

**Injury Deaths and Hospitalizations  
in Pennsylvania  
2008-2012**



## ACKNOWLEDGMENTS

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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 health care system. In 2012, 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 2012, contributing to 6,156 deaths. Overall, injury death rates decreased by 6.5 percent from 2008 to 2009 but increased by 10.7 percent in 2012.

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 2008-2012, intentional injuries represented the second leading cause of death among Pennsylvanians under 20 years. Homicide by firearms was the leading cause of death among blacks, especially black males, over the five-year period, while suicide was the fifth leading cause of death among whites, both males and females. Firearms were the most common mechanism of suicide and homicide, especially among males, in 2008-2012.

Mortality statistics alone do not convey the full impact of injury. In 2012, Pennsylvania hospitals reported 138,474 discharges of residents with injury-related admissions, corresponding to an average of 378 persons per day. About half of all injury hospitalizations were to females age 70 and older, highlighting the prevalence of falls among the elderly. Total charges for hospitalized injury discharges in Pennsylvania in 2012 exceeded \$8.13 billion. Nearly half of these charges, over \$3.91 billion, were billed to Medicare.

Every four minutes, a Pennsylvania resident entered hospital care due to preventable injury in 2012. 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 were persons age 85 and older. Overall, injury hospitalization rates decreased from 1,057.8 hospitalizations per 100,000 population in 2008 to 910.7 hospitalizations per 100,000 population in 2012.

## 2008-2012 COMBINED INJURY REPORT

This report describes Pennsylvania's injury burden from 2008 to 2012, using vital statistics from Pennsylvania Vital Records and Hospital Discharge Data (HDD) compiled by the Pennsylvania Health Care Cost Containment Council.

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 providers of injury interventions should find this information useful for program 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 2008-2012**

## INJURY DEATHS: ALL INJURIES

In 2012, among Pennsylvania residents, there were 8,617 deaths due to injury. On average, one resident died every 61 minutes.

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### Injury Definition

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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 generally **increased** over the 2008 to 2012 period.
- Most common demographic is **white females**, 85 years and older.
- Of all Pennsylvania counties, **Forest** had the highest rate.

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### Trends Over Time

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- Age-adjusted injury death rates decreased by 5 percent from 60.9 in 2008 to 57.7 deaths per 100,000 population in 2009, then increased by 8 percent to 62.3 deaths per 100,000 population in 2012.
- Males had higher age-adjusted injury death rates than females from 2008 to 2012.
- Black males had higher age-adjusted injury death rates than white males from 2008 to 2012.

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### Demographic Trends

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- White males accounted for over half of all injury deaths in 2008 to 2012.
- Males had significantly higher age-adjusted injury death rates than females for all age groups.
- Among males, blacks showed significantly higher age-adjusted injury death rates for ages less than 75, while whites had significantly higher rates for ages 75 and older.
- Among females, blacks showed significantly higher injury death rates for ages less than 20, while whites showed significantly higher rates for ages 75 and older.

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### Regional Trends

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- The Southwest Health District had the highest age-adjusted injury death rate while the North Central Health District had the lowest age-adjusted rate. However, other districts had high age-adjusted rates for certain age groups.
- Fifteen counties had age-adjusted injury death rates for 2008 to 2012 that were significantly higher than the comparable state rate.

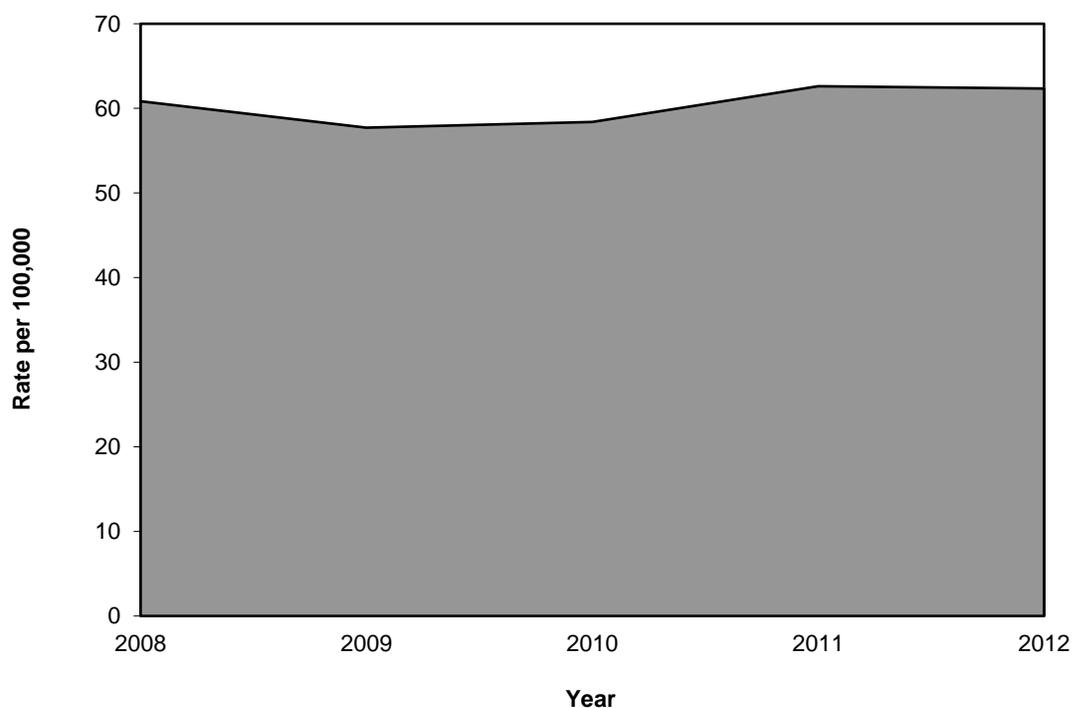
## INJURY DEATHS: ALL INJURIES

### TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	8,061	60.9
2009	7,847	57.7
2010	8,001	58.4
2011	8,618	62.6
2012	8,617	62.3

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### AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	North Central	Northeast	Northwest	South Central	Southeast	Southwest
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
2011	51.4	62.0	65.2	56.0	63.7	67.3
2012	53.9	63.9	65.4	52.6	62.7	67.8

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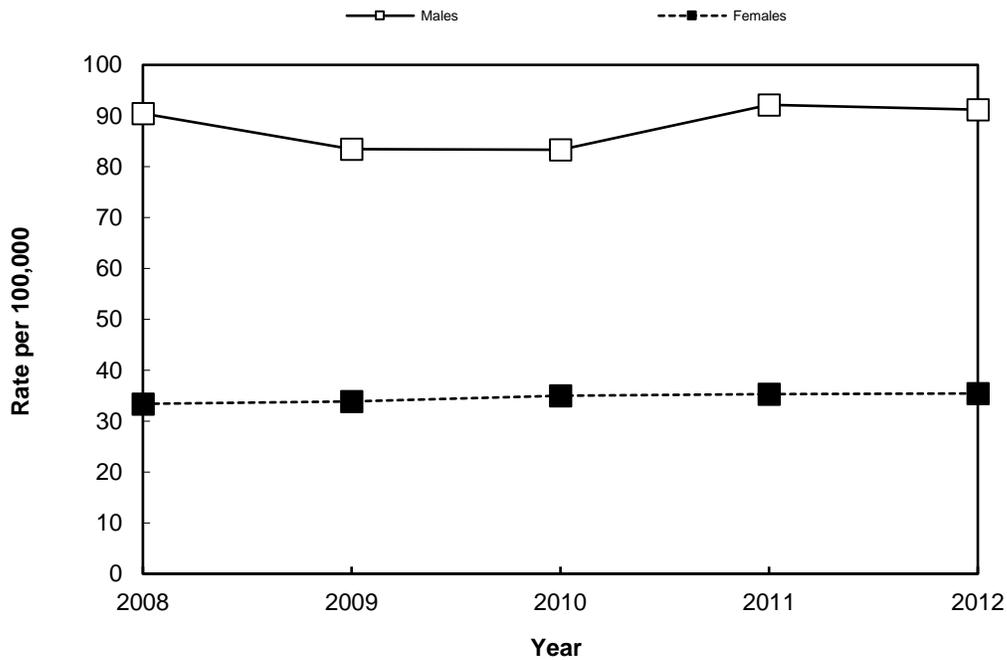
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.

See Technical Notes.

# INJURY DEATHS: ALL INJURIES

## TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	5,875	92.2	2011	2,743	35.3
2012	5,841	91.2	2012	2,775	35.5



## AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

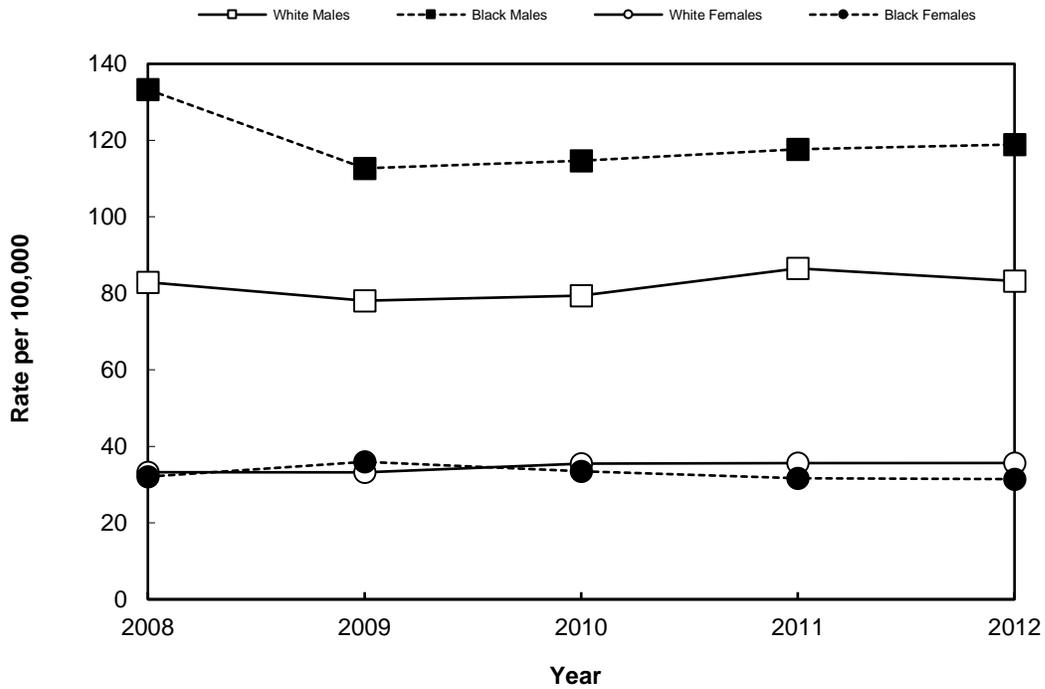
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	90.3	90.8	2008	32.7	35.3
2009	82.8	85.4	2009	32.4	38.1
2010	82.7	85.0	2010	33.5	39.3
2011	92.4	91.8	2011	34.2	38.5
2012	91.8	89.1	2012	34.2	38.7

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: ALL INJURIES

## TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	4,758	802	2,418	235	215	61
2012	4,612	825	2,428	238	264	64



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	86.5	117.6	35.6	31.6	65.0	21.0
2012	83.3	118.9	35.6	31.4	76.0	21.3

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, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>41,144</b>	<b>65.0</b>	<b>27,733</b>	<b>90.0</b>	<b>13,409</b>	<b>41.3</b>		<b>29,422</b>	<b>63.9</b>	<b>11,722</b>	<b>68.0</b>	
< 5	326	8.9	195	10.4	130	7.3	*	228	8.3	98	10.8	*
5-9	147	3.9	88	4.6	59	3.2	*	101	3.6	46	4.7	*
10-14	249	6.3	177	8.8	72	3.7	*	151	5.2	98	9.4	*
15-19	1,959	43.4	1,471	64.2	488	21.9	*	1,369	41.9	590	47.2	*
20-24	3,299	74.4	2,652	117.9	647	29.6	*	2,464	76.9	835	67.7	*
25-29	3,100	79.8	2,424	123.1	676	35.3	*	2,284	77.4	816	87.4	*
30-34	2,611	69.8	2,002	106.5	608	32.6	*	1,899	68.0	712	75.0	*
35-39	2,453	64.4	1,817	95.7	636	33.3	*	1,735	62.0	718	70.9	*
40-44	3,038	71.1	2,153	101.6	885	41.1	*	2,213	70.9	825	71.6	
45-49	3,547	76.9	2,487	109.4	1,060	45.3	*	2,590	77.1	957	76.2	
50-54	3,489	73.6	2,482	106.8	1,007	41.7	*	2,526	73.7	963	73.4	
55-59	2,687	62.0	1,925	91.2	762	34.3	*	1,970	63.5	717	58.3	*
60-64	1,931	52.3	1,422	80.2	509	26.5	*	1,353	51.8	578	53.6	
65-69	1,432	51.2	968	74.3	464	31.1	*	936	48.0	496	58.5	*
70-74	1,419	64.6	926	94.3	493	40.6	*	916	60.1	503	74.9	*
75-79	1,792	99.2	1,105	145.6	687	65.6	*	1,221	96.4	571	105.8	
80-84	2,479	167.0	1,332	232.2	1,147	125.9	*	1,719	163.0	760	176.7	
85 +	5,186	333.1	2,107	428.5	3,079	289.1	*	3,747	334.6	1,439	329.4	

\* 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 DEATHS: ALL INJURIES

### TOTAL NUMBER OF DEATHS BY AGE GROUP WITH CRUDE (AGE-SPECIFIC) DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>22,315</b>	<b>86.0</b>	<b>3,952</b>	<b>118.6</b>		<b>11,762</b>	<b>43.2</b>	<b>1,193</b>	<b>32.7</b>		<b>1,321</b>	<b>37.8</b>
< 5	118	8.2	56	20.9	*	82	6.0	37	14.2	*	21	5.4
5-9	49	3.2	27	10.3	*	39	2.7	15	5.9	*	13	3.7
10-14	119	7.4	38	13.6	*	47	3.1	17	6.4	*	22	6.7
15-19	904	49.4	446	138.3	*	364	20.5	77	24.9	*	127	37.1
20-24	1,754	97.6	691	221.5	*	515	29.5	92	29.8		174	54.6
25-29	1,770	110.9	466	186.2	*	550	35.9	88	34.6		162	55.8
30-34	1,495	97.4	360	159.9	*	499	33.3	78	32.7		137	50.0
35-39	1,368	86.9	304	144.4	*	528	33.7	75	32.7		127	50.4
40-44	1,728	96.2	280	126.5	*	739	41.0	111	45.4		139	60.6
45-49	2,106	107.2	274	123.2	*	900	45.1	121	48.3		114	56.3
50-54	2,099	102.7	276	133.1	*	874	41.8	100	41.4		98	62.6
55-59	1,606	85.5	251	147.2	*	666	34.2	83	40.3	*	53	44.9
60-64	1,206	75.6	170	131.8	*	436	25.6	52	31.2	*	36	42.9
65-69	848	71.5	87	102.2	*	414	30.9	39	33.0		19	33.1
70-74	824	91.9	75	119.8	*	438	40.0	41	43.4		20	52.1
75-79	1,020	145.9	58	127.7	*	624	65.5	35	45.1	*	24	89.6
80-84	1,273	238.1	43	139.7	*	1,073	128.1	51	83.6	*	14	79.7
85 +	2,028	442.0	50	188.4	*	2,974	301.0	81	123.5	*	21	132.8

\* 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. 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, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST					
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate				
<b>TOTAL</b>	<b>3,093</b>	<b>66.9</b>	<b>1,979</b>	<b>56.6</b>	<b>5,083</b>	<b>64.0</b>	<b>9,820</b>	<b>72.6</b>	<b>5,101</b>	<b>60.8</b>	<b>16,214</b>	<b>63.9</b>				
< 5	27	10.7	19	10.7	32	7.5	-	59	8.4	53	10.7	+	128	8.0		
5-9	20	7.5	+	5	NSR	14	3.0		32	4.4	17	3.3	-	60	3.7	
10-14	19	6.6		14	7.4	39	7.8	+	56	7.1	24	4.5	-	95	5.7	
15-19	146	43.2		104	36.4	226	39.8		407	44.7	257	45.7		799	43.5	
20-24	204	65.3		156	42.1	-	388	73.4	690	77.3	363	69.8		1,516	83.7	+
25-29	225	86.8		143	71.3	380	84.5	671	84.1	325	65.2	-	1,362	80.6		
30-34	201	78.0		99	51.8	313	70.0	621	80.6	+	324	65.3		1,068	67.4	
35-39	201	75.0		112	58.8	301	63.4	570	72.7	+	280	55.6	-	984	62.5	
40-44	195	64.3		138	64.5	419	76.7	671	75.1		362	63.1	-	1,264	72.8	
45-49	235	71.0		142	60.5	-	453	76.0	828	83.9	+	399	64.9	-	1,487	80.5
50-54	291	82.8		138	55.6	-	432	71.2	803	75.3		421	66.4	-	1,443	78.2
55-59	180	54.4		111	46.9	-	326	58.8	644	64.5	336	56.5	-	1,102	67.1	+
60-64	162	57.0		96	46.3	-	236	48.3	453	53.3	252	48.4		729	53.4	
65-69	122	55.2		109	65.9	178	47.1	335	53.1	205	50.6		505	49.6		
70-74	132	73.9		103	79.1	177	61.0	322	62.7	239	77.7	+	456	58.1	-	
75-79	147	100.7		115	111.0	230	97.9	465	107.5	253	104.6		582	89.6	-	
80-84	202	169.8		118	144.8	310	161.0	721	191.1	+	326	172.2		802	151.4	-
85 +	384	314.5		257	302.8	629	314.7	1,472	371.3	+	665	342.4		1,832	322.3	

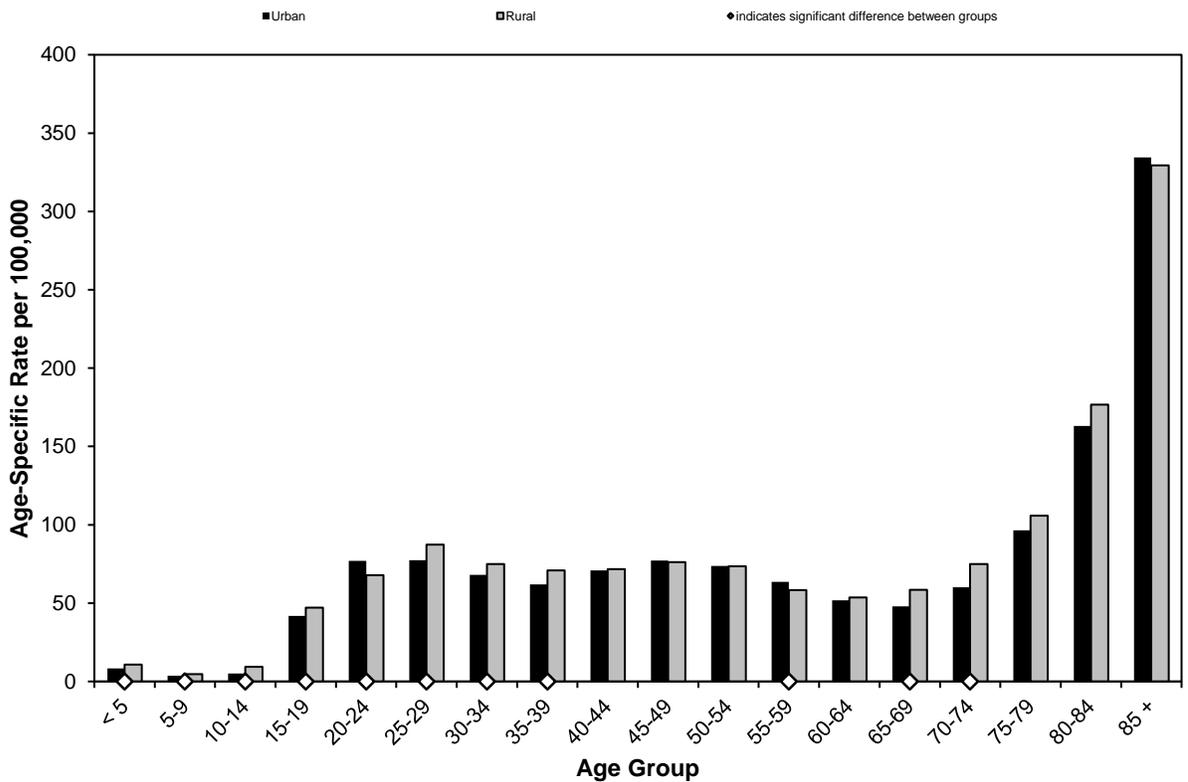
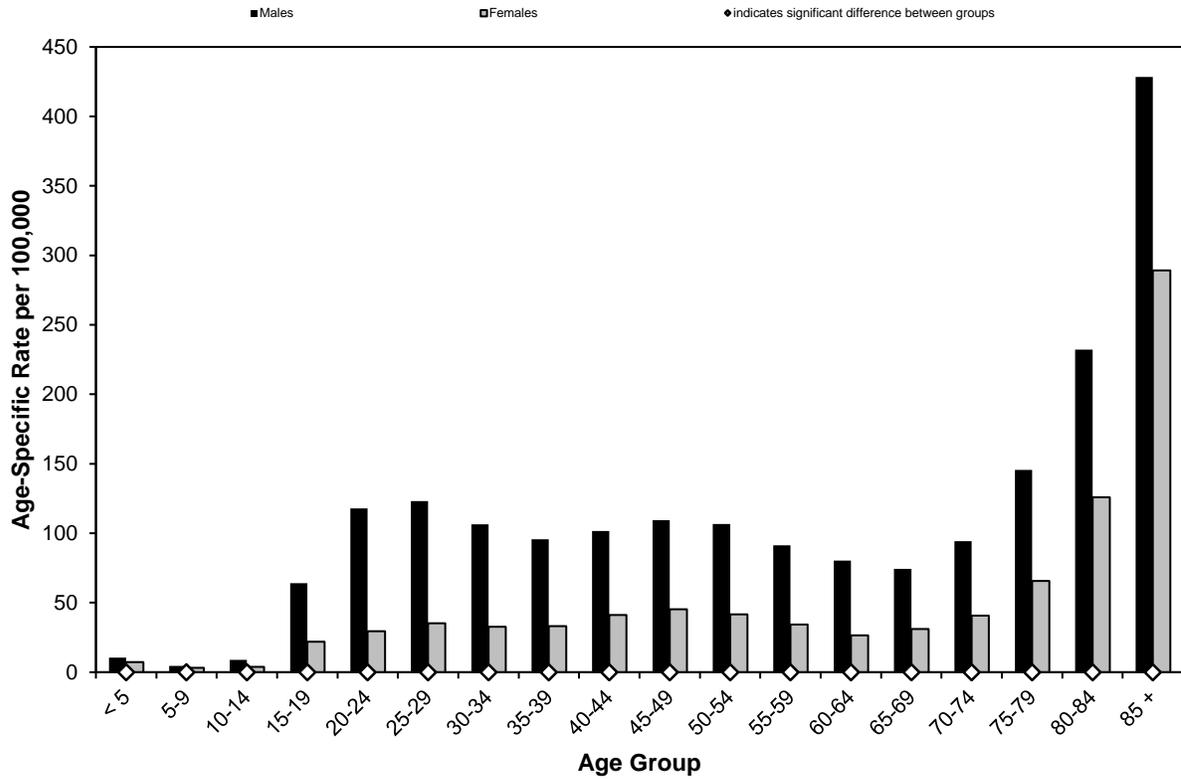
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

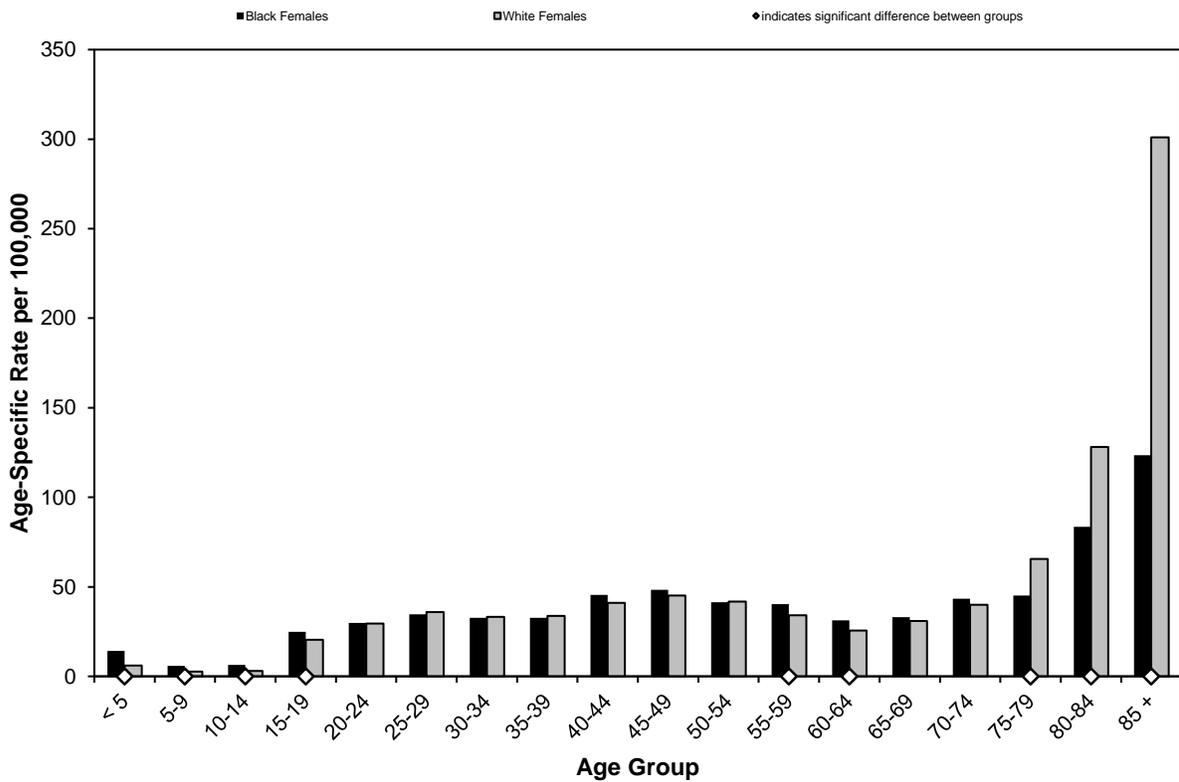
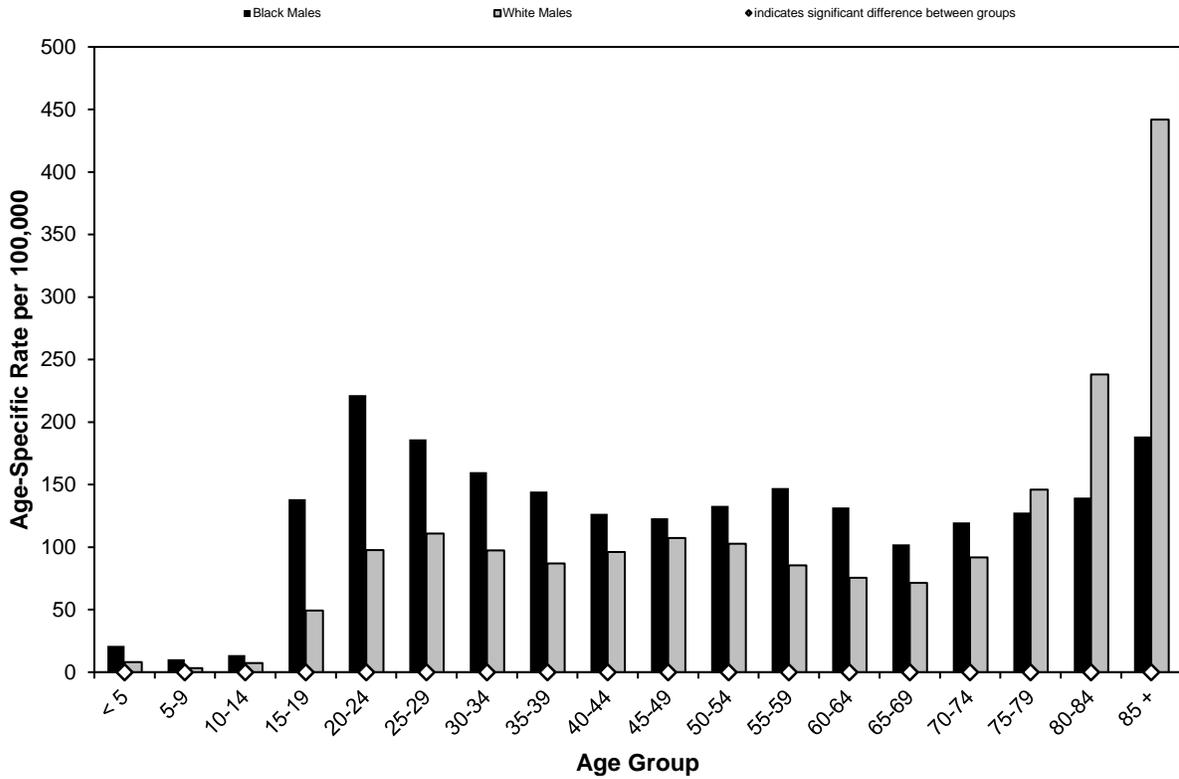
# INJURY DEATH: ALL INJURIES

## AGE-SPECIFIC DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATH: ALL INJURIES

## AGE-SPECIFIC DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



## INJURY DEATH: ALL INJURIES

### NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

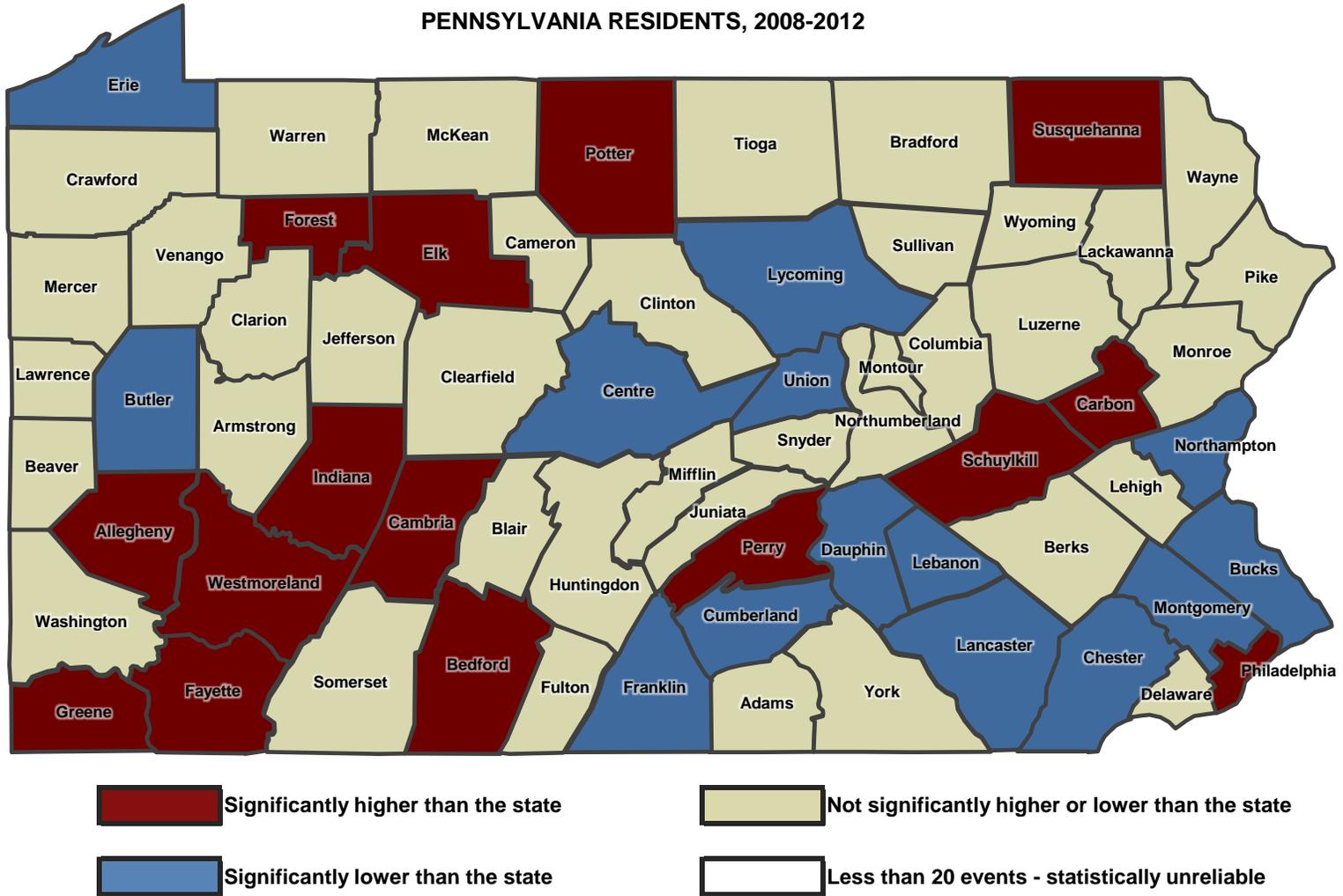
District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	5,083	59.5	57.9-61.1		<b>Southeast</b>	16,214	60.6	59.7-61.5	
Carbon	268	76.0	66.9-85.1	+	Berks	1,273	58.3	55.1-61.5	
Lackawanna	727	63.2	58.6-67.8		Bucks	1,745	53.2	50.7-55.7	-
Lehigh	1,083	57.1	53.7-60.5		Chester	1,090	42.4	39.9-44.9	-
Luzerne	1,083	63.6	59.8-67.4		Delaware	1,839	61.8	59.0-64.6	
Monroe	505	60.6	55.3-65.9		Lancaster	1,388	50.3	47.7-52.9	-
Northampton	800	48.6	45.2-52.0	-	Montgomery	2,151	48.5	46.5-50.5	-
Pike	163	54.3	46.0-62.6		Philadelphia	6,120	78.6	76.6-80.6	+
Susquehanna	163	77.2	65.3-89.1	+	Schuylkill	608	75.6	69.6-81.6	+
Wayne	193	67.8	58.2-77.4						
Wyoming	98	71.1	57.0-85.2						
<b>North Central</b>	1,946	52.0	49.7-54.3	-	<b>South Central</b>	4,988	56.0	54.4-57.6	-
Bradford	222	68.3	59.3-77.3		Adams	315	60.1	53.5-66.7	
Centre	297	41.8	37.0-46.5	-	Bedford	206	79.7	68.8-90.6	+
Clinton	102	50.6	40.8-60.4		Blair	443	62.2	56.4-68.0	
Columbia	196	57.6	49.6-65.7		Cumberland	559	43.2	39.6-46.8	-
Lycoming	313	49.0	43.6-54.5	-	Dauphin	736	53.5	49.6-57.4	-
Montour	56	54.1	40.0-68.3		Franklin	419	52.5	47.5-57.5	-
Northumberland	309	59.6	53.0-66.2		Fulton	64	79.4	59.9-98.9	
Potter	72	81.9	63.0-100.8	+	Huntingdon	171	69.5	59.1-79.9	
Snyder	110	52.5	42.7-62.4		Juniata	90	69.1	54.8-83.4	
Sullivan	32	88.1	57.6-118.7		Lebanon	358	48.3	43.3-53.3	-
Tioga	134	60.2	50.0-70.4		Mifflin	161	63.2	53.4-73.0	
Union	103	41.0	33.1-49.0	-	Perry	160	72.0	60.8-83.2	+
					York	1,306	57.5	54.4-60.6	
<b>Northwest</b>	3,093	61.7	59.5-63.9		<b>Southwest</b>	9,820	64.8	63.5-66.1	+
Cameron	28	89.8	56.5-123.1		Allegheny	4,335	62.5	60.6-64.4	+
Clarion	136	65.6	54.6-76.6		Armstrong	251	67.2	58.9-75.5	
Clearfield	294	64.0	56.7-71.3		Beaver	618	65.1	60.0-70.2	
Crawford	304	65.6	58.2-73.0		Butler	521	52.3	47.8-56.8	-
Elk	133	75.7	62.8-88.6	+	Cambria	616	76.1	70.1-82.1	+
Erie	815	55.5	51.7-59.3	-	Fayette	550	74.9	68.6-81.2	+
Forest	36	98.9	66.6-131.2	+	Greene	179	85.6	73.1-98.1	+
Jefferson	170	71.1	60.4-81.8		Indiana	348	77.2	69.1-85.3	+
Lawrence	314	62.5	55.6-69.4		Somerset	300	66.8	59.2-74.4	
McKean	133	57.0	47.3-66.7		Washington	706	62.2	57.6-66.8	
Mercer	377	58.2	52.3-64.1		Westmoreland	1,396	67.7	64.1-71.3	+
Venango	203	67.9	58.6-77.2						
Warren	150	68.8	57.8-79.8		<b>Pennsylvania</b>	<b>41,144</b>	<b>60.4</b>	<b>59.8-61.0</b>	

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, 2008-2012



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, 2008-2012

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	27,733	13,409	<b>41,142</b>	3,436	21.6	8,979	74.4	9,194	72.4	7,779	61.0	11,756	119.5
<b>Northeast</b>	3,376	1,706	<b>5,082</b>	354	18.1	1,075	75.4	1,209	74.8	954	57.8	1,491	115.1
Carbon	175	93	268	29	40.5	56	101.2	74	110.4	47	65.8	62	107.9
Lackawanna	464	263	727	43	17.1	164	82.2	172	84.1	143	66.0	205	108.2
Lehigh	692	390	1,082	53	11.7	207	63.4	232	65.5	197	57.5	394	149.8
Luzerne	736	347	1,083	62	17.1	259	89.8	281	87.5	198	60.4	283	98.3
Monroe	357	148	505	40	17.6	112	76.8	125	68.9	106	59.7	122	113.0
Northampton	524	276	800	51	13.4	147	54.3	167	54.9	139	46.0	296	127.9
Pike	111	52	163	20	28.4	31	73.4	50	79.4	36	53.3	26	54.1
Susquehanna	117	46	163	15	30.5	46	140.2	31	75.4	28	55.8	43	114.7
Wayne	128	65	193	27	49.3	30	74.4	54	102.2	36	57.1	46	91.5
Wyoming	72	26	98	14	39.2	23	98.3	23	82.8	24	78.3	14	61.3
<b>Southeast</b>	11,218	4,995	<b>16,213</b>	1,082	16.1	3,946	77.6	3,735	72.4	3,274	67.5	4,177	117.6
Berks	885	387	1,272	88	15.7	257	68.6	274	65.2	258	65.3	396	132.6
Bucks	1,181	564	1,745	74	9.4	391	76.7	392	56.9	367	53.9	521	113.3
Chester	736	354	1,090	71	10.3	238	54.2	224	41.1	244	48.8	313	96.6
Delaware	1,244	595	1,839	100	13.4	440	81.7	417	74.7	401	73.0	481	120.1
Lancaster	907	481	1,388	126	17.5	271	55.6	263	52.8	247	50.9	481	123.3
Montgomery	1,341	810	2,151	93	9.3	409	58.0	419	48.9	404	50.3	826	136.6
Philadelphia	4,513	1,607	6,120	483	23.6	1,819	95.7	1,596	111.3	1,226	95.4	996	106.1
Schuylkill	411	197	608	47	29.2	121	93.8	150	94.8	127	82.4	163	121.0

