overexert.	Fire/Burn	Poison
	(Assault) 10,140	(Unint.) 5,696	(Unint.) 3,614	(Assault) 1,250	(Unint.) 2,319	(Unint.) 2,332	(Unint.) 1,919	(Self-Inf.) 1,601

NOTES: Some causes may be tied by number of events, including ranks 10 and 11 (not shown). For full list of causes included in these tables, see Technical Notes.

LEADING CAUSES OF INJURY HOSPITALIZATION: 2006-2010
PENNSYLVANIA RESIDENTS BY GENDER AND AGE GROUP

RANK	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	Fall (Unint.) 6,786	MVT (Unint.) 3,897	MVT (Unint.) 12,020	Poison (Self-Inf.) 7,396	Fall (Unint.) 13,735	Fall (Unint.) 9,787	Fall (Unint.) 23,473	Fall (Unint.) 24,899	Fall (Unint.) 73,853	Fall (Unint.) 167,545
2	MVT (Unint.) 6,159	Fall (Unint.) 3,492	Fall (Unint.) 6,655	MVT (Unint.) 6,203	MVT (Unint.) 9,395	Poison (Self-Inf.) 8,308	MVT (Unint.) 7,590	MVT (Unint.) 4,777	MVT (Unint.) 5,689	MVT (Unint.) 6,393
3	Transport (Unint.) 3,264	Poison (Self-Inf.) 2,955	Poison (Self-Inf.) 5,595	Fall (Unint.) 4,290	Poison (Self-Inf.) 5,953	MVT (Unint.) 5,256	Poison (Unint.) 4,675	Poison (Self-Inf.) 3,714	Poison (Unint.) 2,800	Poison (Unint.) 3,978
4	Struck By (Unint.) 2,923	Poison (Unint.) 1,221	Poison (Unint.) 3,582	Poison (Unint.) 2,512	Poison (Unint.) 5,226	Poison (Unint.) 4,237	Poison (Self-Inf.) 2,810	Poison (Unint.) 3,655	Suffocation (Unint.) 2,344	Overexert. (Unint.) 3,363
5	Poison (Unint.) 1,636	Transport (Unint.) 1,032	Struck By (Assault) 3,125	Cut/Pierce (Self-Inf.) 1,221	Struck By (Assault) 2,576	Poison (Undet.) 1,720	Nat/Env. (Unint.) 1,926	Nat/Env. (Unint.) 1,889	Nat/Env. (Unint.) 2,010	Nat/Env. (Unint.) 2,927
6	Poison (Self-Inf.) 1,464	Nat/Env. (Unint.) 899	Firearm (Assault) 2,826	Poison (Undet.) 1,119	Poison (Undet.) 2,248	Nat/Env. (Unint.) 1,489	Struck By (Unint.) 1,698	Overexert. (Unint.) 1,246	Struck By (Unint.) 1,753	Struck By (Unint.) 2,791
7	Fire/Burn (Unint.) 1,173	Struck By (Unint.) 784	Transport (Unint.) 2,404	Nat/Env. (Unint.) 847	Transport (Unint.) 2,237	Overexert. (Unint.) 925	Poison (Undet.) 1,578	Poison (Undet.) 1,043	Overexert. (Unint.) 1,460	Suffocation (Unint.) 2,432
8	Firearm (Assault) 1,171	Fire/Burn (Unint.) 727	Struck By (Unint.) 1,878	Transport (Unint.) 684	Struck By (Unint.) 1,929	Transport (Unint.) 852	Transport (Unint.) 1,570	Transport (Unint.) 843	Transport (Unint.) 1,155	Fire/Burn (Unint.) 1,049
9	Struck By (Assault) 1,163	Cut/Pierce (Self-Inf.) 645	Poison (Undet.) 1,604	Struck By (Assault) 675	Nat/Env. (Unint.) 1,694	Cut/Pierce (Self-Inf.) 784	Overexert. (Unint.) 1,290	Fire/Burn (Unint.) 727	Fire/Burn (Unint.) 996	Poison (Self-Inf.) 1,007
10	Nat/Env. (Unint.) 1,065	Poison (Undet.) 307	Cut/Pierce (Unint.) 1,438	Overexert. (Unint.) 546	Cut/Pierce (Unint.) 1,547	Fire/Burn (Unint.) 653	Cut/Pierce (Unint.) 1,234	Struck By (Unint.) 704	Cut/Pierce (Unint.) 795	Transport (Unint.) 873

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LEADING CAUSES OF INJURY HOSPITALIZATION: 2006-2010
PENNSYLVANIA RESIDENTS BY RACE OR ETHNICITY AND GENDER

RANK	TOTAL	RACE OR ETHNICITY			MALES		FEMALES	
	All Races	White	Black	Hispanic	White	Black	White	Black
1	Fall (Unint.) 334,557	Fall (Unint.) 292,633	Fall (Unint.) 22,483	Fall (Unint.) 5,702	Fall (Unint.) 105,524	Fall (Unint.) 10,341	Fall (Unint.) 187,069	Fall (Unint.) 12,142
2	MVT (Unint.) 67,456	MVT (Unint.) 51,607	Poison (Unint.) 8,047	MVT (Unint.) 2,600	MVT (Unint.) 31,034	MVT (Unint.) 4,916	MVT (Unint.) 20,501	Poison (Unint.) 3,206
3	Poison (Self-Inf.) 39,800	Poison (Self-Inf.) 31,136	MVT (Unint.) 7,891	Poison (Self-Inf.) 2,033	Poison (Self-Inf.) 12,627	Poison (Unint.) 4,841	Poison (Self-Inf.) 18,506	MVT (Unint.) 2,974
4	Poison (Unint.) 33,523	Poison (Unint.) 22,655	Poison (Self-Inf.) 4,640	Poison (Unint.) 1,332	Poison (Unint.) 11,491	Firearm (Assault) 3,682	Poison (Unint.) 11,164	Poison (Self-Inf.) 2,523
5	Nat/Env. (Unint.) 15,743	Transport (Unint.) 12,782	Firearm (Assault) 3,922	Struck By (Assault) 725	Transport (Unint.) 9,011	Struck By (Assault) 2,927	Nat/Env. (Unint.) 6,557	Nat/Env. (Unint.) 1,006
6	Struck By (Unint.) 15,439	Nat/Env. (Unint.) 12,463	Struck By (Assault) 3,617	Fire/Burn (Unint.) 523	Struck By (Unint.) 7,974	Poison (Self-Inf.) 2,117	Overexert. (Unint.) 5,543	Poison (Undet.) 957
7	Transport (Unint.) 14,932	Struck By (Unint.) 12,415	Poison (Undet.) 2,858	Poison (Undet.) 470	Nat/Env. (Unint.) 5,905	Poison (Undet.) 1,901	Struck By (Unint.) 4,439	Fire/Burn (Unint.) 756
8	Overexert. (Unint.) 11,832	Overexert. (Unint.) 10,032	Nat/Env. (Unint.) 2,217	Struck By (Unint.) 463	Overexert. (Unint.) 4,488	Cut/Pierce (Assault) 1,334	Transport (Unint.) 3,758	Struck By (Assault) 689
9	Poison (Undet.) 10,714	Poison (Undet.) 6,936	Struck By (Unint.) 1,685	Nat/Env. (Unint.) 456	Cut/Pierce (Unint.) 4,261	Nat/Env. (Unint.) 1,211	Poison (Undet.) 3,298	Struck By (Unint.) 499
10	Struck By (Assault) 10,140	Fire/Burn (Unint.) 6,301	Fire/Burn (Unint.) 1,653	Suffocation (Unint.) 418	Struck By (Assault) 4,133	Struck By (Unint.) 1,185	Suffocation (Unint.) 2,811	Overexert. (Unint.) 467

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LEADING CAUSES OF INJURY HOSPITALIZATION: 2006-2010
PENNSYLVANIA RESIDENTS BY RACE AND AGE GROUP

RANK	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	White	Black	White	Black	White	Black	White	Black	White	Black
1	Fall (Unint.) 7,200	Fall (Unint.) 1,640	MVT (Unint.) 13,184	MVT (Unint.) 2,513	Fall (Unint.) 17,917	Fall (Unint.) 3,471	Fall (Unint.) 39,570	Fall (Unint.) 5,555	Fall (Unint.) 220,163	Fall (Unint.) 10,093
2	MVT (Unint.) 6,930	MVT (Unint.) 1,597	Poison (Self-Inf.) 9,965	Firearm (Assault) 2,257	Poison (Self-Inf.) 11,200	Poison (Unint.) 3,108	MVT (Unint.) 9,872	Poison (Unint.) 2,579	MVT (Unint.) 10,487	Poison (Unint.) 895
3	Transport (Unint.) 3,565	Firearm (Assault) 993	Fall (Unint.) 7,783	Fall (Unint.) 1,724	MVT (Unint.) 11,134	MVT (Unint.) 1,809	Poison (Self-Inf.) 5,328	MVT (Unint.) 1,305	Poison (Unint.) 5,497	MVT (Unint.) 667
4	Poison (Self-Inf.) 3,208	Struck By (Unint.) 612	Poison (Unint.) 4,528	Poison (Self-Inf.) 1,522	Poison (Unint.) 5,594	Poison (Self-Inf.) 1,807	Poison (Unint.) 5,221	Poison (Undet.) 976	Overexert. (Unint.) 4,481	Nat/Env. (Unint.) 591
5	Struck By (Unint.) 2,706	Struck By (Assault) 582	Transport (Unint.) 2,600	Struck By (Assault) 1,140	Transport (Unint.) 2,663	Poison (Undet.) 1,298	Nat/Env. (Unint.) 3,064	Poison (Self-Inf.) 700	Struck By (Unint.) 4,156	Suffocation (Unint.) 354
6	Poison (Unint.) 1,815	Poison (Unint.) 579	Cut/Pierce (Self-Inf.) 2,112	Poison (Unint.) 886	Nat/Env. (Unint.) 2,508	Struck By (Assault) 1,270	Overexert. (Unint.) 2,136	Struck By (Assault) 545	Nat/Env. (Unint.) 4,107	Fire/Burn (Unint.) 247
7	Nat/Env. (Unint.) 1,357	Poison (Self-Inf.) 541	Poison (Undet.) 2,089	Cut/Pierce (Assault) 694	Poison (Undet.) 2,327	Firearm (Assault) 524	Transport (Unint.) 2,103	Nat/Env. (Unint.) 539	Suffocation (Unint.) 4,012	Struck By (Unint.) 180
8	Fire/Burn (Unint.) 947	Fire/Burn (Unint.) 492	Struck By (Assault) 2,047	Poison (Undet.) 369	Struck By (Unint.) 1,901	Cut/Pierce (Assault) 488	Struck By (Unint.) 1,979	Fire/Burn (Unint.) 359	Transport (Unint.) 1,851	Overexert. (Unint.) 174
9	Cut/Pierce (Self-Inf.) 865	Nat/Env. (Unint.) 379	Struck By (Unint.) 1,673	Firearm (Unint.) 350	Overexert. (Unint.) 1,852	Nat/Env. (Unint.) 461	Poison (Undet.) 1,461	Struck By (Unint.) 248	Fire/Burn (Unint.) 1,649	Poison (Undet.) 132
10	Cut/Pierce (Unint.) 614	Transport (Unint.) 306	Nat/Env. (Unint.) 1,427	Struck By (Unint.) 320	Cut/Pierce (Unint.) 1,500	Fire/Burn (Unint.) 343	Fire/Burn (Unint.) 1,355	Overexert. (Unint.) 243	Poison (Self-Inf.) 1,435	Cut/Pierce (Unint.) 86

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LEADING CAUSES OF INJURY HOSPITALIZATION: 2006-2010
PENNSYLVANIA RESIDENTS BY INJURY INTENT, BRAIN INJURY, AND GENDER

RANK	INTENT		UNINT.		VIOLENCE		TBI		
	Unint.	Violence	Males	Females	Males	Females	Total	Males	Females
1	Fall (Unint.) 334,557	Poison (Self-Inf.) 39,800	Fall (Unint.) 124,502	Fall (Unint.) 210,013	Poison (Self-Inf.) 16,416	Poison (Self-Inf.) 23,380	Fall (Unint.) 45,020	Fall (Unint.) 22,196	Fall (Unint.) 22,793
2	MVT (Unint.) 67,456	Struck By (Assault) 10,140	MVT (Unint.) 40,853	MVT (Unint.) 26,526	Struck By (Assault) 8,309	Cut/Pierce (Self-Inf.) 2,983	MVT (Unint.) 25,705	MVT (Unint.) 16,353	MVT (Unint.) 9,313
3	Poison (Unint.) 33,523	Cut/Pierce (Self-Inf.) 5,979	Poison (Unint.) 17,919	Poison (Unint.) 15,603	Firearm (Assault) 4,925	Struck By (Assault) 1,828	Transport (Unint.) 4,257	Struck By (Assault) 3,505	Transport (Unint.) 1,090
4	Nat/Env. (Unint.) 15,743	Firearm (Assault) 5,306	Transport (Unint.) 10,630	Nat/Env. (Unint.) 8,051	Cut/Pierce (Self-Inf.) 2,993	Cut/Pierce (Assault) 445	Struck By (Assault) 4,017	Transport (Unint.) 3,157	Struck By (Unint.) 737
5	Struck By (Unint.) 15,439	Cut/Pierce (Assault) 3,317	Struck By (Unint.) 10,181	Overexert. (Unint.) 6,330	Cut/Pierce (Assault) 2,868	Firearm (Assault) 379	Struck By (Unint.) 2,535	Struck By (Unint.) 1,796	Struck By (Assault) 511
6	Transport (Unint.) 14,932	Suffocation (Self-Inf.) 693	Nat/Env. (Unint.) 7,690	Struck By (Unint.) 5,253	Suffocation (Self-Inf.) 480	Suffocation (Self-Inf.) 212	Firearm (Assault) 438	Firearm (Assault) 384	Nat/Env. (Unint.) 80
7	Overexert. (Unint.) 11,832	Firearm (Self-Inf.) 442	Cut/Pierce (Unint.) 5,696	Transport (Unint.) 4,284	Firearm (Self-Inf.) 379	Fall (Self-Inf.) 131	Firearm (Self-Inf.) 229	Firearm (Self-Inf.) 205	Firearm (Assault) 54
8	Fire/Burn (Unint.) 9,264	Fall (Self-Inf.) 376	Fire/Burn (Unint.) 5,648	Fire/Burn (Unint.) 3,614	Fall (Self-Inf.) 245	Fire/Burn (Self-Inf.) 116	Nat/Env. (Unint.) 204	Machinery (Unint.) 187	Poison (Unint.) 47
9	Cut/Pierce (Unint.) 7,801	Fire/Burn (Self-Inf.) 208	Overexert. (Unint.) 5,501	Suffocation (Unint.) 3,498	Fire/Burn (Self-Inf.) 92	Firearm (Self-Inf.) 62	Machinery (Unint.) 201	Cut/Pierce (Assault) 152	Poison (Self-Inf.) 33
10	Suffocation (Unint.) 7,260	MVT (Self-Inf.) 102	Suffocation (Unint.) 3,760	Cut/Pierce (Unint.) 2,105	MVT (Self-Inf.) 59	MVT (Self-Inf.) 43	Cut/Pierce (Assault) 179	Nat/Env. (Unint.) 122	Cut/Pierce (Assault) 27

NOTES: Some causes may be tied by number of events, including ranks 10 and 11 (not shown). For full list of causes included in these tables, see Technical Notes.

INJURY HOSPITALIZATIONS: TREATMENT CHARGES

In 2010, among Pennsylvania residents, there were 141,962 hospitalizations due to injury. Total treatment charges for these injuries exceeded \$7.63 billion.

Overview

Treatment charges are from hospital billing data. Note: these figures may be greater than amounts actually paid by insurance providers.

Mean charges are not shown because treatment charges are highly skewed. Median charges are more reflective of typical costs.

Treatment charges generally increase over time. Median charges for injury hospitalizations overall have increased by 40 percent from 2006 to 2010.

HIGHLIGHTS

- *Total treatment charges for unintentional falls exceeded **\$3.28 billion** in 2010.*
- *The median charges were highest for **assault by hot object**.*
- *Insurance coverage differed among MVT accidents, falls and firearm-related injuries.*

Total Injury Cost Burden

- In 2010, unintentional falls hospitalizations accounted for over \$3.28 billion in total charges, or 43 percent of the total charges for all injury hospitalizations.
- Unintentional MVT injury hospitalizations accounted for \$1.06 billion in total charges.
- Other large cost burdens included poisoning hospitalizations (with about \$540 million in total charges) and assault injury hospitalizations (with \$431 million in total charges).

Highest Median Charges

- Hospitalizations for assault by hot object had the highest median treatment charges of any major injury. At \$102,843, median charges for assault by hot object were over two and a half times greater than median charges for injury hospitalizations overall (\$28,822).
- Among hospitalizations due to MVT accidents, pedestrians and motorcyclists had higher median treatment charges than motor vehicle occupants.
- Generally, hospitalizations involving traumatic brain injury (TBI) generally showed higher median treatment charges than other hospitalizations by the same external cause.

Charges by Primary Payor

- Medicare was the primary payor on most unintentional falls hospitalizations. In 2010, Medicare was billed over \$2.37 billion dollars to treat falls (72 percent of the total).
- Medicaid was typically the primary payor on poisoning hospitalizations. In 2010, Medicaid was billed about \$200 million to treat poisonings (37 percent of the total).
- Commercial providers were the primary payor on most MVT hospitalizations. In 2010, these plans were over billed \$831 million to treat MVT injuries (78 percent of the total).

SUMMARY TABLE: HOSPITALIZATION CHARGES

TOTAL NUMBER, CHARGES, MEDIAN CHARGES AND PRIMARY PAYOR BY MECHANISM AND BRAIN INJURY, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	All Injury Hospitalizations			Primary Payor			Injuries <i>with</i> TBI			Injuries <i>without</i> TBI		
	No.	Sum	Median	Medicare	Medicaid	Commercial	No.	Sum	Median	No.	Sum	Median
Fall	67,107	\$3,289,497,976	\$30,265	72%	7%	17%	9,583	\$609,521,851	\$34,644	57,524	\$2,679,976,125	\$29,673
→ <i>On same level</i>	19,667	\$874,937,510	\$30,261	73%	5%	18%	1,825	\$89,567,400	\$29,322	17,842	\$785,370,110	\$30,341
→ <i>One level to another</i>	16,218	\$912,713,226	\$32,159	59%	11%	24%	3,207	\$242,111,009	\$38,575	13,011	\$670,602,217	\$30,803
→ <i>Unspecified</i>	31,222	\$1,501,847,240	\$29,277	78%	6%	12%	4,551	\$277,843,441	\$34,538	26,671	\$1,224,003,798	\$28,579
Poisoning	16,435	\$539,720,634	\$15,766	25%	37%	27%	49	\$3,170,747	\$28,410	16,386	\$536,549,887	\$15,733
→ <i>Drug</i>	14,939	\$485,960,532	\$15,737	26%	38%	27%	42	\$2,965,103	\$27,050	14,897	\$482,995,429	\$15,701
→ <i>Non-Drug</i>	1,496	\$53,760,102	\$16,247	22%	34%	30%	7	\$205,644	\$28,410	1,489	\$53,554,458	\$16,167
Motor Vehicle Traffic	11,891	\$1,065,580,649	\$42,439	5%	11%	78%	4,269	\$435,959,538	\$45,157	7,622	\$629,621,111	\$40,975
→ <i>MVT Occupant</i>	7,867	\$636,733,570	\$39,927	3%	7%	84%	2,916	\$251,068,130	\$41,601	4,951	\$385,665,440	\$38,874
→ <i>MVT Motorcyclist</i>	1,716	\$191,963,783	\$51,131	5%	18%	68%	583	\$82,321,093	\$59,325	1,133	\$109,642,690	\$47,064
→ <i>MVT Pedal Cyclist</i>	283	\$26,457,632	\$43,135	3%	30%	57%	111	\$13,964,426	\$41,302	172	\$12,493,205	\$44,028
→ <i>MVT Pedestrian</i>	1,289	\$145,115,825	\$50,073	8%	24%	60%	495	\$67,950,716	\$57,613	794	\$77,165,109	\$45,979
→ <i>MVT Other</i>	75	\$6,728,776	\$36,559	5%	18%	68%	29	\$3,717,131	\$44,282	46	\$3,011,645	\$31,780
→ <i>MVT Unspecified</i>	661	\$58,581,063	\$44,213	15%	10%	70%	135	\$16,938,042	\$53,988	526	\$41,643,022	\$42,354
Other Transport	2,752	\$156,002,455	\$30,317	13%	18%	58%	788	\$54,553,939	\$32,741	1,964	\$101,448,516	\$29,531
→ <i>Pedal Cyclist</i>	785	\$34,354,890	\$27,623	9%	21%	59%	270	\$14,390,121	\$28,411	515	\$19,964,768	\$27,539
→ <i>Pedestrian</i>	111	\$7,774,571	\$33,290	12%	23%	56%	23	\$2,187,118	\$30,909	88	\$5,587,453	\$34,966
Firearm	1,492	\$216,254,448	\$71,419	4%	61%	17%	173	\$29,440,971	\$72,701	1,319	\$186,813,477	\$71,176
Drowning	75	\$6,980,536	\$26,611	14%	33%	44%	4	\$927,535	\$35,497	71	\$6,053,001	\$26,294
Suffocation	1,754	\$196,689,348	\$45,093	66%	12%	18%	11	\$2,308,141	\$58,986	1,743	\$194,381,207	\$45,092
Fire/Flames	836	\$106,364,855	\$38,512	28%	32%	31%	10	\$1,038,410	\$46,523	826	\$105,326,446	\$38,054
Hot Object/Scald	1,093	\$79,458,428	\$28,190	25%	32%	36%	2	\$311,102	\$155,551	1,091	\$79,147,326	\$27,933
Cut/Pierce	3,191	\$115,842,048	\$18,792	16%	35%	35%	40	\$3,449,650	\$39,773	3,151	\$112,392,398	\$18,582
Struck By/Against	4,922	\$217,468,103	\$26,789	25%	29%	34%	1,178	\$68,488,840	\$31,373	3,744	\$148,979,264	\$25,548
Machinery	584	\$35,714,026	\$28,097	17%	8%	66%	34	\$2,046,782	\$37,359	550	\$33,667,244	\$27,344
Overexertion	1,985	\$63,323,582	\$21,196	45%	12%	38%	5	\$234,440	\$22,907	1,980	\$63,089,142	\$21,186
Nat./Env. Causes	3,325	\$108,785,389	\$15,890	37%	20%	35%	44	\$2,248,355	\$27,795	3,281	\$106,537,035	\$15,686
→ <i>Bites and Stings</i>	2,039	\$42,360,516	\$12,776	28%	21%	42%	8	\$367,257	\$25,193	2,031	\$41,993,259	\$12,740
Other Spec./NEC	12,116	\$750,073,339	\$30,853	47%	20%	28%	285	\$27,329,510	\$36,377	11,831	\$722,743,829	\$30,676
Unspecified	12,404	\$685,750,066	\$31,363	58%	14%	23%	556	\$52,218,518	\$47,071	11,848	\$633,531,548	\$30,874
Total: All Mechanisms	141,962	\$7,633,505,885	\$28,822	51%	16%	28%	17,031	\$1,293,248,328	\$37,421	124,931	\$6,340,257,557	\$27,709

NOTES: Percentages indicate provider's share of total charges, not total number of hospitalizations. Charges are skewed right. Not all payors shown. See Technical Notes.

SUMMARY TABLE: HOSPITALIZATION CHARGES

TOTAL NUMBER, CHARGES AND MEDIAN CHARGES BY MECHANISM AND INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Unintentional Injury			Self-Inflicted Injury			Assault Injury			Undetermined Injury		
	No.	Sum	Median	No.	Sum	Median	No.	Sum	Median	No.	Sum	Median
Fall	67,061	\$3,282,312,293	\$30,259	64	\$6,178,234	\$39,175	11	\$2,370,477	\$65,323	35	\$2,487,544	\$35,380
→ <i>On same level</i>	31,247	\$1,503,982,065	\$29,288	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ <i>One level to another</i>	19,693	\$876,056,154	\$30,256	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ <i>Unspecified</i>	16,121	\$902,274,074	\$32,121	64	\$6,178,234	\$39,175	11	\$2,370,477	\$65,323	35	\$2,487,544	\$35,380
Poisoning	6,595	\$252,452,845	\$18,344	7,527	\$195,042,992	\$13,240	8	\$310,097	\$21,216	2,313	\$91,645,007	\$19,024
→ <i>Drug</i>	5,715	\$225,671,581	\$18,867	7,186	\$183,113,778	\$13,089	6	\$246,947	\$10,992	2,039	\$77,087,698	\$19,147
→ <i>Non-Drug</i>	880	\$26,781,263	\$14,817	341	\$11,929,214	\$17,912	2	\$63,149	\$31,575	274	\$14,557,309	\$18,209
Motor Vehicle Traffic	11,857	\$1,061,879,711	\$42,422	25	\$2,522,601	\$41,989	8	\$874,758	\$38,623	4	\$421,104	\$94,527
→ <i>MVT Occupant</i>	7,832	\$632,963,619	\$39,897	25	\$2,522,601	\$41,989	8	\$874,758	\$38,623	4	\$421,104	\$94,527
→ <i>MVT Motorcyclist</i>	1,717	\$192,032,796	\$51,140	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ <i>MVT Pedal Cyclist</i>	283	\$26,457,632	\$43,135	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ <i>MVT Pedestrian</i>	1,289	\$145,115,825	\$50,073	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ <i>MVT Other</i>	75	\$6,728,776	\$36,559	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ <i>MVT Unspecified</i>	661	\$58,581,063	\$44,213	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
Other Transport	2,753	\$156,016,096	\$30,287	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ <i>Pedal Cyclist</i>	785	\$34,354,890	\$27,623	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ <i>Pedestrian</i>	111	\$7,774,571	\$33,290	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
Firearm	303	\$30,134,395	\$44,375	92	\$11,213,342	\$58,835	999	\$164,493,836	\$87,480	78	\$6,758,506	\$58,797
Drowning	68	\$6,800,458	\$26,453	5	\$129,910	\$27,832	0	\$0	\$0	2	\$50,168	\$25,084
Suffocation	1,614	\$190,143,551	\$47,593	131	\$6,417,176	\$27,154	9	\$303,502	\$26,288	2	\$134,050	\$67,025
Fire/Flames	769	\$98,508,604	\$40,292	35	\$5,053,840	\$15,496	8	\$1,013,004	\$50,068	25	\$1,849,776	\$25,243
Hot Object/Scald	1,072	\$76,240,404	\$27,221	5	\$390,300	\$78,890	14	\$2,631,097	\$102,843	2	\$196,627	\$98,314
Cut/Pierce	1,388	\$40,800,170	\$18,442	1,140	\$27,057,677	\$10,753	639	\$47,246,594	\$40,049	23	\$760,754	\$10,851
Struck By/Against	2,926	\$107,345,581	\$22,804	0	\$0	\$0	1,936	\$107,526,636	\$34,603	0	\$0	\$0
Machinery	585	\$35,721,216	\$28,033	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
Overexertion	1,985	\$63,323,582	\$21,196	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
Nat/Env. Causes	3,265	\$104,926,847	\$15,686	5	\$178,641	\$21,814	0	\$0	\$0	59	\$3,788,975	\$33,705
→ <i>Bites and Stings</i>	2,041	\$42,392,247	\$12,776	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
Other Spec./NEC	10,335	\$642,436,342	\$30,680	305	\$19,750,743	\$25,632	991	\$62,908,669	\$35,055	407	\$22,206,328	\$29,799
Unspecified	11,325	\$603,488,448	\$30,918	49	\$1,749,556	\$9,149	566	\$41,405,135	\$40,484	472	\$39,853,166	\$35,373
Total: All Mechanisms	123,901	\$6,752,530,543	\$29,900	9,383	\$275,685,012	\$13,534	5,189	\$431,083,805	\$40,473	3,422	\$170,152,004	\$22,318

NOTES: Amounts indicate treatment charges from hospital billing data, not amounts actually paid. Charges are skewed right. See Technical Notes.