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	27,733	13,409	<b>41,142</b>	3,436	21.6	8,979	74.4	9,194	72.4	7,779	61.0	11,756	119.5
<b>North Central</b>	1,317	629	<b>1,946</b>	298	35.1	371	49.4	391	60.6	351	52.2	535	96.5
Bradford	159	63	222	32	41.2	44	88.9	47	76.2	44	66.0	55	99.7
Centre	202	95	297	20	10.7	62	25.4	60	49.0	53	45.7	102	117.7
Clinton	73	29	102	20	40.0	22	56.6	23	67.2	15	40.5	22	69.3
Columbia	131	65	196	48	57.7	41	58.4	44	74.0	26	40.2	37	68.1
Lycoming	210	103	313	60	42.7	58	51.7	76	67.2	53	43.8	66	68.1
Montour	36	20	56	12	55.8	9	NSR	7	NSR	13	65.0	15	88.9
Northumberland	203	106	309	46	43.4	51	64.8	61	65.0	48	48.0	103	117.9
Potter	49	23	72	15	70.3	16	123.0	11	69.0	19	100.6	11	65.6
Snyder	71	39	110	13	25.0	21	54.5	18	48.0	15	39.6	43	143.9
Sullivan	19	13	32	8	NSR	7	NSR	4	NSR	13	174.8	0	NSR
Tioga	92	42	134	14	26.4	21	57.3	27	72.4	32	73.4	40	105.5
Union	72	31	103	10	19.7	19	37.5	13	27.2	20	50.4	41	124.4
<b>South Central</b>	3,289	1,699	<b>4,988</b>	603	28.6	957	63.3	1,090	63.7	835	49.0	1,503	115.4
Adams	222	93	315	65	50.1	71	79.6	74	70.5	37	35.5	68	85.6
Bedford	139	67	206	46	78.0	46	118.1	41	81.2	26	49.0	47	100.8
Blair	272	171	443	25	16.3	88	78.5	83	68.3	83	62.4	164	145.2
Cumberland	350	209	559	85	29.6	91	38.9	132	56.3	89	38.0	162	87.6
Dauphin	508	228	736	60	17.7	156	62.9	167	61.1	148	53.2	205	111.1
Franklin	261	158	419	35	18.0	78	60.0	83	56.6	73	50.6	150	119.9
Fulton	39	25	64	11	60.1	7	NSR	11	71.5	15	98.2	20	154.6
Huntingdon	117	54	171	26	49.8	35	79.2	30	62.9	25	53.3	55	146.2
Juniata	67	23	90	12	38.7	17	84.0	18	75.3	18	74.0	25	120.6
Lebanon	224	134	358	19	11.4	63	52.5	65	50.2	70	52.8	141	124.2
Mifflin	108	53	161	23	38.9	25	66.6	33	72.5	25	53.5	55	126.6
Perry	103	57	160	17	28.8	40	102.4	43	89.0	28	55.6	32	101.4
York	879	427	1,306	179	32.1	240	62.3	310	66.1	198	44.8	379	122.7

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	27,733	13,409	41,142	3,436	21.6	8,979	74.4	9,194	72.4	7,779	61.0	11,756	119.5
<b>Northwest</b>	2,079	1,014	<b>3,093</b>	362	31.7	644	77.7	646	71.6	592	61.3	849	107.9
Cameron	14	14	28	5	NSR	6	NSR	6	NSR	11	174.3	0	NSR
Clarion	101	35	136	29	58.1	26	64.1	31	86.9	19	48.3	31	92.3
Clearfield	208	86	294	53	59.6	59	81.8	61	68.5	43	49.7	78	107.3
Crawford	208	96	304	19	16.7	63	83.3	68	80.7	66	70.2	88	118.8
Elk	95	38	133	20	54.8	29	126.3	29	84.9	21	59.1	34	112.0
Erie	555	260	815	57	15.5	188	66.5	181	67.4	166	60.0	223	108.6
Forest	25	11	36	6	NSR	9	NSR	5	NSR	9	NSR	7	NSR
Jefferson	121	49	170	17	31.5	40	106.6	28	63.9	36	74.8	49	118.6
Lawrence	194	120	314	28	25.6	55	74.7	58	67.0	70	71.9	103	121.0
McKean	83	50	133	29	55.1	25	64.9	35	78.7	20	45.6	24	64.8
Mercer	245	132	377	27	18.6	71	72.8	73	65.8	79	65.3	127	118.8
Venango	126	77	203	33	50.4	39	90.6	47	90.1	26	41.5	58	117.9
Warren	104	46	150	39	82.4	34	107.8	24	59.3	26	54.7	27	69.5
<b>Southwest</b>	6,454	3,366	<b>9,820</b>	737	23.5	1,986	80.7	2,123	79.7	1,773	60.8	3,201	136.2
Allegheny	2,847	1,488	4,335	254	18.0	884	73.2	886	74.8	867	67.6	1,444	140.7
Armstrong	169	82	251	14	17.6	52	98.7	50	72.3	51	66.2	84	131.3
Beaver	431	187	618	36	18.4	132	93.3	116	68.8	123	64.4	211	132.9
Butler	349	172	521	35	14.8	115	73.9	96	49.4	98	50.5	177	125.6
Cambria	391	225	616	69	42.5	126	101.3	135	97.6	85	54.1	201	148.5
Fayette	366	184	550	32	20.3	123	105.7	145	102.6	78	50.2	172	138.3
Greene	120	59	179	17	38.7	40	107.0	42	104.0	40	94.6	40	133.3
Indiana	234	114	348	25	22.3	75	78.4	75	98.6	57	65.3	116	164.9
Somerset	196	104	300	35	42.6	61	91.9	56	69.9	37	43.7	111	151.7
Washington	449	257	706	77	31.6	138	77.9	181	87.8	113	49.4	197	107.7
Westmoreland	902	494	1,396	143	35.4	240	83.6	341	93.0	224	54.1	448	130.0

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, 2008-2012

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	790	95.4	88.7-102.0	Allegheny	3,458	57.3	55.4-59.2	Berks	139	51.1	42.6-59.6
Chester	81	52.5	41.1-64.0	Chester	966	41.8	39.2-44.4	Lancaster	74	36.2	28.0-44.4
Dauphin	144	61.2	51.2-71.2	Dauphin	546	49.1	45.0-53.2	Lehigh	119	57.1	46.8-67.4
Delaware	321	58.6	52.2-65.0	Delaware	1,463	63.9	60.6-67.2	Philadelphia	540	65.6	60.1-71.2
Montgomery	154	43.4	36.5-50.2	Montgomery	1,916	50.2	48.0-52.4				
Philadelphia	2,926	85.6	82.5-88.7	Philadelphia	2,481	67.5	64.8-70.2				
Pennsylvania	5,145	73.6	71.6-75.6	Pennsylvania	34,079	57.4	56.8-58.0	Pennsylvania	1,321	44.1	41.8-46.5

## NUMBER FOR SELECT AGE GROUPS AND AGE-SPECIFIC DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

Select Counties		Pct.	Sex		Total	Pct.	Ages 0-19		Ages 20-34		Ages 35-49		Ages 50-64		Ages 65+	
County	Race	Cty. Pop.	Male	Female	All Ages	Cty. Total	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Allegheny	Black	13.4%	599.0	191	<b>790</b>	18.2%	140	52.9	268	152.8	152	101.7	146	104.0	84	93.0
	White	82.1%	2,183	1,275	<b>3,458</b>	79.8%	104	9.9	580	60.9	722	73.5	704	63.1	1,348	146.4
Chester	Black	6.3%	62	19	<b>81</b>	7.4%	9	18.1	32	90.0	16	53.8	14	54.4	10	63.1
	White	87.9%	643	323	<b>966</b>	88.6%	57	9.7	183	49.0	202	42.2	225	49.1	299	99.5
Dauphin	Black	18.3%	103	41	<b>144</b>	19.6%	34	41.5	42	85.5	32	66.1	21	51.6	15	70.6
	White	75.3%	370	176	<b>546</b>	74.2%	20	9.1	105	58.5	119	57.3	118	51.9	184	115.6
Delaware	Black	19.6%	243	78	<b>321</b>	17.5%	44	23.8	118	91.3	69	61.6	64	79.6	26	62.2
	White	73.7%	957	506	<b>1,463</b>	79.6%	49	9.9	307	83.3	334	82.5	325	73.3	448	129.3
Montgomery	Black	8.9%	105	49	<b>154</b>	7.2%	26	25.3	44	58.5	41	51.4	20	32.7	23	65.2
	White	82.7%	1,175	741	<b>1,916</b>	89.1%	60	7.6	342	61.4	361	51.8	368	52.9	785	143.7
Philadelphia	Black	44.8%	2,283	643	<b>2,926</b>	47.8%	338	32.0	1,028	136.1	683	104.4	542	94.1	335	91.2
	White	45.0%	1,676	805	<b>2,481</b>	40.5%	61	8.2	549	60.1	712	112.2	565	93.0	594	113.4
Pennsylvania	Black	11.0%	3,952	1,193	<b>5,145</b>	12.5%	713	32.1	1,775	111.7	1,165	84.5	932	83.1	560	83.9
	White	84.1%	22,315	11,762	<b>34,077</b>	82.8%	1,723	13.8	6,584	67.9	7,369	68.9	6,887	61.2	11,516	128.1

## INJURY DEATHS: UNINTENTIONAL FALLS

In 2012, among Pennsylvania residents, there were 1,465 deaths due to unintentional falls. On average, one resident died every six hours.

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### Injury Definition

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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 generally **increased** from 2008 to 2012.
- Most common demographic is residents age **85 and older**.
- Of all Pennsylvania counties, **Huntingdon** had the highest rate.

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### Trends Over Time

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- Age-adjusted death rate for unintentional falls decreased by 1 percent from 8.0 deaths per 100,000 population in 2008 to 7.9 deaths per 100,000 population in 2009. It then increased by 5 percent from 7.9 deaths per 100,000 population in 2009 to 8.3 deaths per 100,000 population in 2012.
- Males had higher age-adjusted falls death rates than females from 2008 to 2012.
- White males age 65 and older had higher age-adjusted falls death rates than black males age 65 and older.

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### Demographic Trends

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- For some age groups, especially among Hispanic population and black females, age-adjusted rates could not be calculated because of low counts.
- Ages 80 and older accounted for over half of all falls deaths. While males had the highest rates in this age group, white females accounted for the majority of falls deaths in this age group. This reflects disparities in underlying population.

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### Regional Trends

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- The Southwest Health District had the highest age-adjusted falls death rate while the North Central Health District had the lowest rate.
- Eight counties had age-adjusted falls death rates for 2008 to 2012 that were significantly higher than the comparable state rate: Allegheny, Blair, Cambria, Huntingdon, Lehigh, Montgomery, Westmoreland and York.

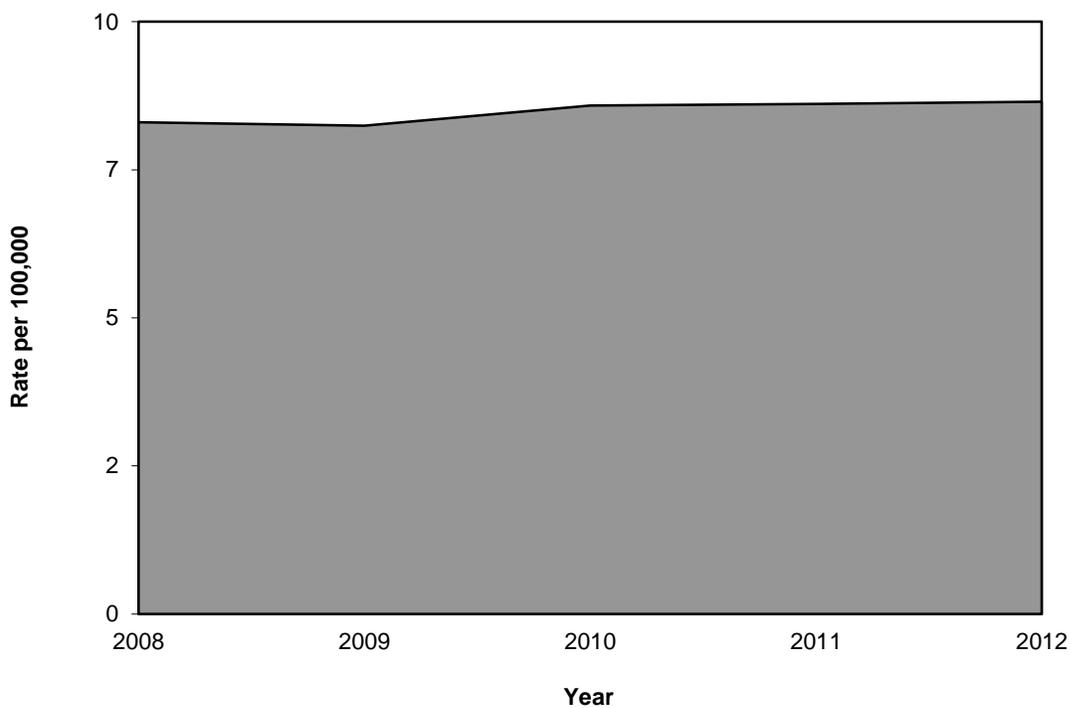
## INJURY DEATHS: UNINTENTIONAL FALLS

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	1,266	8.0
2009	1,329	7.9
2010	1,401	8.2
2011	1,429	8.3
2012	1,465	8.3

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### AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	6.0	7.4	7.7	7.2	8.6	9.7
2009	7.3	5.9	6.3	8.3	8.9	8.4
2010	7.4	5.7	6.8	8.0	8.7	10.0
2011	6.0	6.0	7.3	8.3	7.4	10.5
2012	7.3	6.0	6.9	7.9	8.2	10.5

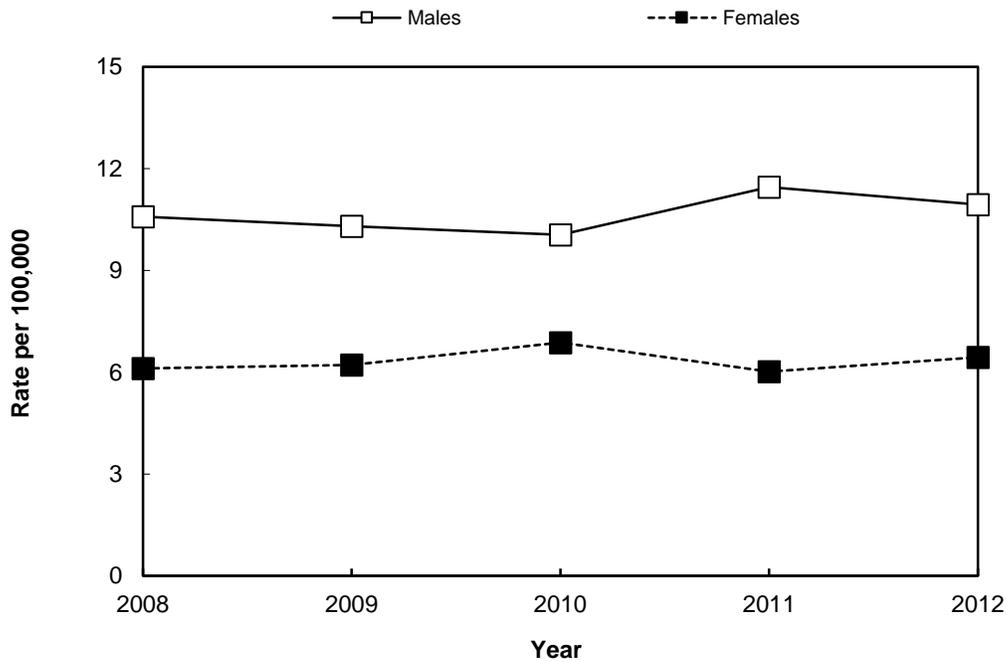
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.  
See Technical Notes.

# INJURY DEATHS: UNINTENTIONAL FALLS

## TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2008	641	10.6	2008	625	6.1
2009	660	10.3	2009	669	6.2
2010	654	10.1	2010	747	6.9
2011	762	11.5	2011	667	6.0
2012	745	10.9	2012	720	6.4



## AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

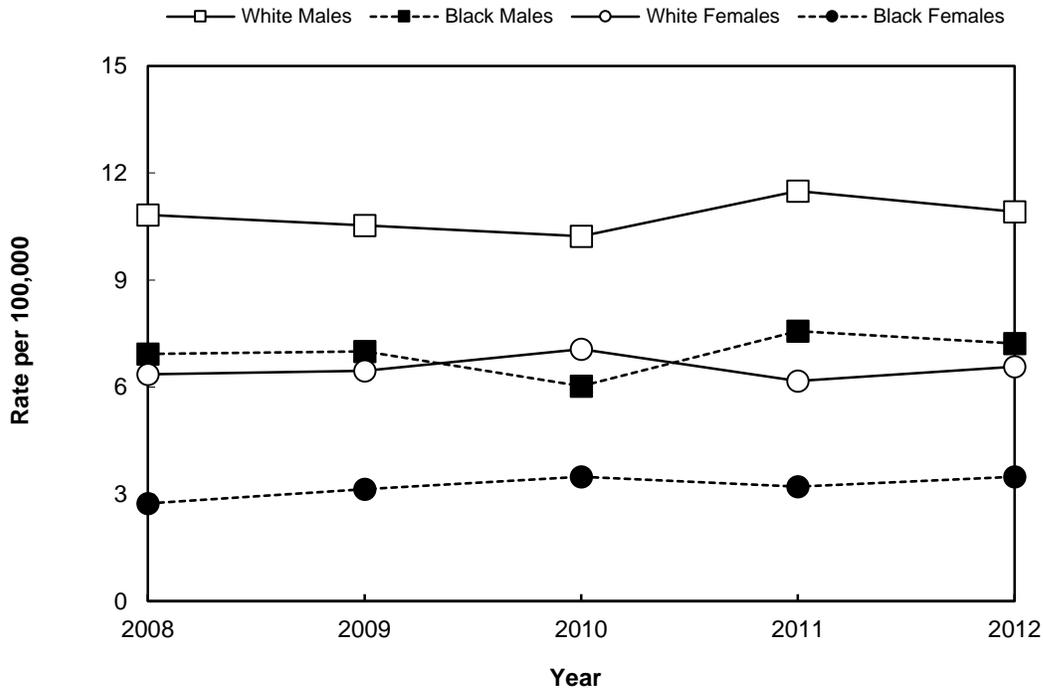
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	10.7	10.2	2008	6.2	6.0
2009	10.4	10.0	2009	6.3	6.0
2010	10.4	9.3	2010	7.1	6.2
2011	12.0	10.2	2011	6.4	5.0
2012	11.5	9.6	2012	6.3	6.8

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 DEATHS: UNINTENTIONAL FALLS

## TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2008	597	34	597	20	8	5
2009	617	31	641	22	6	3
2010	608	28	706	25	10	8
2011	701	35	633	24	11	4
2012	680	36	677	25	15	9



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	11.5	7.6	6.2	3.2	NSR	NSR
2012	10.9	7.2	6.6	3.5	NSR	NSR

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 DEATHS: UNINTENTIONAL FALLS

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate								
<b>TOTAL</b>	<b>6,890</b>	<b>10.9</b>	<b>3,462</b>	<b>11.2</b>	<b>3,428</b>	<b>10.6</b>	<b>5,061</b>	<b>11.0</b>	<b>1,829</b>	<b>10.6</b>
< 5	10	0.3	6	NSR	4	NSR	7	NSR	3	NSR
5-9	5	NSR	1	NSR	4	NSR	5	NSR	0	NSR
10-14	3	NSR	2	NSR	1	NSR	1	NSR	2	NSR
15-19	12	0.3	10	0.4	2	0.1	11	0.3	1	0.1
20-24	25	0.6	19	0.8	6	0.3	18	0.6	7	0.6
25-29	30	0.8	24	1.2	6	0.3	20	0.7	10	1.1
30-34	24	0.6	16	0.9	8	0.4	19	0.7	5	0.5
35-39	43	1.1	38	2.0	5	0.3	30	1.1	13	1.3
40-44	72	1.7	52	2.5	20	0.9	51	1.6	21	1.8
45-49	130	2.8	92	4.0	38	1.6	102	3.0	28	2.2
50-54	168	3.5	127	5.5	41	1.7	124	3.6	44	3.4
55-59	256	5.9	191	9.1	65	2.9	192	6.2	64	5.2
60-64	283	7.7	187	10.6	96	5.0	197	7.5	86	8.0
65-69	327	11.7	200	15.4	127	8.5	230	11.8	97	11.4
70-74	423	19.3	247	25.2	176	14.5	280	18.4	143	21.3
75-79	761	42.1	435	57.3	326	31.1	545	43.0	216	40.0
80-84	1,284	86.5	633	110.4	651	71.5	925	87.7	359	83.5
85 +	3,034	194.9	1,182	240.4	1,852	173.9	2,304	205.7	730	167.1

\* 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 INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>3,203</b>	<b>12.3</b>	<b>164</b>	<b>4.9</b>	<b>3,254</b>	<b>12.0</b>	<b>116</b>	<b>3.2</b>	<b>79</b>	<b>2.3</b>		
< 5	4	NSR	1	NSR	0	NSR	2	NSR	2	NSR		
5-9	0	NSR	1	NSR	4	NSR	0	NSR	0	NSR		
10-14	2	NSR	0	NSR	1	NSR	0	NSR	0	NSR		
15-19	9	NSR	0	NSR	2	NSR	0	NSR	0	NSR		
20-24	18	1.0	1	NSR	4	NSR	1	NSR	1	NSR		
25-29	17	1.1	3	NSR	3	NSR	3	NSR	3	NSR		
30-34	13	0.8	1	NSR	5	NSR	3	NSR	1	NSR		
35-39	29	1.8	8	NSR	4	NSR	1	NSR	1	NSR		
40-44	45	2.5	2	NSR	18	1.0	2	NSR	3	NSR		
45-49	77	3.9	9	NSR	34	1.7	2	NSR	5	NSR		
50-54	104	5.1	16	7.7	*	36	1.7	4	NSR	6	NSR	
55-59	162	8.6	24	14.1	*	60	3.1	5	NSR	5	NSR	
60-64	161	10.1	19	14.7	*	86	5.1	8	NSR	7	NSR	
65-69	178	15.0	12	14.1		119	8.9	8	NSR	4	NSR	
70-74	228	25.4	14	22.4		157	14.3	13	13.8	7	NSR	
75-79	406	58.1	13	28.6	*	302	31.7	9	NSR	13	48.5	
80-84	607	113.5	17	55.2	*	619	73.9	19	31.1	*	7	NSR
85 +	1,143	249.1	23	86.7	*	1,800	182.2	36	54.9	*	14	88.5

\* 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: UNINTENTIONAL FALLS

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST					
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate				
<b>TOTAL</b>	<b>443</b>	<b>9.6</b>	<b>279</b>	<b>6.2</b>	<b>764</b>	<b>9.6</b>	<b>2,492</b>	<b>9.8</b>	<b>885</b>	<b>8.4</b>	<b>2,027</b>	<b>15.0</b>				
< 5	0	NSR	2	NSR	2	NSR	3	NSR	6	NSR	0	NSR				
5-9	0	NSR	0	NSR	0	NSR	4	NSR	5	NSR	1	NSR				
10-14	1	NSR	1	NSR	0	NSR	0	NSR	3	NSR	1	NSR				
15-19	1	NSR	1	NSR	1	NSR	5	NSR	7	NSR	4	NSR				
20-24	2	NSR	0	NSR	6	NSR	11	0.6	12	NSR	4	NSR				
25-29	4	NSR	0	NSR	1	NSR	11	0.7	14	NSR	5	NSR				
30-34	1	NSR	1	NSR	1	NSR	8	0.5	15	NSR	8	NSR				
35-39	3	NSR	3	NSR	2	NSR	12	0.8	-	19	1.8	13	1.7	+		
40-44	6	NSR	6	NSR	8	NSR	23	1.3	-	21	2.0	21	2.4	+		
45-49	5	NSR	5	NSR	17	2.9	57	3.1		23	2.5	35	3.5	+		
50-54	9	NSR	6	NSR	25	4.1	71	3.8		32	3.5	41	3.8			
55-59	19	5.7	11	4.9	28	5.1	106	6.5		33	3.7	69	6.9	+		
60-64	15	5.3	-	15	8.1	36	7.4	109	8.0		42	6.4	68	8.0		
65-69	32	14.5	+	13	8.1	33	8.7	-	120	11.8	37	6.3	-	93	14.7	+
70-74	35	19.6		18	12.6	47	16.2	-	131	16.7	66	17.9		117	22.8	
75-79	55	37.7		38	32.3	83	35.3	-	250	38.5	104	36.5		221	51.1	+
80-84	84	70.6	-	58	75.2	153	79.5		425	80.2	175	94.5	+	400	106.0	+
85 +	171	140.0	-	101	141.1	321	160.6	-	1,146	201.6	272	173.6		926	233.6	+

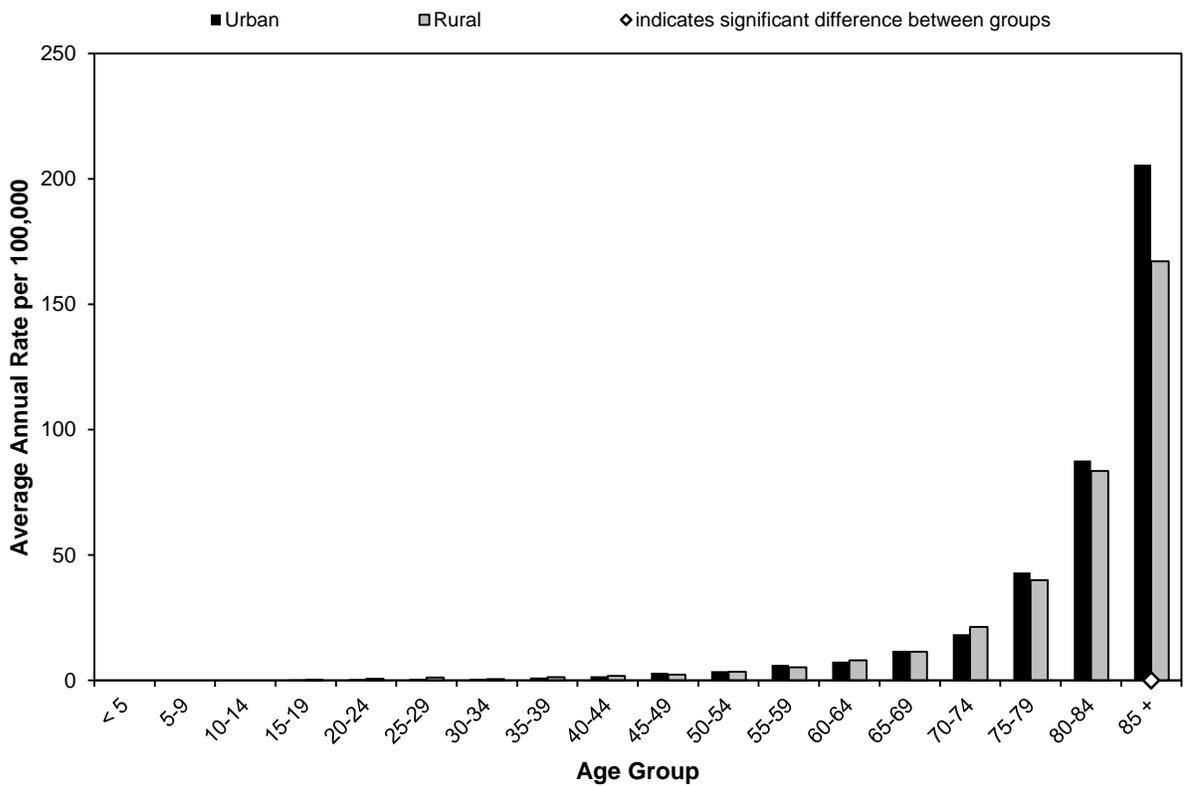
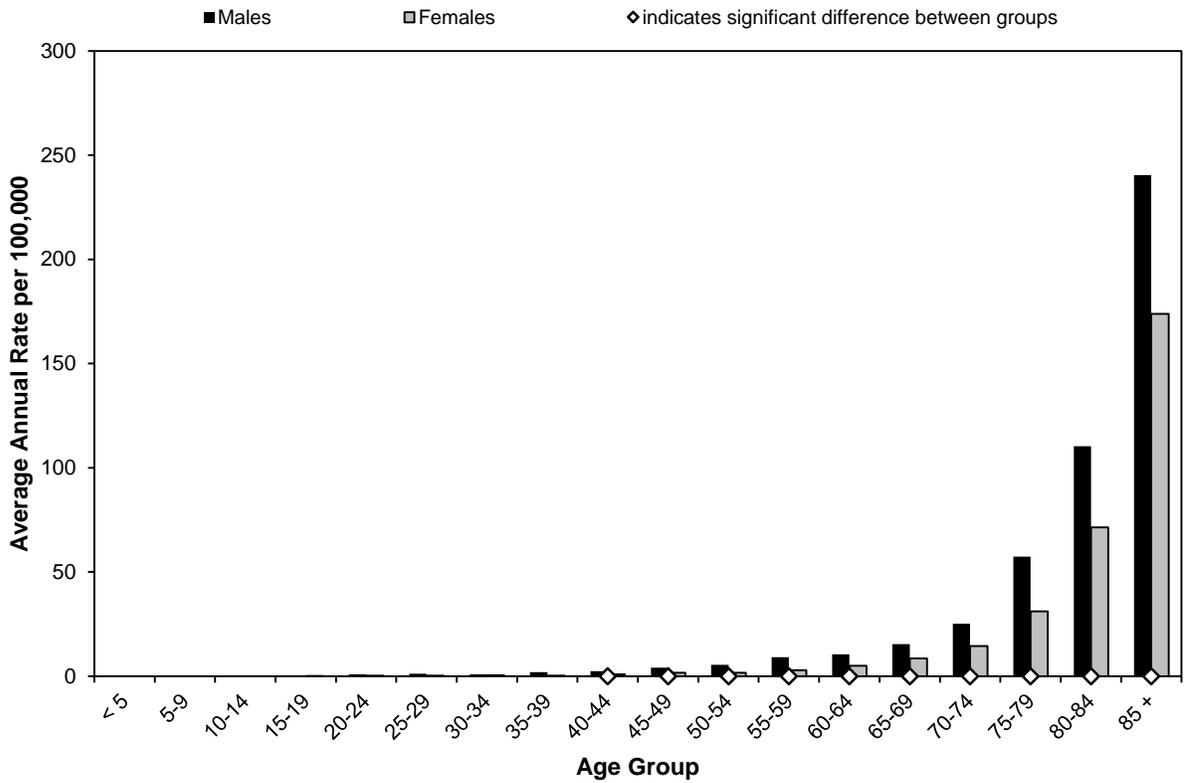
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

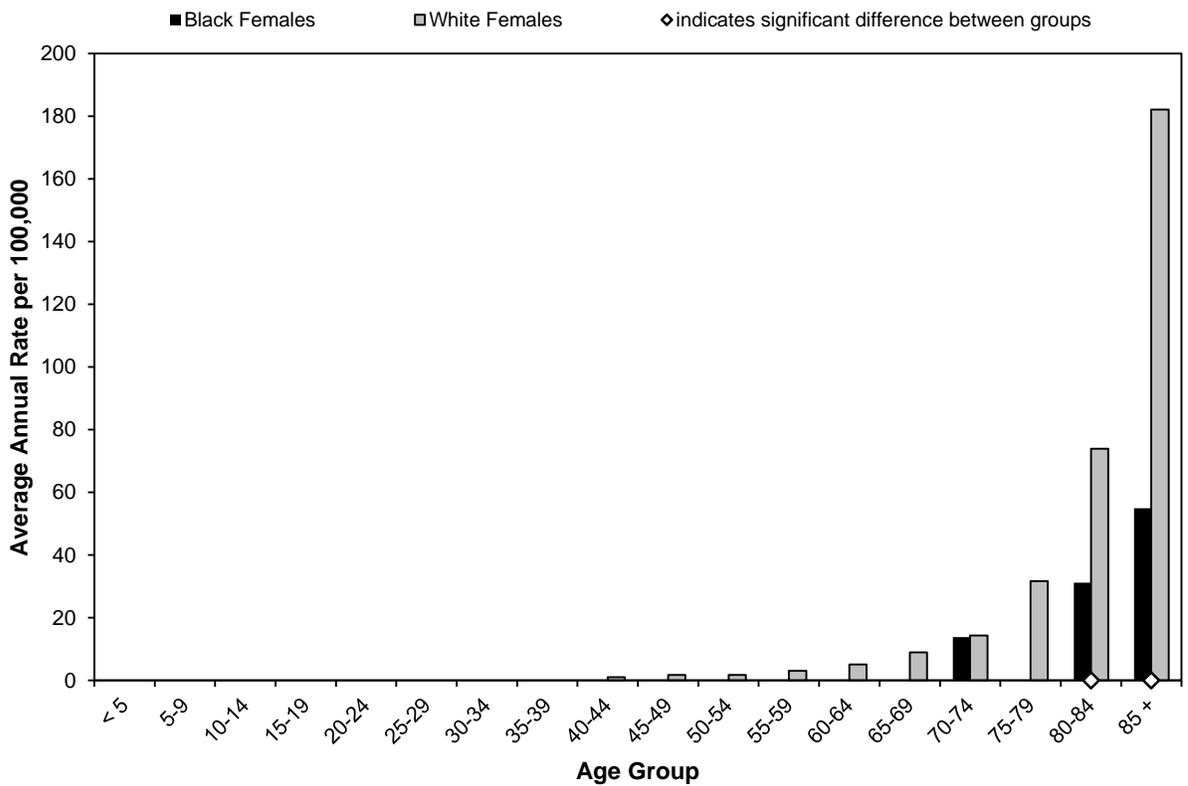
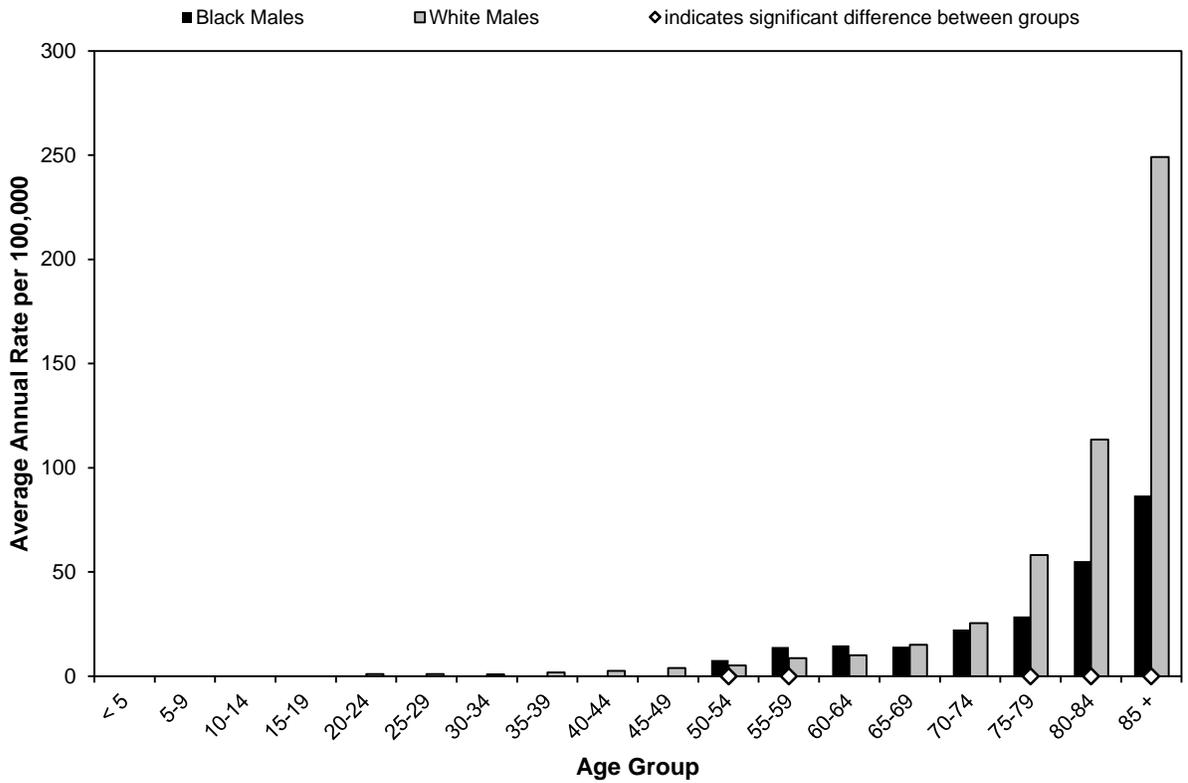
# INJURY DEATHS: UNINTENTIONAL FALLS

AVERAGE ANNUAL DEATH RATES BY SEX OR METROPOLITAN STATUS  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATHS: UNINTENTIONAL FALLS