INJURY HOSPITALIZATION RATES: PENNSYLVANIA

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate																
Fall	438	60.0	351	46.6	391	49.4	540	59.7	698	79.8	758	97.0	787	107.9	943	123.4	1,405	165.0
→ On same level	52	7.1	65	8.6	176	22.2	196	21.7	179	20.5	203	26.0	185	25.4	252	33.0	338	39.7
→ One level to another	301	41.3	226	30.0	130	16.4	188	20.8	286	32.7	316	40.4	337	46.2	366	47.9	561	65.9
→ Unspecified	85	11.7	60	8.0	85	10.7	156	17.2	233	26.7	239	30.6	265	36.3	325	42.5	506	59.4
Poisoning	179	24.5	37	4.9	127	16.1	1,015	112.1	1,491	170.6	1,501	192.1	1,242	170.2	1,301	170.2	1,686	198.0
→ Drug	132	18.1	25	3.3	113	14.3	930	102.8	1,395	159.6	1,413	180.8	1,163	159.4	1,212	158.6	1,549	181.9
→ Non-Drug	47	6.4	12	1.6	14	1.8	85	9.4	96	11.0	88	11.3	79	10.8	89	11.6	137	16.1
Motor Vehicle Traffic	102	14.0	179	23.8	238	30.1	1,005	111.0	1,424	162.9	1,013	129.6	792	108.6	740	96.8	799	93.8
→ MVT Occupant	49	6.7	79	10.5	87	11.0	750	82.9	1,029	117.7	650	83.2	495	67.8	450	58.9	466	54.7
→ MVT Motorcyclist	0	NSR	3	NSR	17	2.1	69	7.6	177	20.2	184	23.5	149	20.4	151	19.8	192	22.6
→ MVT Pedal Cyclist	4	0.5	17	2.3	32	4.0	41	4.5	30	3.4	29	3.7	18	2.5	17	2.2	15	1.8
→ MVT Pedestrian	44	6.0	77	10.2	95	12.0	98	10.8	111	12.7	89	11.4	81	11.1	67	8.8	73	8.6
→ MVT Other	5	NSR	2	0.3	6	NSR	4	NSR	5	NSR	5	0.6	6	NSR	9	NSR	7	NSR
→ MVT Unspecified	0	NSR	1	NSR	1	NSR	43	4.8	72	8.2	56	7.2	43	5.9	46	6.0	46	5.4
Other Transport	38	5.2	117	15.5	236	29.8	315	34.8	243	27.8	181	23.2	133	18.2	147	19.2	199	23.4
→ Pedal Cyclist	14	1.9	66	8.8	127	16.1	74	8.2	53	6.1	32	4.1	24	3.3	41	5.4	49	5.8
→ Pedestrian	8	1.1	8	NSR	6	NSR	5	NSR	4	NSR	5	NSR	12	1.6	3	NSR	10	1.2
Firearm	4	NSR	4	NSR	15	1.9	287	31.7	405	46.3	268	34.3	156	21.4	111	14.5	64	7.5
Drowning	23	3.2	5	NSR	3	NSR	2	NSR	3	NSR	0	NSR	5	NSR	3	NSR	2	NSR
Suffocation	23	3.2	2	NSR	8	NSR	22	2.4	55	6.3	28	3.6	32	4.4	31	4.1	50	5.9
Fire/Flames	23	3.2	18	2.4	10	1.3	49	5.4	61	7.0	38	4.9	63	8.6	47	6.1	70	8.2
Hot Object/Scald	196	26.9	35	4.6	21	2.7	39	4.3	54	6.2	53	6.8	52	7.1	55	7.2	66	7.8
Cut/Pierce	25	3.4	35	4.6	85	10.7	326	36.0	452	51.7	384	49.1	312	42.8	255	33.4	252	29.6
Struck By/Against	66	9.0	79	10.5	242	30.6	499	55.1	442	50.6	439	56.2	333	45.6	307	40.2	346	40.6
Machinery	7	NSR	6	NSR	7	NSR	22	2.4	37	4.2	37	4.7	40	5.5	37	4.8	61	7.2
Overexertion	7	NSR	5	NSR	30	3.8	72	8.0	71	8.1	76	9.7	89	12.2	92	12.0	120	14.1
Nat/Env. Causes	118	16.2	80	10.6	79	10.0	95	10.5	122	14.0	120	15.4	114	15.6	156	20.4	186	21.8
→ Bites and Stings	96	13.2	67	8.9	56	7.1	65	7.2	82	9.4	84	10.7	84	11.5	117	15.3	133	15.6
Other Spec./NEC	208	28.5	96	12.7	157	19.8	384	42.4	607	69.4	584	74.7	612	83.9	624	81.6	791	92.9
Unspecified	65	8.9	26	3.4	56	7.1	201	22.2	347	39.7	366	46.8	332	45.5	396	51.8	516	60.6
Total: All Mechanisms	1,522	208.6	1,074	142.5	1,704	215.4	4,868	537.9	6,508	744.5	5,842	747.5	5,091	697.8	5,244	686.1	6,612	776.6

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: PENNSYLVANIA

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	1,405	147.0	2,182	221.6	3,041	345.9	3,423	460.5	4,106	742.5	4,191	982.6	5,129	1,415.6	7,419	2,379.7	10,869	3,555.7
→ On same level	338	35.4	516	52.4	759	86.3	964	129.7	1,180	213.4	1,235	289.5	1,550	427.8	2,321	744.5	3,376	1,104.4
→ One level to another	561	58.7	833	84.6	1,089	123.9	1,070	144.0	1,184	214.1	1,123	263.3	1,199	330.9	1,576	505.5	2,019	660.5
→ Unspecified	506	52.9	833	84.6	1,193	135.7	1,389	186.9	1,742	315.0	1,833	429.7	2,380	656.9	3,522	1,129.7	5,474	1,790.8
Poisoning	1,686	176.4	2,027	205.9	1,836	208.9	1,263	169.9	873	157.9	514	120.5	403	111.2	329	105.5	319	104.4
→ Drug	1,549	162.1	1,847	187.6	1,636	186.1	1,133	152.4	753	136.2	454	106.4	358	98.8	288	92.4	282	92.3
→ Non-Drug	137	14.3	180	18.3	200	22.8	130	17.5	120	21.7	60	14.1	45	12.4	41	13.2	37	12.1
Motor Vehicle Traffic	799	83.6	999	101.5	890	101.2	813	109.4	661	119.5	491	115.1	431	119.0	483	154.9	426	139.4
→ MVT Occupant	466	48.8	575	58.4	515	58.6	535	72.0	438	79.2	335	78.5	338	93.3	413	132.5	347	113.5
→ MVT Motorcyclist	192	20.1	239	24.3	219	24.9	156	21.0	89	16.1	43	10.1	20	5.5	7	NSR	1	NSR
→ MVT Pedal Cyclist	15	1.6	23	2.3	19	2.2	17	2.3	10	1.8	7	NSR	1	NSR	0	NSR	2	NSR
→ MVT Pedestrian	73	7.6	95	9.6	97	11.0	61	8.2	67	12.1	71	16.6	44	12.1	29	9.3	45	14.7
→ MVT Other	7	NSR	3	NSR	1	NSR	4	NSR	7	NSR	2	NSR	2	NSR	1	NSR	1	NSR
→ MVT Unspecified	46	4.8	64	6.5	39	4.4	40	5.4	50	9.0	33	7.7	26	7.2	33	10.6	30	9.8
Other Transport	199	20.8	208	21.1	208	23.7	162	21.8	138	25.0	109	25.6	84	23.2	74	23.7	78	25.5
→ Pedal Cyclist	49	5.1	67	6.8	65	7.4	54	7.3	43	7.8	31	7.3	23	6.3	14	4.5	5	NSR
→ Pedestrian	10	1.0	8	NSR	3	NSR	6	NSR	9	NSR	5	NSR	5	NSR	2	NSR	4	NSR
Firearm	64	6.7	50	5.1	47	5.3	32	4.3	14	2.5	10	2.3	5	NSR	2	NSR	4	NSR
Drowning	2	NSR	7	NSR	1	NSR	5	NSR	2	NSR	5	NSR	2	NSR	1	NSR	1	NSR
Suffocation	50	5.2	90	9.1	95	10.8	121	16.3	159	28.8	140	32.8	199	54.9	168	53.9	214	70.0
Fire/Flames	70	7.3	68	6.9	72	8.2	80	10.8	55	9.9	44	10.3	27	7.5	34	10.9	42	13.7
Hot Object/Scald	66	6.9	98	10.0	99	11.3	65	8.7	57	10.3	47	11.0	35	9.7	33	10.6	52	17.0
Cut/Pierce	252	26.4	268	27.2	240	27.3	183	24.6	110	19.9	75	17.6	62	17.1	47	15.1	37	12.1
Struck By/Against	346	36.2	360	36.6	369	42.0	233	31.3	182	32.9	164	38.4	151	41.7	172	55.2	204	66.7
Machinery	61	6.4	58	5.9	57	6.5	53	7.1	56	10.1	35	8.2	29	8.0	18	5.8	17	5.6
Overexertion	120	12.6	139	14.1	172	19.6	130	17.5	140	25.3	124	29.1	156	43.1	170	54.5	174	56.9
Nat/Env. Causes	186	19.5	311	31.6	298	33.9	289	38.9	255	46.1	246	57.7	156	43.1	210	67.4	208	68.0
→ Bites and Stings	133	13.9	219	22.2	188	21.4	184	24.8	156	28.2	146	34.2	91	25.1	99	31.8	90	29.4
Other Spec./NEC	791	82.8	987	100.2	1,012	115.1	966	130.0	768	138.9	770	180.5	714	197.1	761	244.1	871	284.9
Unspecified	516	54.0	746	75.8	917	104.3	927	124.7	957	173.1	944	221.3	970	267.7	1,196	383.6	1,371	448.5
Total: All Mechanisms	8,592	899.0	9,352	949.8	8,744	994.7	8,530	1,147.6	7,907	1,429.8	8,552	2,005.0	11,117	3,068.2	14,883	4,773.8	25,891	8,470.1

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	285	76.4	209	54.4	273	67.4	370	80.0	448	101.4	452	115.1	449	123.1	540	142.0	818	194.0
→ On same level	40	10.7	37	9.6	121	29.9	147	31.8	112	25.3	101	25.7	96	26.3	120	31.6	161	38.2
→ One level to another	188	50.4	134	34.9	92	22.7	123	26.6	202	45.7	213	54.3	212	58.1	236	62.1	373	88.5
→ Unspecified	57	15.3	38	9.9	60	14.8	100	21.6	134	30.3	138	35.2	141	38.7	184	48.4	284	67.3
Poisoning	93	24.9	23	6.0	50	12.3	428	92.5	718	162.5	731	186.2	621	170.3	596	156.8	842	199.7
→ Drug	67	18.0	15	3.9	40	9.9	381	82.4	657	148.7	675	171.9	568	155.8	540	142.0	761	180.5
→ Non-Drug	26	7.0	8	NSR	10	2.5	47	10.2	61	13.8	56	14.3	53	14.5	56	14.7	81	19.2
Motor Vehicle Traffic	55	14.7	109	28.4	142	35.0	594	128.4	943	213.4	646	164.6	526	144.2	463	121.8	526	124.7
→ MVT Occupant	24	6.4	40	10.4	37	9.1	427	92.3	630	142.6	360	91.7	294	80.6	239	62.9	276	65.5
→ MVT Motorcyclist	0	NSR	2	NSR	15	3.7	57	12.3	163	36.9	167	42.5	134	36.7	130	34.2	159	37.7
→ MVT Pedal Cyclist	2	NSR	11	2.9	25	6.2	37	8.0	27	6.1	25	6.4	14	3.8	17	4.5	14	3.3
→ MVT Pedestrian	27	7.2	54	14.0	58	14.3	45	9.7	75	17.0	55	14.0	55	15.1	46	12.1	45	10.7
→ MVT Other	2	NSR	1	NSR	6	NSR	4	NSR	5	1.1	4	NSR	6	NSR	6	NSR	3	NSR
→ MVT Unspecified	0	NSR	1	NSR	1	NSR	24	5.2	43	9.7	35	8.9	23	6.3	25	6.6	29	6.9
Other Transport	24	6.4	73	19.0	186	45.9	250	54.1	193	43.7	140	35.7	93	25.5	111	29.2	143	33.9
→ Pedal Cyclist	8	NSR	45	11.7	104	25.7	68	14.7	38	8.6	26	6.6	17	4.7	37	9.7	40	9.5
→ Pedestrian	4	NSR	4	NSR	4	NSR	2	NSR	4	NSR	3	NSR	7	NSR	1	NSR	7	NSR
Firearm	3	NSR	2	NSR	13	3.2	267	57.7	379	85.8	246	62.7	149	40.9	102	26.8	58	13.8
Drowning	15	4.0	3	NSR	2	NSR	1	NSR	3	NSR	0	NSR	3	NSR	3	NSR	2	NSR
Suffocation	14	3.8	1	NSR	6	NSR	12	2.6	39	8.8	15	3.8	23	6.3	19	5.0	18	4.3
Fire/Flames	14	3.8	9	NSR	8	NSR	39	8.4	49	11.1	29	7.4	43	11.8	28	7.4	48	11.4
Hot Object/Scald	117	31.3	23	6.0	8	NSR	26	5.6	29	6.6	39	9.9	35	9.6	40	10.5	39	9.2
Cut/Pierce	16	4.3	19	4.9	31	7.7	197	42.6	313	70.8	271	69.0	228	62.5	173	45.5	168	39.8
Struck By/Against	35	9.4	54	14.0	192	47.4	425	91.9	383	86.7	367	93.5	277	76.0	258	67.9	278	65.9
Machinery	3	NSR	5	NSR	5	NSR	21	4.5	35	7.9	32	8.2	37	10.1	35	9.2	49	11.6
Overexertion	5	NSR	2	NSR	17	4.2	43	9.3	46	10.4	47	12.0	57	15.6	59	15.5	70	16.6
Nat/Env. Causes	56	15.0	48	12.5	42	10.4	48	10.4	65	14.7	59	15.0	63	17.3	86	22.6	102	24.2
→ Bites and Stings	43	11.5	37	9.6	27	6.7	26	5.6	40	9.1	35	8.9	45	12.3	57	15.0	63	14.9
Other Spec./NEC	118	31.6	60	15.6	115	28.4	258	55.8	419	94.8	405	103.2	436	119.6	432	113.6	524	124.3
Unspecified	44	11.8	18	4.7	31	7.7	138	29.8	226	51.1	240	61.1	205	56.2	262	68.9	298	70.7
Total: All Mechanisms	897	240.3	658	171.2	1,121	276.6	3,117	674.0	4,288	970.4	3,719	947.3	3,245	889.8	3,207	843.6	3,983	944.5

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate																
Fall	1,220	259.3	1,616	333.7	1,700	395.2	1,887	527.1	1,767	683.2	2,030	1,056.3	2,615	1,699.3	3,419	2,827.2	5,181	5,431.0
→ On same level	249	52.9	325	67.1	428	99.5	434	121.2	444	171.7	538	279.9	721	468.5	956	790.5	1,430	1,499.0
→ One level to another	528	112.2	657	135.7	607	141.1	632	176.5	524	202.6	496	258.1	598	388.6	697	576.4	942	987.5
→ Unspecified	443	94.1	634	130.9	665	154.6	821	229.3	799	308.9	996	518.2	1,296	842.2	1,766	1,460.3	2,809	2,944.6
Poisoning	1,035	220.0	948	195.8	638	148.3	422	117.9	219	84.7	166	86.4	124	80.6	142	117.4	117	122.6
→ Drug	921	195.7	814	168.1	551	128.1	341	95.2	186	71.9	139	72.3	101	65.6	123	101.7	99	103.8
→ Non-Drug	114	24.2	134	27.7	87	20.2	81	22.6	33	12.8	27	14.0	23	14.9	19	15.7	18	18.9
Motor Vehicle Traffic	663	140.9	588	121.4	506	117.6	368	102.8	245	94.7	222	115.5	231	150.1	181	149.7	168	176.1
→ MVT Occupant	337	71.6	286	59.1	289	67.2	224	62.6	149	57.6	166	86.4	190	123.5	148	122.4	133	139.4
→ MVT Motorcyclist	197	41.9	197	40.7	138	32.1	79	22.1	41	15.9	18	9.4	7	NSR	0	NSR	0	NSR
→ MVT Pedal Cyclist	22	4.7	18	3.7	16	3.7	6	NSR	7	NSR	0	NSR	0	NSR	2	NSR	1	NSR
→ MVT Pedestrian	61	13.0	63	13.0	35	8.1	31	8.7	29	11.2	22	11.4	16	10.4	16	13.2	15	15.7
→ MVT Other	2	NSR	1	NSR	3	NSR	6	NSR	0	NSR	1	NSR	1	NSR	1	NSR	5	NSR
→ MVT Unspecified	44	9.4	23	4.7	25	5.8	22	6.1	19	7.3	15	7.8	17	11.0	14	11.6	14	14.7
Other Transport	155	32.9	139	28.7	98	22.8	86	24.0	79	30.5	58	30.2	49	31.8	43	35.6	37	38.8
→ Pedal Cyclist	57	12.1	51	10.5	40	9.3	32	8.9	25	9.7	19	9.9	12	7.8	4	NSR	3	NSR
→ Pedestrian	6	NSR	2	NSR	5	NSR	5	NSR	3	NSR	2	NSR	2	NSR	2	NSR	4	NSR
Firearm	43	9.1	45	9.3	24	5.6	10	2.8	8	NSR	5	NSR	2	NSR	3	NSR	12	12.6
Drowning	3	NSR	1	NSR	4	NSR	2	NSR	4	NSR	2	NSR	1	NSR	1	NSR	3	NSR
Suffocation	47	10.0	49	10.1	69	16.0	84	23.5	76	29.4	104	54.1	87	56.5	98	81.0	129	135.2
Fire/Flames	49	10.4	43	8.9	58	13.5	32	8.9	28	10.8	16	8.3	17	11.0	23	19.0	16	16.8
Hot Object/Scald	55	11.7	58	12.0	44	10.2	34	9.5	22	8.5	14	7.3	17	11.0	18	14.9	15	15.7
Cut/Pierce	190	40.4	173	35.7	121	28.1	75	20.9	56	21.7	42	21.9	31	20.1	21	17.4	16	16.8
Struck By/Against	276	58.7	285	58.8	183	42.5	137	38.3	89	34.4	89	46.3	75	48.7	74	61.2	78	81.8
Machinery	56	11.9	52	10.7	52	12.1	49	13.7	34	13.1	28	14.6	16	10.4	13	10.7	6	6.3
Overexertion	86	18.3	92	19.0	59	13.7	64	17.9	50	19.3	48	25.0	60	39.0	46	38.0	49	51.4
Nat/Env. Causes	160	34.0	158	32.6	138	32.1	123	34.4	109	42.1	66	34.3	89	57.8	84	69.5	85	89.1
→ Bites and Stings	99	21.0	83	17.1	69	16.0	70	19.6	55	21.3	27	14.0	31	20.1	33	27.3	22	23.1
Other Spec./NEC	702	149.2	660	136.3	623	144.8	502	140.2	472	182.5	343	178.5	408	265.1	426	352.3	457	479.1
Unspecified	449	95.4	538	111.1	562	130.6	522	145.8	487	188.3	462	240.4	530	344.4	567	468.9	757	793.5
Total: All Mechanisms	5,189	1,102.8	5,445	1,124.3	4,879	1,134.1	4,397	1,228.2	3,745	1,447.9	3,695	1,922.6	4,352	2,828.0	5,159	4,266.1	7,126	7,469.9

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	153	42.9	142	38.5	118	30.6	169	38.2	249	57.6	306	78.7	338	92.6	403	104.9	587	136.6
→ On same level	12	3.4	28	7.6	55	14.3	48	10.8	67	15.5	102	26.2	89	24.4	132	34.4	177	41.2
→ One level to another	113	31.7	92	24.9	38	9.8	65	14.7	83	19.2	103	26.5	125	34.3	130	33.8	188	43.8
→ Unspecified	28	7.9	22	6.0	25	6.5	56	12.7	99	22.9	101	26.0	124	34.0	141	36.7	222	51.7
Poisoning	86	24.1	14	3.8	77	20.0	587	132.6	773	178.8	770	198.0	620	169.9	705	183.5	844	196.4
→ Drug	65	18.2	10	2.7	73	18.9	549	124.0	738	170.7	738	189.7	594	162.8	672	174.9	788	183.4
→ Non-Drug	21	5.9	4	NSR	4	NSR	38	8.6	35	8.1	32	8.2	26	7.1	33	8.6	56	13.0
Motor Vehicle Traffic	47	13.2	70	19.0	96	24.9	408	92.2	479	110.8	364	93.6	266	72.9	277	72.1	272	63.3
→ MVT Occupant	25	7.0	39	10.6	50	13.0	320	72.3	398	92.1	289	74.3	201	55.1	211	54.9	189	44.0
→ MVT Motorcyclist	0	NSR	1	NSR	2	NSR	12	2.7	14	3.2	16	4.1	15	4.1	21	5.5	33	7.7
→ MVT Pedal Cyclist	2	NSR	6	NSR	7	NSR	4	NSR	3	NSR	4	NSR	4	NSR	0	NSR	1	NSR
→ MVT Pedestrian	17	4.8	23	6.2	37	9.6	53	12.0	35	8.1	34	8.7	26	7.1	21	5.5	28	6.5
→ MVT Other	3	NSR	1	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	3	NSR	4	NSR
→ MVT Unspecified	0	NSR	0	NSR	0	NSR	19	4.3	29	6.7	20	5.1	20	5.5	21	5.5	17	4.0
Other Transport	14	3.9	44	11.9	49	12.7	65	14.7	50	11.6	41	10.5	39	10.7	36	9.4	56	13.0
→ Pedal Cyclist	6	NSR	21	5.7	23	6.0	6	NSR	15	3.5	6	NSR	7	NSR	4	NSR	9	NSR
→ Pedestrian	4	NSR	4	NSR	2	NSR	3	NSR	0	NSR	2	NSR	5	NSR	2	NSR	3	NSR
Firearm	1	NSR	2	NSR	2	NSR	19	4.3	26	6.0	21	5.4	7	NSR	9	NSR	6	NSR
Drowning	8	NSR	2	NSR	1	NSR	1	NSR	0	NSR	0	NSR	2	NSR	0	NSR	0	NSR
Suffocation	9	NSR	1	NSR	2	NSR	10	2.3	16	3.7	13	3.3	9	NSR	12	3.1	32	7.4
Fire/Flames	9	NSR	9	NSR	2	NSR	10	2.3	12	2.8	9	NSR	20	5.5	19	4.9	22	5.1
Hot Object/Scald	79	22.2	12	3.2	13	3.4	13	2.9	25	5.8	14	3.6	17	4.7	15	3.9	27	6.3
Cut/Pierce	9	NSR	16	4.3	54	14.0	129	29.1	139	32.2	113	29.1	83	22.7	82	21.3	84	19.5
Struck By/Against	31	8.7	24	6.5	50	13.0	74	16.7	59	13.6	72	18.5	56	15.3	48	12.5	68	15.8
Machinery	4	NSR	1	NSR	2	NSR	1	NSR	2	NSR	5	NSR	3	NSR	2	0.5	12	2.8
Overexertion	2	NSR	3	NSR	13	3.4	29	6.6	25	5.8	29	7.5	32	8.8	33	8.6	50	11.6
Nat/Env. Causes	62	17.4	32	8.7	37	9.6	47	10.6	57	13.2	61	15.7	51	14.0	70	18.2	84	19.5
→ Bites and Stings	53	14.9	30	8.1	29	7.5	39	8.8	42	9.7	49	12.6	39	10.7	60	15.6	70	16.3
Other Spec./NEC	90	25.3	36	9.7	42	10.9	126	28.5	188	43.5	179	46.0	176	48.2	192	50.0	267	62.1
Unspecified	21	5.9	8	NSR	25	6.5	63	14.2	120	27.8	126	32.4	127	34.8	134	34.9	218	50.7
Total: All Mechanisms	625	175.4	416	112.7	583	151.1	1,751	395.6	2,220	513.6	2,123	545.8	1,846	505.9	2,037	530.3	2,629	611.8