## AVERAGE ANNUAL DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATHS: UNINTENTIONAL FALLS

## NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

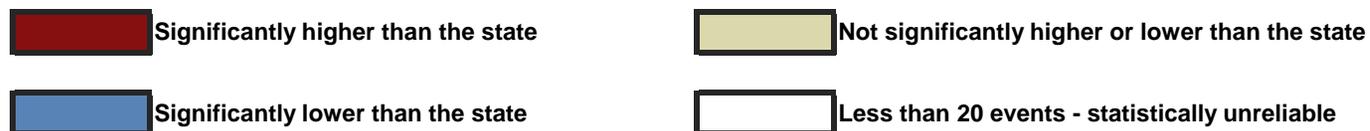
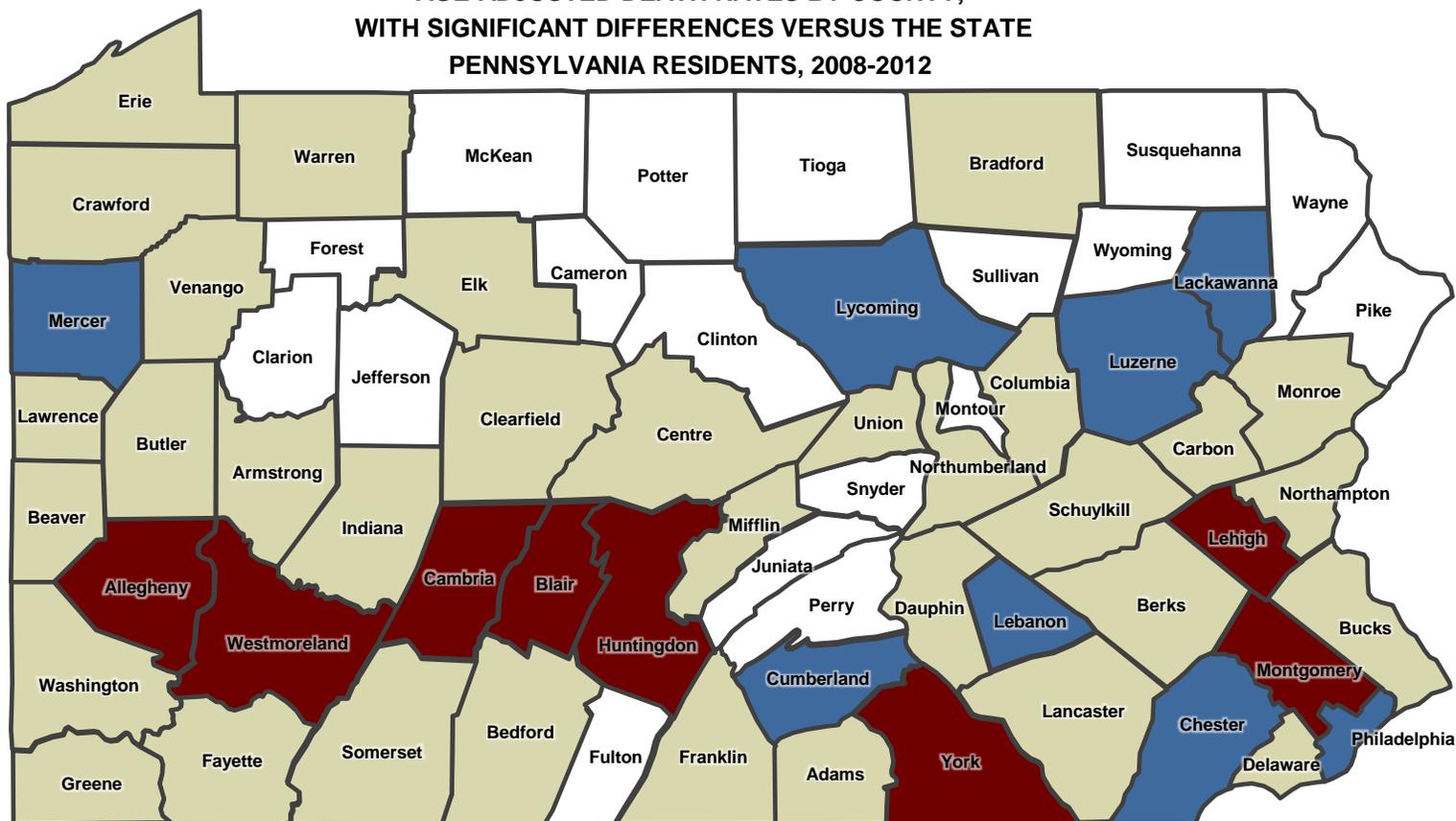
District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	764	7.0	6.5-7.5	-	<b>Southeast</b>	2,492	8.0	7.6-8.3	
Carbon	39	8.4	5.8-11.0		Berks	232	8.9	7.8-10.1	
Lackawanna	96	6.0	4.8-7.2	-	Bucks	330	8.5	7.6-9.4	
Lehigh	238	10.3	9.0-11.6	+	Chester	169	6.2	5.3-7.1	-
Luzerne	109	4.7	3.8-5.6	-	Delaware	333	9.1	8.1-10.1	
Monroe	63	7.6	5.7-9.5		Lancaster	253	7.6	6.6-8.5	
Northampton	168	8.0	6.7-9.2		Montgomery	547	9.9	9.1-10.7	+
Pike	18	NSR			Philadelphia	530	6.4	5.8-6.9	-
Susquehanna	13	NSR			Schuylkill	98	8.8	7.1-10.6	
Wayne	13	NSR							
Wyoming	7	NSR							
<b>North Central</b>	279	6.2	5.5-6.9	-	<b>South Central</b>	885	8.4	7.8-8.9	
Bradford	25	6.3	3.8-8.8		Adams	43	6.9	4.9-9.0	
Centre	51	7.3	5.3-9.3		Bedford	30	8.1	5.2-11.0	
Clinton	13	NSR			Blair	112	11.8	9.7-14.0	+
Columbia	28	6.2	3.9-8.5		Cumberland	92	6.1	4.8-7.3	-
Lycoming	27	3.4	2.1-4.7	-	Dauphin	107	6.9	5.6-8.2	
Montour	12	NSR			Franklin	88	8.6	6.8-10.4	
Northumberland	61	8.6	6.4-10.7		Fulton	4	NSR		
Potter	12	NSR			Huntingdon	37	12.8	8.6-16.9	+
Snyder	15	NSR			Juniata	14	NSR		
Sullivan	2	NSR			Lebanon	49	5.1	3.7-6.6	-
Tioga	13	NSR			Mifflin	35	10.0	6.7-13.3	
Union	20	7.5	4.2-10.8		Perry	12	NSR		
					York	262	10.5	9.2-11.8	+
<b>Northwest</b>	443	6.8	6.2-7.4	-	<b>Southwest</b>	2,027	9.8	9.4-10.2	+
Cameron	8	NSR			Allegheny	989	10.6	9.9-11.2	+
Clarion	12	NSR			Armstrong	35	6.5	4.4-8.7	
Clearfield	41	7.0	4.9-9.2		Beaver	94	7.0	5.6-8.4	
Crawford	39	6.7	4.6-8.8		Butler	84	7.1	5.6-8.7	
Elk	20	7.5	4.2-10.7		Cambria	127	10.4	8.6-12.3	+
Erie	131	7.5	6.2-8.8		Fayette	91	8.4	6.7-10.1	
Forest	5	NSR			Greene	23	9.4	5.6-13.2	
Jefferson	15	NSR			Indiana	54	8.7	6.4-11.0	
Lawrence	54	7.7	5.7-9.8		Somerset	68	10.6	8.1-13.2	
McKean	15	NSR			Washington	130	8.3	6.9-9.7	
Mercer	46	5.1	3.6-6.6	-	Westmoreland	332	11.5	10.2-12.7	+
Venango	36	8.4	5.7-11.2						
Warren	21	6.6	3.8-9.4						
					<b>Pennsylvania</b>	<b>6,890</b>	<b>8.1</b>	<b>7.9-8.3</b>	

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, 2008-2012



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 INJURY DEATHS AND AVERAGE ANNUAL DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	3,467	3,423	<b>6,890</b>	475	3.0	844	7.0	1,432	11.3	2,335	18.3	1,804	18.3
<b>Northeast</b>	400	364	<b>764</b>	85	4.3	97	6.8	175	10.8	407	24.7	0	NSR
Carbon	19	20	39	10	14.0	10	18.1	19	28.4	0	NSR	0	NSR
Lackawanna	46	50	96	8	NSR	16	8.0	19	9.3	53	24.4	0	NSR
Lehigh	116	122	238	5	NSR	11	3.4	26	7.3	196	57.2	0	NSR
Luzerne	62	47	109	10	2.8	18	6.2	27	8.4	54	16.5	0	NSR
Monroe	37	26	63	8	NSR	10	6.9	27	14.9	18	10.1	0	NSR
Northampton	89	79	168	7	NSR	18	6.7	57	18.8	86	28.4	0	NSR
Pike	12	6	18	10	14.2	8	NSR	0	NSR	0	NSR	0	NSR
Susquehanna	7	6	13	13	26.5	0	NSR	0	NSR	0	NSR	0	NSR
Wayne	8	5	13	9	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Wyoming	4	3	7	5	NSR	2	NSR	0	NSR	0	NSR	0	NSR
<b>Southeast</b>	1,243	1,249	<b>2,492</b>	67	1.0	166	3.3	361	7.0	1,132	23.3	766	21.6
Berks	132	100	232	7	NSR	16	4.3	35	8.3	174	44.0	0	NSR
Bucks	157	173	330	7	NSR	10	2.0	33	4.8	62	9.1	218	47.4
Chester	85	84	169	4	NSR	8	NSR	27	5.0	51	10.2	79	24.4
Delaware	166	167	333	5	NSR	21	3.9	41	7.3	107	19.5	159	39.7
Lancaster	126	127	253	7	NSR	10	2.0	23	4.6	93	19.2	120	30.8
Montgomery	242	305	547	7	NSR	29	4.1	59	6.9	452	56.3	0	NSR
Philadelphia	286	244	530	17	0.8	56	2.9	111	7.7	156	12.1	190	20.2
Schuylkill	49	49	98	13	8.1	16	12.4	32	20.2	37	24.0	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	3,467	3,423	<b>6,890</b>	475	3.0	844	7.0	1,432	11.3	2,335	18.3	1,804	18.3
<b>North Central</b>	151	128	<b>279</b>	75	8.8	96	12.8	108	16.7	0	NSR	0	NSR
Bradford	16	9	25	5	NSR	11	22.2	9	NSR	0	NSR	0	NSR
Centre	23	28	51	6	NSR	8	NSR	37	30.2	0	NSR	0	NSR
Clinton	9	4	13	8	NSR	5	NSR	0	NSR	0	NSR	0	NSR
Columbia	19	9	28	5	NSR	7	NSR	16	26.9	0	NSR	0	NSR
Lycoming	12	15	27	7	NSR	7	NSR	13	11.5	0	NSR	0	NSR
Montour	7	5	12	5	NSR	7	NSR	0	NSR	0	NSR	0	NSR
Northumberland	33	28	61	11	10.4	17	21.6	33	35.2	0	NSR	0	NSR
Potter	3	9	12	12	56.2	0	NSR	0	NSR	0	NSR	0	NSR
Snyder	8	7	15	6	NSR	9	NSR	0	NSR	0	NSR	0	NSR
Sullivan	1	1	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	9	4	13	4	NSR	9	NSR	0	NSR	0	NSR	0	NSR
Union	11	9	20	4	NSR	16	31.6	0	NSR	0	NSR	0	NSR
<b>South Central</b>	428	457	<b>885</b>	88	4.2	159	10.5	250	14.6	277	16.2	111	8.5
Adams	24	19	43	10	7.7	14	15.7	19	18.1	0	NSR	0	NSR
Bedford	19	11	30	8	NSR	22	56.5	0	NSR	0	NSR	0	NSR
Blair	54	58	112	10	6.5	18	16.0	84	69.1	0	NSR	0	NSR
Cumberland	42	50	92	6	2.1	9	NSR	22	9.4	55	23.5	0	NSR
Dauphin	50	57	107	4	NSR	11	4.4	21	7.7	71	25.5	0	NSR
Franklin	35	53	88	6	NSR	7	NSR	29	19.8	46	31.9	0	NSR
Fulton	3	1	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Huntingdon	22	15	37	7	NSR	20	45.2	10	21.0	0	NSR	0	NSR
Juniata	8	6	14	9	NSR	5	NSR	0	NSR	0	NSR	0	NSR
Lebanon	21	28	49	4	NSR	8	NSR	37	28.6	0	NSR	0	NSR
Mifflin	18	17	35	9	NSR	26	69.3	0	NSR	0	NSR	0	NSR
Perry	4	8	12	4	NSR	5	NSR	3	NSR	0	NSR	0	NSR
York	128	134	262	7	NSR	14	3.6	25	5.3	105	23.7	111	35.9

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	3,467	3,423	<b>6,890</b>	475	3.0	844	7.0	1,432	11.3	2,335	18.3	1,804	18.3
<b>Northwest</b>	233	210	<b>443</b>	75	6.6	126	15.2	121	13.4	65	6.7	56	7.1
Cameron	2	6	8	8	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	8	4	12	6	NSR	6	NSR	0	NSR	0	NSR	0	NSR
Clearfield	22	19	41	4	NSR	17	23.6	20	22.4	0	NSR	0	NSR
Crawford	22	17	39	5	NSR	8	NSR	26	30.8	0	NSR	0	NSR
Elk	9	11	20	7	NSR	13	56.6	0	NSR	0	NSR	0	NSR
Erie	70	61	131	6	NSR	7	NSR	17	6.3	45	16.3	56	27.3
Forest	5	0	5	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	9	6	15	5	NSR	8	NSR	2	NSR	0	NSR	0	NSR
Lawrence	27	27	54	6	NSR	8	NSR	20	23.1	20	20.5	0	NSR
McKean	8	7	15	7	NSR	8	NSR	0	NSR	0	NSR	0	NSR
Mercer	27	19	46	4	NSR	6	NSR	36	32.5	0	NSR	0	NSR
Venango	10	26	36	5	NSR	31	72.0	0	NSR	0	NSR	0	NSR
Warren	14	7	21	7	NSR	14	44.4	0	NSR	0	NSR	0	NSR
<b>Southwest</b>	1,012	1,015	<b>2,027</b>	85	2.7	200	8.1	417	15.6	454	15.6	871	37.1
Allegheny	478	511	989	10	0.7	32	2.6	85	7.2	198	15.4	664	64.7
Armstrong	20	15	35	5	NSR	17	32.3	13	18.8	0	NSR	0	NSR
Beaver	57	37	94	6	NSR	12	8.5	18	10.7	58	30.4	0	NSR
Butler	49	35	84	4	NSR	8	NSR	11	5.7	61	31.4	0	NSR
Cambria	55	72	127	13	8.0	25	20.1	89	64.4	0	NSR	0	NSR
Fayette	41	50	91	5	NSR	14	12.0	72	51.0	0	NSR	0	NSR
Greene	11	12	23	4	NSR	6	NSR	13	32.2	0	NSR	0	NSR
Indiana	26	28	54	12	10.7	42	43.9	0	NSR	0	NSR	0	NSR
Somerset	38	30	68	8	NSR	16	24.1	44	54.9	0	NSR	0	NSR
Washington	65	65	130	12	4.9	18	10.2	42	20.4	58	25.4	0	NSR
Westmoreland	172	160	332	6	NSR	10	3.5	30	8.2	79	19.1	207	60.1

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, 2008-2012

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	6.0	4.3-7.7	Allegheny	931	11.0	10.3-11.7	Berks	8	NSR	
Chester	4	NSR		Chester	163	6.4	5.4-7.4	Lancaster	1	NSR	
Dauphin	10	4.8	1.8-7.7	Dauphin	95	7.1	5.7-8.5	Lehigh	15	15.1	7.4--22.7
Delaware	23	5.9	3.5-8.3	Delaware	307	9.7	8.6-10.8	Philadelphia	28	5.8	3.6-7.9
Montgomery	14	4.6	2.2-7.0	Montgomery	523	10.2	9.4-11.1				
Philadelphia	139	4.3	3.6-5.0	Philadelphia	346	7.3	6.5-8.1				
Pennsylvania	280	4.7	4.1-5.2	Pennsylvania	6,457	8.3	8.1-8.5	Pennsylvania	79	5.4	4.2-6.7

### NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	23	24	<b>47</b>	4.8%	0	NSR	1	NSR	4	NSR	14	10.0	28	31.0
	White	82.1%	449	482	<b>931</b>	94.1%	4	NSR	5	NSR	28	2.8	71	6.4	823	89.4
Chester	Black	6.3%	2	2	<b>4</b>	2.4%	0	NSR	2	NSR	1	NSR	0	NSR	1	NSR
	White	87.9%	82	81	<b>163</b>	96.4%	1	NSR	1	NSR	3	NSR	23	5.0	135	44.9
Dauphin	Black	18.3%	4	6	<b>10</b>	9.3%	1	NSR	1	NSR	1	NSR	3	NSR	4	NSR
	White	75.3%	45	50	<b>95</b>	88.8%	1	NSR	0	NSR	6	NSR	8	NSR	80	50.3
Delaware	Black	19.6%	9	14	<b>23</b>	6.9%	0	NSR	1	NSR	0	NSR	6	NSR	16	38.3
	White	73.7%	154	153	<b>307</b>	92.2%	2	NSR	0	NSR	13	3.2	25	5.6	267	77.0
Montgomery	Black	8.9%	10	4	<b>14</b>	2.6%	1	NSR	0	NSR	2	NSR	3	NSR	8	NSR
	White	82.7%	228	295	<b>523</b>	95.6%	0	NSR	2	NSR	8	NSR	30	4.3	483	88.4
Philadelphia	Black	44.8%	90	49	<b>139</b>	26.2%	0	NSR	4	NSR	11	1.7	39	6.8	85	23.2
	White	45.0%	166	180	<b>346</b>	65.3%	0	NSR	3	NSR	16	2.5	59	9.7	268	51.2
Pennsylvania	Black	11.0%	164	116	<b>280</b>	4.1%	4	0.2	12	0.8	24	1.7	76	6.8	164	24.6
	White	84.1%	3,203	3,254	<b>6,457</b>	93.7%	22	0.2	60	0.6	207	1.9	609	5.4	5,559	61.8

## INJURY HOSPITALIZATIONS: ALL POISONING

In 2012, among Pennsylvania residents, there were 16,298 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 90 percent of all poisoning hospitalizations in Pa.

### HIGHLIGHTS

- Age-adjusted rates generally **decreased** from 2008 to 2012.
- Most common demographic is **white females**, ages 20 to 54.
- Of all Pennsylvania counties, **Philadelphia** had the highest age-adjusted rate.

### Trends Over Time

- There was a net 7 percent decrease in age-adjusted poisoning rate from 2008 to 2012.
- Age-adjusted hospitalization poisoning rates fell by 6 percent from 136.1 hospitalizations per 100,000 population in 2008 to 127.6 hospitalizations in 2010. It then increased slightly by 3 percent to 131.8 hospitalizations per 100,000 population in 2011. Thereafter, it decreased by 4 percent to 126.1 hospitalizations per 100,000 population in 2012.
- Females generally had higher age-adjusted poisoning hospitalization rates than males from 2008 to 2012.
- Black males and females had higher age-adjusted poisoning hospitalization rates than white males and females from 2008 to 2012.

### Demographic Trends

- Among ages 10 to 29, females had significantly higher poisoning hospitalization rates than males.
- Among ages 30 and older, black males and females had significantly higher poisoning hospitalization rates than white males and females.

### Regional Trends

- The Southeast Health District had the highest age-adjusted poisoning hospitalization rate, while the South Central Health District had the lowest rate.
- Fourteen counties had age-adjusted poisoning hospitalization rates for 2008-12 that were significantly higher than the comparable state rate. The majority of these were rural counties.

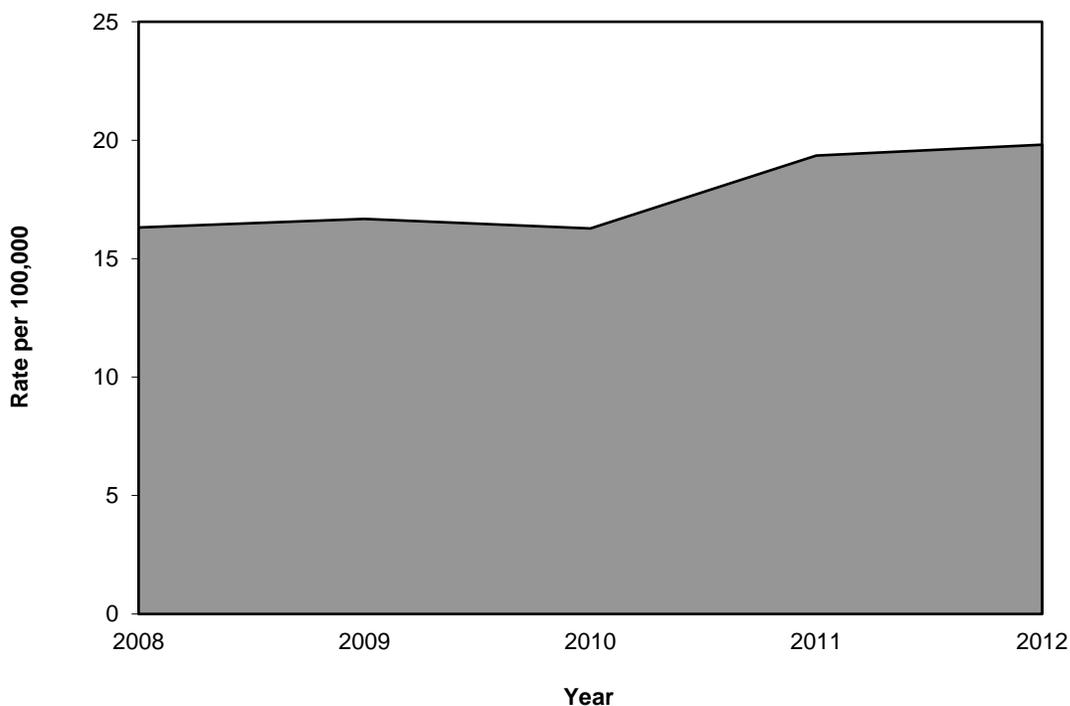
## INJURY DEATHS: ALL POISONING

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	1,997	16.3
2009	2,069	16.7
2010	2,042	16.3
2011	2,429	19.3
2012	2,507	19.8

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### AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	13.5	8.2	17.5	18.3	11.8	18.0
2009	14.5	10.9	17.1	18.5	12.0	18.2
2010	13.3	9.9	14.3	18.0	11.6	19.9
2011	18.5	10.8	19.4	21.1	12.4	23.0
2012	19.0	12.4	21.0	21.3	13.3	23.0

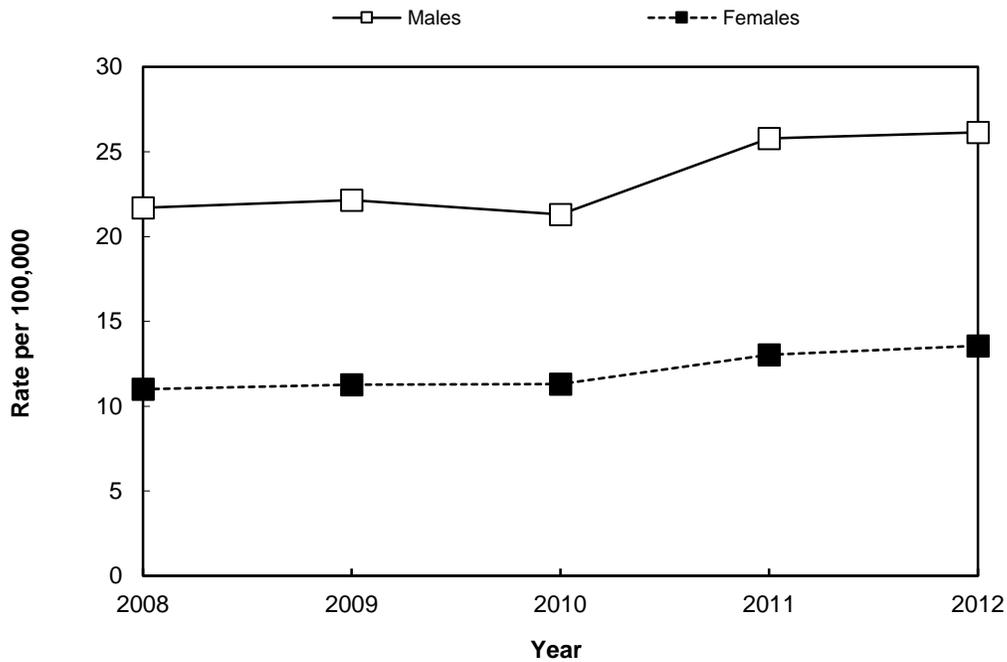
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-10 codes. See Technical Notes.

# INJURY DEATHS: ALL POISONING

## TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	1,592	25.8	2011	837	13.0
2012	1,627	26.1	2012	879	13.6



## AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

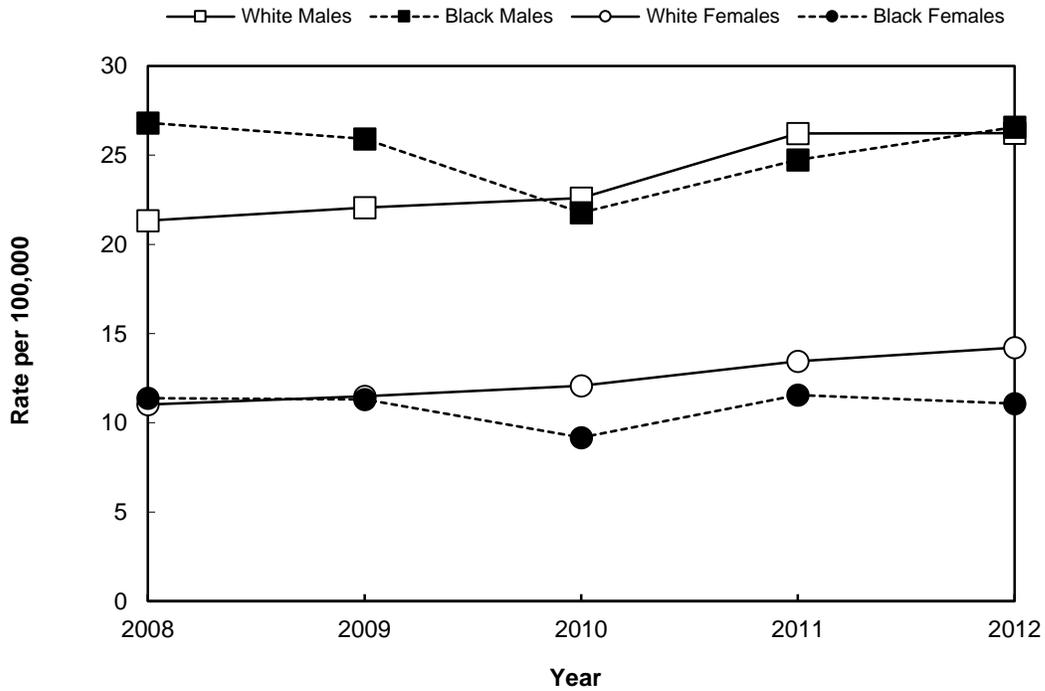
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	23.4	17.3	2008	11.7	9.1
2009	23.3	19.2	2009	11.4	11.1
2010	22.1	19.3	2010	11.3	11.4
2011	27.2	22.2	2011	13.1	12.9
2012	28.1	21.0	2012	13.9	12.6

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 INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2008	1,097	152	592	76	51	16
2009	1,146	148	627	75	46	13
2010	1,128	140	635	66	33	27
2011	1,352	162	726	82	64	26
2012	1,359	177	764	83	69	23



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	26.2	24.7	13.5	11.6	19.9	7.5
2012	26.2	26.6	14.2	11.1	17.9	6.9

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 DEATHS: ALL POISONING

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>11,044</b>	<b>17.5</b>	<b>7,190</b>	<b>23.3</b>	<b>3,853</b>	<b>11.9</b>	<b>8,467</b>	<b>18.4</b>	<b>2,577</b>	<b>14.9</b>
< 5	22	0.6	10	0.5	12	0.7	15	0.5	7	NSR
5-9	3	NSR	1	NSR	2	NSR	2	NSR	1	NSR
10-14	9	NSR	9	NSR	0	NSR	6	NSR	3	NSR
15-19	229	5.1	172	7.5	57	2.6	163	5.0	66	5.3
20-24	863	19.4	633	28.1	230	10.5	672	21.0	191	15.5
25-29	1,234	31.8	909	46.2	325	17.0	939	31.8	295	31.6
30-34	1,178	31.5	832	44.3	345	18.5	872	31.2	306	32.2
35-39	1,088	28.6	712	37.5	376	19.7	793	28.3	295	29.1
40-44	1,414	33.1	879	41.5	535	24.8	1,092	35.0	322	28.0
45-49	1,611	34.9	982	43.2	629	26.9	1,260	37.5	351	27.9
50-54	1,507	31.8	917	39.4	590	24.4	1,186	34.6	321	24.5
55-59	941	21.7	574	27.2	367	16.5	757	24.4	184	14.9
60-64	402	10.9	258	14.6	144	7.5	329	12.6	73	6.8
65-69	172	6.1	103	7.9	69	4.6	121	6.2	51	6.0
70-74	96	4.4	60	6.1	36	3.0	70	4.6	26	3.9
75-79	101	5.6	54	7.1	47	4.5	65	5.1	36	6.7
80-84	68	4.6	32	5.6	36	4.0	46	4.4	22	5.1
85 +	106	6.8	53	10.8	53	5.0	79	7.1	27	6.2

\* 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: ALL POISONING

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>6,082</b>	<b>23.4</b>	<b>779</b>	<b>23.4</b>	<b>3,344</b>	<b>12.3</b>	<b>382</b>	<b>10.5</b>	<b>368</b>	<b>10.5</b>		
< 5	6	NSR	3	NSR	8	NSR	3	NSR	2	NSR		
5-9	0	NSR	1	NSR	1	NSR	1	NSR	0	NSR		
10-14	8	NSR	1	NSR	0	NSR	0	NSR	0	NSR		
15-19	156	8.5	7	NSR	51	2.9	3	1.0	10	2.9		
20-24	570	31.7	29	9.3	*	205	11.8	13	4.2	*	31	9.7
25-29	836	52.4	35	14.0	*	289	18.9	26	10.2	*	34	11.7
30-34	725	47.2	56	24.9	*	299	20.0	30	12.6	*	56	20.4
35-39	609	38.7	57	27.1	*	320	20.4	43	18.8		41	16.3
40-44	722	40.2	103	46.5		451	25.0	63	25.8		65	28.3
45-49	830	42.2	114	51.3	*	543	27.2	65	25.9		55	27.2
50-54	754	36.9	129	62.2	*	512	24.5	60	24.9		47	30.0
55-59	426	22.7	135	79.2	*	314	16.1	45	21.8	*	17	14.4
60-64	188	11.8	66	51.2	*	123	7.2	18	10.8	*	6	NSR
65-69	83	7.0	18	21.1	*	66	4.9	3	NSR		1	NSR
70-74	42	4.7	15	24.0	*	33	3.0	3	NSR		2	NSR
75-79	46	6.6	7	NSR		43	4.5	3	NSR		0	NSR
80-84	29	5.4	2	NSR		34	4.1	2	NSR		1	NSR
85 +	52	11.3	1	NSR		52	5.3	1	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 INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>690</b>	<b>14.9</b>	<b>342</b>	<b>10.4</b>	<b>1,364</b>	<b>17.2</b>	<b>4,944</b>	<b>19.5</b>	<b>1,006</b>	<b>12.2</b>	<b>2,698</b>	<b>20.0</b>						
< 5	0	NSR	2	NSR	1	NSR	13	0.8	9	NSR	4	0.6						
5-9	0	NSR	3	NSR	0	NSR	2	NSR	9	NSR	0	0.0						
10-14	1	NSR	4	NSR	2	NSR	3	NSR	9	NSR	3	0.4						
15-19	15	4.4	10	NSR	35	6.2	95	5.2	37	4.5	48	5.3						
20-24	37	11.8	-	38	9.1	-	98	18.5	397	21.9	93	15.2	-	218	24.4	+		
25-29	88	34.0	-	30	13.8	-	167	37.1	522	30.9	112	21.3	-	304	38.1	+		
30-34	89	34.6	-	25	10.3	-	151	33.8	498	31.4	87	15.1	-	299	38.8	+		
35-39	84	31.3	-	29	10.9	-	139	29.3	457	29.0	111	16.1	-	279	35.6	+		
40-44	70	23.1	-	54	21.3	-	193	35.3	657	37.8	+	122	17.8	-	324	36.3		
45-49	97	29.3	-	41	15.2	-	204	34.2	740	40.0	+	129	18.8	-	390	39.5	+	
50-54	102	29.0	-	29	11.0	-	175	28.8	677	36.7	+	101	15.0	-	387	36.3	+	
55-59	48	14.5	-	20	7.4	-	87	15.7	-	464	28.3	+	61	9.8	-	237	23.7	
60-64	21	7.4	-	12	NSR	-	36	7.4	-	208	15.2	+	33	4.5	-	92	10.8	
65-69	11	5.0	-	10	NSR	-	15	4.0	-	75	7.4	+	28	4.6	-	35	5.5	
70-74	7	NSR	-	9	NSR	-	16	5.5	-	38	4.8	-	19	4.8	-	20	3.9	
75-79	8	NSR	-	10	NSR	-	16	6.8	-	38	5.9	-	21	4.6	-	18	4.2	-
80-84	6	NSR	-	9	NSR	-	12	6.2	-	19	3.6	-	9	NSR	-	15	4.0	
85 +	6	NSR	-	7	NSR	-	17	8.5	-	41	7.2	-	16	8.8	-	25	6.3	

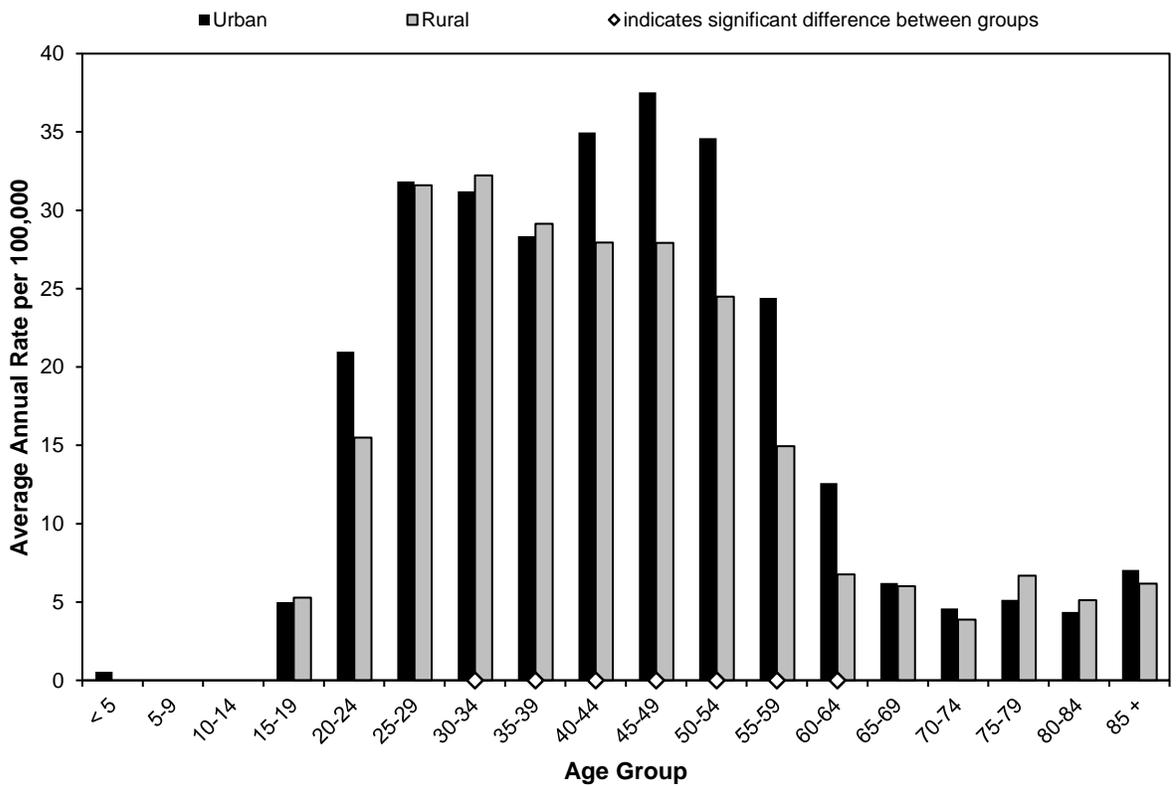
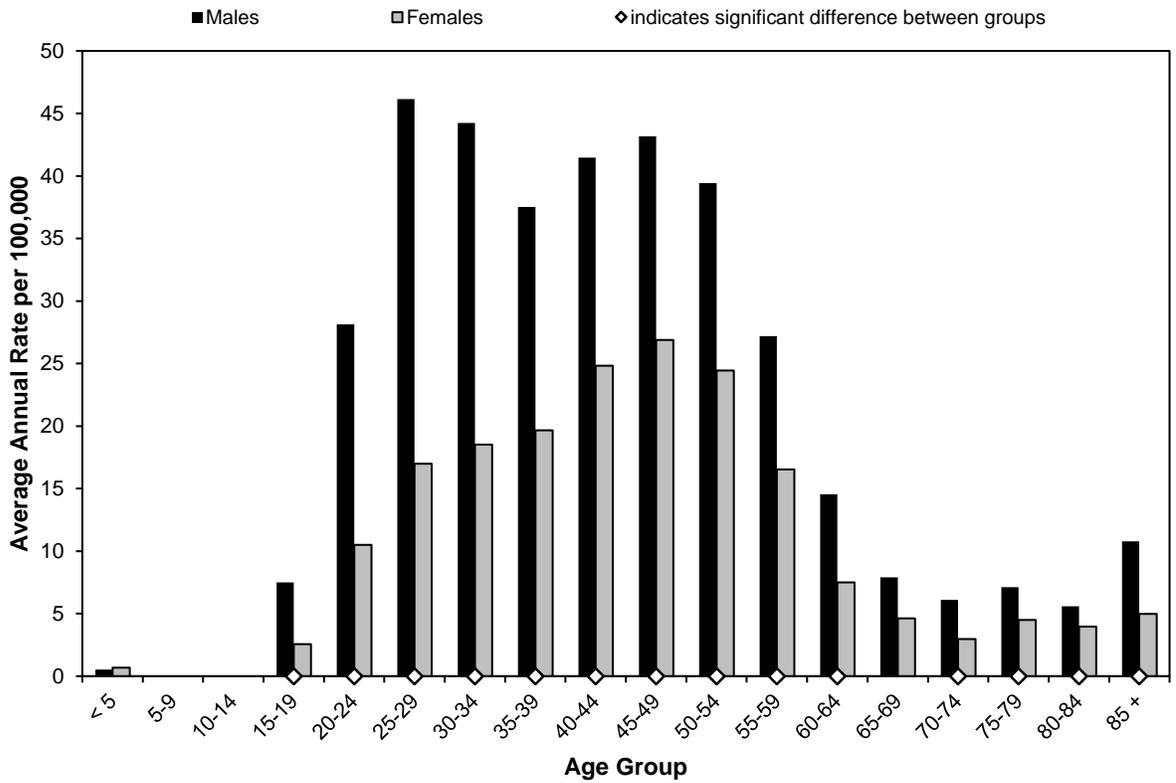
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

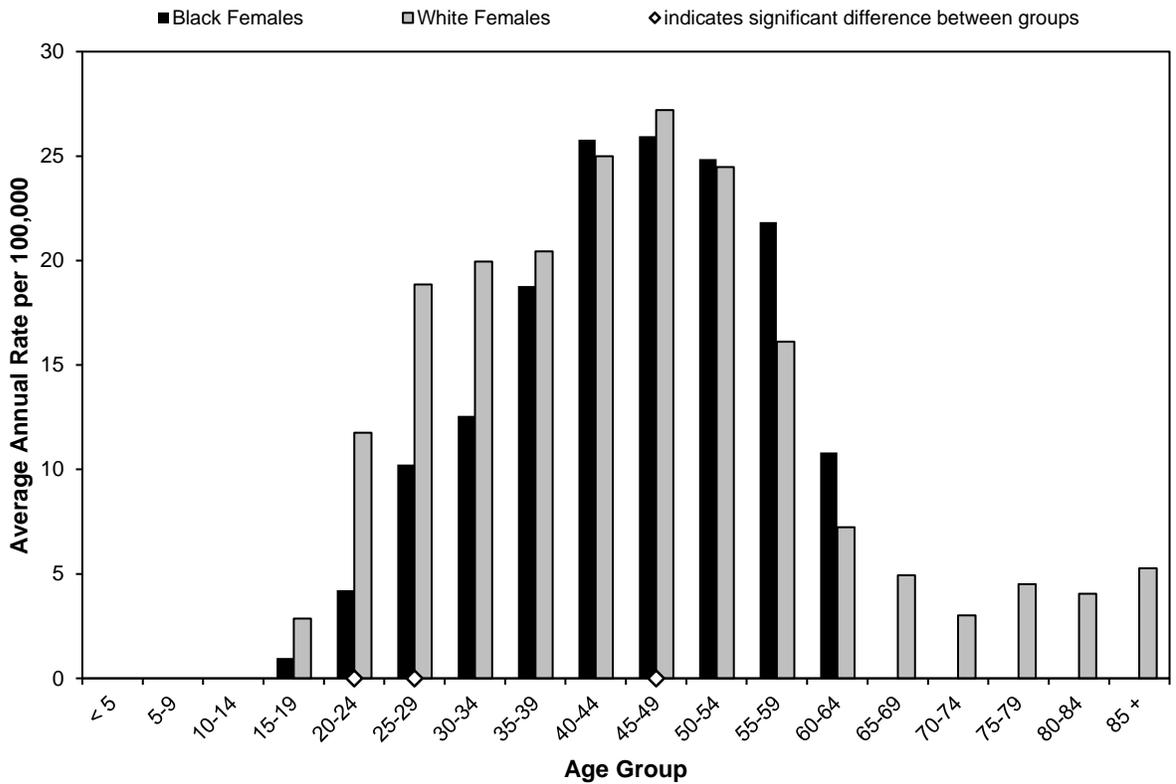
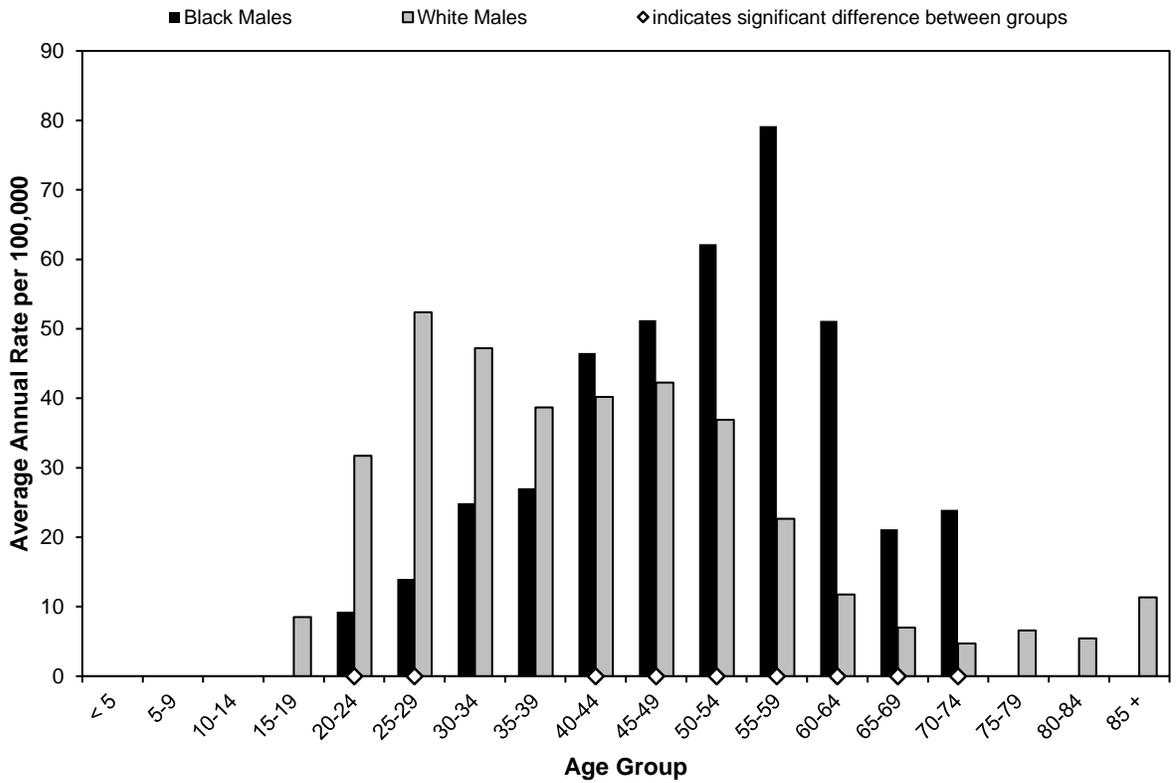
# INJURY DEATHS: ALL POISONING

AVERAGE ANNUAL DEATH RATES BY SEX OR METROPOLITAN STATUS  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATHS: ALL POISONING

## AVERAGE ANNUAL DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



## INJURY DEATHS: ALL POISONING

### NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

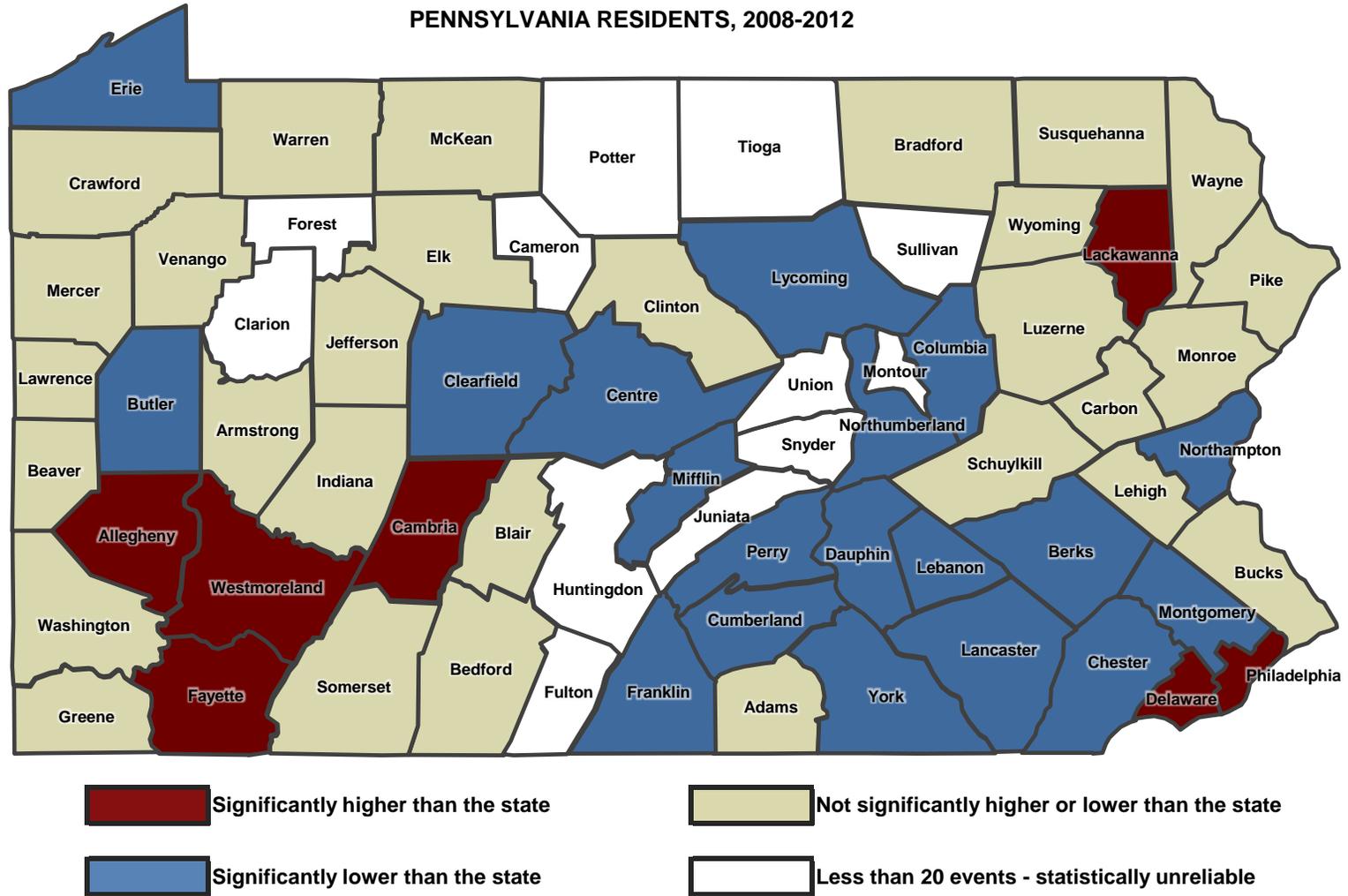
District/County	No.	Rate	CI (95%)	District/County	No.	Rate	CI (95%)		
<b>Northeast</b>	1,364	17.8	16.9-18.8	<b>Southeast</b>	4,944	19.5	18.9-20.0	+	
Carbon	72	22.9	17.6-28.2	Berks	302	15.1	13.4-16.8	-	
Lackawanna	224	22.6	19.6-25.6	Bucks	560	18.5	17.0-20.0		
Lehigh	281	16.5	14.6-18.4	Chester	323	12.8	11.4-14.2	-	
Luzerne	295	19.7	17.4-21.9	Delaware	700	25.3	23.4-27.2	+	
Monroe	138	16.9	14.1-19.8	Lancaster	284	11.5	10.1-12.8	-	
Northampton	205	14.0	12.1-15.9	Montgomery	630	15.8	14.6-17.1	-	
Pike	47	17.2	12.3-22.1	Philadelphia	1,991	27.0	25.8-28.1	+	
Susquehanna	31	16.8	10.9-22.7	Schuylkill	154	20.9	17.6-24.2		
Wayne	47	16.4	11.7-21.1						
Wyoming	24	20.0	12.0-28.0						
<b>North Central</b>	342	10.4	9.3-11.5	-	<b>South Central</b>	1,006	12.2	11.5-13.0	-
Bradford	41	14.4	10.0-18.8	Adams	69	14.4	11.0-17.8		
Centre	56	8.7	6.4-10.9	-	Bedford	39	16.7	11.5-22.0	
Clinton	26	15.6	9.6-21.6	Blair	105	17.9	14.5-21.3		
Columbia	37	12.4	8.4-16.4	-	Cumberland	127	10.6	8.8-12.5	-
Lycoming	56	9.7	7.1-12.2	-	Dauphin	148	10.9	9.2-12.7	-
Montour	11	NSR		Franklin	80	11.3	8.8-13.8	-	
Northumberland	57	12.8	9.5-16.1	-	Fulton	7	NSR		
Potter	16	NSR		Huntingdon	12	NSR			
Snyder	15	NSR		Juniata	16	NSR			
Sullivan	4	NSR		Lebanon	53	8.5	6.2-10.8	-	
Tioga	13	NSR		Mifflin	25	11.0	6.7-15.3	-	
Union	10	NSR		Perry	26	12.3	7.6-17.0	-	
				York	299	13.7	12.2-15.3	-	
<b>Northwest</b>	690	15.7	14.6-16.9	-	<b>Southwest</b>	2,698	20.4	19.6-21.2	+
Cameron	2	NSR		Allegheny	1,299	21.2	20.0-22.3	+	
Clarion	19	NSR		Armstrong	62	19.8	14.8-24.7		
Clearfield	54	13.7	10.0-17.3	-	Beaver	151	18.3	15.4-21.2	
Crawford	66	16.3	12.3-20.2	Butler	124	14.2	11.7-16.7	-	
Elk	27	19.5	12.2-26.9	Cambria	176	26.2	22.3-30.0	+	
Erie	204	15.2	13.1-17.3	-	Fayette	139	21.5	17.9-25.1	+
Forest	7	NSR		Greene	48	23.8	17.0-30.5		
Jefferson	32	15.6	10.2-21.0	Indiana	80	21.3	16.6-25.9		
Lawrence	78	17.8	13.8-21.7	Somerset	58	15.8	11.8-19.9		
McKean	29	13.1	8.4-17.9	Washington	170	18.0	15.3-20.7		
Mercer	101	18.5	14.9-22.1	Westmoreland	391	22.3	20.1-24.6	+	
Venango	47	18.9	13.5-24.3						
Warren	24	12.6	7.5-17.6						
				<b>Pennsylvania</b>	<b>11,044</b>	<b>17.7</b>	<b>17.4-18.0</b>		

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

AGE-ADJUSTED DEATH RATES BY COUNTY,  
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE  
PENNSYLVANIA RESIDENTS, 2008-2012



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 INJURY DEATHS AND AVERAGE ANNUAL DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	7,192	3,851	<b>11,043</b>	2,546	16.0	3,652	30.3	3,757	29.6	868	6.8	221	2.2
<b>Northeast</b>	851	512	<b>1,363</b>	417	21.3	517	36.3	345	21.3	58	3.5	27	2.1
Carbon	50	22	72	22	30.7	27	48.8	21	31.3	2	NSR	0	NSR
Lackawanna	133	91	224	51	20.3	85	42.6	76	37.2	10	4.6	2	NSR
Lehigh	178	102	280	89	19.6	111	34.0	63	17.8	12	3.5	6	NSR
Luzerne	194	101	295	110	30.4	117	40.6	56	17.4	5	NSR	7	NSR
Monroe	87	51	138	34	15.0	44	30.2	46	25.3	11	6.2	3	NSR
Northampton	123	82	205	65	17.1	77	28.5	45	14.8	10	3.3	8	NSR
Pike	25	22	47	10	14.2	22	52.1	12	19.0	3	NSR	0	NSR
Susquehanna	19	12	31	13	26.5	12	36.6	6	NSR	0	NSR	0	NSR
Wayne	24	23	47	9	NSR	15	37.2	17	32.2	5	NSR	1	NSR
Wyoming	18	6	24	14	39.2	7	NSR	3	NSR	0	NSR	0	NSR
<b>Southeast</b>	3,321	1,623	<b>4,944</b>	771	11.5	1,546	30.4	1,942	37.6	563	11.6	122	3.4
Berks	191	111	302	84	15.0	119	31.7	76	18.1	14	3.5	9	NSR
Bucks	385	175	560	161	20.5	171	33.5	189	27.4	29	4.3	10	2.2
Chester	216	107	323	69	10.0	102	23.2	129	23.7	16	3.2	7	NSR
Delaware	465	235	700	151	20.3	232	43.1	271	48.5	37	6.7	9	NSR
Lancaster	170	114	284	34	4.7	89	18.2	108	21.7	39	8.0	14	3.6
Montgomery	413	217	630	88	8.8	193	27.4	227	26.5	95	11.8	27	4.5
Philadelphia	1,375	616	1,991	136	6.6	580	30.5	906	63.2	327	25.4	42	4.5
Schuylkill	106	48	154	48	29.8	60	46.5	36	22.8	6	NSR	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	7,192	3,851	11,043	2,546	16.0	3,652	30.3	3,757	29.6	868	6.8	221	2.2
<b>North Central</b>	207	135	<b>342</b>	141	16.6	124	16.5	56	8.7	20	3.0	1	NSR
Bradford	29	12	41	17	21.9	13	26.3	9	NSR	2	NSR	0	NSR
Centre	37	19	56	13	7.0	20	8.2	14	11.4	9	NSR	0	NSR
Clinton	18	8	26	9	NSR	12	30.9	5	NSR	0	NSR	0	NSR
Columbia	15	22	37	21	25.3	10	14.2	5	NSR	1	NSR	0	NSR
Lycoming	31	25	56	23	16.4	23	20.5	5	NSR	5	NSR	0	NSR
Montour	6	5	11	5	NSR	4	NSR	2	NSR	0	NSR	0	NSR
Northumberland	33	24	57	18	17.0	22	28.0	13	13.9	3	NSR	1	NSR
Potter	12	4	16	9	NSR	5	NSR	2	NSR	0	NSR	0	NSR
Snyder	8	7	15	12	23.1	3	NSR	0	NSR	0	NSR	0	NSR
Sullivan	2	2	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	10	3	13	4	NSR	8	NSR	1	NSR	0	NSR	0	NSR
Union	6	4	10	6	NSR	4	NSR	0	NSR	0	NSR	0	NSR
<b>South Central</b>	616	390	<b>1,006</b>	317	15.1	327	21.6	287	16.8	60	3.5	15	1.2
Adams	42	27	69	19	14.6	30	33.6	13	12.4	6	NSR	1	NSR
Bedford	23	16	39	17	28.8	14	36.0	7	NSR	1	NSR	0	NSR
Blair	64	41	105	43	28.1	36	32.1	23	18.9	3	NSR	0	NSR
Cumberland	76	51	127	46	16.0	40	17.1	33	14.1	6	NSR	2	NSR
Dauphin	92	56	148	49	14.5	47	19.0	41	15.0	10	3.6	1	NSR
Franklin	46	34	80	13	6.7	18	13.9	38	25.9	8	NSR	3	NSR
Fulton	2	5	7	6	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Huntingdon	7	5	12	9	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Juniata	10	6	16	6	NSR	7	NSR	3	NSR	0	NSR	0	NSR
Lebanon	33	20	53	14	8.4	23	19.2	11	8.5	3	NSR	2	NSR
Mifflin	17	8	25	10	16.9	9	NSR	6	NSR	0	NSR	0	NSR
Perry	9	17	26	10	16.9	13	33.3	3	NSR	0	NSR	0	NSR
York	195	104	299	75	13.4	86	22.3	109	23.2	23	5.2	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.

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	7,192	3,851	11,043	2,546	16.0	3,652	30.3	3,757	29.6	868	6.8	221	2.2
<b>Northwest</b>	447	243	<b>690</b>	237	20.7	241	29.1	177	19.6	27	2.8	8	NSR
Cameron	2	0	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	15	4	19	9	NSR	6	NSR	4	NSR	0	NSR	0	NSR
Clearfield	42	12	54	25	28.1	16	22.2	9	NSR	3	NSR	1	NSR
Crawford	40	26	66	20	17.5	28	37.0	13	15.4	4	NSR	1	NSR
Elk	19	8	27	18	49.3	8	NSR	1	NSR	0	NSR	0	NSR
Erie	124	80	204	47	12.8	69	24.4	70	26.1	13	4.7	5	NSR
Forest	5	2	7	5	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Jefferson	22	10	32	17	31.5	10	26.7	5	NSR	0	NSR	0	NSR
Lawrence	51	27	78	18	16.5	31	42.1	27	31.2	2	NSR	0	NSR
McKean	17	12	29	9	NSR	14	36.3	6	NSR	0	NSR	0	NSR
Mercer	63	38	101	35	24.2	31	31.8	31	28.0	3	NSR	1	NSR
Venango	32	15	47	23	35.1	16	37.2	8	NSR	0	NSR	0	NSR
Warren	15	9	24	9	NSR	10	31.7	3	NSR	2	NSR	0	NSR
<b>Southwest</b>	1,750	948	<b>2,698</b>	663	21.2	897	36.4	950	35.7	140	4.8	48	2.0
Allegheny	850	449	1,299	263	18.6	408	33.8	527	44.5	73	5.7	28	2.7
Armstrong	37	25	62	16	20.1	23	43.7	17	24.6	6	NSR	0	NSR
Beaver	102	49	151	50	25.6	51	36.0	41	24.3	5	NSR	4	NSR
Butler	82	42	124	50	21.2	41	26.3	26	13.4	7	NSR	0	NSR
Cambria	113	63	176	35	21.6	65	52.3	62	44.8	9	NSR	5	NSR
Fayette	89	50	139	65	41.3	56	48.1	15	10.6	3	NSR	0	NSR
Greene	33	15	48	18	41.0	15	40.1	14	34.7	1	NSR	0	NSR
Indiana	56	24	80	23	20.5	27	28.2	24	31.6	6	NSR	0	NSR
Somerset	42	16	58	26	31.6	17	25.6	12	15.0	3	NSR	0	NSR
Washington	103	67	170	45	18.5	66	37.3	49	23.8	5	NSR	5	NSR
Westmoreland	243	148	391	72	17.8	128	44.6	163	44.5	22	5.3	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 DEATHS: ALL POISONING

### NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	169	21.1	17.9-24.3	Allegheny	1,112	22.3	21.0-23.6	Berks	37	14.6	9.9-19.3
Chester	23	16.3	9.6-22.9	Chester	295	13.4	11.9-14.9	Lancaster	15	7.8	3.8-11.7
Dauphin	12	4.8	2.1-7.5	Dauphin	126	12.2	10.1-14.4	Lehigh	34	12.2	8.1-16.3
Delaware	69	12.9	9.8-15.9	Delaware	614	30.8	28.4-33.2	Philadelphia	171	20.5	17.5-23.6
Montgomery	38	10.4	7.1-13.7	Montgomery	581	17.9	16.4-19.3				
Philadelphia	686	21.0	19.4-22.6	Philadelphia	1,112	32.7	30.7-34.6				
Pennsylvania	1,161	17.4	16.4-18.4	Pennsylvania	9,427	18.1	17.7-18.5	Pennsylvania	368	11.9	10.7-13.1

### NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	108	61	<b>169</b>	13.0%	2	NSR	22	12.5	52	34.8	84	59.8	9	NSR
	White	82.1%	728	384	<b>1,112</b>	85.7%	24	2.3	335	35.2	414	42.1	298	26.7	41	4.5
Chester	Black	6.3%	13	10	<b>23</b>	7.1%	0	NSR	4	NSR	8	NSR	8	NSR	3	NSR
	White	87.9%	200	95	<b>295</b>	91.3%	11	1.9	82	22.0	106	22.2	86	18.7	10	3.3
Dauphin	Black	18.3%	4	8	<b>12</b>	8.1%	0	NSR	1	NSR	3	NSR	8	NSR	0	NSR
	White	75.3%	79	47	<b>126</b>	85.1%	2	NSR	45	25.1	37	17.8	31	13.6	11	6.9
Delaware	Black	19.6%	45	24	<b>69</b>	9.9%	3	NSR	11	8.5	20	17.9	35	43.6	0	NSR
	White	73.7%	404	210	<b>614</b>	87.7%	12	2.4	198	53.7	219	54.1	166	37.4	19	5.5
Montgomery	Black	8.9%	27	11	<b>38</b>	6.0%	3	NSR	10	13.3	13	16.3	10	16.4	2	NSR
	White	82.7%	378	203	<b>581</b>	92.4%	13	1.6	192	34.5	191	27.4	149	21.4	36	6.6
Philadelphia	Black	44.8%	470	216	<b>686</b>	34.6%	9	0.9	98	13.0	274	41.9	269	46.7	36	9.8
	White	45.0%	765	347	<b>1,112</b>	56.0%	15	2.0	345	37.8	461	72.6	260	42.8	31	5.9
Pennsylvania	Black	11.0%	779	382	<b>1,161</b>	10.5%	18	0.8	183	12.3	497	32.3	453	40.4	55	8.2
	White	84.1%	6,082	3,344	<b>9,426</b>	85.6%	253	1.9	2,374	24.4	3,365	32.5	2,317	20.6	480	5.3

## INJURY DEATHS: MOTOR VEHICLE TRAFFIC ACCIDENTS

In 2012, among Pennsylvania residents, there were 1,259 deaths due to motor vehicle traffic (MVT) accidents. On average, one resident died every seven hours.

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### Injury Definition

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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 generally **fluctuated** from 2008 to 2012.
- Most common demographic is **white males**, ages 15 to 29.
- Of all Pennsylvania counties, **Fulton, Susquehanna and Juniata** had the highest rates.

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### Trends Over Time

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- Age-adjusted death rates for MVT injury generally fluctuated from 2008 to 2012.
- Age-adjusted MVT death rates decreased by 17 percent from 11.5 deaths per 100,000 population in 2008 to 9.6 in 2009. It then increased by 7 percent to 10.3 deaths per 100,000 population. Finally, it decreased by 8 percent to 9.5 deaths per 100,000 population in 2012.
- Males had higher age-adjusted MVT death rates than females during 2008 to 2012.
- Rural males and females had higher age-adjusted MVT death rates than urban males and females from 2008 to 2012.

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### Demographic Trends

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- Males had significantly higher MVT death rates than females, especially for ages 15 and older.
- Among males, whites generally had higher MVT death rates than blacks, especially for ages 15 to 29.
- Rural populations had significantly higher MVT death rates than urban populations.

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### Regional Trends

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- The Northwest Health District had the highest age-adjusted MVT death rate while the Southeast Health District had the lowest rates.
- Thirty-two counties had age-adjusted MVT death rates that were significantly higher than the comparable state rate for 2008 to 2012. Most counties were rural.

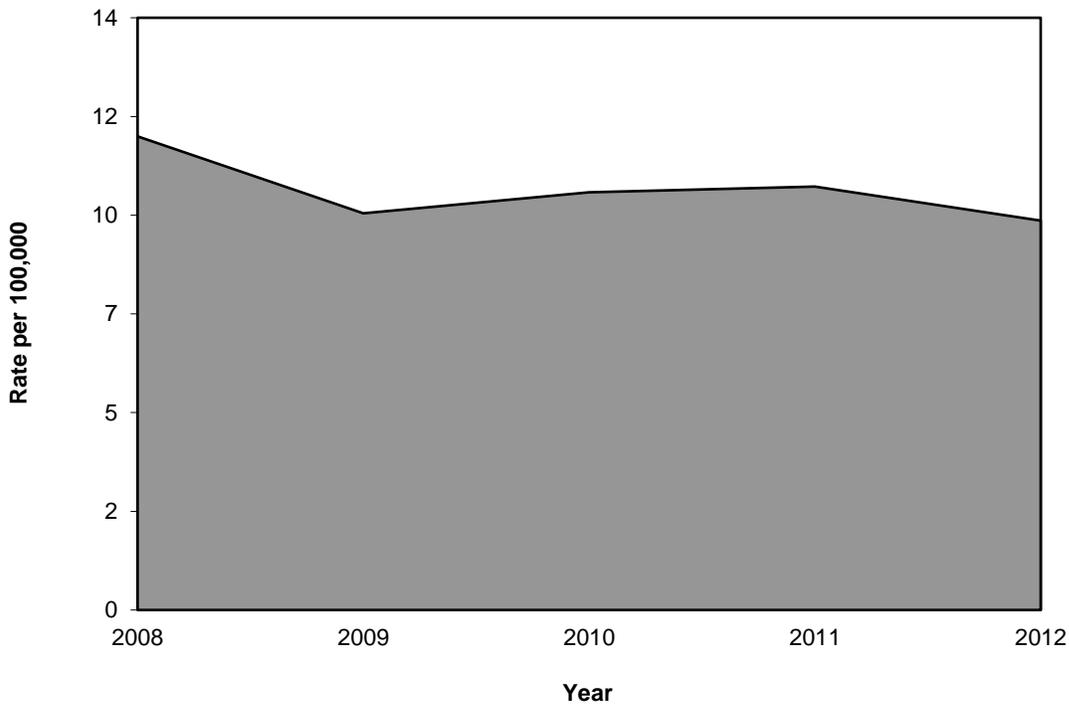
# INJURY DEATHS: MOTOR VEHICLE TRAFFIC

## TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	1,484	11.5
2009	1,261	9.6
2010	1,328	10.2
2011	1,381	10.3
2012	1,259	9.5

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## AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	15.9	16.0	13.4	8.5	15.0	11.4
2009	12.9	12.1	10.8	7.3	12.8	9.8
2010	14.2	13.2	11.0	7.2	14.3	10.6
2011	15.1	14.4	11.1	8.0	13.4	9.7
2012	13.1	14.1	10.8	7.5	10.0	9.5

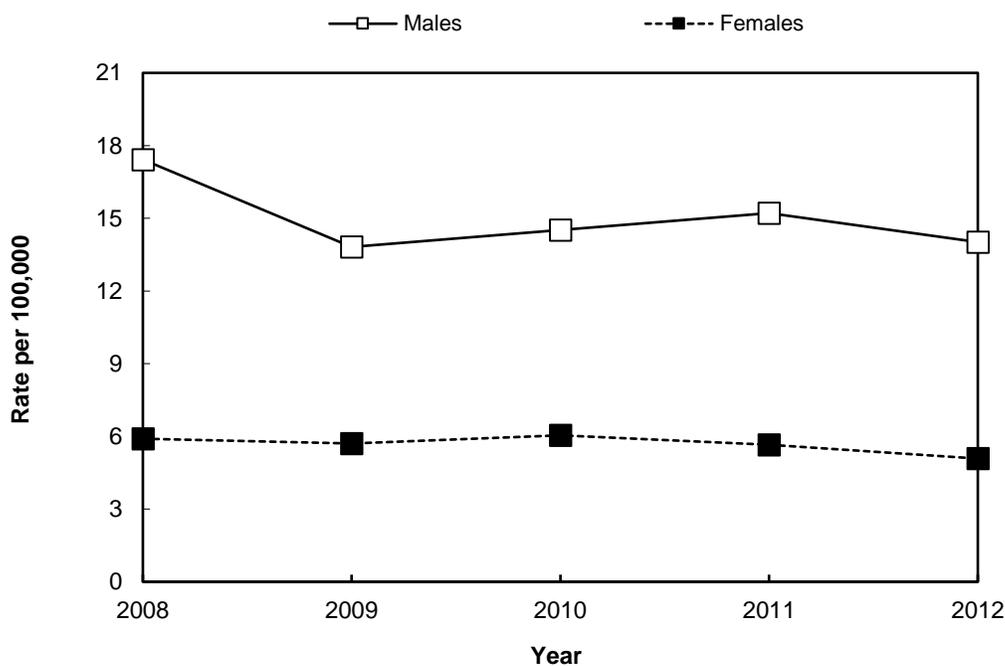
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-10 codes. See Technical Notes.

## INJURY DEATHS: MOTOR VEHICLE TRAFFIC

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	972	15.2	2011	409	5.7
2012	900	14.0	2012	359	5.1



### AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

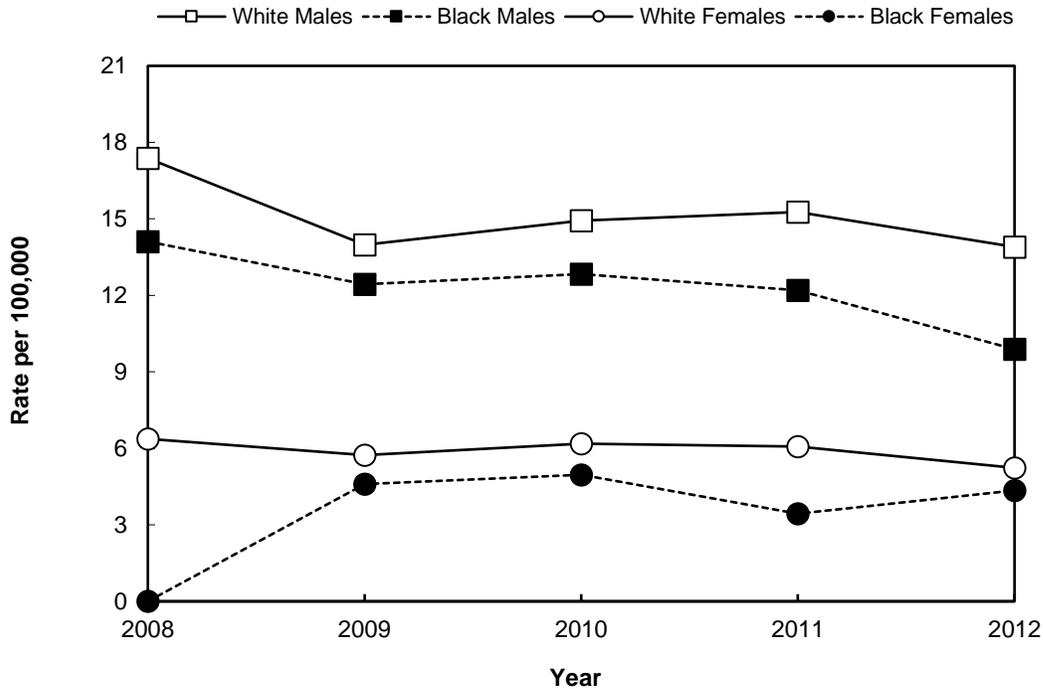
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	14.5	24.8	2008	4.7	9.2
2009	11.4	20.0	2009	4.4	9.3
2010	11.6	22.1	2010	4.4	10.7
2011	13.0	21.1	2011	4.2	9.5
2012	11.5	20.5	2012	4.2	7.6

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 INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2008	928	87	377	16	52	6
2009	756	80	348	32	17	10
2010	780	84	349	36	33	16
2011	829	82	370	27	40	8
2012	756	71	311	34	43	8



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	15.3	12.2	6.1	3.4	11.1	NSR
2012	13.9	9.9	5.2	4.3	10.1	NSR

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 DEATHS: MOTOR VEHICLE TRAFFIC

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>6,713</b>	<b>10.6</b>	<b>4,727</b>	<b>15.3</b>	<b>1,986</b>	<b>6.1</b>	<b>3,955</b>	<b>8.6</b>	<b>2,758</b>	<b>16.0</b>
< 5	47	1.3	31	1.7	16	0.9	30	1.1	17	1.9
5-9	41	1.1	22	1.1	19	1.0	25	0.9	16	1.6
10-14	52	1.3	30	1.5	22	1.1	31	1.1	21	2.0
15-19	640	14.2	419	18.3	221	9.9	345	10.6	295	23.6
20-24	900	20.3	694	30.9	206	9.4	534	16.7	366	29.7
25-29	642	16.5	486	24.7	156	8.2	390	13.2	252	27.0
30-34	420	11.2	322	17.1	98	5.3	255	9.1	165	17.4
35-39	409	10.7	319	16.8	90	4.7	233	8.3	176	17.4
40-44	434	10.2	319	15.1	115	5.3	240	7.7	194	16.8
45-49	525	11.4	384	16.9	141	6.0	314	9.4	211	16.8
50-54	488	10.3	360	15.5	128	5.3	286	8.3	202	15.4
55-59	406	9.4	300	14.2	106	4.8	259	8.4	147	11.9
60-64	311	8.4	238	13.4	73	3.8	175	6.7	136	12.6
65-69	261	9.3	167	12.8	94	6.3	145	7.4	116	13.7
70-74	273	12.4	164	16.7	109	9.0	155	10.2	118	17.6
75-79	275	15.2	166	21.9	109	10.4	155	12.2	120	22.2
80-84	293	19.7	156	27.2	137	15.0	186	17.6	107	24.9
85 +	296	19.0	150	30.5	146	13.7	197	17.6	99	22.7

\* 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 DEATHS: MOTOR VEHICLE TRAFFIC

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>4,049</b>	<b>15.6</b>	<b>404</b>	<b>12.1</b>	<b>1,755</b>	<b>6.4</b>	<b>145</b>	<b>4.0</b>	<b>233</b>	<b>6.7</b>
< 5	19	1.3	6	2.2	12	0.9	3	1.2	5	1.3
5-9	16	1.1	5	1.9	16	1.1	2	0.8	2	0.6
10-14	23	1.4	4	1.4	15	1.0	5	1.9	4	1.2
15-19	359	19.6	30	9.3	194	10.9	10	3.2	36	10.5
20-24	571	31.8	69	22.1	178	10.2	20	6.5	36	11.3
25-29	387	24.3	58	23.2	130	8.5	17	6.7	39	13.4
30-34	255	16.6	47	20.9	82	5.5	10	4.2	22	8.0
35-39	253	16.1	34	16.1	76	4.9	9	3.9	27	10.7
40-44	284	15.8	23	10.4	103	5.7	8	3.3	13	5.7
45-49	324	16.5	43	19.3	127	6.4	10	4.0	13	6.4
50-54	314	15.4	23	11.1	107	5.1	15	6.2	18	11.5
55-59	269	14.3	19	11.1	92	4.7	11	5.3	5	4.2
60-64	217	13.6	15	11.6	67	3.9	2	1.2	4	4.8
65-69	154	13.0	6	7.0	85	6.3	5	4.2	3	5.2
70-74	149	16.6	8	12.8	101	9.2	3	3.2	3	7.8
75-79	158	22.6	7	15.4	99	10.4	8	10.3	2	7.5
80-84	148	27.7	6	19.5	129	15.4	6	9.8	1	5.7
85 +	149	32.5	1	3.8	142	14.4	1	1.5	0	0.0

\* 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. 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 INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST						
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate					
<b>TOTAL</b>	<b>674</b>	<b>14.6</b>	<b>524</b>	<b>14.0</b>	<b>943</b>	<b>11.9</b>	<b>2,013</b>	<b>7.9</b>	<b>1,107</b>	<b>13.1</b>	<b>1,452</b>	<b>10.7</b>					
< 5	3	NSR	2	NSR	7	NSR	15	0.9	-	3	NSR	9	NSR				
5-9	5	NSR	2	NSR	3	NSR	13	0.8	-	4	NSR	10	1.4				
10-14	7	NSR	12	6.0	+	6	NSR	19	1.1		20	5.1	+	13	1.7		
15-19	59	17.5	+	73	25.4	+	85	15.0		195	10.6	-	148	28.2	+	125	13.7
20-24	85	27.2	+	63	19.6		133	25.2	+	283	15.6	-	171	35.0	+	181	20.3
25-29	61	23.5	+	42	27.0	+	87	19.3	+	222	13.1	-	93	21.7		134	16.8
30-34	46	17.9	+	33	18.5	+	43	9.6	-	130	8.2	-	67	15.1		95	12.3
35-39	43	16.0	+	31	16.1		57	12.0		117	7.4	-	88	17.5	+	83	10.6
40-44	49	16.2	+	43	19.6	+	71	13.0	+	122	7.0	-	87	15.7	+	81	9.1
45-49	51	15.4	+	37	17.3	+	79	13.3	+	152	8.2	-	66	12.3		125	12.7
50-54	56	15.9	+	29	14.1		63	10.4		146	7.9	-	62	12.4		107	10.0
55-59	29	8.8		38	20.1	+	60	10.8		121	7.4	-	54	12.2		100	10.0
60-64	35	12.3	+	20	12.7		43	8.8		73	5.3	-	46	12.8		80	9.4
65-69	31	14.0	+	12	10.8		43	11.4	+	63	6.2	-	44	15.0	+	56	8.9
70-74	28	15.7	+	21	17.4		40	13.8		77	9.8	-	38	17.2	+	56	10.9
75-79	35	24.0	+	30	32.3	+	42	17.9		82	12.6	-	37	19.5		54	12.5
80-84	26	21.9		16	24.6		37	19.2		91	17.2	-	41	29.6		73	19.4
85 +	25	20.5		20	33.4		44	22.0		92	16.2	-	38	29.9		70	17.7

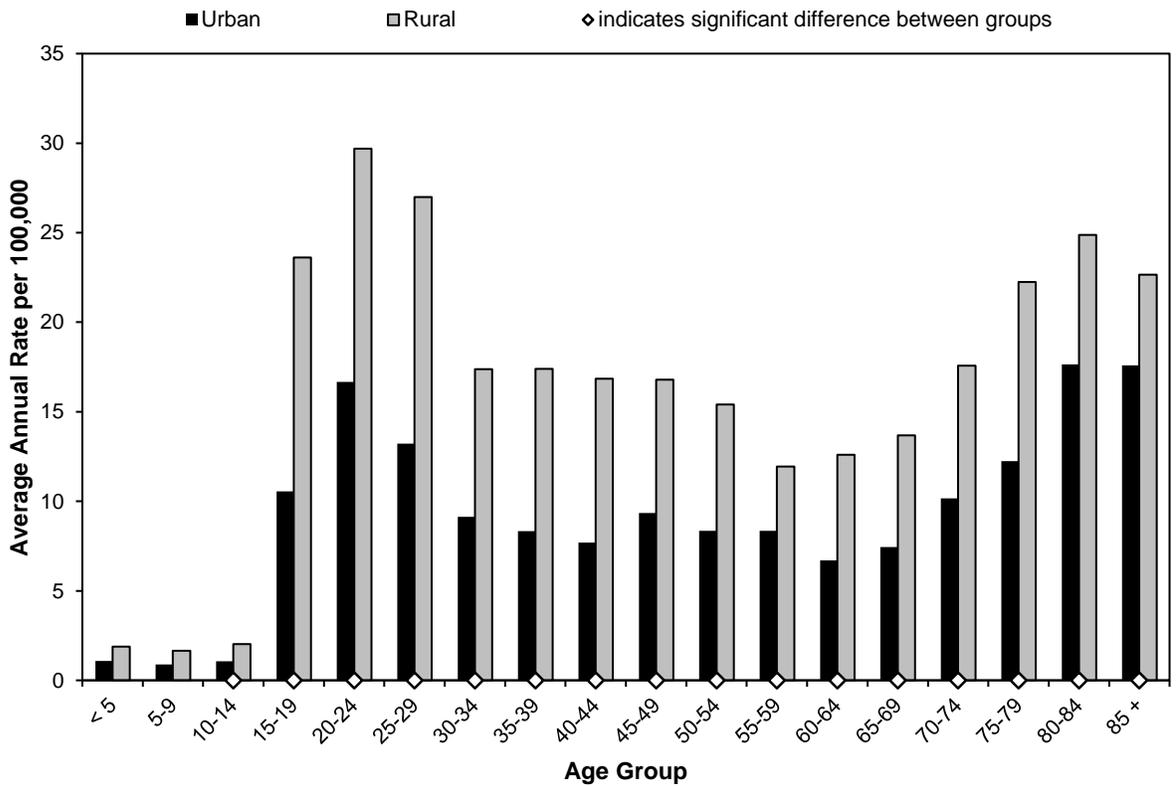
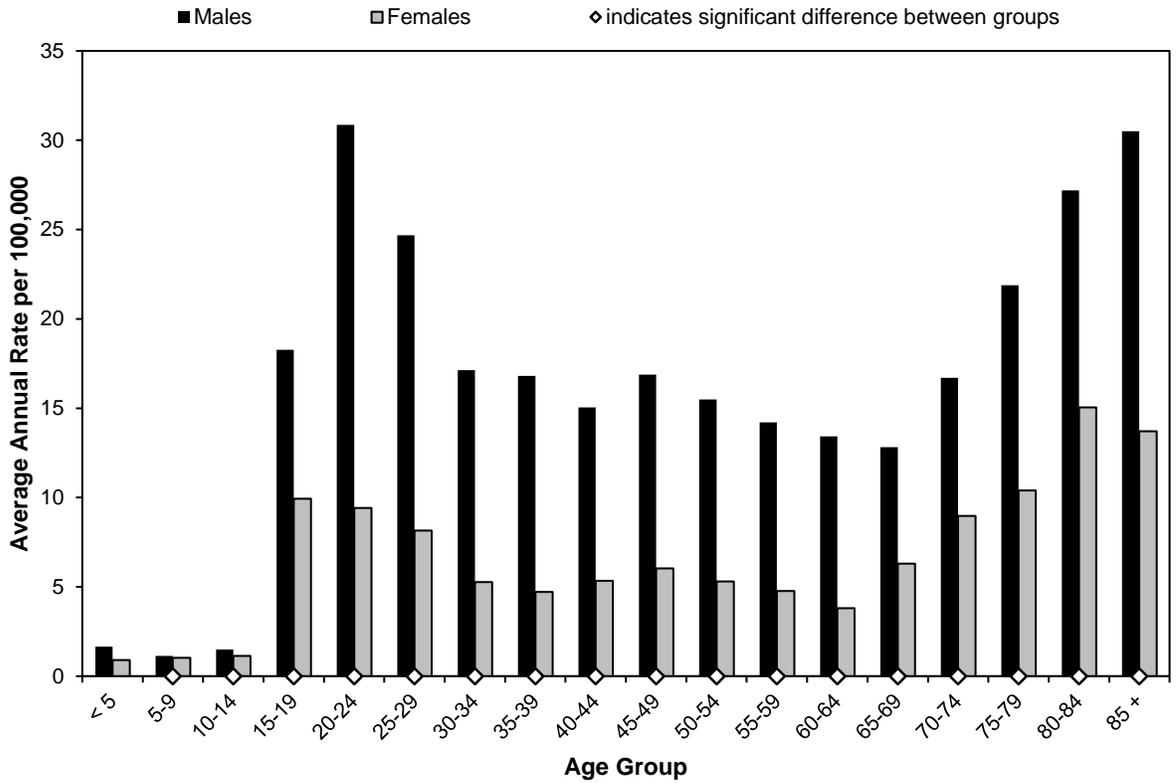
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