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	960	197.8	1,425	284.8	1,723	383.9	2,217	575.4	2,423	823.2	3,099	1,322.4	4,804	2,304.7	7,448	3,903.0	15,318	7,284.6
→ On same level	267	55.0	434	86.7	536	119.4	745	193.4	790	268.4	1,012	431.8	1,600	767.6	2,420	1,268.1	4,716	2,242.7
→ One level to another	304	62.7	432	86.3	463	103.2	552	143.3	599	203.5	703	300.0	978	469.2	1,321	692.2	2,484	1,181.3
→ Unspecified	389	80.2	559	111.7	724	161.3	920	238.8	1,034	351.3	1,384	590.6	2,226	1,067.9	3,707	1,942.6	8,118	3,860.6
Poisoning	992	204.4	888	177.5	625	139.2	451	117.1	295	100.2	237	101.1	205	98.3	177	92.8	184	87.5
→ Drug	926	190.8	822	164.3	582	129.7	412	106.9	268	91.0	219	93.5	187	89.7	159	83.3	164	78.0
→ Non-Drug	66	13.6	66	13.2	43	9.6	39	10.1	27	9.2	18	7.7	18	8.6	18	9.4	20	9.5
Motor Vehicle Traffic	332	68.4	300	60.0	306	68.2	292	75.8	245	83.2	208	88.8	252	120.9	243	127.3	240	114.1
→ MVT Occupant	236	48.6	227	45.4	246	54.8	214	55.5	186	63.2	172	73.4	223	107.0	197	103.2	185	88.0
→ MVT Motorcyclist	40	8.2	22	4.4	18	4.0	9	NSR	1	NSR	2	NSR	0	NSR	1	NSR	1	NSR
→ MVT Pedal Cyclist	1	NSR	1	NSR	1	NSR	4	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR
→ MVT Pedestrian	34	7.0	34	6.8	25	5.6	36	9.3	42	14.3	21	9.0	13	6.2	29	15.2	30	14.3
→ MVT Other	1	NSR	0	NSR	1	NSR	1	NSR	2	0.7	1	NSR	0	NSR	0	NSR	0	NSR
→ MVT Unspecified	20	4.1	16	3.2	15	3.3	28	7.3	14	4.8	11	4.7	16	7.7	16	8.4	24	11.4
Other Transport	53	10.9	69	13.8	64	14.3	52	13.5	30	10.2	26	11.1	25	12.0	35	18.3	46	21.9
→ Pedal Cyclist	10	2.1	14	2.8	14	3.1	11	2.9	6	NSR	4	NSR	2	NSR	1	NSR	0	NSR
→ Pedestrian	2	NSR	1	NSR	1	NSR	4	NSR	2	NSR	3	NSR	0	NSR	2	NSR	4	NSR
Firearm	7	NSR	2	NSR	8	NSR	4	NSR	2	NSR	0	NSR	0	NSR	1	NSR	2	NSR
Drowning	4	NSR	0	NSR	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	2	NSR
Suffocation	43	8.9	46	9.2	52	11.6	75	19.5	64	21.7	95	40.5	81	38.9	116	60.8	190	90.4
Fire/Flames	19	3.9	29	5.8	22	4.9	23	6.0	16	5.4	11	4.7	17	8.2	19	10.0	20	9.5
Hot Object/Scald	43	8.9	41	8.2	21	4.7	23	6.0	25	8.5	21	9.0	16	7.7	34	17.8	20	9.5
Cut/Pierce	78	16.1	67	13.4	62	13.8	35	9.1	19	6.5	20	8.5	16	7.7	16	8.4	28	13.3
Struck By/Against	84	17.3	84	16.8	50	11.1	45	11.7	75	25.5	62	26.5	97	46.5	130	68.1	256	121.7
Machinery	2	NSR	5	1.0	1	NSR	7	NSR	1	NSR	1	NSR	2	NSR	4	NSR	2	1.0
Overexertion	53	10.9	80	16.0	71	15.8	76	19.7	74	25.1	108	46.1	110	52.8	128	67.1	169	80.4
Nat/Env. Causes	151	31.1	140	28.0	151	33.6	132	34.3	137	46.5	90	38.4	121	58.0	124	65.0	201	95.6
→ Bites and Stings	120	24.7	105	21.0	115	25.6	86	22.3	91	30.9	64	27.3	68	32.6	57	29.9	62	29.5
Other Spec./NEC	285	58.7	352	70.4	343	76.4	266	69.0	298	101.2	371	158.3	353	169.4	445	233.2	758	360.5
Unspecified	297	61.2	379	75.7	365	81.3	435	112.9	457	155.3	508	216.8	666	319.5	804	421.3	1,329	632.0
Total: All Mechanisms	3,403	701.3	3,907	780.9	3,865	861.1	4,133	1,072.7	4,162	1,414.0	4,857	2,072.5	6,765	3,245.5	9,724	5,095.6	18,765	8,923.8

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: WHITE MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	178	65.7	137	47.4	186	59.9	284	80.5	320	94.0	327	106.5	307	107.4	395	129.8	613	176.2
→ On same level	26	9.6	27	9.3	82	26.4	116	32.9	81	23.8	72	23.4	61	21.3	87	28.6	117	33.6
→ One level to another	116	42.8	89	30.8	66	21.3	96	27.2	159	46.7	153	49.8	157	54.9	176	57.8	294	84.5
→ Unspecified	36	13.3	21	7.3	38	12.2	72	20.4	80	23.5	102	33.2	89	31.1	132	43.4	202	58.1
Poisoning	58	21.4	12	4.2	28	9.0	325	92.1	547	160.7	574	186.9	480	168.0	412	135.4	569	163.6
→ Drug	45	16.6	8	NSR	22	7.1	297	84.2	509	149.5	535	174.2	444	155.4	379	124.5	509	146.3
→ Non-Drug	13	4.8	4	NSR	6	NSR	28	7.9	38	11.2	39	12.7	36	12.6	33	10.8	60	17.2
Motor Vehicle Traffic	19	7.0	53	18.4	77	24.8	455	128.9	713	209.4	462	150.4	381	133.3	335	110.1	392	112.7
→ MVT Occupant	14	5.2	26	9.0	29	9.3	344	97.5	476	139.8	258	84.0	213	74.5	173	56.8	197	56.6
→ MVT Motorcyclist	0	NSR	1	NSR	9	NSR	36	10.2	131	38.5	135	44.0	103	36.0	109	35.8	134	38.5
→ MVT Pedal Cyclist	1	NSR	4	NSR	10	3.2	22	6.2	21	6.2	20	6.5	9	NSR	10	3.3	8	NSR
→ MVT Pedestrian	3	NSR	22	7.6	26	8.4	29	8.2	48	14.1	20	6.5	35	12.2	20	6.6	30	8.6
→ MVT Other	1	NSR	0	NSR	3	NSR	3	NSR	5	NSR	3	NSR	4	NSR	4	NSR	3	NSR
→ MVT Unspecified	0	NSR	0	NSR	0	NSR	21	6.0	32	9.4	26	8.5	17	5.9	19	6.2	20	5.7
Other Transport	16	5.9	57	19.7	151	48.7	215	60.9	155	45.5	120	39.1	74	25.9	91	29.9	122	35.1
→ Pedal Cyclist	4	NSR	32	11.1	79	25.5	50	14.2	29	8.5	21	6.8	12	4.2	27	8.9	31	8.9
→ Pedestrian	3	NSR	3	NSR	4	NSR	1	NSR	3	NSR	2	NSR	5	NSR	1	NSR	5	NSR
Firearm	1	NSR	1	NSR	1	NSR	23	6.5	52	15.3	44	14.3	30	10.5	25	8.2	18	5.2
Drowning	10	3.7	2	NSR	0	NSR	0	NSR	2	NSR	0	NSR	2	NSR	2	NSR	2	NSR
Suffocation	5	NSR	0	NSR	4	NSR	8	NSR	30	8.8	10	3.3	18	6.3	12	3.9	12	3.4
Fire/Flames	7	NSR	3	NSR	4	NSR	26	7.4	34	10.0	24	7.8	34	11.9	17	5.6	35	10.1
Hot Object/Scald	41	15.1	8	NSR	2	NSR	14	4.0	18	5.3	26	8.5	25	8.7	32	10.5	22	6.3
Cut/Pierce	10	3.7	7	NSR	20	6.4	114	32.3	170	49.9	165	53.7	150	52.5	118	38.8	104	29.9
Struck By/Against	23	8.5	38	13.2	128	41.2	263	74.5	237	69.6	233	75.9	158	55.3	159	52.2	174	50.0
Machinery	3	NSR	4	NSR	5	NSR	18	5.1	24	7.0	17	5.5	27	9.4	28	9.2	37	10.6
Overexertion	3	NSR	0	NSR	12	3.9	27	7.7	30	8.8	32	10.4	48	16.8	44	14.5	56	16.1
Nat/Env. Causes	34	12.5	33	11.4	28	9.0	38	10.8	53	15.6	44	14.3	47	16.4	69	22.7	74	21.3
→ Bites and Stings	24	8.9	25	8.7	17	5.5	21	6.0	32	9.4	27	8.8	32	11.2	47	15.4	50	14.4
Other Spec./NEC	60	22.1	34	11.8	79	25.5	153	43.4	276	81.1	238	77.5	282	98.7	272	89.4	360	103.5
Unspecified	21	7.7	11	3.8	19	6.1	92	26.1	150	44.1	151	49.2	133	46.5	179	58.8	182	52.3
Total: All Mechanisms	489	180.4	400	138.5	744	239.8	2,055	582.3	2,811	825.7	2,467	803.3	2,196	768.5	2,190	719.7	2,772	796.8

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: WHITE MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	904	226.9	1,280	305.3	1,353	357.5	1,572	491.9	1,487	638.0	1,749	1,004.5	2,357	1,667.5	3,123	2,761.2	4,813	5,370.8
→ On same level	183	45.9	264	63.0	342	90.4	360	112.6	384	164.8	476	273.4	665	470.5	874	772.7	1,334	1,488.6
→ One level to another	393	98.6	532	126.9	490	129.5	544	170.2	447	191.8	419	240.6	536	379.2	627	554.4	865	965.2
→ Unspecified	328	82.3	484	115.5	521	137.7	668	209.0	656	281.5	854	490.5	1,156	817.8	1,622	1,434.1	2,614	2,916.9
Poisoning	671	168.4	583	139.1	413	109.1	270	84.5	158	67.8	129	74.1	103	72.9	123	108.8	105	117.2
→ Drug	593	148.8	495	118.1	359	94.9	228	71.3	136	58.3	111	63.7	84	59.4	108	95.5	90	100.4
→ Non-Drug	78	19.6	88	21.0	54	14.3	42	13.1	22	9.4	18	10.3	19	13.4	15	13.3	15	16.7
Motor Vehicle Traffic	512	128.5	478	114.0	398	105.2	305	95.4	201	86.2	190	109.1	212	150.0	162	143.2	152	169.6
→ MVT Occupant	257	64.5	229	54.6	219	57.9	182	57.0	127	54.5	141	81.0	175	123.8	135	119.4	122	136.1
→ MVT Motorcyclist	167	41.9	181	43.2	124	32.8	73	22.8	37	15.9	17	9.8	7	NSR	0	NSR	0	NSR
→ MVT Pedal Cyclist	16	4.0	9	NSR	11	2.9	6	NSR	3	NSR	0	NSR	0	NSR	1	NSR	0	NSR
→ MVT Pedestrian	31	7.8	42	10.0	22	5.8	19	5.9	20	8.6	16	9.2	12	8.5	13	11.5	12	13.4
→ MVT Other	2	0.5	0	NSR	2	0.5	5	NSR	0	NSR	1	NSR	1	NSR	1	0.9	4	4.5
→ MVT Unspecified	39	9.8	17	4.1	20	5.3	20	6.3	14	6.0	15	8.6	17	12.0	12	10.6	14	15.6
Other Transport	140	35.1	120	28.6	82	21.7	75	23.5	73	31.3	48	27.6	45	31.8	36	31.8	35	39.1
→ Pedal Cyclist	47	11.8	41	9.8	32	8.5	29	9.1	22	9.4	18	10.3	10	7.1	4	NSR	3	NSR
→ Pedestrian	5	NSR	2	NSR	5	NSR	4	NSR	2	NSR	2	NSR	2	NSR	2	NSR	4	NSR
Firearm	17	4.3	22	5.2	11	2.9	6	NSR	8	NSR	4	NSR	2	NSR	3	NSR	6	NSR
Drowning	3	NSR	0	NSR	4	NSR	2	NSR	4	NSR	2	NSR	1	NSR	1	NSR	3	NSR
Suffocation	29	7.3	39	9.3	61	16.1	55	17.2	57	24.5	83	47.7	74	52.4	82	72.5	111	123.9
Fire/Flames	34	8.5	31	7.4	47	12.4	25	7.8	24	10.3	12	6.9	15	10.6	20	17.7	13	14.5
Hot Object/Scald	44	11.0	37	8.8	35	9.2	28	8.8	18	7.7	13	7.5	14	9.9	14	12.4	14	15.6
Cut/Pierce	115	28.9	114	27.2	83	21.9	58	18.1	50	21.5	39	22.4	30	21.2	21	18.6	13	14.5
Struck By/Against	175	43.9	189	45.1	113	29.9	116	36.3	78	33.5	74	42.5	67	47.4	69	61.0	70	78.1
Machinery	42	10.5	42	10.0	48	12.7	37	11.6	28	12.0	26	14.9	16	11.3	13	11.5	5	NSR
Overexertion	70	17.6	79	18.8	44	11.6	56	17.5	48	20.6	44	25.3	58	41.0	42	37.1	45	50.2
Nat/Env. Causes	133	33.4	110	26.2	113	29.9	97	30.4	86	36.9	51	29.3	61	43.2	71	62.8	76	84.8
→ Bites and Stings	86	21.6	64	15.3	59	15.6	65	20.3	53	22.7	25	14.4	26	18.4	30	26.5	22	24.5
Other Spec./NEC	524	131.5	494	117.8	462	122.1	382	119.5	393	168.6	291	167.1	359	254.0	386	341.3	425	474.3
Unspecified	320	80.3	367	87.5	426	112.6	406	127.0	393	168.6	389	223.4	467	330.4	501	443.0	705	786.7
Total: All Mechanisms	3,733	936.8	3,985	950.6	3,693	975.9	3,490	1,092.1	3,106	1,332.6	3,144	1,805.7	3,881	2,745.7	4,667	4,126.3	6,591	7,354.8

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: WHITE FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	99	38.5	98	35.6	91	31.0	116	34.3	161	48.4	207	68.7	234	82.8	285	93.5	439	125.0
→ On same level	9	NSR	22	8.0	42	14.3	33	9.8	46	13.8	66	21.9	67	23.7	96	31.5	139	39.6
→ One level to another	72	28.0	65	23.6	27	9.2	47	13.9	51	15.3	75	24.9	80	28.3	89	29.2	138	39.3
→ Unspecified	18	7.0	11	4.0	22	7.5	36	10.7	64	19.2	66	21.9	87	30.8	100	32.8	162	46.1
Poisoning	37	14.4	7	NSR	51	17.4	419	124.0	574	172.5	600	199.2	477	168.9	550	180.4	625	178.0
→ Drug	27	10.5	4	NSR	47	16.0	387	114.5	551	165.6	581	192.9	462	163.6	523	171.5	589	167.7
→ Non-Drug	10	3.9	3	NSR	4	NSR	32	9.5	23	6.9	19	6.3	15	5.3	27	8.9	36	10.3
Motor Vehicle Traffic	24	9.3	40	14.5	56	19.1	309	91.4	342	102.8	255	84.7	174	61.6	209	68.5	214	60.9
→ MVT Occupant	16	6.2	30	10.9	36	12.3	255	75.5	294	88.4	207	68.7	130	46.0	159	52.1	147	41.9
→ MVT Motorcyclist	0	NSR	0	NSR	2	NSR	8	NSR	10	3.0	13	4.3	11	3.9	16	5.2	31	8.8
→ MVT Pedal Cyclist	1	NSR	5	NSR	5	NSR	3	NSR	1	NSR	2	NSR	4	NSR	0	NSR	1	NSR
→ MVT Pedestrian	4	NSR	4	NSR	13	4.4	26	7.7	19	5.7	21	7.0	14	5.0	17	5.6	17	4.8
→ MVT Other	3	NSR	1	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	2	NSR	3	0.9
→ MVT Unspecified	0	NSR	0	NSR	0	NSR	17	5.0	18	5.4	11	3.7	15	5.3	15	4.9	15	4.3
Other Transport	9	NSR	34	12.3	43	14.6	56	16.6	43	12.9	37	12.3	35	12.4	30	9.8	51	14.5
→ Pedal Cyclist	3	NSR	13	4.7	17	5.8	4	NSR	13	3.9	5	NSR	5	NSR	3	NSR	8	NSR
→ Pedestrian	2	NSR	3	NSR	2	NSR	3	NSR	0	NSR	1	NSR	4	NSR	0	NSR	3	NSR
Firearm	1	NSR	1	NSR	0	NSR	5	NSR	4	NSR	7	NSR	4	NSR	8	NSR	4	NSR
Drowning	6	NSR	2	NSR	1	NSR	1	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR
Suffocation	3	NSR	0	NSR	1	NSR	6	NSR	14	4.2	8	NSR	5	NSR	6	NSR	22	6.3
Fire/Flames	4	NSR	6	NSR	1	NSR	8	NSR	7	NSR	8	NSR	16	5.7	17	5.6	14	4.0
Hot Object/Scald	26	10.1	8	NSR	6	NSR	5	NSR	14	4.2	8	NSR	12	4.2	5	1.6	16	4.6
Cut/Pierce	6	NSR	5	NSR	42	14.3	104	30.8	107	32.2	89	29.5	63	22.3	58	19.0	66	18.8
Struck By/Against	18	7.0	16	5.8	34	11.6	41	12.1	33	9.9	43	14.3	28	9.9	32	10.5	49	14.0
Machinery	3	NSR	1	NSR	2	NSR	0	NSR	1	NSR	3	NSR	1	NSR	2	NSR	8	NSR
Overexertion	2	NSR	2	NSR	10	3.4	15	4.4	16	4.8	21	7.0	25	8.9	27	8.9	40	11.4
Nat/Env. Causes	40	15.5	21	7.6	26	8.9	35	10.4	41	12.3	49	16.3	40	14.2	50	16.4	61	17.4
→ Bites and Stings	37	14.4	19	6.9	19	6.5	28	8.3	34	10.2	39	12.9	31	11.0	46	15.1	55	15.7
Other Spec./NEC	35	13.6	22	8.0	30	10.2	95	28.1	127	38.2	133	44.2	119	42.1	141	46.2	192	54.7
Unspecified	12	4.7	4	NSR	17	5.8	44	13.0	75	22.5	90	29.9	81	28.7	95	31.2	151	43.0
Total: All Mechanisms	325	126.3	267	96.9	411	139.9	1,259	372.6	1,559	468.6	1,558	517.2	1,315	465.6	1,515	496.8	1,952	555.9

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: WHITE FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	751	184.5	1,143	267.2	1,453	373.1	1,913	565.0	2,133	817.0	2,768	1,321.9	4,341	2,303.4	6,870	3,902.0	14,221	7,253.1
→ On same level	203	49.9	350	81.8	472	121.2	662	195.5	706	270.4	938	448.0	1,468	778.9	2,247	1,276.2	4,398	2,243.1
→ One level to another	244	59.9	337	78.8	391	100.4	464	137.0	512	196.1	606	289.4	866	459.5	1,194	678.2	2,242	1,143.5
→ Unspecified	304	74.7	456	106.6	590	151.5	787	232.4	915	350.5	1,224	584.6	2,007	1,064.9	3,429	1,947.6	7,581	3,866.5
Poisoning	733	180.1	678	158.5	468	120.2	347	102.5	235	90.0	206	98.4	176	93.4	157	89.2	162	82.6
→ Drug	697	171.2	645	150.8	435	111.7	323	95.4	215	82.4	194	92.6	162	86.0	142	80.7	142	72.4
→ Non-Drug	36	8.8	33	7.7	33	8.5	24	7.1	20	7.7	12	5.7	14	7.4	15	8.5	20	10.2
Motor Vehicle Traffic	260	63.9	238	55.6	241	61.9	247	72.9	196	75.1	183	87.4	229	121.5	213	121.0	226	115.3
→ MVT Occupant	184	45.2	185	43.3	196	50.3	184	54.3	157	60.1	153	73.1	204	108.2	175	99.4	177	90.3
→ MVT Motorcyclist	35	8.6	22	5.1	16	4.1	8	NSR	1	NSR	1	NSR	0	NSR	1	NSR	1	NSR
→ MVT Pedal Cyclist	1	NSR	1	NSR	1	NSR	3	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR
→ MVT Pedestrian	25	6.1	18	4.2	16	4.1	24	7.1	25	9.6	17	8.1	12	6.4	24	13.6	26	13.3
→ MVT Other	1	NSR	0	NSR	1	NSR	1	NSR	2	0.8	1	NSR	0	NSR	0	0.0	0	NSR
→ MVT Unspecified	14	3.4	12	2.8	11	2.8	27	8.0	11	4.2	10	4.8	13	6.9	13	7.4	22	11.2
Other Transport	48	11.8	60	14.0	59	15.1	45	13.3	29	11.1	22	10.5	24	12.7	30	17.0	42	21.4
→ Pedal Cyclist	9	NSR	12	2.8	14	3.6	7	NSR	6	NSR	4	NSR	2	NSR	1	NSR	0	NSR
→ Pedestrian	1	NSR	1	NSR	1	NSR	3	NSR	2	NSR	3	NSR	0	NSR	1	NSR	4	NSR
Firearm	4	NSR	2	NSR	7	NSR	3	NSR	1	NSR	0	NSR	0	NSR	1	NSR	2	NSR
Drowning	4	NSR	0	NSR	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	2	NSR
Suffocation	33	8.1	35	8.2	37	9.5	55	16.2	47	18.0	76	36.3	60	31.8	98	55.7	172	87.7
Fire/Flames	12	2.9	19	4.4	17	4.4	18	5.3	14	5.4	5	NSR	13	6.9	16	9.1	16	8.2
Hot Object/Scald	24	5.9	31	7.2	15	3.9	20	5.9	18	6.9	16	7.6	15	8.0	28	15.9	17	8.7
Cut/Pierce	59	14.5	59	13.8	46	11.8	30	8.9	14	5.4	16	7.6	15	8.0	16	9.1	26	13.3
Struck By/Against	54	13.3	60	14.0	43	11.0	35	10.3	66	25.3	54	25.8	89	47.2	122	69.3	238	121.4
Machinery	1	NSR	4	NSR	0	NSR	6	NSR	1	NSR	1	NSR	2	NSR	3	NSR	2	NSR
Overexertion	43	10.6	72	16.8	57	14.6	63	18.6	67	25.7	91	43.5	105	55.7	118	67.0	158	80.6
Nat/Env. Causes	125	30.7	117	27.4	122	31.3	108	31.9	119	45.6	77	36.8	105	55.7	111	63.0	162	82.6
→ Bites and Stings	99	24.3	94	22.0	97	24.9	77	22.7	84	32.2	59	28.2	65	34.5	56	31.8	54	27.5
Other Spec./NEC	211	51.8	269	62.9	274	70.4	217	64.1	263	100.7	323	154.3	308	163.4	400	227.2	685	349.4
Unspecified	219	53.8	292	68.3	298	76.5	358	105.7	386	147.9	428	204.4	586	310.9	732	415.8	1,230	627.3
Total: All Mechanisms	2,581	634.0	3,079	719.8	3,138	805.7	3,465	1,023.3	3,590	1,375.1	4,266	2,037.3	6,068	3,219.8	8,915	5,063.5	17,361	8,854.5

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: BLACK MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	43	82.7	34	66.4	57	104.7	51	76.4	71	122.7	65	142.8	72	170.5	89	213.7	127	285.6
→ On same level	6	NSR	2	NSR	28	51.4	18	27.0	18	31.1	21	46.1	22	52.1	20	48.0	33	74.2
→ One level to another	28	53.8	24	46.9	17	31.2	17	25.5	23	39.7	21	46.1	22	52.1	30	72.0	45	101.2
→ Unspecified	9	NSR	8	NSR	12	22.0	16	24.0	30	51.8	23	50.5	28	66.3	39	93.6	49	110.2
Poisoning	20	38.5	6	NSR	10	18.4	39	58.4	77	133.0	84	184.5	75	177.6	117	280.9	203	456.5
→ Drug	11	21.1	5	NSR	9	NSR	33	49.5	65	112.3	73	160.4	65	153.9	99	237.7	188	422.8
→ Non-Drug	9	NSR	1	NSR	1	NSR	6	NSR	12	20.7	11	24.2	10	23.7	18	43.2	15	33.7
Motor Vehicle Traffic	20	38.5	32	62.5	35	64.3	71	106.4	112	193.5	96	210.9	84	198.9	74	177.7	75	168.7
→ MVT Occupant	4	NSR	8	NSR	4	NSR	44	65.9	71	122.7	47	103.2	41	97.1	35	84.0	43	96.7
→ MVT Motorcyclist	0	NSR	0	NSR	3	NSR	8	NSR	23	39.7	19	41.7	21	49.7	13	31.2	14	31.5
→ MVT Pedal Cyclist	1	NSR	5	NSR	11	20.2	6	NSR	1	NSR	2	NSR	3	NSR	6	NSR	5	NSR
→ MVT Pedestrian	14	26.9	18	35.2	14	25.7	12	18.0	14	24.2	24	52.7	14	33.2	18	43.2	9	NSR
→ MVT Other	1	NSR	1	NSR	2	NSR	1	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR
→ MVT Unspecified	0	NSR	0	NSR	1	NSR	0	NSR	3	NSR	4	NSR	4	NSR	2	NSR	4	NSR
Other Transport	3	NSR	6	NSR	16	29.4	12	18.0	16	27.6	5	NSR	6	NSR	5	NSR	12	27.0
→ Pedal Cyclist	1	NSR	4	NSR	11	20.2	10	15.0	6	NSR	1	NSR	1	NSR	3	NSR	5	NSR
→ Pedestrian	1	NSR	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR	2	NSR	0	NSR	2	NSR
Firearm	1	NSR	1	NSR	11	20.2	214	320.7	272	470.0	163	358.1	100	236.8	62	148.9	28	63.0
Drowning	4	NSR	1	NSR	2	NSR	1	NSR	0	NSR	0	NSR	1	NSR	1	NSR	0	NSR
Suffocation	4	NSR	1	NSR	0	NSR	2	NSR	3	NSR	0	NSR	4	NSR	1	NSR	4	NSR
Fire/Flames	4	NSR	4	NSR	3	NSR	8	NSR	8	NSR	3	NSR	3	NSR	7	NSR	6	NSR
Hot Object/Scald	36	69.2	10	19.5	2	NSR	5	NSR	6	NSR	8	NSR	7	NSR	3	NSR	10	22.5
Cut/Pierce	4	NSR	6	NSR	7	NSR	56	83.9	85	146.9	68	149.4	40	94.7	24	57.6	35	78.7
Struck By/Against	7	NSR	7	NSR	38	69.8	124	185.8	90	155.5	86	188.9	66	156.3	55	132.1	70	157.4
Machinery	0	NSR	0	NSR	0	NSR	0	NSR	4	NSR	3	NSR	5	NSR	2	NSR	4	NSR
Overexertion	2	NSR	1	NSR	3	NSR	13	19.5	10	17.3	8	NSR	4	NSR	11	26.4	9	NSR
Nat/Env. Causes	15	28.8	7	NSR	8	NSR	7	NSR	7	NSR	9	NSR	12	28.4	15	36.0	17	38.2
→ Bites and Stings	14	26.9	6	NSR	4	NSR	4	NSR	6	NSR	4	NSR	9	NSR	10	24.0	6	NSR
Other Spec./NEC	35	67.3	13	25.4	21	38.6	72	107.9	101	174.5	117	257.0	103	243.9	111	266.5	117	263.1
Unspecified	13	25.0	3	NSR	8	NSR	27	40.5	49	84.7	55	120.8	46	108.9	56	134.5	79	177.7
Total: All Mechanisms	211	405.7	132	257.8	221	405.8	702	1,052.0	911	1,574.0	770	1,691.5	628	1,487.2	633	1,519.8	796	1,790.2