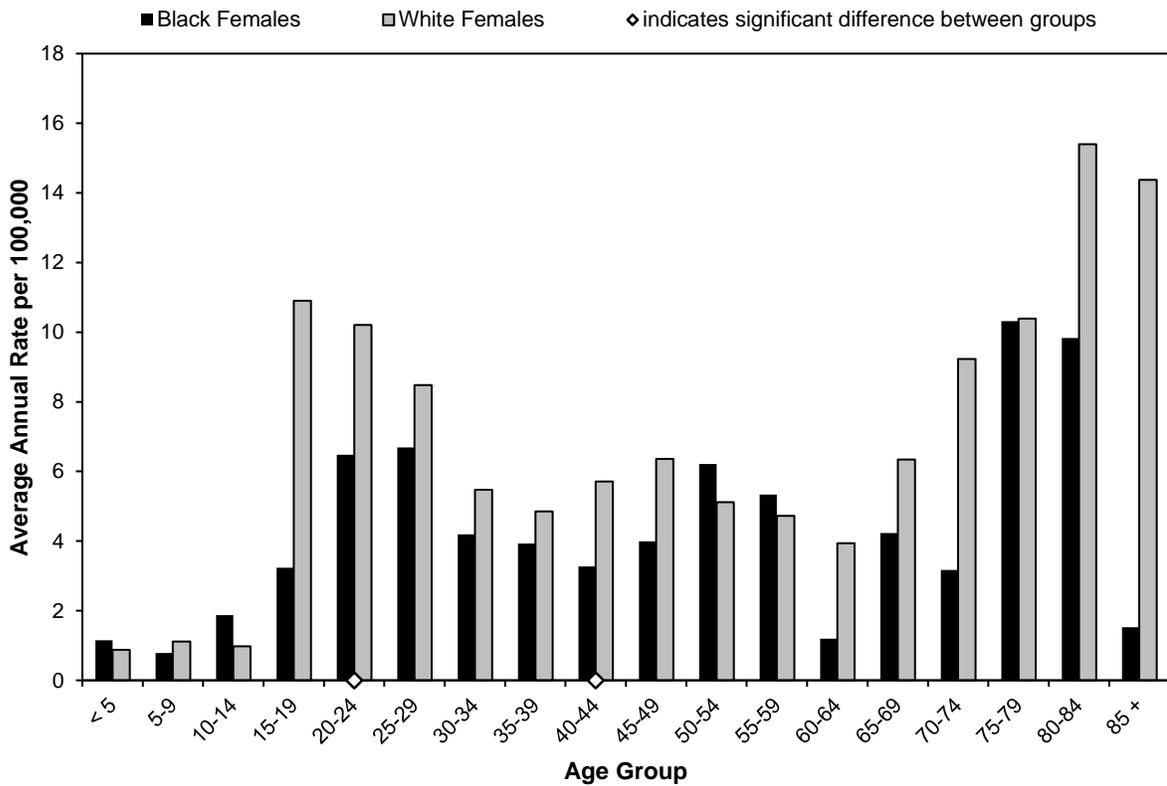
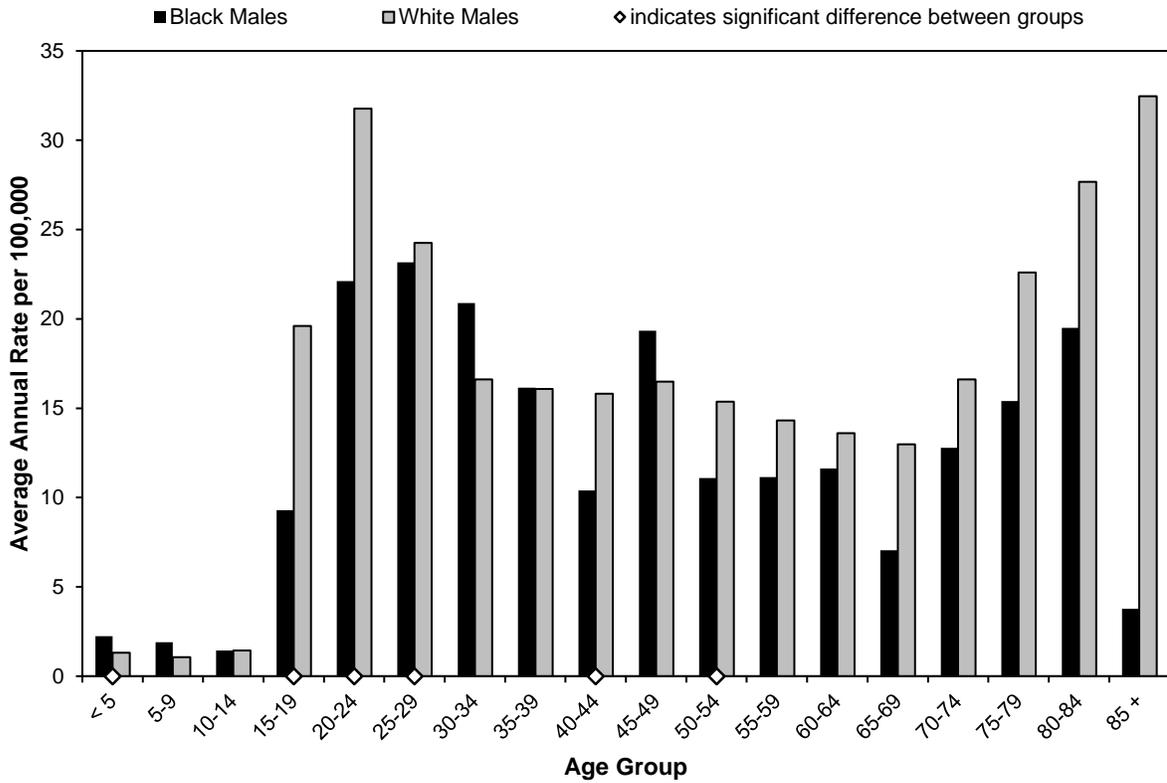
# INJURY DEATHS: MOTOR VEHICLE TRAFFIC

AVERAGE ANNUAL DEATH RATES BY SEX OR METROPOLITAN STATUS  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATHS: MOTOR VEHICLE TRAFFIC

## AVERAGE ANNUAL DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATHS: MOTOR VEHICLE TRAFFIC

## NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

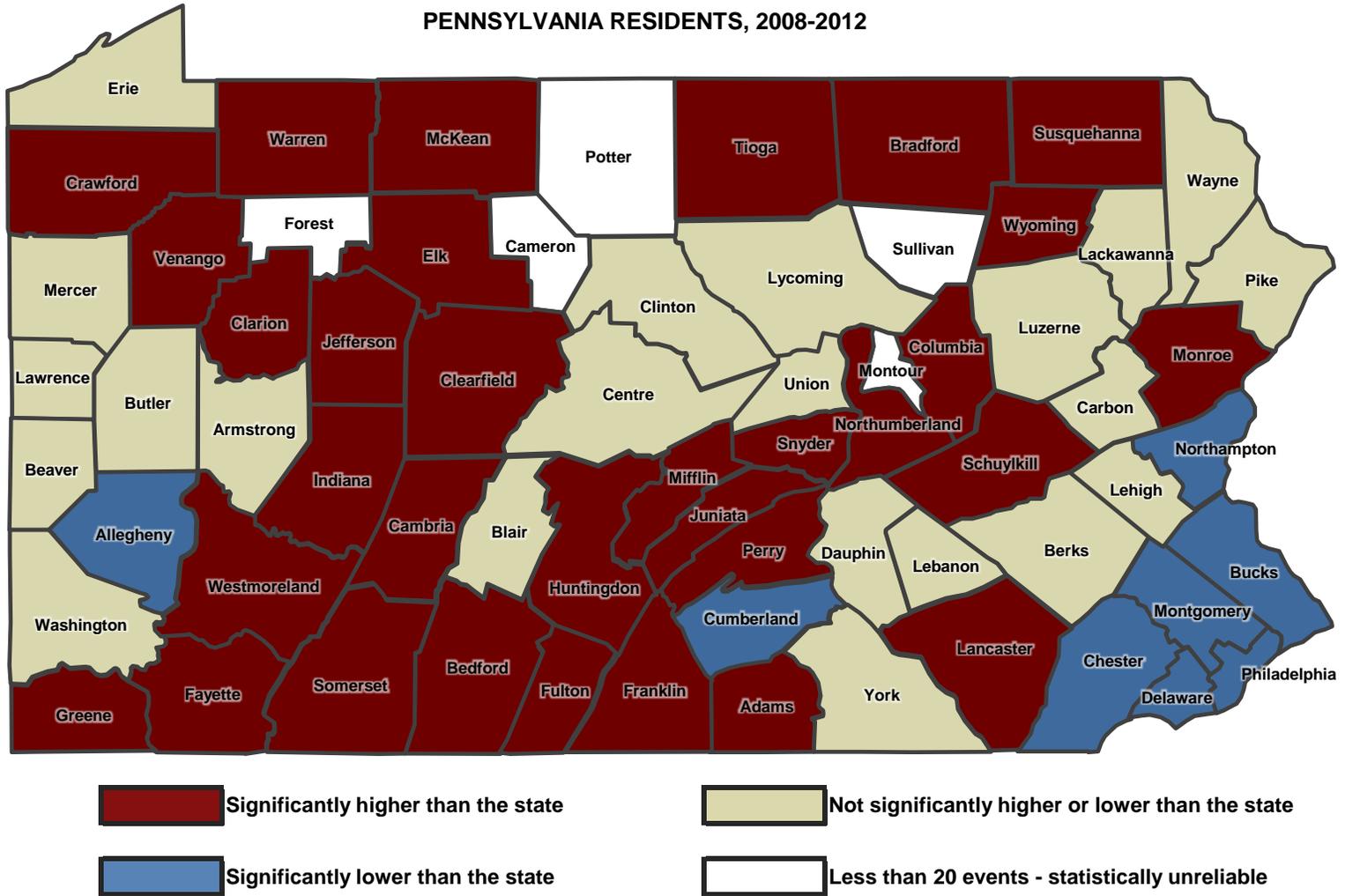
District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	943	11.4	10.7-12.2	+	<b>Southeast</b>	2,013	7.7	7.4-8.0	-
Carbon	47	14.1	10.1-18.2		Berks	230	11.0	9.6-12.5	
Lackawanna	117	10.3	8.4-12.2		Bucks	257	8.2	7.2-9.2	-
Lehigh	166	9.2	7.8-10.6		Chester	178	7.1	6.1-8.2	-
Luzerne	194	11.5	9.9-13.2		Delaware	152	5.2	4.4-6.0	-
Monroe	126	14.8	12.2-17.3	+	Lancaster	308	11.8	10.4-13.1	+
Northampton	133	8.5	7.1-10.0	-	Montgomery	224	5.7	5.0-6.5	-
Pike	33	12.2	8.1-16.4		Philadelphia	527	6.7	6.1-7.2	-
Susquehanna	54	27.9	20.4-35.3	+	Schuylkill	137	18.1	15.1-21.1	+
Wayne	39	15.2	10.4-19.9						
Wyoming	34	24.8	16.4-33.1	+					
<b>North Central</b>	524	14.0	12.8-15.2	+	<b>South Central</b>	1,107	13.1	12.3-13.9	+
Bradford	57	18.2	13.5-23.0	+	Adams	82	16.6	13.0-20.2	+
Centre	74	9.7	7.5-11.9		Bedford	61	27.3	20.4-34.1	+
Clinton	30	15.0	9.7-20.4		Blair	75	11.2	8.7-13.7	
Columbia	52	14.6	10.6-18.6	+	Cumberland	106	8.5	6.9-10.1	-
Lycoming	82	12.6	9.9-15.3		Dauphin	145	11.0	9.2-12.7	
Montour	13	NSR			Franklin	97	13.4	10.8-16.1	+
Northumberland	80	17.1	13.3-20.8	+	Fulton	22	29.5	17.2-41.8	+
Potter	18	NSR			Huntingdon	51	22.3	16.2-28.4	+
Snyder	33	16.6	11.0-22.3	+	Juniata	32	26.8	17.5-36.0	+
Sullivan	9	NSR			Lebanon	90	12.8	10.2-15.4	
Tioga	48	23.0	16.5-29.6	+	Mifflin	44	19.2	13.5-24.8	+
Union	28	10.8	6.8-14.8		Perry	56	25.5	18.8-32.1	+
					York	246	11.1	9.7-12.5	
<b>Northwest</b>	674	14.2	13.1-15.3	+	<b>Southwest</b>	1,452	10.2	9.7-10.7	
Cameron	9	NSR			Allegheny	397	5.9	5.3-6.5	-
Clarion	41	20.8	14.4-27.1	+	Armstrong	49	13.5	9.8-17.3	
Clearfield	79	18.5	14.4-22.6	+	Beaver	105	12.0	9.7-14.3	
Crawford	77	17.3	13.4-21.2	+	Butler	107	11.1	9.0-13.2	
Elk	32	19.9	13.0-26.8	+	Cambria	105	14.2	11.5-16.9	+
Erie	145	10.1	8.5-11.7		Fayette	144	22.2	18.6-25.9	+
Forest	11	NSR			Greene	47	22.9	16.3-29.4	+
Jefferson	36	17.2	11.6-22.9	+	Indiana	82	18.5	14.5-22.5	+
Lawrence	48	10.4	7.4-13.3		Somerset	65	15.8	12.0-19.6	+
McKean	36	16.4	11.1-21.8	+	Washington	116	10.8	8.9-12.8	
Mercer	65	11.1	8.4-13.8		Westmoreland	235	12.9	11.2-14.5	+
Venango	51	18.1	13.1-23.0	+					
Warren	44	21.8	15.3-28.2	+	<b>Pennsylvania</b>	<b>6,713</b>	<b>10.2</b>	<b>10.0-10.5</b>	

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, 2008-2012



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 INJURY DEATHS AND AVERAGE ANNUAL DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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	4,727	1,986	<b>6,713</b>	1,700	10.7	1,615	13.4	1,374	10.8	1,031	8.1	993	10.1
<b>Northeast</b>	663	280	<b>943</b>	226	11.5	207	14.5	209	12.9	154	9.3	147	11.3
Carbon	31	16	47	13	18.1	13	23.5	8	NSR	9	NSR	4	NSR
Lackawanna	84	33	117	39	15.5	17	8.5	28	13.7	19	8.8	14	7.4
Lehigh	112	54	166	40	8.8	33	10.1	31	8.8	28	8.2	34	12.9
Luzerne	138	56	194	24	6.6	51	17.7	42	13.1	34	10.4	43	14.9
Monroe	93	33	126	32	14.1	24	16.5	34	18.7	20	11.3	16	14.8
Northampton	95	38	133	13	3.4	31	11.5	33	10.9	23	7.6	33	14.3
Pike	17	16	33	15	21.3	7	NSR	6	NSR	5	NSR	0	NSR
Susquehanna	45	9	54	24	48.9	11	33.5	12	29.2	4	NSR	3	NSR
Wayne	24	15	39	17	31.1	6	NSR	7	NSR	9	NSR	0	NSR
Wyoming	24	10	34	9	NSR	14	59.8	8	NSR	3	NSR	0	NSR
<b>Southeast</b>	1,430	583	<b>2,013</b>	445	6.6	525	10.3	405	7.9	292	6.0	346	9.7
Berks	176	54	230	50	8.9	55	14.7	54	12.8	31	7.8	40	13.4
Bucks	180	77	257	64	8.1	48	9.4	58	8.4	41	6.0	46	10.0
Chester	123	55	178	59	8.5	31	7.1	38	7.0	22	4.4	28	8.6
Delaware	108	44	152	52	7.0	31	5.8	31	5.6	14	2.5	24	6.0
Lancaster	222	86	308	47	6.5	104	21.3	56	11.2	38	7.8	63	16.2
Montgomery	147	77	224	65	6.5	54	7.7	40	4.7	21	2.6	44	7.3
Philadelphia	383	144	527	61	3.0	178	9.4	100	7.0	105	8.2	83	8.8
Schuylkill	91	46	137	47	29.2	24	18.6	28	17.7	20	13.0	18	13.4

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	4,727	1,986	<b>6,713</b>	1,700	10.7	1,615	13.4	1,374	10.8	1,031	8.1	993	10.1
<b>North Central</b>	359	165	<b>524</b>	192	22.6	115	15.3	96	14.9	70	10.4	51	9.2
Bradford	34	23	57	21	27.1	12	24.2	10	16.2	10	15.0	4	NSR
Centre	54	20	74	31	16.7	16	6.6	12	9.8	9	NSR	6	NSR
Clinton	19	11	30	8	NSR	8	NSR	7	NSR	5	NSR	2	NSR
Columbia	40	12	52	25	30.1	6	NSR	12	20.2	4	NSR	5	NSR
Lycoming	58	24	82	22	15.7	21	18.7	17	15.0	14	11.6	8	NSR
Montour	9	4	13	8	NSR	3	NSR	2	NSR	0	NSR	0	NSR
Northumberland	55	25	80	34	32.1	11	14.0	11	11.7	11	11.0	13	14.9
Potter	16	2	18	7	NSR	5	NSR	6	NSR	0	NSR	0	NSR
Snyder	20	13	33	8	NSR	10	25.9	6	NSR	3	NSR	6	NSR
Sullivan	8	1	9	6	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Tioga	29	19	48	11	20.8	13	35.5	8	NSR	9	NSR	7	NSR
Union	17	11	28	11	21.6	7	NSR	5	NSR	5	NSR	0	NSR
<b>South Central</b>	788	319	<b>1,107</b>	332	15.8	256	16.9	220	12.9	167	9.8	132	10.1
Adams	60	22	82	33	25.4	18	20.2	18	17.1	11	10.5	2	NSR
Bedford	42	19	61	31	52.5	15	38.5	7	NSR	7	NSR	1	NSR
Blair	53	22	75	8	NSR	19	16.9	14	11.5	17	12.8	17	15.1
Cumberland	71	35	106	46	16.0	22	9.4	17	7.3	13	5.6	8	NSR
Dauphin	110	35	145	32	9.5	37	14.9	29	10.6	25	9.0	22	11.9
Franklin	67	30	97	33	17.0	25	19.2	18	12.3	8	NSR	13	10.4
Fulton	12	10	22	10	54.6	5	NSR	7	NSR	0	NSR	0	NSR
Huntingdon	34	17	51	15	28.7	18	40.7	4	NSR	9	NSR	5	NSR
Juniata	25	7	32	11	35.5	7	NSR	8	NSR	3	NSR	3	NSR
Lebanon	64	26	90	29	17.4	13	10.8	21	16.2	13	9.8	14	12.3
Mifflin	33	11	44	14	23.7	10	26.6	9	NSR	8	NSR	3	NSR
Perry	42	14	56	13	22.0	14	35.8	16	33.1	7	NSR	6	NSR
York	175	71	246	57	10.2	53	13.7	52	11.1	46	10.4	38	12.3

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	4,727	1,986	<b>6,713</b>	1,700	10.7	1,615	13.4	1,374	10.8	1,031	8.1	993	10.1
<b>Northwest</b>	468	206	<b>674</b>	201	17.6	173	20.9	129	14.3	104	10.8	67	8.5
Cameron	7	2	9	5	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Clarion	29	12	41	17	34.1	12	29.6	6	NSR	5	NSR	1	NSR
Clearfield	55	24	79	22	24.7	19	26.3	13	14.6	16	18.5	9	NSR
Crawford	47	30	77	21	18.4	19	25.1	17	20.2	13	13.8	7	NSR
Elk	23	9	32	15	41.1	8	NSR	4	NSR	5	NSR	0	NSR
Erie	108	37	145	18	4.9	44	15.6	37	13.8	21	7.6	25	12.2
Forest	9	2	11	5	NSR	6	NSR	0	NSR	0	NSR	0	NSR
Jefferson	27	9	36	19	35.2	8	NSR	5	NSR	4	NSR	0	NSR
Lawrence	33	15	48	12	11.0	11	14.9	8	NSR	7	NSR	10	11.7
McKean	20	16	36	13	24.7	9	NSR	8	NSR	6	NSR	0	NSR
Mercer	45	20	65	22	15.2	12	12.3	15	13.5	9	NSR	7	NSR
Venango	34	17	51	16	24.4	10	23.2	10	19.2	11	17.6	4	NSR
Warren	31	13	44	16	33.8	11	34.9	6	NSR	7	NSR	4	NSR
<b>Southwest</b>	1,019	433	<b>1,452</b>	304	9.7	339	13.8	315	11.8	244	8.4	250	10.6
Allegheny	276	121	397	34	2.4	97	8.0	69	5.8	91	7.1	106	10.3
Armstrong	37	12	49	17	21.3	8	NSR	11	15.9	9	NSR	4	NSR
Beaver	83	22	105	25	12.8	23	16.3	21	12.5	18	9.4	18	11.3
Butler	66	41	107	37	15.7	16	10.3	29	14.9	16	8.2	9	NSR
Cambria	76	29	105	26	16.0	25	20.1	19	13.7	15	9.6	20	14.8
Fayette	98	46	144	20	12.7	48	41.3	41	29.0	15	9.7	20	16.1
Greene	35	12	47	22	50.1	9	NSR	10	24.8	4	NSR	2	NSR
Indiana	62	20	82	6	NSR	26	27.2	15	19.7	18	20.6	17	24.2
Somerset	43	22	65	25	30.4	11	16.6	14	17.5	9	NSR	6	NSR
Washington	77	39	116	36	14.8	24	13.5	26	12.6	16	7.0	14	7.7
Westmoreland	166	69	235	56	13.8	52	18.1	60	16.4	33	8.0	34	9.9

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: MOTOR VEHICLE TRAFFIC

### NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	65	8.4	6.4-10.5	Allegheny	315	5.5	4.9-6.1	Berks	24	6.8	4.1-9.5
Chester	16	10.5	5.4-15.7	Chester	151	6.8	5.7-7.9	Lancaster	22	8.9	5.2-12.6
Dauphin	34	14.5	9.7-19.4	Dauphin	103	9.9	8.0-11.8	Lehigh	21	8.7	5.0-12.4
Delaware	27	5.1	3.2-7.0	Delaware	122	5.4	4.4-6.3	Philadelphia	61	7.0	5.2-8.7
Montgomery	34	9.4	6.2-12.5	Montgomery	174	5.4	4.6-6.2				
Philadelphia	258	7.5	6.6-8.4	Philadelphia	170	4.5	3.8-5.2				
Pennsylvania	549	7.9	7.2-8.5	Pennsylvania	5,804	10.4	10.1-10.7	Pennsylvania	233	6.8	5.9-7.7

### NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	46	19	<b>65</b>	16.4%	4	1.5	28	16.0	13	8.7	9	6.4	11	12.2
	White	82.1%	218	97	<b>315</b>	79.3%	28	2.7	63	6.6	53	5.4	76	6.8	95	10.3
Chester	Black	6.3%	13	3	<b>16</b>	9.0%	2	4.0	7	19.7	3	10.1	1	3.9	3	18.9
	White	87.9%	102	49	<b>151</b>	84.8%	23	3.9	42	11.3	25	5.2	28	6.1	33	11.0
Dauphin	Black	18.3%	25	9	<b>34</b>	23.4%	8	9.8	13	26.5	9	18.6	3	7.4	1	4.7
	White	75.3%	79	24	<b>103</b>	71.0%	6	2.7	24	13.4	25	12.0	25	11.0	23	14.4
Delaware	Black	19.6%	17	10	<b>27</b>	17.8%	2	1.1	10	7.7	9	8.0	5	6.2	1	2.4
	White	73.7%	88	34	<b>122</b>	80.3%	10	2.0	28	7.6	21	5.2	26	5.9	37	10.7
Montgomery	Black	8.9%	18	16	<b>34</b>	15.2%	8	7.8	9	12.0	12	15.0	1	1.6	4	11.3
	White	82.7%	115	59	<b>174</b>	77.7%	20	2.5	61	11.0	28	4.0	18	2.6	47	8.6
Philadelphia	Black	44.8%	183	75	<b>258</b>	49.0%	27	2.6	108	14.3	54	8.3	41	7.1	28	7.6
	White	45.0%	122	48	<b>170</b>	32.3%	11	1.5	44	4.8	28	4.4	38	6.3	49	9.4
Pennsylvania	Black	11.0%	404	145	<b>549</b>	8.2%	65	2.9	221	13.9	127	9.2	85	7.6	51	7.6
	White	84.1%	4,049	1,755	<b>5,804</b>	86.5%	654	5.2	1,603	16.5	1,167	10.9	1,066	9.5	1,314	14.6

## INJURY DEATHS: FIREARM-RELATED

In 2012, among Pennsylvania residents, there were 1,435 deaths due to firearm-related injuries and violence. On average, one resident died every six hours.

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### Injury Definition

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Firearm-related injury includes:

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

Firearms include handguns, shotguns and rifles.

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

### HIGHLIGHTS

- Age-adjusted rates generally **fluctuated** from 2008 to 2012.
- Most common demographic is **black males**, ages 20 to 24.
- Of all Pennsylvania counties, **Philadelphia** had the highest age-adjusted rate.

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### Trends Over Time

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- Age-adjusted firearm-related death rates fluctuated during the 2008 to 2012 period from 10.6 deaths per 100,000 population in 2008 to 11.0 deaths per 100,000 population in 2012 representing an overall increase of 4 percent.
- Black males had higher age-adjusted firearm death rates than white males from 2008 to 2012.

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### Demographic Trends

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- From 2008 to 2012, males had higher age-adjusted firearm death rates than females for all age groups where rates could be calculated.
- Among males, blacks had significantly higher firearm death rates for ages 15 to 49. Among females, blacks had significantly higher rates for ages 15 to 49.
- Urban populations had significantly higher firearm death rates for ages 10 to 34 while rural populations had significantly higher rates for ages 45 and older.

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### Regional Trends

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- The Southeast Health District generally had the highest age-adjusted firearm death rate, while the North Central Health District had the lowest rate.
- Three counties had age-adjusted firearm-related death rates in 2008 to 2012 that were significantly higher than the comparable state rate: Allegheny, Philadelphia and Elk. Two of these counties were urban counties.

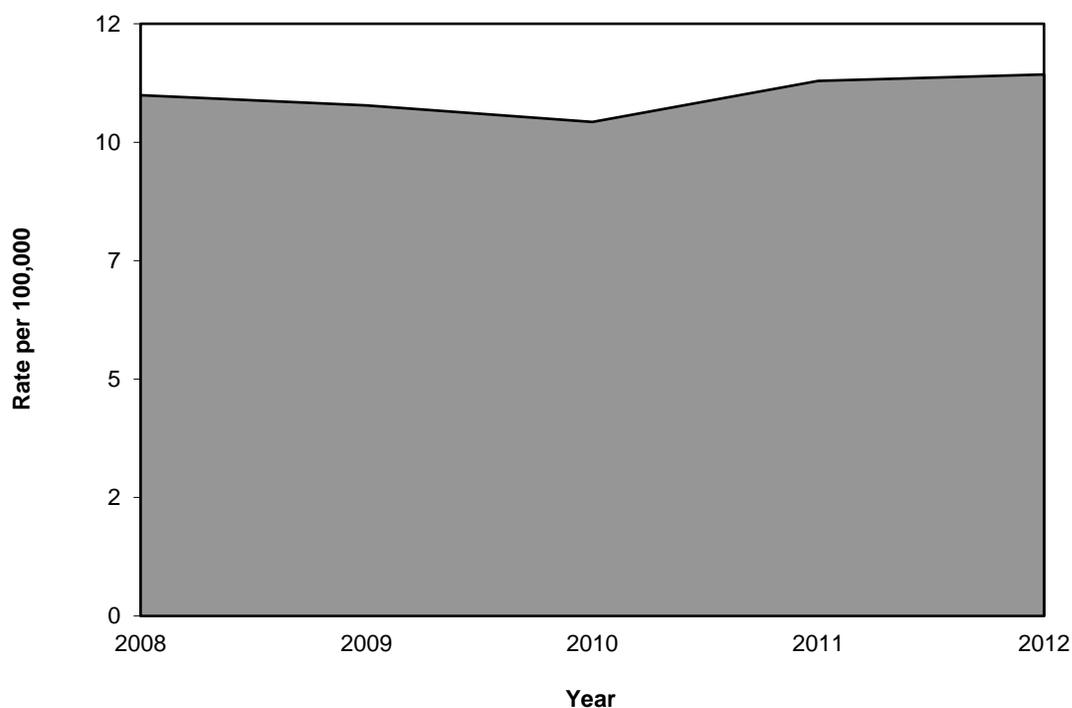
## INJURY DEATHS: FIREARM-RELATED

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	1,335	10.6
2009	1,336	10.3
2010	1,294	10.0
2011	1,417	10.8
2012	1,435	11.0

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### AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	8.4	8.0	9.0	12.1	8.7	11.1
2009	9.5	7.5	7.8	11.2	10.0	11.3
2010	11.2	9.5	8.0	10.7	9.5	9.8
2011	10.6	7.9	10.1	12.0	8.8	11.1
2012	11.1	7.6	10.6	11.9	10.2	10.5

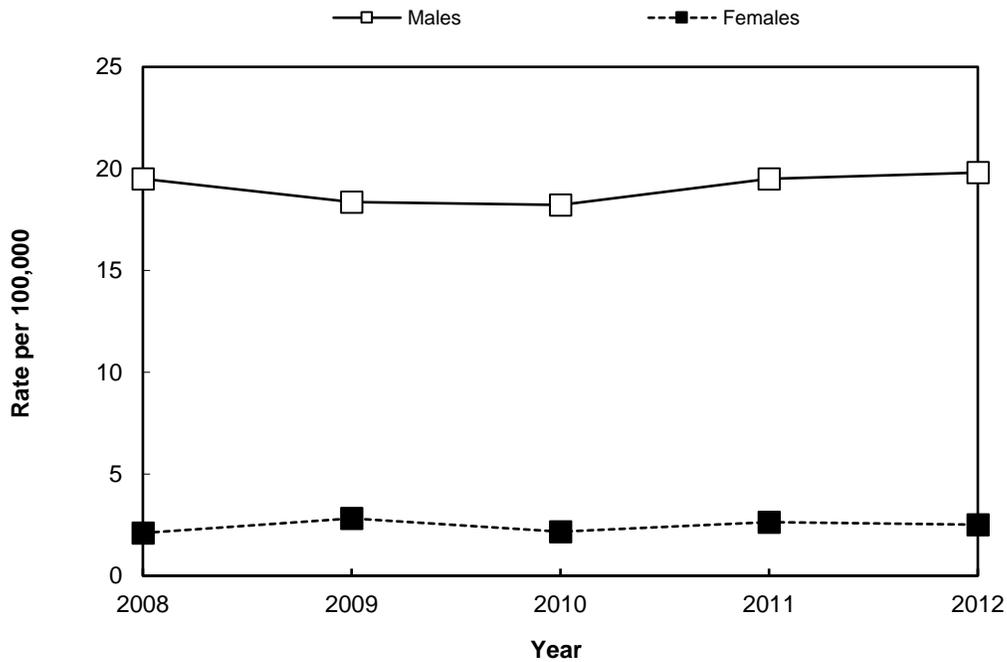
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.  
Rates are per 100,000. Data for 2008-2012 based on ICD-10 codes. See Technical Notes.

## INJURY DEATHS: FIREARM-RELATED

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	1,248	19.5	2011	169	2.6
2012	1,265	19.8	2012	170	2.5



### AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

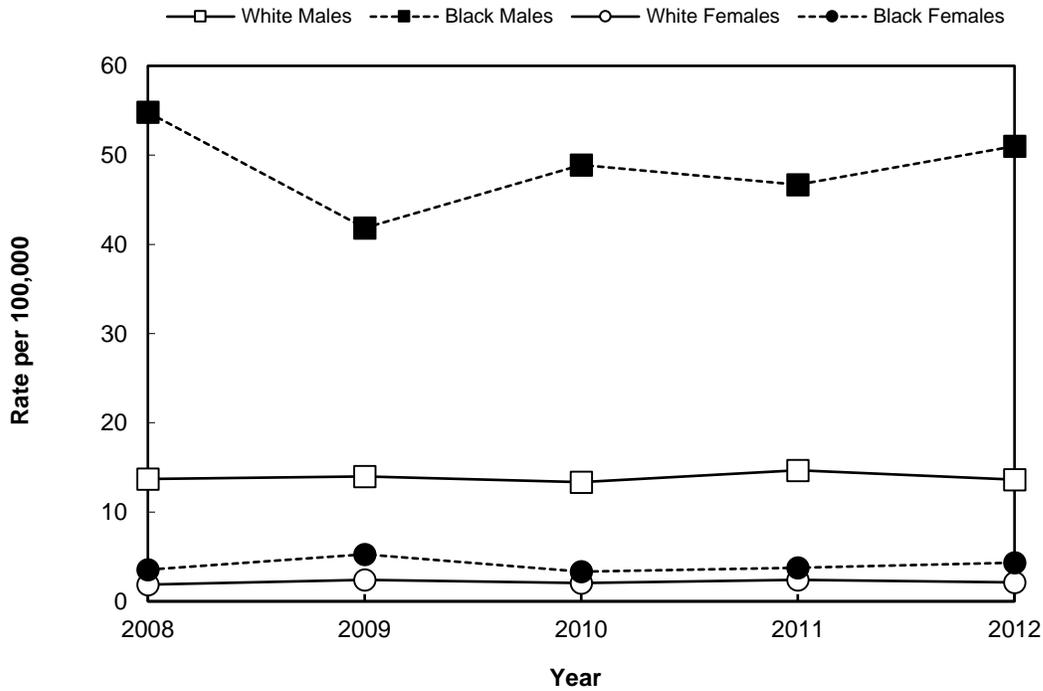
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	20.7	16.3	2008	2.0	2.4
2009	19.2	16.1	2009	2.7	3.3
2010	19.0	15.9	2010	2.2	2.1
2011	20.1	18.0	2011	2.6	2.7
2012	20.4	18.0	2012	2.1	3.5

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 DEATHS: FIREARM-RELATED

## TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2008	751	392	106	26	48	4
2009	773	312	138	39	59	6
2010	729	356	112	24	39	2
2011	823	358	132	28	47	7
2012	772	388	124	34	72	9



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	14.7	46.7	2.4	3.8	11.0	NSR
2012	13.6	51.0	2.1	4.3	16.1	NSR

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 DEATHS: FIREARM-RELATED

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>6,817</b>	<b>10.8</b>	<b>6,017</b>	<b>19.5</b>	<b>800</b>	<b>2.5</b>	<b>5,042</b>	<b>11.0</b>	<b>1,775</b>	<b>10.3</b>
< 5	14	0.4	12	0.6	2	NSR	12	0.4	2	NSR
5-9	11	0.3	7	NSR	4	NSR	8	NSR	3	NSR
10-14	37	0.9	32	1.6	5	NSR	23	0.8	14	1.3
15-19	545	12.1	504	22.0	41	1.8	479	14.7	66	5.3
20-24	954	21.5	872	38.8	82	3.7	836	26.1	118	9.6
25-29	705	18.2	637	32.3	68	3.6	582	19.7	123	13.2
30-34	577	15.4	508	27.0	69	3.7	455	16.3	122	12.8
35-39	493	12.9	423	22.3	70	3.7	370	13.2	123	12.2
40-44	508	11.9	433	20.4	75	3.5	371	11.9	137	11.9
45-49	566	12.3	482	21.2	84	3.6	366	10.9	200	15.9
50-54	583	12.3	504	21.7	79	3.3	380	11.1	203	15.5
55-59	476	11.0	402	19.1	74	3.3	309	10.0	167	13.6
60-64	383	10.4	333	18.8	50	2.6	257	9.8	126	11.7
65-69	256	9.2	226	17.3	30	2.0	160	8.2	96	11.3
70-74	211	9.6	189	19.3	22	1.8	121	7.9	90	13.4
75-79	187	10.4	170	22.4	17	1.6	116	9.2	71	13.2
80-84	176	11.9	157	27.4	19	2.1	109	10.3	67	15.6
85 +	135	8.7	126	25.6	9	0.8	88	7.9	47	10.8

\* 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: FIREARM-RELATED

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>3,848</b>	<b>14.8</b>	<b>1,806</b>	<b>54.2</b>	<b>612</b>	<b>2.2</b>	<b>151</b>	<b>4.1</b>	<b>293</b>	<b>8.4</b>		
< 5	9	NSR	2	NSR	2	NSR	0	NSR	0	NSR		
5-9	5	NSR	1	NSR	3	NSR	1	NSR	1	NSR		
10-14	21	1.3	7	NSR	4	NSR	1	NSR	3	NSR		
15-19	128	7.0	330	102.3	*	16	0.9	20	6.5	*	41	12.0
20-24	269	15.0	520	166.7	*	38	2.2	35	11.3	*	73	22.9
25-29	250	15.7	325	129.8	*	45	2.9	18	7.1	*	49	16.9
30-34	266	17.3	203	90.2	*	46	3.1	19	8.0	*	29	10.6
35-39	232	14.7	155	73.6	*	50	3.2	14	6.1	*	34	13.5
40-44	309	17.2	93	42.0	*	57	3.2	16	6.5	*	25	10.9
45-49	406	20.7	59	26.5	*	67	3.4	15	6.0	*	15	7.4
50-54	442	21.6	44	21.2		74	3.5	4	NSR		9	NSR
55-59	364	19.4	25	14.7	*	69	3.5	4	NSR		9	NSR
60-64	311	19.5	16	12.4	*	47	2.8	2	NSR		3	NSR
65-69	209	17.6	13	15.3		27	2.0	2	NSR		2	NSR
70-74	184	20.5	4	NSR		22	2.0	0	NSR		0	NSR
75-79	164	23.5	5	NSR		17	1.8	0	NSR		0	NSR
80-84	156	29.2	1	NSR		19	2.3	0	NSR		0	NSR
85 +	123	26.8	3	NSR		9	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 INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>493</b>	<b>10.7</b>	<b>294</b>	<b>8.1</b>	<b>752</b>	<b>9.5</b>	<b>2,978</b>	<b>11.7</b>	<b>811</b>	<b>9.4</b>	<b>1,489</b>	<b>63.9</b>						
< 5	1	NSR	0	NSR	2	NSR	4	NSR	0	NSR	5	NSR						
5-9	3	NSR	0	NSR	1	NSR	2	NSR	0	NSR	5	NSR						
10-14	3	NSR	1	NSR	4	NSR	13	0.8	2	NSR	12	1.5	+					
15-19	21	6.2	-	9	NSR	44	7.8	-	292	15.9	+	44	8.4	-	130	14.3		
20-24	34	10.9	-	21	6.2	-	78	14.8	-	582	32.1	+	72	14.6	-	174	19.5	
25-29	35	13.5	-	22	11.6	-	59	13.1	-	400	23.7	+	63	13.3	-	124	15.5	
30-34	43	16.7		14	7.8	-	53	11.9	-	269	17.0		62	13.5		133	17.3	
35-39	34	12.7		25	13.6		55	11.6		225	14.3		51	10.9	-	106	13.5	
40-44	32	10.6		26	12.2		59	10.8		198	11.4		81	15.2	+	115	12.9	
45-49	39	11.8		24	10.8		61	10.2	-	225	12.2		77	13.0		134	13.6	
50-54	63	17.9	+	29	12.6		83	13.7		213	11.5		96	15.9	+	108	10.1	-
55-59	46	13.9	+	21	9.8		64	11.6		159	9.7		63	11.3		117	11.7	
60-64	35	12.3		18	9.2		61	12.5	+	128	9.4		49	10.0		83	9.8	
65-69	23	10.4		21	13.3	+	32	8.5		79	7.8	-	37	10.1		63	10.0	
70-74	26	14.6	+	22	17.7	+	29	10.0		53	6.8	-	35	11.7		50	9.7	
75-79	23	15.8	+	12	13.5		28	11.9		45	6.9	-	31	14.1	+	45	10.4	
80-84	19	16.0	+	18	23.3	+	24	12.5		48	9.1	-	28	15.8		46	12.2	
85 +	13	10.6		11	12.9		15	7.5		43	7.6		20	10.8		39	9.8	

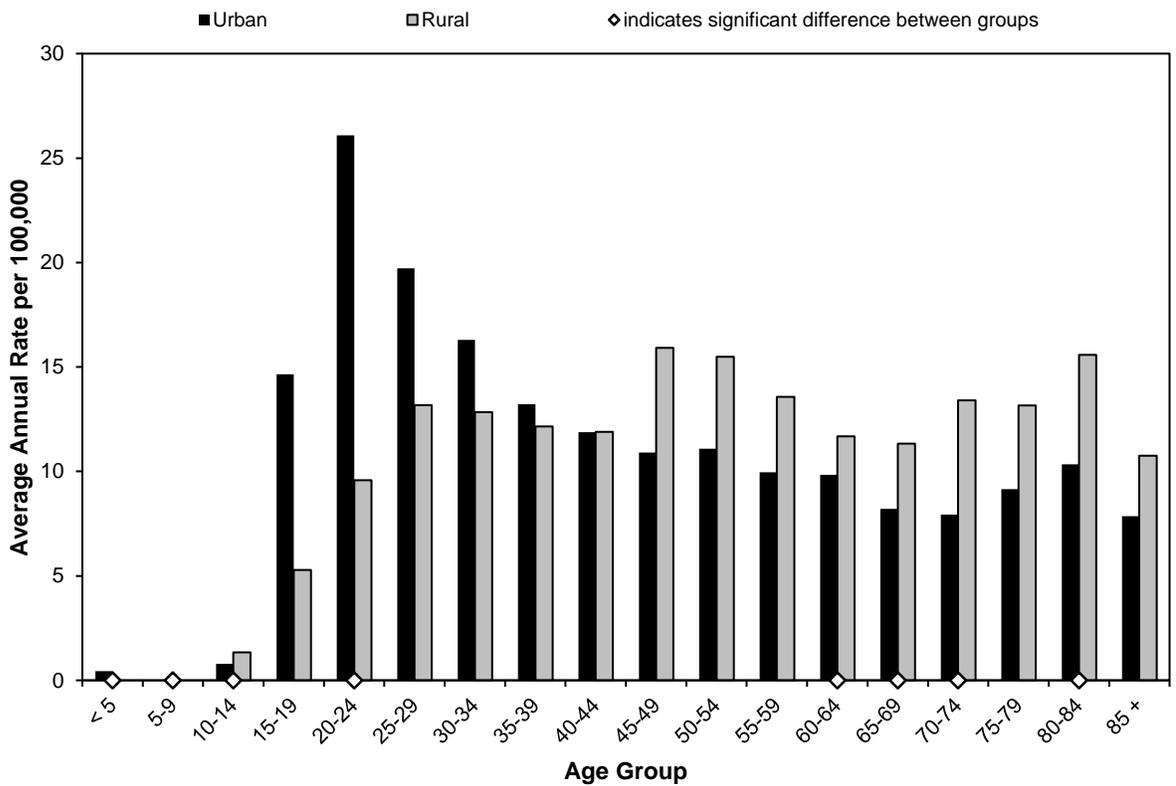
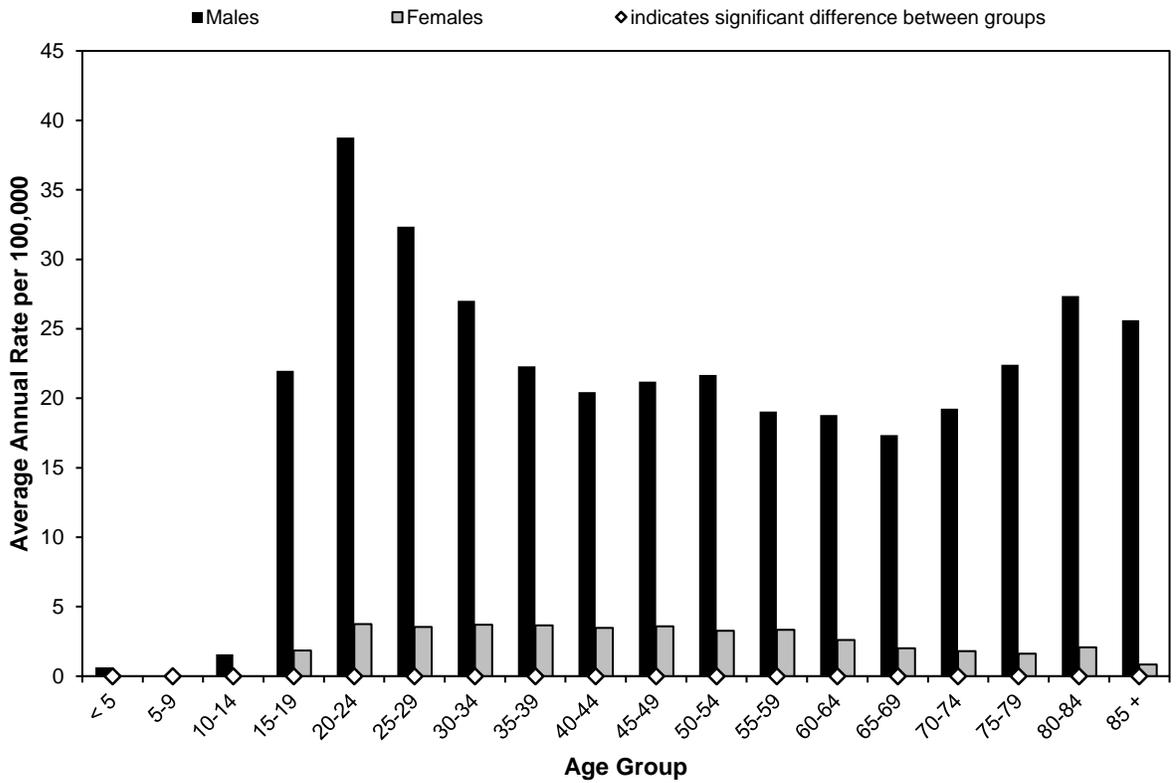
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

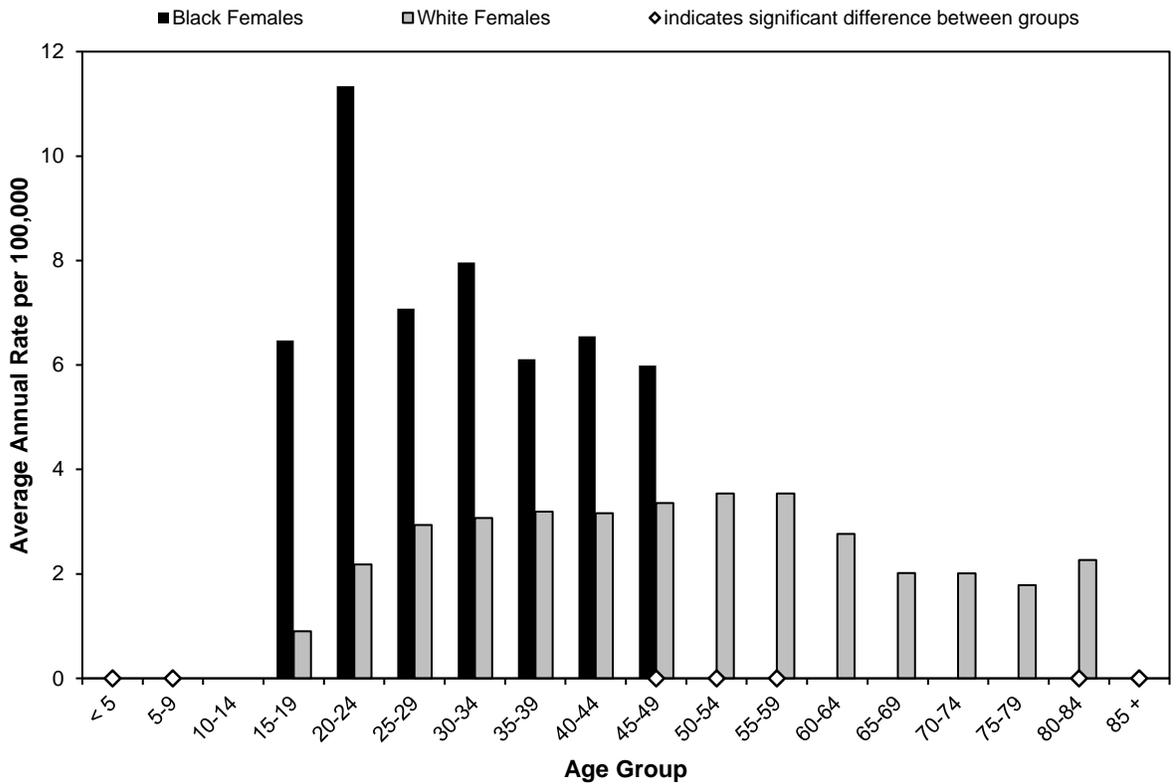
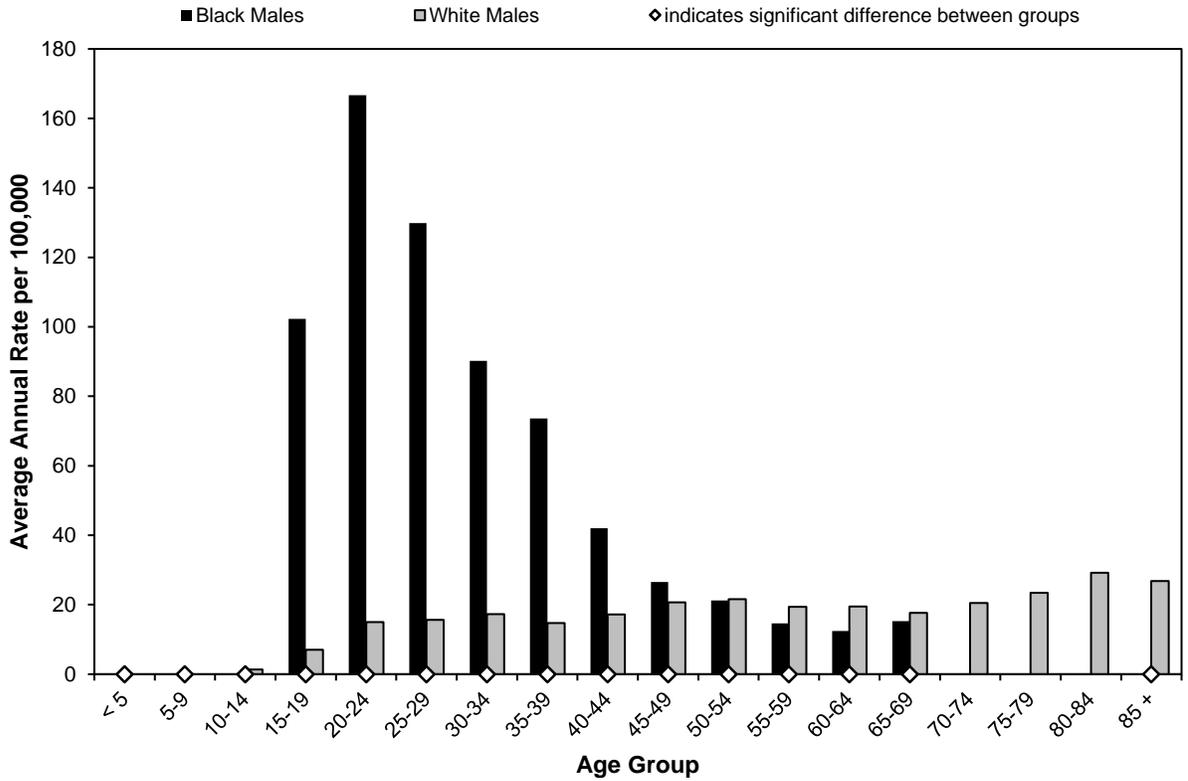
# INJURY DEATHS: FIREARM-RELATED

AVERAGE ANNUAL DEATH RATES BY SEX OR METROPOLITAN STATUS  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATHS: FIREARM-RELATED

## AVERAGE ANNUAL DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



## INJURY DEATHS: FIREARM-RELATED

### NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	752	9.1	8.4-9.7	-	<b>Southeast</b>	2,978	11.6	11.2-12.0	+
Carbon	46	12.4	8.8-16.0		Berks	218	10.4	9.0-11.8	
Lackawanna	89	8.1	6.4-9.7	-	Bucks	215	6.4	5.5-7.2	-
Lehigh	150	8.3	7.0-9.7	-	Chester	143	5.5	4.6-6.4	-
Luzerne	174	10.8	9.2-12.4		Delaware	267	9.5	8.4-10.7	
Monroe	83	9.8	7.7-11.9		Lancaster	151	5.7	4.8-6.6	-
Northampton	107	6.9	5.6-8.2	-	Montgomery	231	5.5	4.8-6.2	-
Pike	28	9.2	5.8-12.6		Philadelphia	1,654	20.1	19.1-21.1	+
Susquehanna	19	NSR			Schuylkill	99	13.1	10.5-15.7	
Wayne	43	14.2	10.0-18.5						
Wyoming	13	NSR							
<b>North Central</b>	294	8.1	7.2-9.0	-	<b>South Central</b>	811	9.4	8.8-10.1	-
Bradford	41	12.1	8.4-15.8		Adams	53	10.4	7.6-13.2	
Centre	48	6.7	4.8-8.6	-	Bedford	36	13.3	9.0-17.6	
Clinton	11	NSR			Blair	59	8.8	6.6-11.1	
Columbia	34	11.1	7.4-14.9		Cumberland	88	7.0	5.6-8.5	-
Lycoming	46	7.6	5.4-9.8	-	Dauphin	139	10.6	8.8-12.4	
Montour	8	NSR			Franklin	53	7.0	5.1-8.8	-
Northumberland	39	7.4	5.1-9.7	-	Fulton	15	NSR		
Potter	12	NSR			Huntingdon	30	12.1	7.8-16.4	
Snyder	17	NSR			Juniata	8	NSR		
Sullivan	2	NSR			Lebanon	57	8.5	6.3-10.7	
Tioga	27	11.9	7.4-16.4		Mifflin	21	9.1	5.2-13.0	
Union	9	NSR			Perry	27	12.2	7.6-16.7	
					York	225	10.2	8.8-11.5	
<b>Northwest</b>	493	10.1	9.2-11.0		<b>Southwest</b>	1,489	10.8	10.2-11.3	
Cameron	4	NSR			Allegheny	745	12.1	11.3-13.0	+
Clarion	28	14.5	9.1-19.8		Armstrong	41	11.0	7.6-14.3	
Clearfield	52	11.7	8.5-14.9		Beaver	110	12.9	10.4-15.3	
Crawford	47	10.3	7.3-13.2		Butler	81	7.9	6.2-9.7	-
Elk	33	17.8	11.7-23.9	+	Cambria	82	10.9	8.6-13.3	
Erie	120	8.2	6.8-9.7	-	Fayette	58	7.9	5.9-9.9	-
Forest	5	NSR			Greene	25	12.8	7.8-17.8	
Jefferson	37	13.8	9.4-18.3		Indiana	45	10.5	7.4-13.5	
Lawrence	49	10.7	7.7-13.6		Somerset	36	8.8	5.9-11.7	
McKean	17	NSR			Washington	107	9.7	7.9-11.5	
Mercer	55	8.8	6.5-11.2		Westmoreland	159	8.0	6.8-9.3	-
Venango	23	8.3	4.9-11.7						
Warren	23	11.7	6.9-16.5		<b>Pennsylvania</b>	<b>6,817</b>	<b>10.5</b>	<b>10.3-10.8</b>	

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

### TOTAL NUMBER OF INJURY DEATHS AND AVERAGE ANNUAL DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	6,017	800	<b>6,817</b>	1,921	12.1	1,975	16.4	1,588	12.5	877	6.9	456	4.6
<b>Northeast</b>	640	112	<b>752</b>	197	10.1	191	13.4	198	12.2	104	6.3	1,420	4.8
Carbon	35	11	46	10	14.0	8	NSR	24	35.8	3	NSR	1	NSR
Lackawanna	78	11	89	17	6.8	23	11.5	25	12.2	14	6.5	10	5.3
Lehigh	129	21	150	32	7.0	33	10.1	36	10.2	27	7.9	22	8.4
Luzerne	149	25	174	49	13.5	49	17.0	37	11.5	22	6.7	17	5.9
Monroe	71	12	83	26	11.4	15	10.3	23	12.7	11	6.2	8	NSR
Northampton	89	18	107	35	9.2	25	9.2	29	9.5	15	5.0	3	NSR
Pike	28	0	28	7	NSR	7	NSR	8	NSR	5	NSR	1	NSR
Susquehanna	14	5	19	5	NSR	5	NSR	6	NSR	3	NSR	0	NSR
Wayne	34	9	43	11	20.1	20	49.6	8	NSR	4	NSR	0	NSR
Wyoming	13	0	13	5	NSR	6	NSR	2	NSR	0	NSR	0	NSR
<b>Southeast</b>	2,691	287	<b>2,978</b>	1,018	15.2	881	17.3	628	12.2	306	6.3	145	4.1
Berks	191	27	218	63	11.3	44	11.7	60	14.3	28	7.1	23	7.7
Bucks	195	20	215	46	5.8	56	11.0	64	9.3	32	4.7	17	3.7
Chester	127	16	143	45	6.5	21	4.8	42	7.7	23	4.6	12	3.7
Delaware	240	27	267	120	16.1	67	12.4	48	8.6	23	4.2	9	NSR
Lancaster	136	15	151	23	3.2	29	5.9	44	8.8	39	8.0	16	4.1
Montgomery	200	31	231	49	4.9	46	6.5	72	8.4	42	5.2	22	3.6
Philadelphia	1,517	137	1,654	653	31.9	590	31.0	261	18.2	107	8.3	43	4.6
Schuylkill	85	14	99	19	11.8	28	21.7	37	23.4	12	7.8	3	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	6,017	800	<b>6,817</b>	1,921	12.1	1,975	16.4	1,588	12.5	877	6.9	456	4.6
<b>North Central</b>	253	41	<b>294</b>	97	11.4	89	11.8	68	10.5	33	4.9	7	1.3
Bradford	37	4	41	7	NSR	13	26.3	8	NSR	9	NSR	4	NSR
Centre	45	3	48	13	7.0	12	4.9	13	10.6	9	NSR	1	NSR
Clinton	10	1	11	5	NSR	4	NSR	2	NSR	0	NSR	0	NSR
Columbia	27	7	34	16	19.2	9	NSR	9	NSR	0	NSR	0	NSR
Lycoming	41	5	46	16	11.4	11	9.8	13	11.5	4	NSR	2	NSR
Montour	8	0	8	4	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Northumberland	32	7	39	11	10.4	13	16.5	9	NSR	6	NSR	0	NSR
Potter	9	3	12	7	NSR	4	NSR	1	NSR	0	NSR	0	NSR
Snyder	15	2	17	7	NSR	5	NSR	5	NSR	0	NSR	0	NSR
Sullivan	1	1	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	20	7	27	5	NSR	11	30.0	6	NSR	5	NSR	0	NSR
Union	8	1	9	4	NSR	3	NSR	2	NSR	0	NSR	0	NSR
<b>South Central</b>	697	114	<b>811</b>	217	10.3	213	14.1	210	12.3	111	6.5	60	4.6
Adams	47	6	53	16	12.3	18	20.2	12	11.4	5	NSR	2	NSR
Bedford	30	6	36	9	NSR	6	NSR	11	21.8	6	NSR	4	NSR
Blair	50	9	59	15	9.8	18	16.0	16	13.2	8	NSR	2	NSR
Cumberland	71	17	88	20	7.0	21	9.0	19	8.1	17	7.3	11	5.9
Dauphin	121	18	139	55	16.3	41	16.5	28	10.2	9	NSR	6	NSR
Franklin	46	7	53	15	7.7	13	10.0	15	10.2	9	NSR	1	NSR
Fulton	13	2	15	5	NSR	8	NSR	2	13.0	0	NSR	0	NSR
Huntingdon	24	6	30	6	NSR	6	NSR	11	23.1	5	NSR	2	NSR
Juniata	7	1	8	5	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Lebanon	52	5	57	16	9.6	15	12.5	19	14.7	6	NSR	1	NSR
Mifflin	20	1	21	7	NSR	8	NSR	6	NSR	0	NSR	0	NSR
Perry	22	5	27	9	NSR	8	NSR	6	NSR	4	NSR	0	NSR
York	194	31	225	39	7.0	48	12.5	65	13.9	42	9.5	31	10.0

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	6,017	800	<b>6,817</b>	1,921	12.1	1,975	16.4	1,588	12.5	877	6.9	456	4.6
<b>Northwest</b>	430	63	<b>493</b>	123	10.8	137	16.5	132	14.6	71	7.3	30	3.8
Cameron	3	1	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	24	4	28	8	NSR	14	34.5	5	NSR	1	NSR	0	NSR
Clearfield	44	8	52	13	14.6	21	29.1	9	NSR	9	NSR	0	NSR
Crawford	42	5	47	10	8.8	10	13.2	14	16.6	8	NSR	5	NSR
Elk	30	3	33	8	NSR	11	47.9	5	NSR	9	NSR	0	NSR
Erie	100	20	120	21	5.7	29	10.3	32	11.9	24	8.7	14	6.8
Forest	5	0	5	4	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Jefferson	33	4	37	9	NSR	14	37.3	10	22.8	4	NSR	0	NSR
Lawrence	45	4	49	16	14.6	9	NSR	14	16.2	5	NSR	5	NSR
McKean	16	1	17	7	NSR	5	NSR	5	NSR	0	NSR	0	NSR
Mercer	49	6	55	10	6.9	10	10.3	22	19.8	7	NSR	6	NSR
Venango	19	4	23	5	NSR	6	NSR	9	NSR	3	NSR	0	NSR
Warren	20	3	23	8	NSR	7	NSR	7	NSR	1	NSR	0	NSR
<b>Southwest</b>	1,306	183	<b>1,489</b>	269	8.6	464	18.8	352	13.2	252	8.6	152	6.5
Allegheny	667	78	745	114	8.1	280	23.2	156	13.2	121	9.4	74	7.2
Armstrong	34	7	41	7	NSR	17	32.3	11	15.9	6	NSR	0	NSR
Beaver	93	17	110	27	13.8	32	22.6	20	11.9	16	8.4	15	9.5
Butler	72	9	81	19	8.0	7	4.5	26	13.4	17	8.8	12	8.5
Cambria	69	13	82	22	13.6	21	16.9	20	14.5	14	8.9	5	NSR
Fayette	53	5	58	14	8.9	11	9.5	14	9.9	13	8.4	6	NSR
Greene	17	8	25	5	NSR	6	NSR	7	NSR	3	NSR	4	NSR
Indiana	38	7	45	13	11.6	17	17.8	8	NSR	5	NSR	2	NSR
Somerset	28	8	36	7	NSR	10	15.1	9	NSR	7	NSR	3	NSR
Washington	91	16	107	15	6.2	29	16.4	34	16.5	19	8.3	10	5.5
Westmoreland	144	15	159	26	6.4	34	11.8	47	12.8	31	7.5	21	6.1

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, 2008-2012

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	359	41.5	37.2-45.8	Allegheny	366	6.8	6.1-7.5	Berks	31	9.1	5.9-12.3
Chester	20	11.4	6.4-16.4	Chester	115	4.9	4.0-5.8	Lancaster	13	6.1	2.8-9.5
Dauphin	44	18.2	12.8-23.6	Dauphin	81	7.7	6.0-9.3	Lehigh	15	4.0	2.0-6.0
Delaware	140	22.9	19.1-26.7	Delaware	113	5.1	4.2-6.0	Philadelphia	156	15	12.9-17.7
Montgomery	31	8.4	5.5-11.4	Montgomery	190	5.3	4.5-6.0				
Philadelphia	1,179	32.8	30.9-34.	Philadelphia	282	7.8	6.9-8.7				
Pennsylvania	1,957	25.8	24.7-27.0	Pennsylvania	4,460	7.8	7.6-8.0	Pennsylvania	293	7.8	6.9-8.7

### NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	327.0	32	<b>359</b>	48.2%	94	35.5	190	108.4	59	39.5	13	9.3	3	NSR
	White	82.1%	321	45	<b>366</b>	49.1%	16	1.5	78	8.2	94	9.6	107	9.6	71	7.7
Chester	Black	6.3%	19	1	<b>20</b>	14.0%	3	NSR	12	33.7	2	NSR	3	NSR	0	NSR
	White	87.9%	100	15	<b>115</b>	80.4%	5	0.9	25	6.7	25	5.2	39	8.5	21	7.0
Dauphin	Black	18.3%	41	3	<b>44</b>	31.7%	11	13.4	20	40.7	10	20.7	2	NSR	1	NSR
	White	75.3%	70	11	<b>81</b>	58.3%	2	NSR	16	8.9	26	12.5	23	10.1	14	8.8
Delaware	Black	19.6%	130	10	<b>140</b>	52.4%	24	13.0	83	64.2	28	25.0	5	6.2	0	NSR
	White	73.7%	97	16	<b>113</b>	42.3%	4	NSR	29	7.9	21	5.2	40	9.0	19	5.5
Montgomery	Black	8.9%	26	5	<b>31</b>	13.4%	5	NSR	15	19.9	9	NSR	1	NSR	1	NSR
	White	82.7%	164	26	<b>190</b>	82.3%	6	NSR	35	6.3	50	7.2	59	8.5	40	7.3
Philadelphia	Black	44.8%	1,105	74	<b>1,179</b>	71.3%	191	18.1	700	92.7	213	32.6	59	10.2	16	4.4
	White	45.0%	241	41	<b>282</b>	17.0%	4	NSR	69	7.6	82	12.9	82	13.5	45	8.6
Pennsylvania	Black	11.0%	1,806	151	<b>1,957</b>	28.7%	362	16.3	1,120	70.5	352	25.5	95	8.5	28	4.2
	White	84.1%	3,848	612	<b>4,460</b>	65.4%	188	1.5	914	9.4	1,121	10.5	1,307	11.6	930	10.3

## INJURY DEATHS: ALL UNINTENTIONAL INJURIES

In 2012, among Pennsylvania residents, there were 6,156 deaths due to unintentional injury. On average, one resident died every 86 minutes.

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### Injury Definition

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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

- Overall, age-adjusted rates generally **increased** from 2008 to 2012.
- Most common demographic is **white females**, ages 85 and over.
- Of all Pennsylvania counties, **Sullivan** had the highest rate.

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### Trends Over Time

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- Age-adjusted unintentional injury death rates decreased by 6 percent from 41.8 deaths per 100,000 population in 2008 to 39.1 deaths in 2009. It thereafter increased by 11 percent to 43.3 deaths per 100,000 population in 2012.
- Males had higher age-adjusted death rates than females for all age groups during 2008 to 2012.
- Rural males and females had higher age-adjusted death rates than urban males and females during the 2008 to 2012 period.

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### Demographic Trends

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- Black males and females had higher death rates than white males and females for ages less than 15 and ages 40 to 74.
- White males and females had higher death rates than black males and females for ages 15 to 39 and ages 75 and older.
- Rural populations had higher death rates than urban populations for most age groups.

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### Regional Trends

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- The Southwest Health District had the highest age-adjusted death rate for unintentional injury while the North Central Health District had the lowest rate. Other districts had high rates for certain age groups.
- Twenty-three counties had age-adjusted unintentional injury death rates for 2008 to 2012 that were significantly higher than the comparable state rate. Most of the counties were rural.

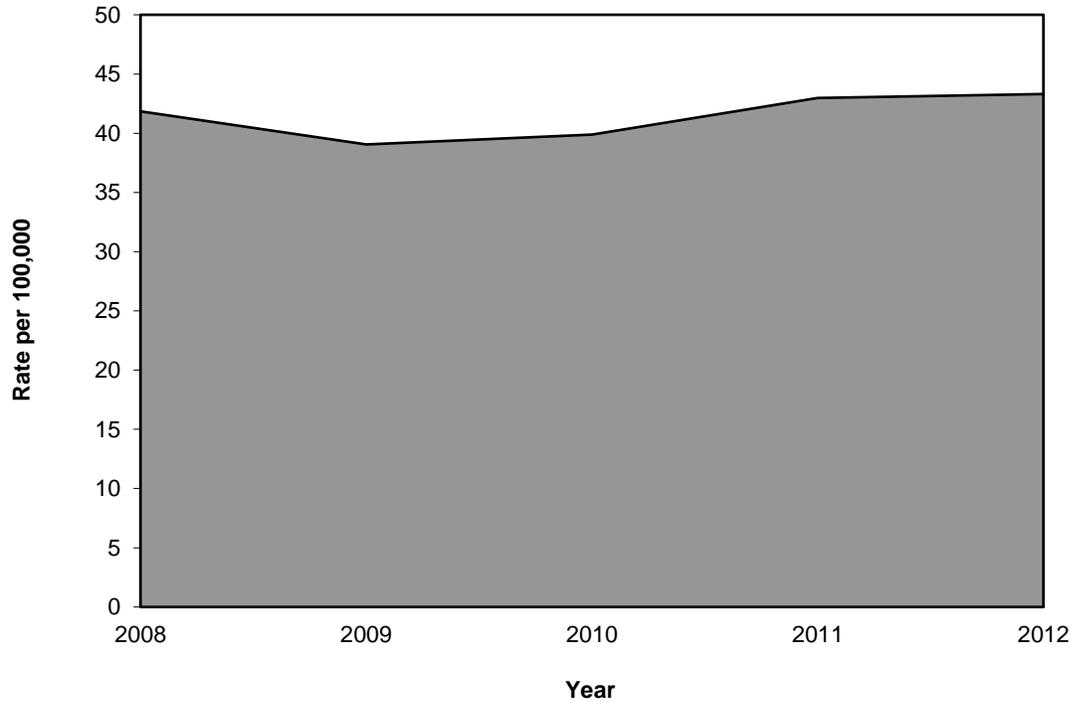
## INJURY DEATHS: ALL UNINTENTIONAL

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	5,669	41.8
2009	5,441	39.1
2010	5,607	39.9
2011	6,062	43.0
2012	6,156	43.3

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### AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	46.0	39.2	45.2	38.4	42.0	45.4
2009	41.6	36.7	38.4	37.0	38.4	43.6
2010	42.0	36.2	39.0	36.6	40.3	46.5
2011	46.1	34.8	43.1	41.1	40.9	49.0
2012	48.2	39.5	44.3	41.9	35.4	49.7

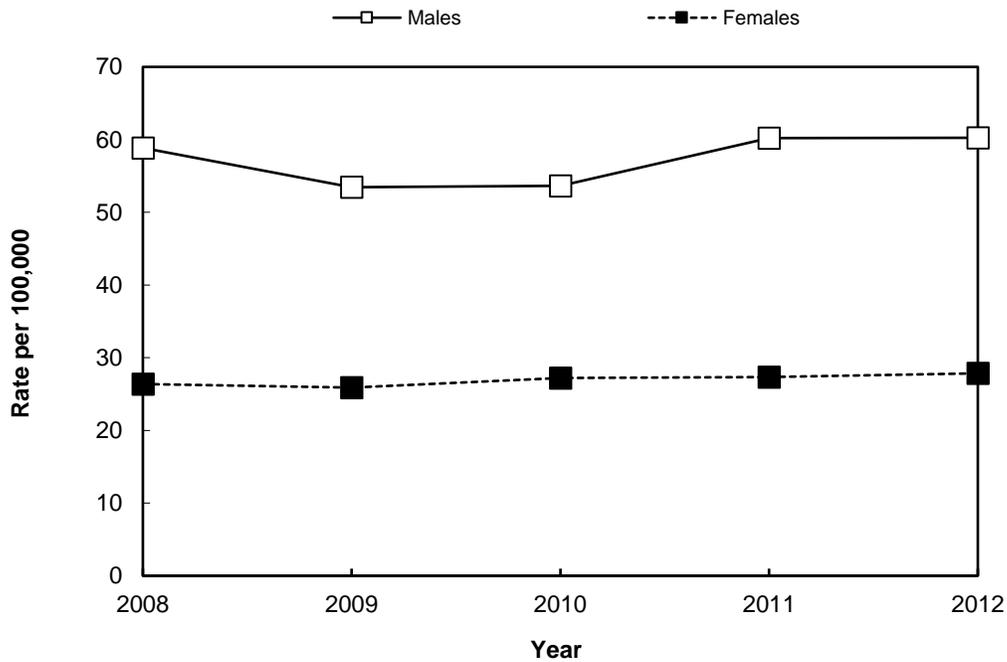
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-10 codes. See Technical Notes.