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: BLACK MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate														
Fall	202	436.6	213	484.7	230	649.4	219	834.0	160	911.7	160	1,270.5	137	1,495.1	119	1,969.5	148	3,252.0
→ On same level	47	101.6	39	88.7	61	172.2	45	171.4	34	193.7	38	301.8	35	382.0	37	612.4	40	878.9
→ One level to another	74	159.9	72	163.8	70	197.6	65	247.5	39	222.2	44	349.4	28	305.6	22	364.1	31	681.2
→ Unspecified	81	175.1	102	232.1	99	279.5	109	415.1	87	495.8	78	619.4	74	807.6	60	993.0	77	1,691.9
Poisoning	278	600.8	291	662.2	182	513.9	122	464.6	45	256.4	32	254.1	10	109.1	16	264.8	8	NSR
→ Drug	251	542.5	253	575.7	154	434.8	96	365.6	36	205.1	26	206.5	7	NSR	13	215.2	7	NSR
→ Non-Drug	27	58.4	38	86.5	28	79.1	26	99.0	9	51.3	6	NSR	3	NSR	3	NSR	1	NSR
Motor Vehicle Traffic	84	181.5	69	157.0	61	172.2	31	118.1	26	148.2	16	127.1	9	NSR	7	NSR	9	NSR
→ MVT Occupant	42	90.8	37	84.2	39	110.1	24	91.4	11	62.7	13	103.2	8	NSR	3	NSR	7	NSR
→ MVT Motorcyclist	11	23.8	7	NSR	6	NSR	1	NSR	0	0.0	1	NSR	0	NSR	0	NSR	0	NSR
→ MVT Pedal Cyclist	4	NSR	6	NSR	3	NSR	0	NSR	4	22.8	0	NSR	0	NSR	1	NSR	1	NSR
→ MVT Pedestrian	24	51.9	14	31.9	11	31.1	5	NSR	9	51.3	2	NSR	1	NSR	2	NSR	0	NSR
→ MVT Other	0	NSR	1	NSR	1	NSR	0	NSR	0	0.0	0	NSR	0	NSR	0	NSR	1	NSR
→ MVT Unspecified	3	NSR	4	NSR	1	NSR	1	NSR	2	11.4	0	NSR	0	NSR	1	NSR	0	NSR
Other Transport	6	NSR	6	NSR	5	NSR	4	NSR	1	5.7	2	NSR	2	NSR	2	NSR	0	NSR
→ Pedal Cyclist	6	NSR	3	NSR	2	NSR	2	NSR	0	0.0	0	NSR	0	NSR	0	NSR	0	NSR
→ Pedestrian	0	NSR	0	NSR	0	NSR	0	NSR	1	5.7	0	NSR	0	NSR	0	NSR	0	NSR
Firearm	17	36.7	16	36.4	9	NSR	3	NSR	0	0.0	0	NSR	0	NSR	0	NSR	4	NSR
Drowning	0	NSR	1	NSR	0	NSR	0	NSR	0	0.0	0	NSR	0	NSR	0	NSR	0	NSR
Suffocation	15	32.4	6	NSR	3	NSR	14	53.3	8	45.6	9	NSR	2	NSR	7	NSR	9	NSR
Fire/Flames	8	NSR	8	NSR	5	NSR	4	NSR	4	22.8	2	NSR	1	NSR	1	NSR	2	NSR
Hot Object/Scald	9	NSR	15	34.1	6	NSR	3	NSR	3	17.1	1	NSR	1	NSR	2	NSR	1	NSR
Cut/Pierce	54	116.7	34	77.4	24	67.8	11	41.9	2	11.4	1	NSR	1	NSR	0	NSR	1	NSR
Struck By/Against	68	147.0	65	147.9	51	144.0	13	49.5	4	22.8	8	NSR	6	NSR	1	NSR	2	NSR
Machinery	4	NSR	0	NSR	1	NSR	2	NSR	1	5.7	0	NSR	0	NSR	0	NSR	0	NSR
Overexertion	11	23.8	6	NSR	10	28.2	3	NSR	0	0.0	4	NSR	2	NSR	1	NSR	1	NSR
Nat/Env. Causes	24	51.9	34	77.4	21	59.3	18	68.5	14	79.8	14	111.2	24	261.9	9	NSR	8	NSR
→ Bites and Stings	11	23.8	12	27.3	7	NSR	0	NSR	1	5.7	1	NSR	2	NSR	1	NSR	0	NSR
Other Spec./NEC	132	285.3	121	275.3	120	338.8	72	274.2	51	290.6	31	246.2	30	327.4	17	281.4	22	483.4
Unspecified	97	209.6	119	270.8	103	290.8	80	304.7	69	393.2	50	397.0	43	469.3	38	628.9	29	637.2
Total: All Mechanisms	1,009	2,180.6	1,004	2,284.6	831	2,346.3	599	2,281.1	388	2,211.0	330	2,620.5	268	2,924.8	220	3,641.2	244	5,361.5

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: BLACK FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	29	57.1	12	24.3	16	30.7	36	56.9	57	97.4	57	118.4	64	140.2	67	148.6	98	203.3
→ On same level	1	NSR	2	NSR	8	NSR	6	NSR	14	23.9	22	45.7	11	24.1	18	39.9	23	47.7
→ One level to another	22	43.3	7	NSR	5	NSR	14	22.1	21	35.9	16	33.2	28	61.3	23	51.0	34	70.5
→ Unspecified	6	11.8	3	NSR	3	NSR	16	25.3	22	37.6	19	39.5	25	54.8	26	57.7	41	85.0
Poisoning	28	55.1	5	NSR	11	21.1	93	146.9	100	170.9	86	178.6	73	159.9	95	210.7	128	265.5
→ Drug	19	37.4	4	NSR	11	21.1	91	143.8	95	162.4	79	164.1	64	140.2	93	206.3	116	240.6
→ Non-Drug	9	NSR	1	NSR	0	NSR	2	NSR	5	NSR	7	NSR	9	NSR	2	NSR	12	24.9
Motor Vehicle Traffic	12	23.6	15	30.3	21	40.3	49	77.4	64	109.4	67	139.2	54	118.3	32	71.0	26	53.9
→ MVT Occupant	4	NSR	3	NSR	8	NSR	33	52.1	43	73.5	49	101.8	41	89.8	25	55.5	18	37.3
→ MVT Motorcyclist	0	NSR	1	NSR	0	NSR	0	NSR	2	NSR	1	NSR	2	NSR	3	NSR	0	NSR
→ MVT Pedal Cyclist	1	NSR	1	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR
→ MVT Pedestrian	7	NSR	10	20.2	13	24.9	15	23.7	12	20.5	9	NSR	7	NSR	2	NSR	8	NSR
→ MVT Other	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR
→ MVT Unspecified	0	NSR	0	NSR	0	NSR	1	NSR	7	NSR	7	NSR	4	NSR	1	NSR	0	NSR
Other Transport	1	NSR	3	NSR	2	NSR	4	NSR	3	NSR	1	NSR	1	NSR	2	NSR	3	NSR
→ Pedal Cyclist	1	NSR	3	NSR	2	NSR	2	NSR	0	NSR	0	NSR	0	NSR	1	NSR	1	NSR
→ Pedestrian	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	1	NSR	1	NSR	0	NSR
Firearm	0	NSR	0	NSR	2	NSR	12	19.0	16	27.3	10	20.8	2	NSR	1	NSR	2	NSR
Drowning	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR
Suffocation	3	NSR	1	NSR	0	NSR	2	NSR	1	NSR	3	NSR	2	NSR	0	NSR	6	NSR
Fire/Flames	4	NSR	2	NSR	0	NSR	1	NSR	1	NSR	0	NSR	3	NSR	1	NSR	7	NSR
Hot Object/Scald	35	68.9	1	NSR	5	NSR	6	NSR	7	NSR	4	NSR	3	NSR	4	NSR	6	NSR
Cut/Pierce	2	NSR	9	NSR	8	NSR	16	25.3	18	30.8	18	37.4	6	NSR	15	33.3	11	22.8
Struck By/Against	11	21.7	8	NSR	9	NSR	22	34.8	14	23.9	23	47.8	23	50.4	12	26.6	9	NSR
Machinery	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Overexertion	0	NSR	0	NSR	2	NSR	11	17.4	6	NSR	5	NSR	4	NSR	3	NSR	4	NSR
Nat/Env. Causes	9	NSR	8	NSR	7	NSR	6	NSR	9	NSR	8	NSR	4	NSR	15	33.3	16	33.2
→ Bites and Stings	5	NSR	8	NSR	6	NSR	5	NSR	3	NSR	6	NSR	3	NSR	9	NSR	10	20.7
Other Spec./NEC	24	47.2	9	NSR	8	NSR	22	34.8	42	71.8	29	60.2	39	85.4	36	79.9	42	87.1
Unspecified	3	NSR	1	NSR	6	NSR	13	20.5	31	53.0	29	60.2	31	67.9	26	57.7	48	99.6
Total: All Mechanisms	162	318.9	74	149.6	97	186.1	293	462.9	369	630.7	341	708.2	310	679.1	309	685.4	406	842.1

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATION RATES: BLACK FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2010

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate														
Fall	142	277.5	201	400.7	174	417.6	177	536.2	155	644.0	177	948.0	233	1,483.7	255	2,127.1	516	4,287.1
→ On same level	34	66.5	64	127.6	41	98.4	47	142.4	41	170.4	35	187.5	68	433.0	70	583.9	146	1,213.0
→ One level to another	42	82.1	63	125.6	44	105.6	49	148.4	52	216.1	50	267.8	58	369.3	61	508.8	119	988.7
→ Unspecified	66	129.0	74	147.5	89	213.6	81	245.4	62	257.6	92	492.8	107	681.4	124	1,034.4	251	2,085.4
Poisoning	182	355.7	149	297.1	123	295.2	69	209.0	42	174.5	22	117.8	21	133.7	13	108.4	15	124.6
→ Drug	156	304.9	125	249.2	115	276.0	58	175.7	38	157.9	18	96.4	18	114.6	11	91.8	15	124.6
→ Non-Drug	26	50.8	24	47.8	8	NSR	11	33.3	4	NSR	4	NSR	3	NSR	2	NSR	0	NSR
Motor Vehicle Traffic	40	78.2	36	71.8	29	69.6	25	75.7	22	91.4	11	58.9	9	NSR	9	NSR	4	NSR
→ MVT Occupant	29	56.7	22	43.9	20	48.0	16	48.5	10	41.6	7	NSR	7	NSR	8	NSR	3	NSR
→ MVT Motorcyclist	1	NSR	0	NSR	0	NSR												
→ MVT Pedal Cyclist	0	NSR	0	NSR														
→ MVT Pedestrian	6	NSR	10	19.9	7	NSR	8	NSR	11	45.7	4	NSR	1	NSR	1	NSR	1	NSR
→ MVT Other	0	NSR	0	NSR														
→ MVT Unspecified	4	NSR	4	NSR	2	NSR	1	NSR	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR
Other Transport	2	NSR	4	NSR	1	NSR	2	NSR	0	NSR	2	NSR	1	NSR	2	NSR	2	NSR
→ Pedal Cyclist	1	NSR	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
→ Pedestrian	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR
Firearm	2	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Drowning	0	NSR	0	NSR														
Suffocation	5	NSR	6	NSR	10	24.0	11	33.3	6	NSR	10	53.6	13	82.8	10	83.4	13	108.0
Fire/Flames	2	NSR	7	NSR	2	NSR	4	NSR	0	NSR	4	NSR	1	NSR	1	NSR	4	NSR
Hot Object/Scald	12	23.5	6	NSR	4	NSR	2	NSR	5	NSR	5	NSR	0	NSR	5	NSR	1	NSR
Cut/Pierce	9	NSR	6	NSR	10	24.0	2	NSR	2	NSR	1	NSR	0	NSR	0	NSR	2	NSR
Struck By/Against	22	43.0	21	41.9	7	NSR	4	NSR	4	NSR	4	NSR	5	NSR	4	NSR	10	83.1
Machinery	0	NSR	1	NSR	0	NSR	0	NSR										
Overexertion	7	NSR	6	NSR	8	NSR	10	30.3	5	NSR	10	53.6	3	NSR	0	NSR	8	NSR
Nat/Env. Causes	17	33.2	13	25.9	20	48.0	18	54.5	12	49.9	8	NSR	11	70.0	12	100.1	32	265.9
→ Bites and Stings	14	27.4	6	NSR	12	28.8	5	NSR	4	NSR	1	NSR	0	NSR	1	NSR	6	NSR
Other Spec./NEC	39	76.2	65	129.6	44	105.6	28	84.8	20	83.1	26	139.3	29	184.7	24	200.2	41	340.6
Unspecified	63	123.1	73	145.5	58	139.2	59	178.7	47	195.3	48	257.1	45	286.6	39	325.3	62	515.1
Total: All Mechanisms	544	1,063.2	594	1,184.2	490	1,176.0	411	1,245.0	321	1,333.8	328	1,756.8	371	2,362.5	374	3,119.8	710	5,899.0

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Technical Notes

INJURY DEATHS

Data Source

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 2010 death certificates was March 1, 2011. Data pertaining to a 2010 death for which a certificate was filed after the March 1, 2011 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.