## INJURY DEATHS: ALL UNINTENTIONAL

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	3,842	60.2	2011	2,220	27.4
2012	3,886	60.3	2012	2,269	27.9



### AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

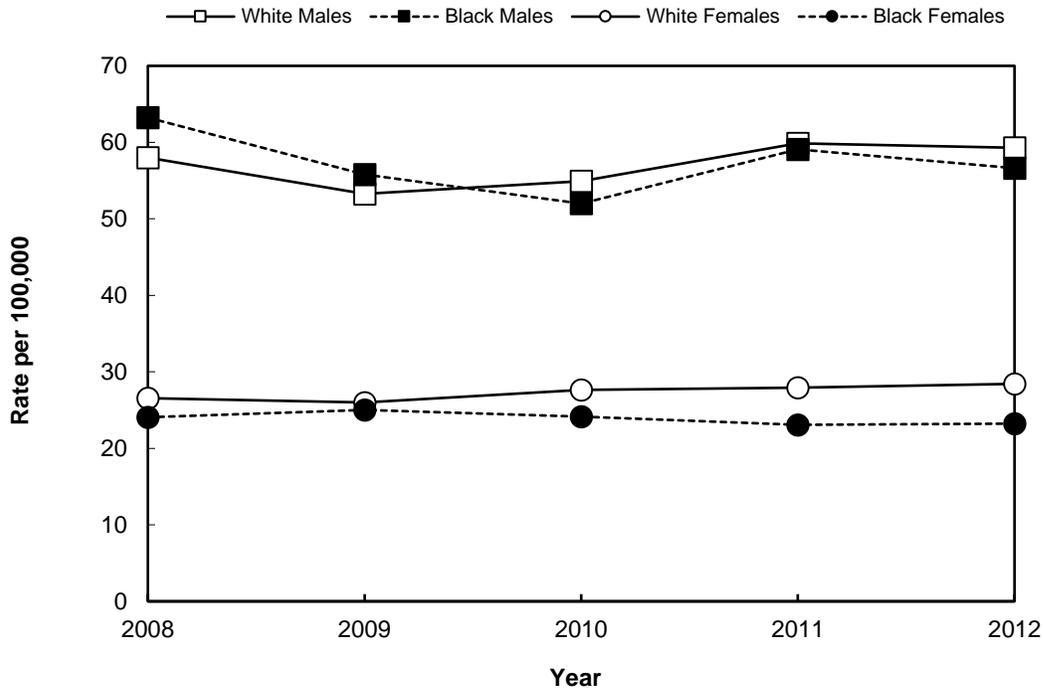
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	56.5	65.0	2008	25.3	29.2
2009	51.2	59.5	2009	24.3	30.4
2010	51.3	59.9	2010	25.2	33.0
2011	58.8	64.0	2011	26.2	30.8
2012	59.2	63.0	2012	26.7	31.0

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 INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	3,292	362	1,986	171	128	43
2012	3,293	357	2,022	175	152	41



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	59.9	59.1	27.9	23.1	41.3	16.0
2012	59.3	56.6	28.4	23.2	49.8	15.6

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 DEATHS: ALL UNINTENTIONAL

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>28,935</b>	<b>45.7</b>	<b>18,052</b>	<b>58.6</b>	<b>10,882</b>	<b>33.5</b>	<b>20,142</b>	<b>43.8</b>	<b>8,793</b>	<b>51.0</b>
< 5	242	6.6	149	8.0	93	5.2	165	6.0	77	8.5
5-9	129	3.4	79	4.1	50	2.7	86	3.1	43	4.4
10-14	159	4.0	111	5.5	48	2.5	90	3.1	69	6.6
15-19	1,133	25.1	776	33.8	357	16.0	688	21.1	445	35.6
20-24	1,909	43.0	1,452	64.6	457	20.9	1,283	40.0	626	50.8
25-29	1,956	50.4	1,467	74.5	489	25.6	1,365	46.3	591	63.3
30-34	1,632	43.6	1,197	63.7	434	23.3	1,133	40.6	499	52.5
35-39	1,512	39.7	1,080	56.9	432	22.6	1,023	36.6	489	48.3
40-44	1,898	44.4	1,283	60.5	615	28.5	1,353	43.3	545	47.3
45-49	2,302	49.9	1,548	68.1	754	32.2	1,672	49.8	630	50.1
50-54	2,231	47.1	1,534	66.0	697	28.9	1,592	46.5	639	48.7
55-59	1,748	40.4	1,215	57.6	533	24.0	1,282	41.3	466	37.9
60-64	1,260	34.1	908	51.2	352	18.3	870	33.3	390	36.1
65-69	1,038	37.1	654	50.2	384	25.7	675	34.6	363	42.8
70-74	1,104	50.3	674	68.7	430	35.4	717	47.0	387	57.6
75-79	1,519	84.1	882	116.3	637	60.8	1,039	82.0	480	89.0
80-84	2,212	149.0	1,117	194.7	1,095	120.2	1,532	145.3	680	158.1
85 +	4,951	318.0	1,926	391.7	3,025	284.0	3,577	319.4	1,374	314.5

\* 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: ALL UNINTENTIONAL

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>15,518</b>	<b>59.8</b>	<b>1,707</b>	<b>51.2</b>	<b>9,709</b>	<b>35.7</b>	<b>861</b>	<b>23.6</b>	<b>776</b>	<b>22.2</b>		
< 5	92	6.4	39	14.6	*	62	4.5	24	9.2	*	16	4.1
5-9	47	3.1	23	8.7	*	33	2.3	12	4.7	*	12	3.4
10-14	82	5.1	16	5.7		34	2.2	9	3.4		15	4.6
15-19	639	34.9	84	26.0	*	291	16.4	37	12.0	*	61	17.8
20-24	1,243	69.1	114	36.5	*	392	22.5	43	13.9	*	73	22.9
25-29	1,271	79.7	105	41.9	*	413	26.9	55	21.6	*	81	27.9
30-34	1,006	65.5	113	50.2	*	373	24.9	43	18.0	*	81	29.6
35-39	894	56.8	109	51.8		362	23.1	52	22.7		71	28.2
40-44	1,066	59.4	137	61.9		517	28.6	76	31.1		81	35.3
45-49	1,302	66.3	178	80.0	*	640	32.1	88	35.1		74	36.6
50-54	1,278	62.5	191	92.1	*	593	28.4	79	32.7	*	71	45.4
55-59	973	51.8	199	116.7	*	452	23.2	71	34.5	*	34	28.8
60-64	747	46.8	133	103.1	*	295	17.3	43	25.8	*	24	28.6
65-69	564	47.6	67	78.7	*	342	25.5	34	28.7		12	20.9
70-74	591	65.9	61	97.4	*	381	34.8	35	37.0		17	44.3
75-79	806	115.3	52	114.5		579	60.8	35	45.1	*	22	82.2
80-84	1,064	199.0	40	130.0	*	1,026	122.5	48	78.7	*	11	62.6
85 +	1,853	403.8	46	173.4	*	2,924	296.0	77	117.4	*	20	126.5

\* 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 INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>2,289</b>	<b>49.5</b>	<b>1,433</b>	<b>37.2</b>	<b>3,650</b>	<b>45.9</b>	<b>10,644</b>	<b>42.0</b>	<b>3,572</b>	<b>39.4</b>	<b>7,347</b>	<b>63.9</b>						
< 5	20	8.0	13	7.9	25	5.8	88	5.5	-	44	9.5	+	45	6.4				
5-9	19	7.1	+	5	2.7	14	3.0	49	3.0	14	2.7	-	27	3.7				
10-14	14	4.9		9	4.7	25	5.0	55	3.3	-	15	3.0		36	4.6			
15-19	103	30.5		79	27.7	154	27.1	393	21.4	-	164	29.7	+	225	24.7			
20-24	139	44.5		112	30.5	-	250	47.3	730	40.3	232	45.0		438	49.0	+		
25-29	155	59.8		100	49.3		263	58.5	+	752	44.5	-	220	44.4	-	465	58.3	+
30-34	135	52.4		65	34.5	-	205	45.9	609	38.4	-	204	41.7		413	53.6	+	
35-39	135	50.4	+	70	36.7	-	189	39.8	553	35.1	-	170	33.9	-	382	48.7	+	
40-44	128	42.2		80	37.8	-	279	51.1	+	769	44.3	210	36.2	-	430	48.1		
45-49	166	50.2		84	36.6	-	314	52.7	917	49.6	237	39.1	-	578	58.6	+		
50-54	195	55.5	+	84	33.9	-	266	43.8	877	47.5	245	39.3	-	578	54.2	+		
55-59	113	34.2		72	30.4	-	203	36.6	718	43.7	208	34.8	-	444	44.5			
60-64	108	38.0		67	32.8		136	27.8	-	468	34.3	165	32.3		314	36.9		
65-69	90	40.7		82	48.3	+	136	36.0		359	35.3	143	35.8		245	38.8		
70-74	101	56.6		73	56.1		137	47.2		357	45.5	180	58.2		253	49.2		
75-79	122	83.6		95	91.7		185	78.7		502	77.3	210	87.2		400	92.5		
80-84	178	149.6		98	121.5	-	269	139.7		707	133.4	-	280	150.6	662	175.5	+	
85 +	368	301.4		245	288.7		600	300.2		1,741	306.3	631	324.4		1,412	356.2	+	

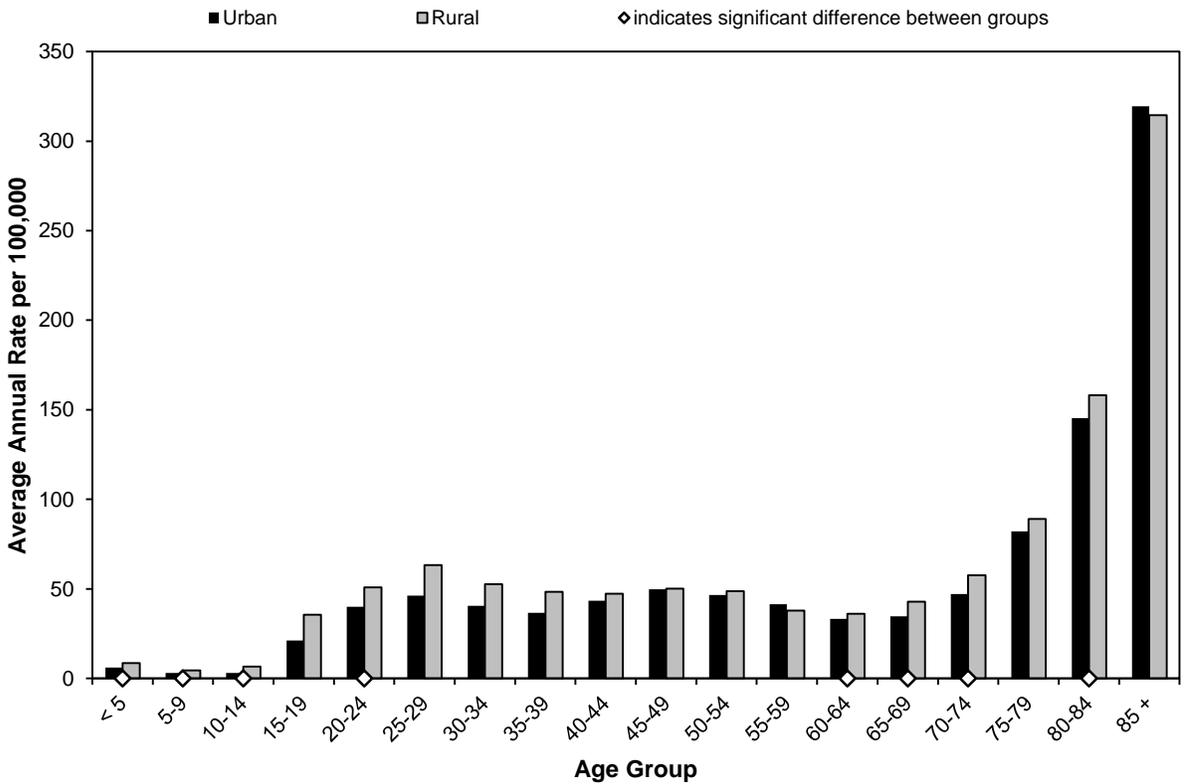
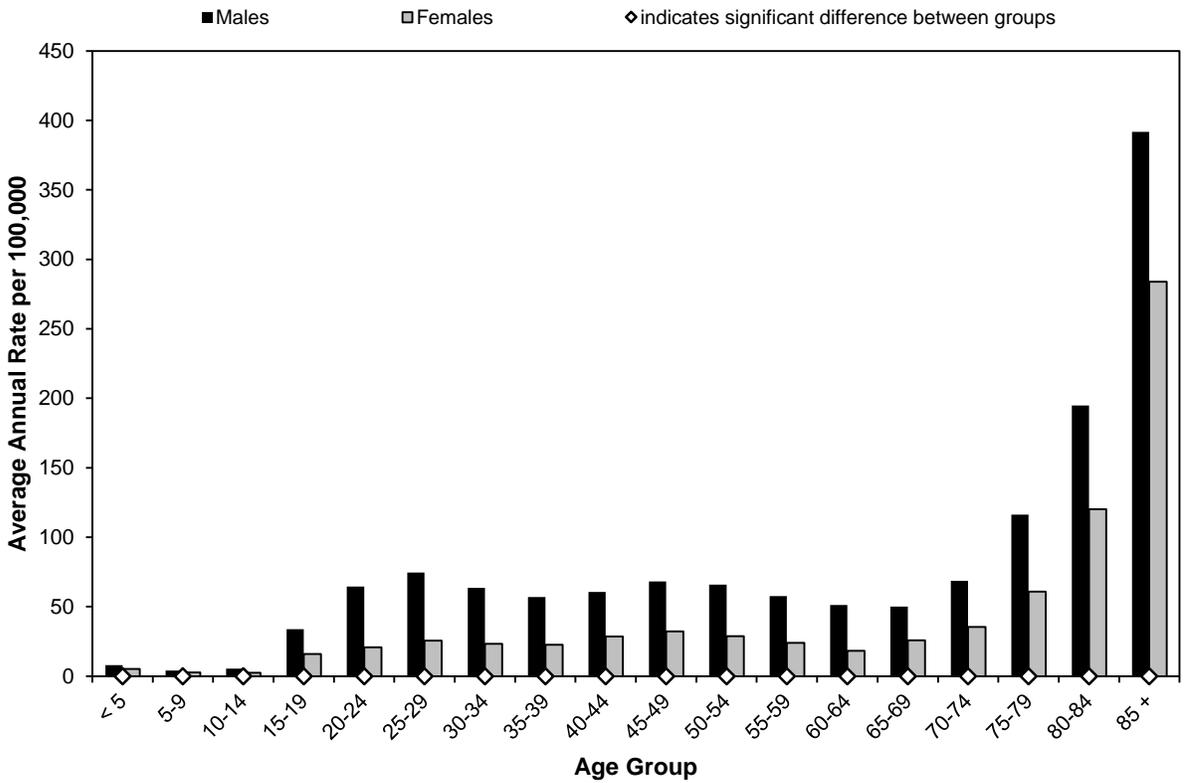
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

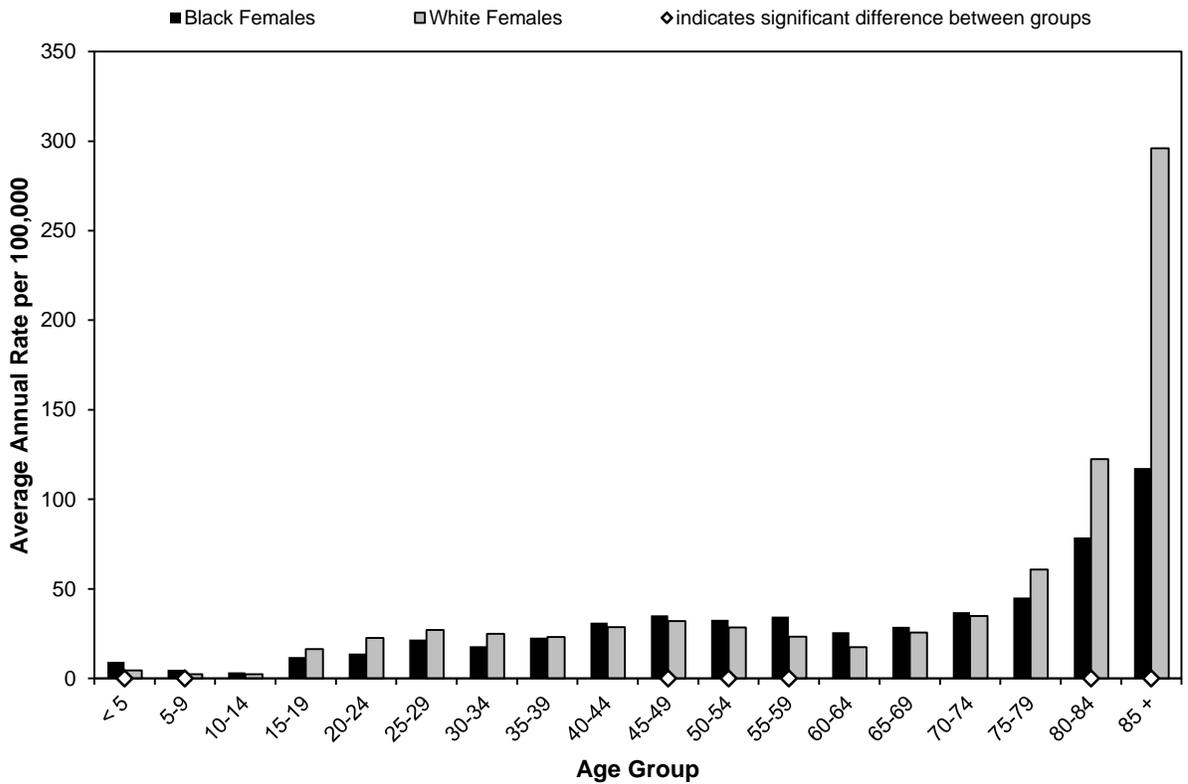
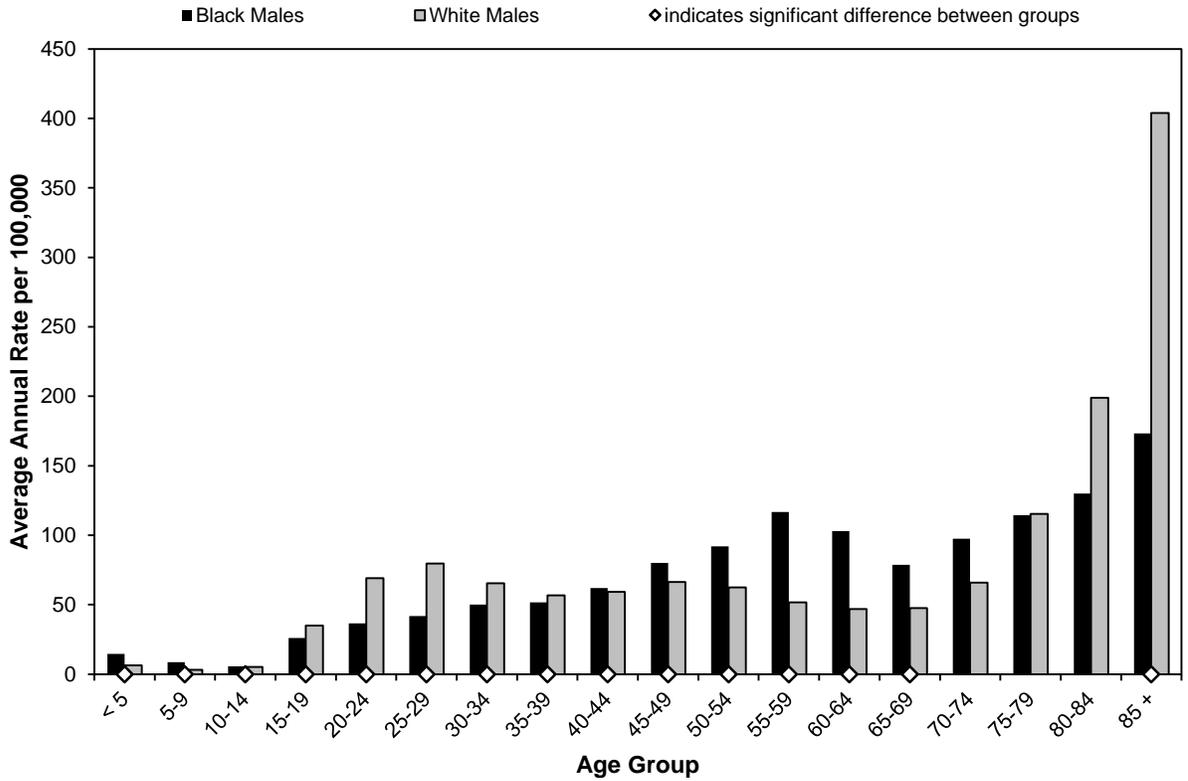
# INJURY DEATHS: ALL UNINTENTIONAL

## AVERAGE ANNUAL DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATHS: ALL UNINTENTIONAL

## AVERAGE ANNUAL DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



## INJURY DEATHS: ALL UNINTENTIONAL

### NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

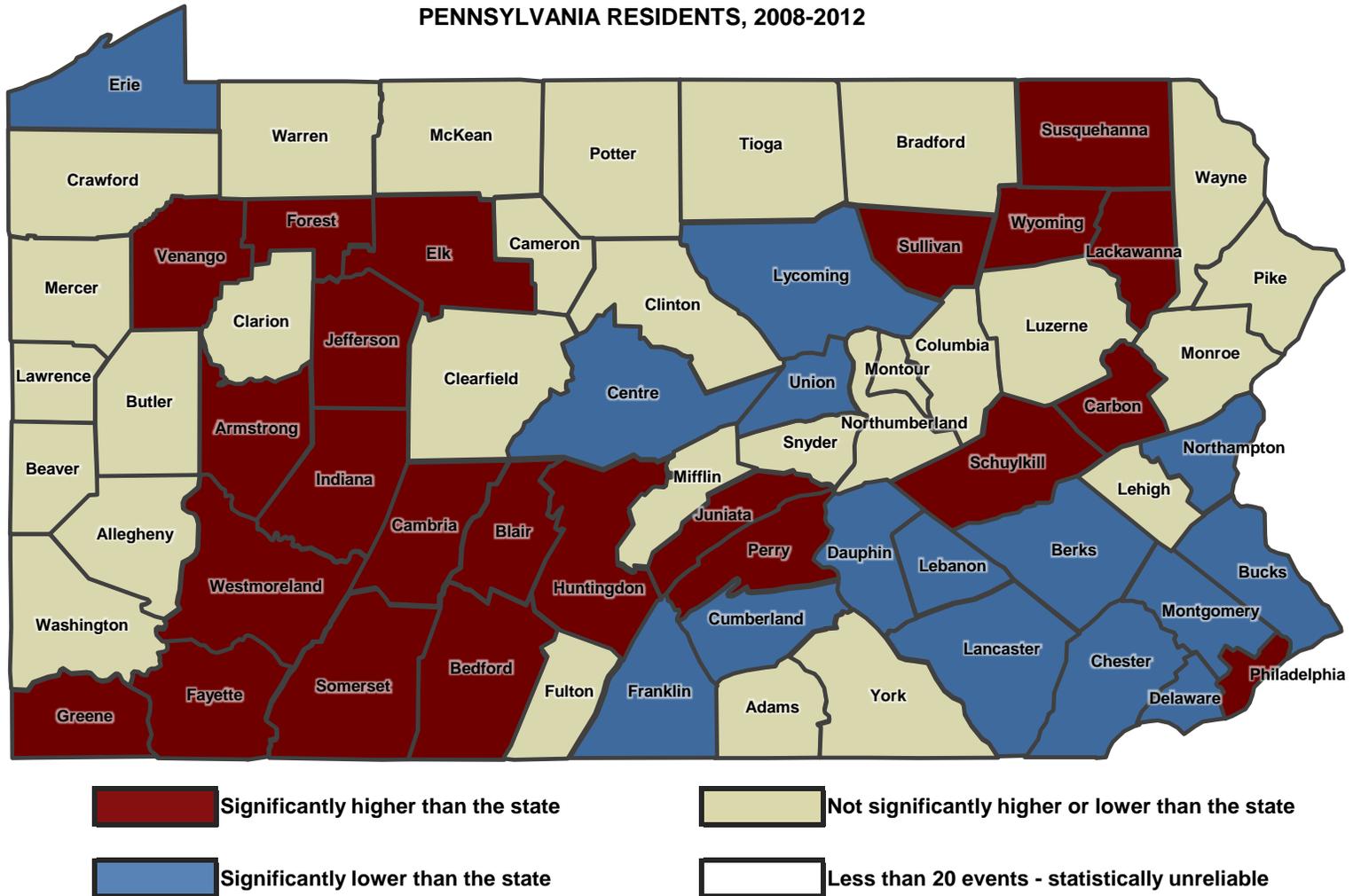
District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	3,650	41.9	40.6-43.3		<b>Southeast</b>	10,644	39.0	38.3-39.7	-
Carbon	182	51.1	43.7-58.5	+	Berks	748	32.9	30.6-35.3	-
Lackawanna	548	46.6	42.7-50.5	+	Bucks	1,232	37.5	35.4-39.6	-
Lehigh	753	38.7	35.9-41.5		Chester	789	30.7	28.5-32.8	-
Luzerne	771	44.0	40.9-47.1		Delaware	1,160	37.8	35.6-39.9	-
Monroe	361	43.5	39.0-48.0		Lancaster	1,065	38.0	35.7-40.2	-
Northampton	587	34.8	32.0-37.6	-	Montgomery	1,532	33.7	32.0-35.4	-
Pike	120	39.6	32.5-46.6		Philadelphia	3,667	47.8	46.3-49.4	+
Susquehanna	127	60.4	49.9-70.9	+	Schuylkill	451	54.4	49.4-59.4	+
Wayne	123	42.8	35.3-50.4						
Wyoming	78	56.3	43.8-68.8	+					
<b>North Central</b>	1,433	37.3	35.3-39.2	-	<b>South Central</b>	3,572	39.4	38.1-40.7	-
Bradford	156	47.6	40.1-55.1		Adams	215	40.3	34.9-45.7	
Centre	218	30.6	26.5-34.6	-	Bedford	155	60.4	50.9-70.0	+
Clinton	84	41.5	32.7-50.4		Blair	348	47.7	42.6-52.7	+
Columbia	143	40.1	33.5-46.6		Cumberland	383	29.0	26.1-31.9	-
Lycoming	227	34.0	29.6-38.5	-	Dauphin	504	36.1	33.0-39.3	-
Montour	38	35.6	24.3-46.9		Franklin	303	36.8	32.7-41.0	-
Northumberland	231	43.4	37.8-48.9		Fulton	42	52.9	36.9-68.9	
Potter	52	57.2	41.6-72.7		Huntingdon	132	53.5	44.4-62.7	+
Snyder	87	41.2	32.5-49.8		Juniata	77	58.8	45.7-71.9	+
Sullivan	29	81.7	51.9-111.4	+	Lebanon	258	33.2	29.2-37.3	-
Tioga	93	41.4	33.0-49.9		Mifflin	122	45.9	37.7-54.0	
Union	75	29.4	22.7-36.0	-	Perry	121	54.8	45.0-64.6	+
					York	912	39.6	37.0-42.1	
<b>Northwest</b>	2,289	44.7	42.9-46.5	+	<b>Southwest</b>	7,347	46.8	45.7-47.9	+
Cameron	24	70.8	42.5-99.1		Allegheny	3,116	42.7	41.2-44.2	
Clarion	103	48.2	38.9-57.5		Armstrong	190	50.0	42.9-57.1	+
Clearfield	220	47.5	41.2-53.7		Beaver	440	44.3	40.1-48.4	
Crawford	219	46.0	39.9-52.1		Butler	395	39.4	35.6-43.3	
Elk	95	54.6	43.6-65.5	+	Cambria	481	58.0	52.8-63.2	+
Erie	564	37.8	34.7-41.0	-	Fayette	440	59.4	53.9-65.0	+
Forest	28	78.3	49.3-107.3	+	Greene	142	67.1	56.0-78.1	+
Jefferson	127	54.4	44.9-63.8	+	Indiana	264	56.7	49.9-63.6	+
Lawrence	232	44.1	38.5-49.8		Somerset	244	52.9	46.2-59.5	+
McKean	101	42.3	34.0-50.5		Washington	522	44.9	41.1-48.8	
Mercer	291	43.9	38.8-48.9		Westmoreland	1,113	53.0	49.9-56.1	+
Venango	169	55.0	46.7-63.3	+					
Warren	116	50.7	41.5-59.9		<b>Pennsylvania</b>	<b>28,935</b>	<b>41.4</b>	<b>40.9-41.9</b>	

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

AGE-ADJUSTED DEATH RATES BY COUNTY,  
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE  
PENNSYLVANIA RESIDENTS, 2008-2012



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 INJURY DEATHS AND AVERAGE ANNUAL DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	18,052	10,882	<b>28,934</b>	2,302	14.5	5,402	44.8	5,865	46.2	5,045	39.5	10,321	104.9
<b>Northeast</b>	2,290	1,359	<b>3,649</b>	258	13.2	717	50.3	793	49.0	592	35.9	1,420	99.6
Carbon	112	70	182	32	44.7	36	65.0	40	59.7	25	35.0	49	85.3
Lackawanna	325	223	548	29	11.5	120	60.2	125	61.1	93	42.9	181	95.5
Lehigh	456	296	752	36	7.9	118	36.1	142	40.1	111	32.4	346	131.6
Luzerne	497	274	771	42	11.6	169	58.6	185	57.6	126	38.5	249	86.5
Monroe	242	119	361	30	13.2	73	50.1	93	51.2	65	36.6	100	92.6
Northampton	366	221	587	34	8.9	102	37.7	106	34.9	85	28.1	260	112.3
Pike	71	49	120	13	18.4	23	54.4	36	57.1	27	40.0	21	43.7
Susquehanna	93	34	127	12	24.4	36	109.7	24	58.4	16	31.9	39	104.0
Wayne	74	49	123	18	32.9	21	52.1	26	49.2	24	38.1	34	67.6
Wyoming	54	24	78	12	33.6	19	81.2	16	57.6	20	65.2	11	48.2
<b>Southeast</b>	6,764	3,880	<b>10,644</b>	585	8.7	2,091	41.1	2,239	43.4	2,063	42.5	3,666	103.2
Berks	492	256	748	45	8.0	121	32.3	122	29.0	130	32.9	330	110.5
Bucks	791	441	1,232	57	7.2	281	55.1	236	34.3	209	30.7	449	97.7
Chester	492	297	789	54	7.8	155	35.3	152	27.9	153	30.6	275	84.9
Delaware	743	417	1,160	40	5.4	242	44.9	219	39.2	226	41.1	433	108.1
Lancaster	665	400	1,065	96	13.4	198	40.6	178	35.7	151	31.1	442	113.3
Montgomery	873	659	1,532	57	5.7	274	38.8	247	28.9	213	26.5	741	122.6
Philadelphia	2,429	1,238	3,667	196	9.6	741	39.0	987	68.9	897	69.8	846	90.1
Schuylkill	279	172	451	40	24.8	79	61.2	98	61.9	84	54.5	150	111.3

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	18,052	10,882	<b>28,934</b>	2,302	14.5	5,402	44.8	5,865	46.2	5,045	39.5	10,321	104.9
<b>North Central</b>	911	522	<b>1,433</b>	243	28.6	252	33.5	253	39.2	248	36.9	437	78.8
Bradford	105	51	156	23	29.6	32	64.6	27	43.8	27	40.5	47	85.2
Centre	136	82	218	16	8.6	45	18.5	39	31.9	32	27.6	86	99.2
Clinton	58	26	84	15	30.0	19	48.9	16	46.7	14	37.8	20	63.0
Columbia	92	51	143	39	46.9	23	32.8	28	47.1	19	29.4	34	62.6
Lycoming	144	83	227	39	27.8	31	27.6	52	46.0	43	35.6	62	63.9
Montour	21	17	38	9	NSR	6	NSR	8	NSR	15	75.0	0	NSR
Northumberland	141	90	231	47	44.3	37	47.0	37	39.4	36	36.0	74	84.7
Potter	36	16	52	16	75.0	6	NSR	9	NSR	12	63.6	9	NSR
Snyder	51	36	87	11	21.2	17	44.1	10	26.7	11	29.0	38	127.1
Sullivan	18	11	29	8	NSR	6	NSR	4	NSR	11	147.9	0	NSR
Tioga	62	31	93	12	22.6	17	46.4	16	42.9	17	39.0	31	81.8
Union	47	28	75	8	NSR	13	25.7	7	NSR	11	27.7	36	109.2
<b>South Central</b>	2,185	1,387	<b>3,572</b>	432	20.5	625	41.4	674	39.4	525	30.8	1,316	101.1
Adams	141	74	215	47	36.2	38	42.6	44	41.9	25	24.0	61	76.8
Bedford	101	54	155	37	62.7	36	92.5	24	47.5	19	35.8	39	83.7
Blair	204	144	348	14	9.1	70	62.4	56	46.1	56	42.1	152	134.6
Cumberland	223	160	383	58	20.2	56	24.0	76	32.4	49	20.9	144	77.8
Dauphin	320	184	504	33	9.8	94	37.9	105	38.4	94	33.8	178	96.5
Franklin	180	123	303	46	23.7	40	30.8	63	43.0	32	22.2	122	97.6
Fulton	24	18	42	11	60.1	6	NSR	6	NSR	10	65.5	9	NSR
Huntingdon	84	48	132	19	36.4	28	63.3	18	37.7	16	34.1	51	135.6
Juniata	56	21	77	11	35.5	12	59.3	18	75.3	13	53.5	23	111.0
Lebanon	143	115	258	12	7.2	42	35.0	37	28.6	40	30.2	127	111.8
Mifflin	77	45	122	18	30.4	17	45.3	15	33.0	21	45.0	51	117.4
Perry	74	47	121	16	27.1	30	76.8	31	64.2	20	39.7	24	76.1
York	558	354	912	110	19.7	156	40.5	181	38.6	130	29.4	335	108.5

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	18,052	10,882	<b>28,934</b>	2,302	14.5	5,402	44.8	5,865	46.2	5,045	39.5	10,321	104.9
<b>Northwest</b>	1,433	856	<b>2,289</b>	266	23.3	435	52.5	452	50.1	392	40.6	744	94.6
Cameron	11	13	24	6	NSR	6	NSR	12	256.5	0	NSR	0	NSR
Clarion	73	30	103	25	50.1	15	37.0	20	56.1	16	40.6	27	80.4
Clearfield	150	70	220	44	49.5	40	55.5	36	40.4	30	34.6	70	96.3
Crawford	137	82	219	14	12.3	40	52.9	44	52.2	47	50.0	74	99.9
Elk	62	33	95	17	46.6	21	91.5	16	46.9	16	45.0	25	82.3
Erie	366	198	564	38	10.3	118	41.7	120	44.7	92	33.3	196	95.5
Forest	17	11	28	6	NSR	5	NSR	7	NSR	10	138.1	0	NSR
Jefferson	83	44	127	16	29.7	29	77.3	23	52.5	21	43.7	38	91.9
Lawrence	124	108	232	15	13.7	34	46.2	43	49.7	49	50.3	91	106.9
McKean	59	42	101	15	28.5	21	54.5	29	65.2	14	31.9	22	59.4
Mercer	175	116	291	20	13.8	53	54.3	47	42.4	53	43.8	118	110.4
Venango	99	70	169	22	33.6	31	72.0	38	72.8	21	33.5	57	115.8
Warren	77	39	116	28	59.1	22	69.7	17	42.0	23	48.4	26	66.9
<b>Southwest</b>	4,469	2,878	<b>7,347</b>	518	16.5	1,282	52.1	1,454	54.6	1,225	42.0	2,868	122.0
Allegheny	1,847	1,269	3,116	111	7.9	489	40.5	570	48.1	613	47.8	1,333	129.9
Armstrong	123	67	190	12	15.0	39	74.0	30	43.4	35	45.4	74	115.7
Beaver	285	155	440	22	11.3	80	56.5	75	44.5	85	44.5	178	112.1
Butler	250	145	395	51	21.6	73	46.9	80	41.1	53	27.3	138	97.9
Cambria	283	198	481	51	31.4	94	75.6	97	70.2	55	35.0	184	135.9
Fayette	273	167	440	24	15.2	97	83.4	113	80.0	57	36.7	149	119.8
Greene	94	48	142	31	70.6	21	56.2	38	94.1	26	61.5	26	86.7
Indiana	174	90	264	17	15.2	56	58.6	44	57.9	42	48.1	105	149.3
Somerset	152	92	244	29	35.3	48	72.3	39	48.7	28	33.1	100	136.7
Washington	306	216	522	55	22.6	101	57.0	119	57.7	72	31.5	175	95.7
Westmoreland	682	431	1,113	115	28.4	184	64.1	249	67.9	159	38.4	406	117.8

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, 2008-2012

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	364	45.8	41.1-50.5	Allegheny	2,702	43.0	41.4-44.6	Berks	69	28.3	21.6-35.0
Chester	57	38.9	28.8-49.1	Chester	708	30.6	28.3-32.8	Lancaster	47	23.6	16.9-30.4
Dauphin	84	36.7	28.8-44.5	Dauphin	393	34.8	31.4-38.2	Lehigh	74	41.2	31.8-50.5
Delaware	125	25.4	21.0-29.9	Delaware	1,009	42.6	40.0-45.2	Philadelphia	302	40	35.3-44.3
Montgomery	103	29.6	23.9-35.3	Montgomery	1,383	35.1	33.2-36.9				
Philadelphia	1,433	43.3	41.1-45.6	Philadelphia	1,832	49.1	46.9-51.4				
Pennsylvania	2,568	38.8	37.3-40.3	Pennsylvania	25,228	41.6	41.1-42.1	Pennsylvania	776	28.1	26.2-30.1

### NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	227.0	137	<b>364</b>	11.7%	32	12.1	56	31.9	80	53.5	119	84.8	77	85.2
	White	82.1%	1,586	1,116	<b>2,702</b>	86.7%	76	7.3	417	43.8	484	49.3	481	43.1	1,244	135.1
Chester	Black	6.3%	41	16	<b>57</b>	7.2%	6	NSR	19	53.4	12	40.4	10	38.9	10	63.1
	White	87.9%	437	271	<b>708</b>	89.7%	44	7.5	124	33.2	135	28.2	141	30.7	264	87.8
Dauphin	Black	18.3%	51	33	<b>84</b>	16.7%	18	22.0	18	36.6	20	41.3	15	36.8	13	61.2
	White	75.3%	248	145	<b>393</b>	78.0%	13	5.9	72	40.1	75	36.1	73	32.1	160	100.5
Delaware	Black	19.6%	77	48	<b>125</b>	10.8%	11	6.0	22	17.0	24	21.4	44	54.8	24	57.4
	White	73.7%	645	364	<b>1,009</b>	87.0%	28	5.7	213	57.8	188	46.5	176	39.7	404	116.6
Montgomery	Black	8.9%	64	39	<b>103</b>	6.7%	13	12.7	22	29.2	29	36.3	18	29.5	21	59.5
	White	82.7%	777	606	<b>1,383</b>	90.3%	41	5.2	240	43.1	209	30.0	189	27.2	704	128.9
Philadelphia	Black	44.8%	953	480	<b>1,433</b>	39.1%	109	10.3	235	31.1	374	57.2	419	72.7	296	80.6
	White	45.0%	1,179	653	<b>1,832</b>	50.0%	46	6.2	397	43.4	497	78.3	394	64.9	498	95.1
Pennsylvania	Black	11.0%	1,707	861	<b>2,568</b>	8.9%	244	11.0	473	29.8	640	46.4	716	63.9	495	74.2
	White	84.1%	15,518	9,709	<b>25,227</b>	87.2%	1,280	10.2	4,699	48.4	4,781	44.7	4,338	38.5	10,130	112.7

## INJURY DEATHS: SUICIDES

In 2012, among Pennsylvania residents, there were 1,613 deaths due to self-inflicted injury (suicides). On average, one resident died every five hours.

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### Injury Definition

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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 where a suicide plan was made but never followed through.

### HIGHLIGHTS

- Age-adjusted rates generally **fluctuated** from 2008 to 2012.
- Most common demographic is **white males**, ages 40 to 59.
- Of all Pennsylvania counties, **Carbon** and **Wayne** had the highest rates.

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### Trends Over Time

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- Age-adjusted death rates for suicide fluctuated during the 2008 to 2012 period. The rates increased by about 2 percent from 11.9 deaths per 100,000 population in 2008 to 12.1 deaths in 2009. It fell by 3 percent to 11.7 deaths in 2010 and then rose again by 9 percent to 12.8 deaths in 2011. It finally fell by over 5 percent to 12.1 deaths in 2012.
- Males had significantly higher age-adjusted suicide rates than females for all age groups from 2008 to 2012.
- White males had significantly higher age-adjusted suicide rates than black males from 2008 to 2012. Rates for black females could not be calculated because of low counts.

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### Demographic Trends

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- White males ages 15 to 59 accounted for over half of all suicides in 2008 to 2012.
- Males had significantly higher suicide rates than females for all age groups.
- Among males, whites had significantly higher suicide rates for all ages, especially ages 20 to 59.
- Urban and rural populations had very similar suicide rates for all age groups.

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### Regional Trends

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- The Northeast and Northwest Health Districts had the highest age-adjusted suicide death rates while the Southeast Health District had the lowest rate.
- Seven counties had age-adjusted suicide rates in 2008 to 2012 that were significantly higher than the comparable state rate. Most of the counties were rural.

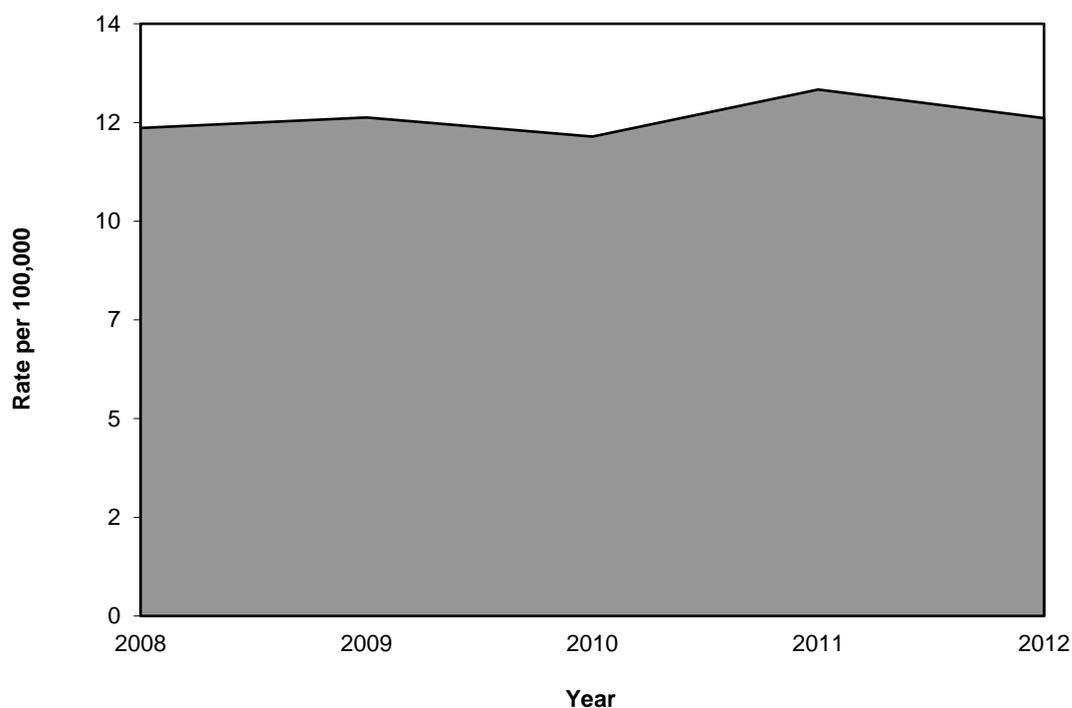
## INJURY DEATHS: SUICIDES

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	1,522	11.9
2009	1,601	12.1
2010	1,547	11.7
2011	1,707	12.8
2012	1,613	12.1

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### AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	13.2	10.9	13.1	11.3	12.3	11.8
2009	12.4	13.2	12.5	11.2	13.7	12.4
2010	13.4	12.2	12.2	11.3	12.7	10.8
2011	15.5	14.2	15.0	12.0	11.7	12.7
2012	12.8	12.3	15.5	11.0	12.4	11.8

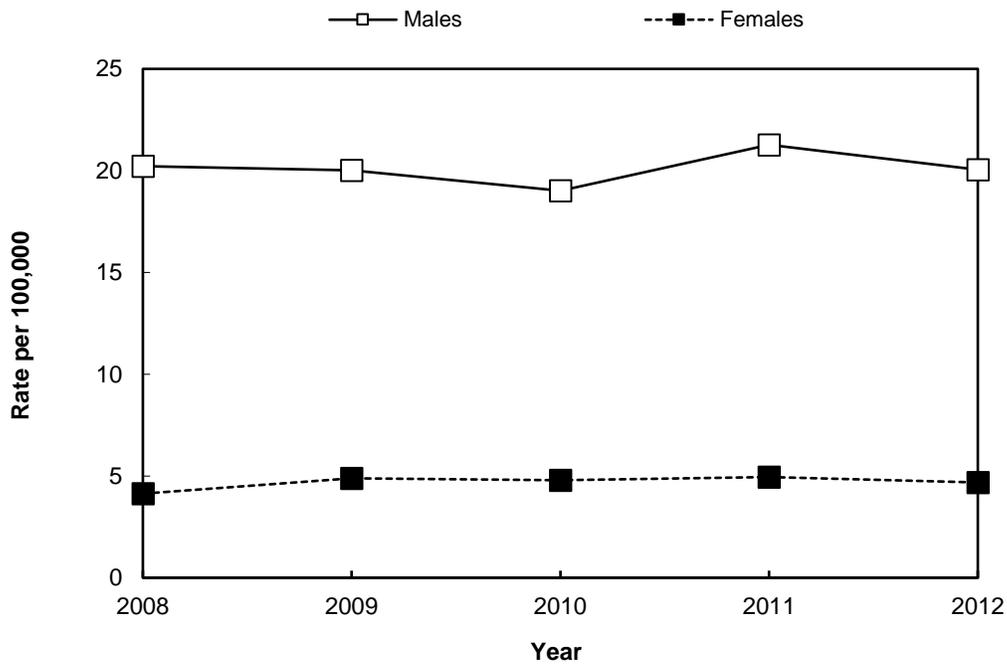
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-10 codes. See Technical Notes.