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. 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.

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 up with hospital personnel, funeral directors and physicians concerning incomplete or conflicting information reported on the certificate. The follow-up contact is usually done by telephone and is based on both manual and computer editing procedures. The field program attempts to improve death certificate information by educating the participants in the death registration system about 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 percent sample of death records coded and submitted monthly by the state is 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 percent upper limit for coding differences involving any one data item of these sample records, with the exception of cause of death. A 5.0 percent limit is established for that item due to the complexity of the cause of death coding process.

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.

Injury Cause Definitions

Underlying cause of death is classified according to the tenth revision of the International Classification of Diseases (ICD-10). Current injury 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.

INJURY CAUSE	ICD-10 CODES
<i>All Fatal Injuries</i>	V01-Y36, Y85-Y87, Y89, U01-U03
<i>Unintentional Injuries</i>	V01-X59, Y85-Y86
<i>Motor Vehicle Traffic</i>	V02-V04 (.1, .9), V09.2, V12-V14 (.3-.9), V19 (.4-.6), V20-V28 (.3-.9), V29 (.4-.9), V30-V79 (.4-.9), V80 (.3-.5), V81.1, V82.1, V83-V86 (.0-.3), V87 (.0-.8), V89.2
<i>Unintentional Falls</i>	W00-W19
<i>Poisoning</i>	X40-X49, X60-X69, X85-X90, Y10-Y19, Y35.2, U01 (.6,.7)
<i>Firearm-related</i>	W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0, U01.4
<i>Suicide</i>	X60-X84, Y87.0, U03
<i>Homicide</i>	X85-X99, Y00-Y09, Y87.1, U01-U02

Leading Causes of Injury Death: ICD-10 Codes

These are the injury definitions used in the rankings for leading causes of death.

UNINTENTIONAL INJURY

Falls – W00-W19

Poisoning – X60-X69

MVT – V02-V04 (.1, .9), V09.2, V12-V14 (.3-.9), V19 (.4-.6), V20-V28 (.3-.9), V29 (.4-.9), V30-V79 (.4-.9), V80 (.3-.5), V81.1, V82.1, V83-V86 (.0-.3), V87 (.0-.8), V89.2

Transport – V00-V99 (*all remaining) except for V90, V92

Firearm – W32-W34

Drowning – W65-W74, V90, V92

Suffocation – W75-W84

Fire/Flames – X00-X09

Burn/Scald – X10-X19

Cut/Pierce – W25-W29, W45

Struck By – W20-W22, W50-W52

Bite/Sting – W53-W59, X20-X27, X29

Overexertion – X50

SUICIDE (SELF-INFLICTED INJURY)

Poisoning – X60-X69

Firearm – X72-X74

Hanging – X70

Cut/Pierce – X78

HOMICIDE (ASSAULT INJURY)

Firearm – X93-X95, U01.4

Cut/Pierce – X99

Struck By – Y00, Y04

INJURY OF UNDETERMINED INTENT

Poisoning – Y10-Y19

INJURY HOSPITALIZATIONS

Source of Data

The Pennsylvania Health Care Cost Containment Council (PHC4) is the source for all injury hospitalization data in this report. This data, which includes hospital charge and treatment information, is collected on a quarterly basis and is then verified by PHC4 staff. Please see the PHC4 website www.phc4.org for more information.

The hospitalization injury data set used in this report is a sub-set of the entire inpatient hospitalization data set received from PHC4. The following steps are used to create the hospitalization injury data set:

1. The total hospitalization data set, when received, is grouped by quarter. The four quarters are combined to get a data set for the entire year.
2. A list of facilities in operation for each of the four quarters, also from PHC4, is created. For this report, only specialty general acute care, long term acute care and general acute care facilities are included.
3. The list of facilities is merged with the total hospitalization data set. Only hospitalizations of Pennsylvania residents treated at an acute facility are included.
4. The E-code field is searched. If invalid E-codes are found, the field is changed to a blank. If a location E-code (E849) is found, it is moved to a separate location field.
5. If there is no valid E-code in the E-code field, the primary and secondary diagnosis fields are searched for a valid E-code. The *first* valid E-code found in one of these diagnosis fields is moved to the E-code field.
6. All records with a valid E-code in the E-code field *or* a valid N-code in the primary diagnosis field are included in the hospitalization injury data set. See the chart below for inclusion and exclusion criteria for N-codes.

Include	Exclude
800–909.2	< 800
909.4,909.9	909.3, 909.5
910–994.9	995.0–995.4
995.5–995.59	995.6–995.7
995.80–995.85	995.86,995.89
	995.90–995.94
	996–999

Data Confidentiality

The confidentiality of hospitalization discharge records is maintained by PHC4. The release of individual identifying information by the Pennsylvania Department of Health is forbidden. Please contact PHC4 at www.phc4.org for more information.

Data Quality

The responsibility for hospital data quality testing and editing lies with PHC4. Please contact PHC4 at www.phc4.org for more information.

Some of the limitations to consider when interpreting hospitalization data include:

- Consistency with which E-codes are used and assigned may vary among hospitals;
- Varying specificity among E-codes and the use of non-specific E-codes;
- Lack of injury documentation in medical record leading to incomplete E-coding;
- Injuries with an undetermined intent might be coded by medical records personnel as “unintentional” per national E-code assignment guidelines, likely resulting in substantial under reporting of “intentional” injuries;
- Possibility of double counting some cases because re-admissions and transfers were not removed, for example, this could happen if a patient was admitted to a hospital and then transferred to a different hospital;
- Hospital coding errors are not always captured during the PHC4 editing process and may have resulted in a small number of coding errors being introduced in some fields.

Injury Cause Definitions

Hospitalization data are classified according to the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM). Current coding definitions are based on the *Consensus Recommendations for Using Hospital Discharge Data for Injury Surveillance*, published by the Safe States Alliance (formerly STIPDA) in 2003. The list below shows the cause of hospitalization and corresponding ICD-9-CM external cause of injury codes (E-codes) used to classify injury hospitalizations in this report.

INJURY CAUSE	ICD-9-CM CODES
<i>All Injuries</i>	See ‘Source of Data’ above. Full PHC4 dataset included.
<i>Unintentional Injuries</i>	E800-E869, E880-E929
<i>Motor Vehicle Traffic</i>	E810-E819
<i>Unintentional Falls</i>	E880-E886, E888
<i>Poisoning</i>	E850-E869, E950-E952, E962, E972, E980-E982, E979 (.6, .7)
<i>Self-Poisoning</i>	E950-E952
<i>All Self-Inflicted</i>	E950-E959
<i>All Assault</i>	E960-E969, E979, E999.1

Leading Causes of Injury Hospitalization: ICD-9-CM Codes

These are the injury definitions used in the rankings for leading causes of hospitalization.

UNINTENTIONAL INJURY

Falls – E880-E886, E880

Poisoning – E850-E858, E860-E869

MVT Occupant – E810-E819 (.0-.1)

MVT Motorcycle – E810-E819 (.2-.3)

Pedal Cycle – E800-E807 (.3), E810-E825 (.6), E826-E829 (.1), E826.9

Pedestrian – E800-E807 (.2), E810-E825 (.7), E826-E829 (.0)

Transport – E800-E807 (*), E810-E825 (*), E826-E829 (*), E831, E833-E848
(*all remaining)

Firearm – E922 (.0-.3, .8-.9)

Drowning – E830, E832, E910

Suffocation – E911-E913

Fire/Flames – E890-E899

Burn/Scald – E924

Cut/Pierce – E920

Struck By – E916-E917

Bite/Sting – E905 (.0-.6, .9), E906 (.0-.5, .9)

Overexertion – E927

SELF-INFLICTED INJURY

Poisoning – E950-E952

Firearm – E955 (.0-.4)

Hanging – E953.0

Cut/Pierce – E956

ASSAULT INJURY

Firearm – E965 (.0-.4), E9794

Cut/Pierce – E966

Struck By – E960.0, E968.2

INJURY OF UNDETERMINED INTENT

Poisoning – E980-E982

CALCULATING AND COMPARING RATES

Definitions

AGE-SPECIFIC RATE -

Number of events for a specified age group per 100,000 population of that age.

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 events divided by the total of the standard population and multiplied by 100,000 yields the age-adjusted 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 age distribution for the 2000 United States standard million population, used in calculating rates for this report, is shown below:

2000 US STANDARD POPULATION

<i>All Ages</i>	274,634
0-4	18,987
5-9	19,920
10-14	20,057
15-19	19,820
20-24	18,257
25-29	17,722
30-34	19,511
35-39	22,180
40-44	22,479
45-49	19,806
50-54	17,224
55-59	13,307
60-64	10,654
65-69	9,410
70-74	8,726
75-79	7,415
80-84	4,900
85+	4,259

Reliability of Rates

Rates based on a random sample of a population are subject to error due to sampling variability. Yet 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.

Variation of a 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 small numbers of events, as well as rates for a geographic area or demographic group with very small population, 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 next section details 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 percent of the time. Standard error and confidence intervals are discussed in the section ‘*Comparing Age-Adjusted Rates*’.

Calculating Average Annual Rates

The average annual rate is a ratio of the number of events of interest in an at-risk population over a multi-year period, divided by the sum of populations at-risk each year. Note: the denominator does *not* reflect an estimate of the actual population for the multi-year period, as individuals who lived in the same county for more than one year would be counted more than once. Rather, the number reflects units of time spent in residence.

Use the following formula to compute average annual rate:

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

Where:

k_i = number of events of interest for the i^{th} year of the multi-year period

p_i = population estimate (or Census count) in the i^{th} year of the multi-year period

n = number of years in the multi-year period

Example: Calculating Average Annual Rates

Below is the data for deaths due to unintentional falls in Allegheny County for all persons age 80-84 for the years 2006-2008. Let's use this data to calculate an average annual death rate for this multi-year period.

UNINTENTIONAL FALLS DEATHS, 2006-2008

County	Year	Age	Count	Population
Allegheny	2006	80-84	13	34,461
Allegheny	2007	80-84	16	34,088
Allegheny	2008	80-84	29	33,507

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, $n=3$.

$$\sum_{i=1}^3 k_i = k_1 + k_2 + k_3 = 13 + 16 + 29 = 58$$

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

$$\sum_{i=1}^3 p_i = p_1 + p_2 + p_3 = 34,461 + 34,088 + 33,507 = 102,056$$

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

$$\frac{\sum_{i=1}^3 k_i}{\sum_{i=1}^3 p_i} \times 100,000 = \frac{58}{102,056} \times 100,000 = 57 \text{ deaths per } 100,000 \text{ per year}$$

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):

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

Where:

R = age-adjusted rate

N = number of deaths

As an example, let's use the state's 2004-2008 age-adjusted rate for poisoning deaths of 14.7 to calculate an estimated SE. The rate was based on 8,954 deaths. The square root of 8,954 is 94.6. By dividing the rate of 14.7 by 94.6, one obtains the estimated SE of 0.15. This estimated SE can then be used to compute a 95 percent confidence interval (CI) for the rate. The standard formula for determining the 95 percent CI of a rate is:

$$R \pm (1.96 \times \text{SE})$$

Following this formula for the rate in this example produces a value of $14.7 \pm (1.96 \times 0.15)$, which is equal to 14.7 ± 0.30 . By subtracting and adding 0.30 to the original rate of 14.7, a range is produced. This range (14.4 –15.0) is the estimated 95 percent confidence interval for the rate. One could then state with 95 percent certainty that the actual age-adjusted rate of poisoning deaths for the state during 2004-2008 was between 14.4 and 15.0.

To compare a particular county's age-adjusted poisoning death rate for 2004-2008 with the state's corresponding rate, one repeats the steps shown above to obtain a 95 percent 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 percent confidence level.

Note: Confidence limits in this report are only shown rounded to the nearest tenth. Yet significance tests use the CIs before they are rounded in order to determine significance. Therefore, it is possible for a county's upper or lower confidence limit (rounded) to appear equal to the state's upper or lower confidence limit and have the county rate still be significantly different from the state rate. Comparison of confidence limits is an approximate method.

Example: Comparing Age-Adjusted Rates

As an example, the following table shows the total counts, age-adjusted rates and confidence intervals for poisoning deaths in Pennsylvania, as well as Blair, Cambria and Huntingdon Counties for 2004-2008.

POISONING DEATHS, PA 2004-2008

County	Count	Rate	CI
Pennsylvania	8,954	14.7	14.4-15.0
Blair	97	16.2	12.9-19.4
Cambria	182	26.0	22.2-29.8
Huntingdon	20	8.4	4.7-12.1

Both Blair and Cambria counties had poisoning death rates above the state rate. However, upon closer examination, we see that the state rate fell within the CI for Blair County. Therefore, we can say (with 95 percent confidence) that there was no significant difference between the poisoning death rates in Blair County and Pennsylvania. On the other hand, Cambria County's CI did *not* contain the value of the state rate. Thus, we can say that Cambria County's poisoning death rate was significantly higher than the state's rate for the period of 2004-2008. By similar logic, we can say that Huntingdon County's poisoning death rate was significantly lower than the state's rate for 2004-2008.

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 greater variability (and lower reliability) of rates based on smaller numbers. As a general rule, age-adjusted rates based on fewer than 20 events are considered statistically unreliable (NSR) 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 20 events.

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