## INJURY DEATHS: SUICIDES

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	1,374	21.3	2011	333	5.0
2012	1,294	20.0	2012	319	4.7



### AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

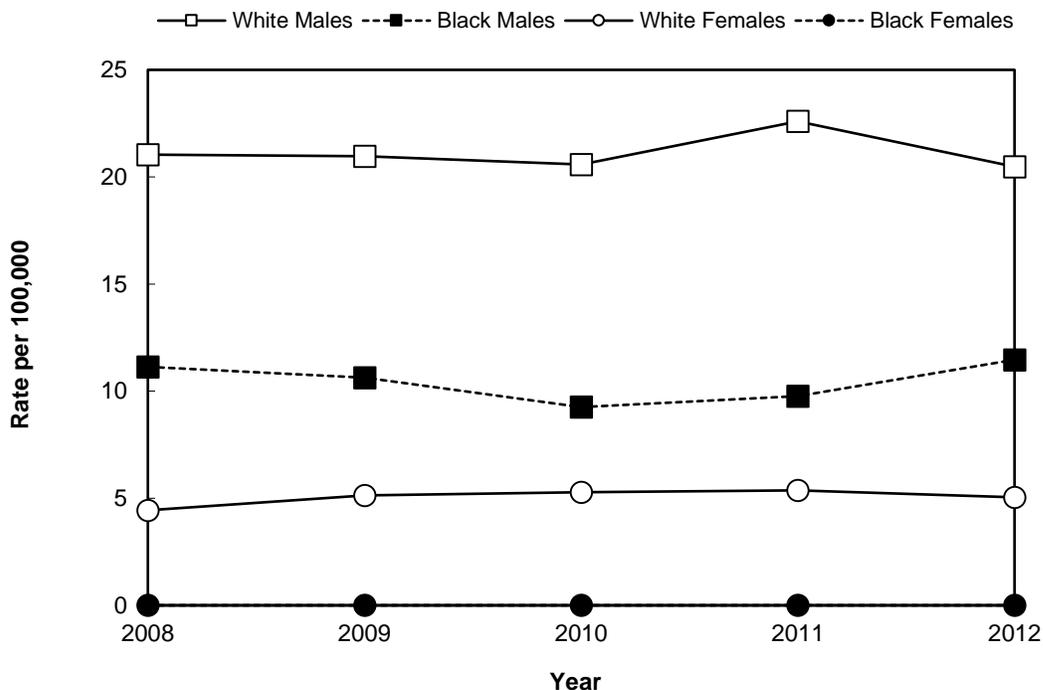
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	19.6	21.7	2008	4.0	4.5
2009	19.2	22.4	2009	4.5	6.0
2010	18.2	21.2	2010	4.9	4.4
2011	20.2	24.2	2011	4.6	5.9
2012	19.2	22.0	2012	4.4	5.5

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 DEATHS: SUICIDES

## TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2008	1,137	67	253	12	36	5
2009	1,163	69	300	16	26	3
2010	1,114	61	294	15	27	3
2011	1,255	63	306	16	32	5
2012	1,137	81	289	13	42	9



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	22.6	9.8	5.4	NSR	9.6	NSR
2012	20.5	11.5	5.0	NSR	10.0	NSR

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 DEATHS: SUICIDES

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>7,990</b>	<b>12.6</b>	<b>6,414</b>	<b>20.8</b>	<b>1,576</b>	<b>4.9</b>	<b>5,539</b>	<b>12.0</b>	<b>2,451</b>	<b>14.2</b>
< 5	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
5-9	1	NSR	1	NSR	0	NSR	1	NSR	0	NSR
10-14	59	1.5	41	2.0	18	0.9	35	1.2	24	2.3
15-19	315	7.0	244	10.6	71	3.2	210	6.4	105	8.4
20-24	601	13.5	516	22.9	85	3.9	438	13.7	163	13.2
25-29	579	14.9	475	24.1	104	5.4	405	13.7	174	18.6
30-34	541	14.5	443	23.6	98	5.3	367	13.1	174	18.3
35-39	585	15.4	464	24.5	121	6.3	396	14.2	189	18.7
40-44	782	18.3	617	29.1	165	7.7	546	17.5	236	20.5
45-49	941	20.4	740	32.5	201	8.6	661	19.7	280	22.3
50-54	990	20.9	764	32.9	226	9.4	706	20.6	284	21.7
55-59	769	17.8	598	28.3	171	7.7	546	17.6	223	18.1
60-64	558	15.1	446	25.2	112	5.8	388	14.8	170	15.8
65-69	340	12.2	275	21.1	65	4.4	218	11.2	122	14.4
70-74	272	12.4	228	23.2	44	3.6	167	11.0	105	15.6
75-79	247	13.7	206	27.2	41	3.9	166	13.1	81	15.0
80-84	221	14.9	195	34.0	26	2.9	153	14.5	68	15.8
85 +	189	12.1	161	32.7	28	2.6	136	12.1	53	12.1

\* 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: SUICIDES

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
<b>TOTAL</b>	<b>5,806</b>	<b>22.4</b>	<b>341</b>	<b>10.2</b>	<b>1,442</b>	<b>5.3</b>	<b>72</b>	<b>2.0</b>	<b>188</b>	<b>5.4</b>	
< 5	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	
5-9	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	
10-14	30	1.9	8	NSR	9	NSR	7	NSR	4	NSR	
15-19	200	10.9	30	9.3	56	3.1	8	NSR	13	3.8	
20-24	422	23.5	56	17.9	*	70	4.0	7	NSR	32	10.0
25-29	404	25.3	36	14.4	*	88	5.7	8	NSR	24	8.3
30-34	381	24.8	33	14.7	*	83	5.5	10	4.2	19	6.9
35-39	395	25.1	37	17.6	*	111	7.1	4	NSR	20	7.9
40-44	556	31.0	26	11.7	*	153	8.5	7	NSR	23	10.0
45-49	690	35.1	31	13.9	*	191	9.6	5	NSR	15	7.4
50-54	713	34.9	28	13.5	*	217	10.4	4	NSR	13	8.3
55-59	568	30.2	17	10.0	*	169	8.7	2	NSR	9	NSR
60-64	420	26.3	12	9.3	*	106	6.2	5	NSR	7	NSR
65-69	260	21.9	13	15.3	*	59	4.4	3	NSR	2	NSR
70-74	219	24.4	5	8.0		43	3.9	1	NSR	3	NSR
75-79	200	28.6	4	8.8		36	3.8	0	NSR	1	NSR
80-84	191	35.7	2	6.5		24	2.9	0	NSR	2	NSR
85 +	157	34.2	3	11.3		27	2.7	1	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 INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>643</b>	<b>13.9</b>	<b>442</b>	<b>12.2</b>	<b>1,129</b>	<b>14.2</b>	<b>2,988</b>	<b>11.8</b>	<b>1,093</b>	<b>12.5</b>	<b>1,695</b>	<b>63.9</b>						
< 5	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR						
5-9	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR						
10-14	4	NSR	4	NSR	11	2.2	+	24	1.4	3	NSR	10	1.3					
15-19	27	8.0	17	6.7	45	7.9		107	5.8	41	7.8	67	7.4					
20-24	50	16.0	+	29	8.4	-	93	17.6	+	243	13.4	77	15.8	112	12.5			
25-29	52	20.1	+	33	16.9		85	18.9	+	234	13.9	58	12.4	-	114	14.3		
30-34	48	18.6	+	25	13.1		78	17.5	+	188	11.9	-	79	16.5	+	125	16.2	
35-39	54	20.2	+	35	18.9	+	87	18.3	+	205	13.0	-	77	16.1		129	16.4	
40-44	54	17.8		51	24.8	+	104	19.0		289	16.6		114	20.6		176	19.7	
45-49	57	17.2	-	47	20.5		117	19.6		391	21.2		124	21.0		195	19.8	
50-54	78	22.2		45	18.9		142	23.4		406	22.0		148	24.0		182	17.1	-
55-59	59	17.8		36	16.1		106	19.1		292	17.8		109	18.8		167	16.7	
60-64	47	16.5		25	13.0		88	18.0	+	204	14.9		73	14.4		114	13.4	
65-69	30	13.6		26	16.3	+	40	10.6		110	10.8		50	12.8		84	13.3	
70-74	25	14.0		26	21.5	+	39	13.4		81	10.3	-	49	16.9	+	57	11.1	
75-79	22	15.1		17	17.4		40	17.0	+	71	10.9	-	37	16.9	+	60	13.9	
80-84	22	18.5		15	20.9		30	15.6		75	14.2		31	19.0		51	13.5	
85 +	14	11.5		11	14.1		24	12.0		67	11.8		23	13.9		52	13.1	

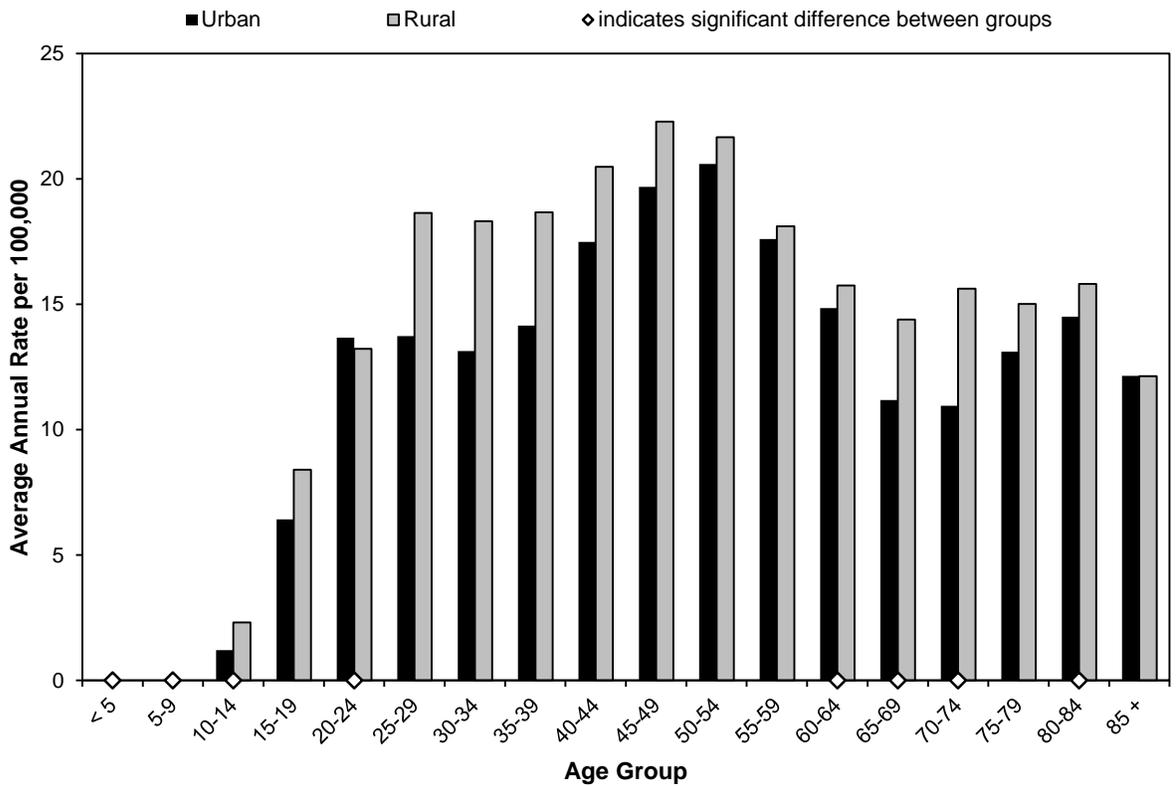
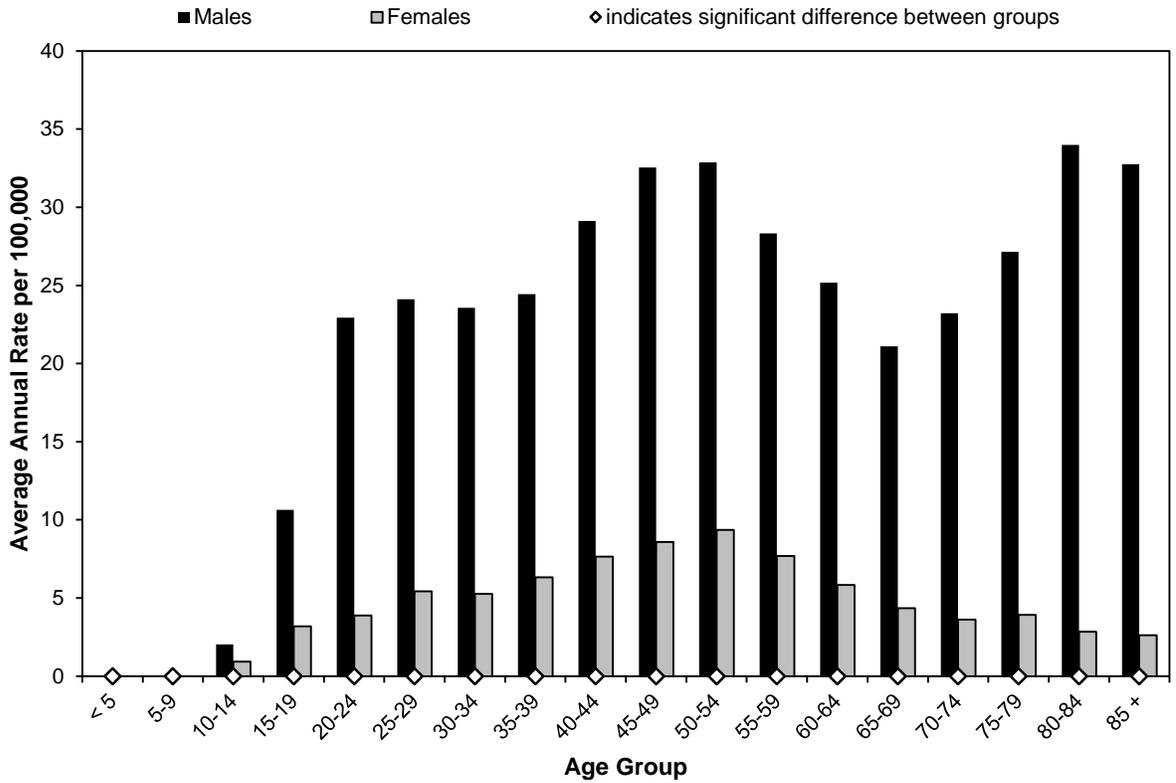
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

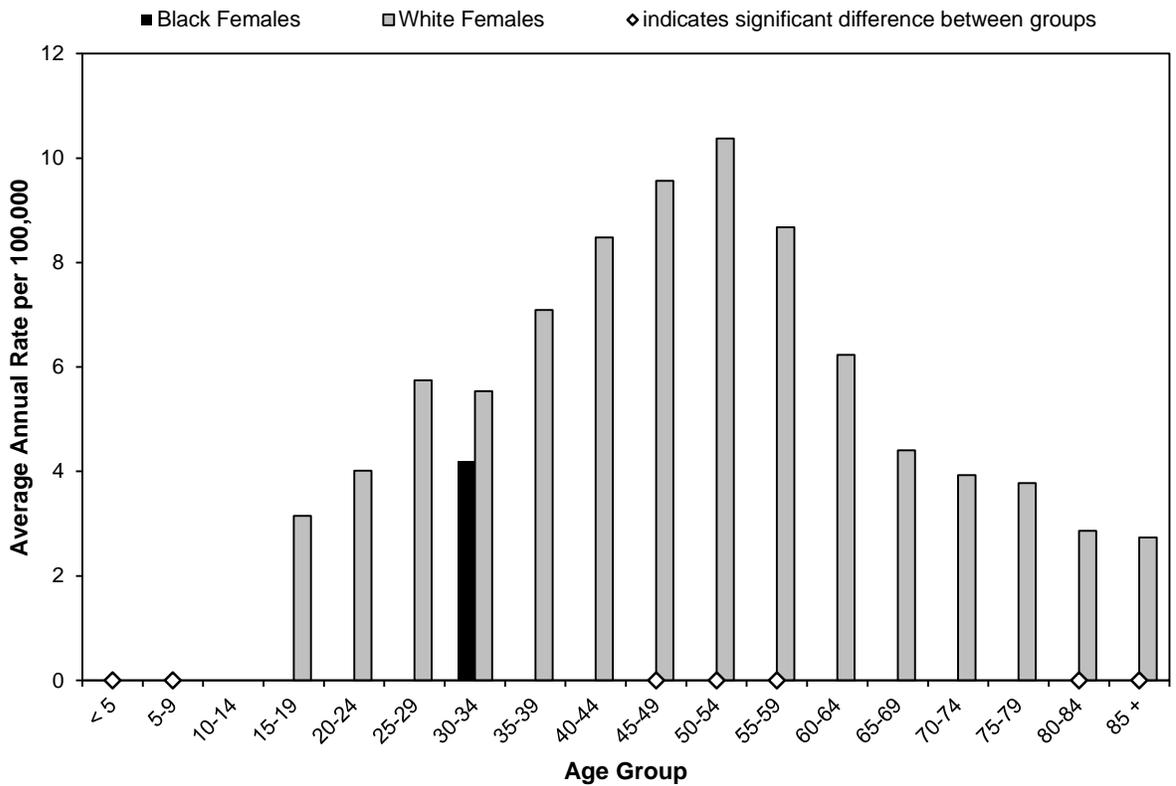
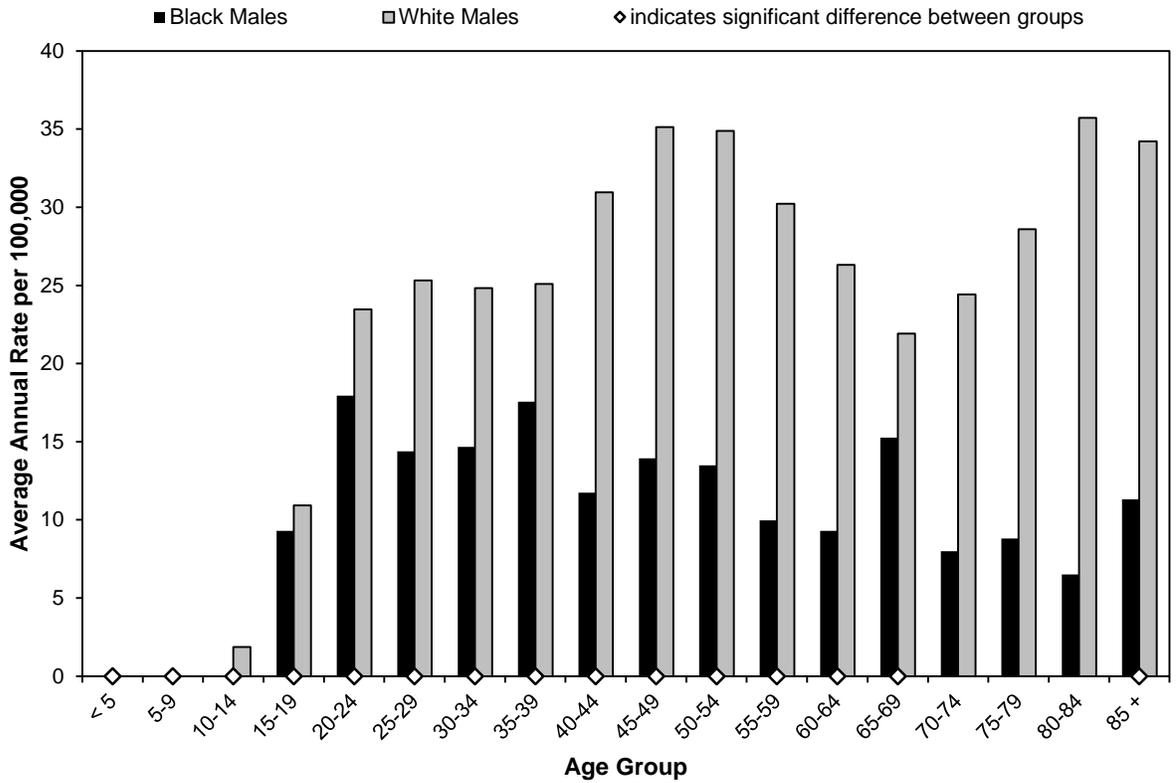
# INJURY DEATHS: SUICIDES

AVERAGE ANNUAL DEATH RATES BY SEX OR METROPOLITAN STATUS  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATHS: SUICIDES

## AVERAGE ANNUAL DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



## INJURY DEATHS: SUICIDES

### NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	1,129	13.6	12.8-14.4	+	<b>Southeast</b>	2,988	11.3	10.9-11.8	-
Carbon	77	22.6	17.5-27.6	+	Berks	280	13.0	11.4-14.5	
Lackawanna	156	14.3	12.1-16.5		Bucks	415	12.6	11.4-13.8	
Lehigh	234	12.9	11.2-14.5		Chester	256	9.9	8.6-11.1	-
Luzerne	244	15.1	13.2-16.9	+	Delaware	359	12.3	11.1-13.6	
Monroe	112	13.1	10.7-15.5		Lancaster	246	9.2	8.1-10.4	-
Northampton	159	10.1	8.5-11.7	-	Montgomery	505	11.9	10.9-13.0	
Pike	41	13.8	9.6-18.1		Philadelphia	795	10.5	9.8-11.2	-
Susquehanna	30	13.5	8.6-18.3		Schuylkill	132	17.9	14.8-20.9	+
Wayne	59	20.4	15.2-25.7	+					
Wyoming	17	NSR							
<b>North Central</b>	442	12.6	11.4-13.7		<b>South Central</b>	1,093	12.5	11.8-13.3	
Bradford	60	18.6	13.9-23.4	+	Adams	80	15.5	12.1-18.9	
Centre	75	10.9	8.4-13.4		Bedford	40	15.5	10.7-20.3	
Clinton	15	NSR		-	Blair	74	11.4	8.8-14.0	
Columbia	47	15.2	10.9-19.6		Cumberland	156	12.5	10.5-14.4	
Lycoming	72	12.3	9.4-15.1		Dauphin	145	10.5	8.8-12.2	
Montour	16	NSR			Franklin	94	12.4	9.9-14.9	
Northumberland	68	14.1	10.7-17.4		Fulton	19	NSR		
Potter	14	NSR			Huntingdon	37	15.1	10.2-19.9	
Snyder	17	NSR			Juniata	10	NSR		
Sullivan	3	NSR			Lebanon	80	11.9	9.3-14.5	
Tioga	35	15.8	10.6-21.0		Mifflin	34	15.2	10.1-20.4	
Union	20	8.2	4.6-11.8	-	Perry	33	14.3	9.4-19.2	
					York	291	12.9	11.4-14.4	
<b>Northwest</b>	643	13.4	12.4-14.4	+	<b>Southwest</b>	1,695	11.9	11.4-12.5	
Cameron	4	NSR			Allegheny	679	10.6	9.8-11.4	-
Clarion	30	15.9	10.2-21.6		Armstrong	55	15.5	11.4-19.6	
Clearfield	68	15.3	11.6-18.9		Beaver	131	14.9	12.4-17.5	+
Crawford	65	14.5	11.0-18.0		Butler	116	11.8	9.6-13.9	
Elk	34	18.8	12.5-25.1	+	Cambria	111	14.4	11.7-17.1	
Erie	181	12.6	10.7-14.4		Fayette	86	11.9	9.4-14.4	
Forest	7	NSR			Greene	29	14.1	9.0-19.3	
Jefferson	38	15.2	10.3-20.0		Indiana	65	15.7	11.9-19.5	
Lawrence	61	13.0	9.7-16.3		Somerset	46	11.4	8.1-14.6	
McKean	27	12.2	7.6-16.8		Washington	150	14.0	11.8-16.3	
Mercer	74	12.2	9.4-15.0		Westmoreland	227	11.5	10.0-13.0	
Venango	30	11.7	7.5-15.8						
Warren	24	13.1	7.9-18.4		<b>Pennsylvania</b>	<b>7,990</b>	<b>12.1</b>	<b>11.8-12.4</b>	

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 INJURY DEATHS AND AVERAGE ANNUAL DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	6,414	1,576	<b>7,990</b>	1,706	10.7	2,057	17.1	2,551	20.1	1,112	8.7	564	5.7
<b>Northeast</b>	883	246	<b>1,129</b>	239	12.2	278	19.5	358	22.1	165	10.0	1,420	6.9
Carbon	59	18	77	15	20.9	17	30.7	33	49.3	10	14.0	2	NSR
Lackawanna	122	34	156	36	14.3	37	18.6	51	24.9	19	8.8	13	6.9
Lehigh	165	69	234	40	8.8	50	15.3	86	24.3	38	11.1	20	7.6
Luzerne	199	45	244	61	16.8	70	24.3	67	20.9	27	8.2	19	6.6
Monroe	89	23	112	25	11.0	25	17.1	29	16.0	23	13.0	10	9.3
Northampton	126	33	159	30	7.9	37	13.7	47	15.5	26	8.6	19	8.2
Pike	38	3	41	10	14.2	13	30.8	11	17.5	6	NSR	1	NSR
Susquehanna	22	8	30	6	NSR	7	NSR	10	24.3	6	NSR	1	NSR
Wayne	47	12	59	11	20.1	16	39.7	19	36.0	9	NSR	4	NSR
Wyoming	16	1	17	5	NSR	6	NSR	5	NSR	1	NSR	0	NSR
<b>Southeast</b>	2,366	622	<b>2,988</b>	549	8.2	707	13.9	1,078	20.9	426	8.8	228	6.4
Berks	227	53	280	55	9.8	48	12.8	101	24.0	43	10.9	33	11.1
Bucks	331	84	415	77	9.8	90	17.6	156	22.6	63	9.3	29	6.3
Chester	211	45	256	65	9.4	48	10.9	89	16.3	34	6.8	20	6.2
Delaware	270	89	359	94	12.6	104	19.3	124	22.2	23	4.2	14	3.5
Lancaster	193	53	246	51	7.1	49	10.0	90	18.1	40	8.2	16	4.1
Montgomery	389	116	505	80	8.0	118	16.7	195	22.8	71	8.8	41	6.8
Philadelphia	630	165	795	98	4.8	209	11.0	278	19.4	139	10.8	71	7.6
Schuylkill	115	17	132	29	18.0	41	31.8	45	28.4	13	8.4	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	6,414	1,576	<b>7,990</b>	1,706	10.7	2,057	17.1	2,551	20.1	1,112	8.7	564	5.7
<b>North Central</b>	356	86	<b>442</b>	109	12.8	148	19.7	117	18.1	56	8.3	12	2.2
Bradford	52	8	60	11	14.2	16	32.3	16	25.9	12	18.0	5	NSR
Centre	63	12	75	17	9.1	21	8.6	21	17.2	14	12.1	2	NSR
Clinton	13	2	15	6	NSR	6	NSR	3	NSR	0	NSR	0	NSR
Columbia	35	12	47	11	13.2	22	31.3	8	NSR	6	NSR	0	NSR
Lycoming	54	18	72	20	14.2	25	22.3	19	16.8	6	NSR	2	NSR
Montour	14	2	16	5	NSR	3	NSR	7	NSR	1	NSR	0	NSR
Northumberland	56	12	68	11	10.4	16	20.3	24	25.6	14	14.0	3	NSR
Potter	11	3	14	6	NSR	3	NSR	5	NSR	0	NSR	0	NSR
Snyder	15	2	17	5	NSR	7	NSR	3	NSR	2	NSR	0	NSR
Sullivan	1	2	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	24	11	35	5	NSR	21	57.3	8	NSR	1	NSR	0	NSR
Union	18	2	20	9	NSR	8	NSR	3	NSR	0	NSR	0	NSR
<b>South Central</b>	879	214	<b>1,093</b>	241	11.4	278	18.4	343	20.1	158	9.3	73	5.6
Adams	68	12	80	20	15.4	29	32.5	21	20.0	6	NSR	4	NSR
Bedford	30	10	40	10	16.9	9	NSR	12	23.8	5	NSR	4	NSR
Blair	57	17	74	21	13.7	22	19.6	20	16.5	9	NSR	2	NSR
Cumberland	119	37	156	35	12.2	36	15.4	48	20.5	25	10.7	12	6.5
Dauphin	116	29	145	27	8.0	34	13.7	50	18.3	23	8.3	11	6.0
Franklin	65	29	94	18	9.3	19	14.6	32	21.8	19	13.2	6	NSR
Fulton	14	5	19	10	54.6	7	NSR	2	NSR	0	NSR	0	NSR
Huntingdon	32	5	37	6	NSR	10	22.6	12	25.1	7	NSR	2	NSR
Juniata	8	2	10	8	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Lebanon	70	10	80	18	10.8	24	20.0	26	20.1	7	NSR	5	NSR
Mifflin	29	5	34	8	NSR	12	32.0	11	24.2	3	NSR	0	NSR
Perry	24	9	33	10	16.9	9	NSR	7	NSR	7	NSR	0	NSR
York	247	44	291	50	9.0	65	16.9	102	21.7	47	10.6	27	8.7

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	6,414	1,576	<b>7,990</b>	1,706	10.7	2,057	17.1	2,551	20.1	1,112	8.7	564	5.7
<b>Northwest</b>	541	102	<b>643</b>	182	15.9	174	21.0	171	19.0	84	8.7	32	4.1
Cameron	3	1	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	27	3	30	10	20.0	15	37.0	5	NSR	0	NSR	0	NSR
Clearfield	54	14	68	14	15.7	21	29.1	20	22.4	11	12.7	2	NSR
Crawford	58	7	65	19	16.7	17	22.5	15	17.8	10	10.6	4	NSR
Elk	30	4	34	9	NSR	7	NSR	8	NSR	9	NSR	1	NSR
Erie	145	36	181	38	10.3	45	15.9	51	19.0	32	11.6	15	7.3
Forest	7	0	7	6	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Jefferson	35	3	38	12	22.3	10	26.7	10	22.8	4	NSR	2	NSR
Lawrence	53	8	61	11	10.1	17	23.1	20	23.1	7	NSR	6	NSR
McKean	22	5	27	14	26.6	7	NSR	5	NSR	1	NSR	0	NSR
Mercer	62	12	74	19	13.1	22	22.6	24	21.6	7	NSR	2	NSR
Venango	25	5	30	12	18.3	7	NSR	8	NSR	3	NSR	0	NSR
Warren	20	4	24	14	29.6	5	NSR	5	NSR	0	NSR	0	NSR
<b>Southwest</b>	1,389	306	<b>1,695</b>	386	12.3	472	19.2	484	18.2	223	7.7	130	5.5
Allegheny	549	130	679	177	12.5	207	17.1	198	16.7	60	4.7	37	3.6
Armstrong	43	12	55	13	16.3	19	36.1	13	18.8	5	NSR	5	NSR
Beaver	114	17	131	37	18.9	34	24.0	31	18.4	18	9.4	11	6.9
Butler	91	25	116	28	11.9	18	11.6	35	18.0	21	10.8	14	9.9
Cambria	93	18	111	20	12.3	23	18.5	40	28.9	22	14.0	6	NSR
Fayette	74	12	86	24	15.2	26	22.3	15	10.6	13	8.4	8	NSR
Greene	23	6	29	7	NSR	9	NSR	8	NSR	5	NSR	0	NSR
Indiana	49	16	65	16	14.3	18	18.8	20	26.3	6	NSR	5	NSR
Somerset	39	7	46	11	13.4	16	24.1	8	NSR	8	NSR	3	NSR
Washington	119	31	150	19	7.8	49	27.7	45	21.8	24	10.5	13	7.1
Westmoreland	195	32	227	34	8.4	53	18.5	71	19.4	41	9.9	28	8.1

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, 2008-2012

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	41	5.0	3.5-6.6	Allegheny	622	11.5	10.6-12.4	Berks	16	6.1	3.1-9.1
Chester	7	NSR		Chester	237	10.3	9.0-11.6	Lancaster	15	7.0	3.5-10.6
Dauphin	11	4.7	1.9-7.4	Dauphin	126	11.7	9.7-13.8	Lehigh	19	7.0	3.8-10.1
Delaware	33	6.2	4.1-8.3	Delaware	312	14.3	12.7-15.9	Philadelphia	65	8	5.9-9.7
Montgomery	19	5.3	2.9-7.6	Montgomery	465	13.1	11.9-14.3				
Philadelphia	200	6.0	5.1-6.8	Philadelphia	499	14.2	13.0-15.5				
Pennsylvania	413	5.9	5.3-6.5	Pennsylvania	7,248	12.8	12.5-13.1	Pennsylvania	188	6.0	5.1-6.8

### NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	32.0	9	41	6.0%	9	NSR	18	10.3	11	7.4	1	NSR	2	NSR
	White	82.1%	506	116	622	91.6%	16	1.5	123	12.9	193	19.6	195	17.5	95	10.3
Chester	Black	6.3%	6	1	7	2.7%	0	NSR	3	NSR	2	NSR	2	NSR	0	NSR
	White	87.9%	195	42	237	92.6%	11	1.9	56	15.0	58	12.1	80	17.4	32	10.6
Dauphin	Black	18.3%	9	2	11	7.6%	1	NSR	3	NSR	3	NSR	3	NSR	1	NSR
	White	75.3%	100	26	126	86.9%	3	NSR	30	16.7	36	17.3	37	16.3	20	12.6
Delaware	Black	19.6%	27	6	33	9.2%	2	NSR	9	NSR	10	8.9	10	12.4	2	NSR
	White	73.7%	233	79	312	86.9%	13	2.6	64	17.4	90	22.2	112	25.3	33	9.5
Montgomery	Black	8.9%	15	4	19	3.8%	3	NSR	8	NSR	5	NSR	1	NSR	2	NSR
	White	82.7%	356	109	465	92.1%	12	1.5	85	15.3	141	20.2	158	22.7	69	12.6
Philadelphia	Black	44.8%	168	32	200	25.2%	22	2.1	72	9.5	58	8.9	34	5.9	14	3.8
	White	45.0%	386	113	499	62.8%	9	NSR	94	10.3	175	27.6	145	23.9	76	14.5
Pennsylvania	Black	11.0%	341	72	413	5.2%	53	2.4	150	9.4	110	8.0	68	6.1	32	4.8
	White	84.1%	5,806	1,442	7,248	90.7%	295	2.4	1,448	14.9	2,096	19.6	2,193	19.5	1,216	13.5

## INJURY DEATHS: HOMICIDES

In 2012, among Pennsylvania residents, there were 699 deaths due to assault injury (homicides). On the average, one Pennsylvania resident died due to assault injury every 13 hours.

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### Injury Definition

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

Firearms are the leading mechanism of homicide, accounting for nearly 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 been generally **stable** from 2008 to 2012.
- Most common demographic is **black males**, ages 15 to 44.
- Of all Pennsylvania counties, **Philadelphia** had the highest rate.

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### Trends Over Time

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- Age-adjusted death rates for homicide remained largely stable from 2008 to 2012, revolving around 5.3 to 5.8 deaths per 100,000 population.
- Males had significantly higher age-adjusted homicide rates than females from 2008 to 2012.
- Black males and females had significantly higher age-adjusted homicide rates than white males and females during 2008 to 2012.

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### Demographic Trends

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- Black males ages 15 to 54 accounted for half of all homicides in 2008 to 2012.
- Males had significantly higher homicide rates than females among ages 15 to 74.
- Among males and females, blacks had significantly higher homicide rates than whites for all ages for which rates could be calculated.

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### Regional Trends

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

Note: Rates could not be calculated for most counties in the state due to a small number of events (i.e., fewer than 20 homicides during 2008 to 2012).

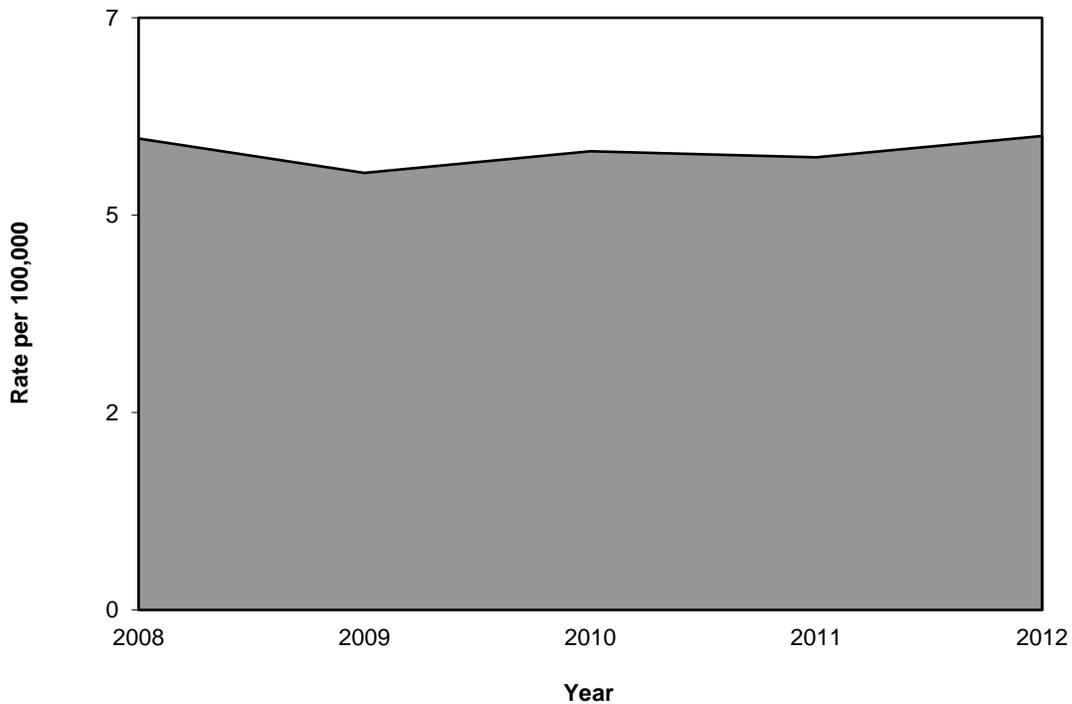
## INJURY DEATHS: HOMICIDES

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	692	5.7
2009	650	5.3
2010	682	5.6
2011	674	5.5
2012	699	5.8

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### AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	2.1	NSR	3.4	8.5	2.7	6.0
2009	NSR	NSR	3.4	7.8	3.4	4.9
2010	3.6	NSR	2.4	8.1	3.3	5.4
2011	2.9	NSR	2.9	8.5	3.0	4.5
2012	3.3	NSR	3.5	8.5	3.5	5.2

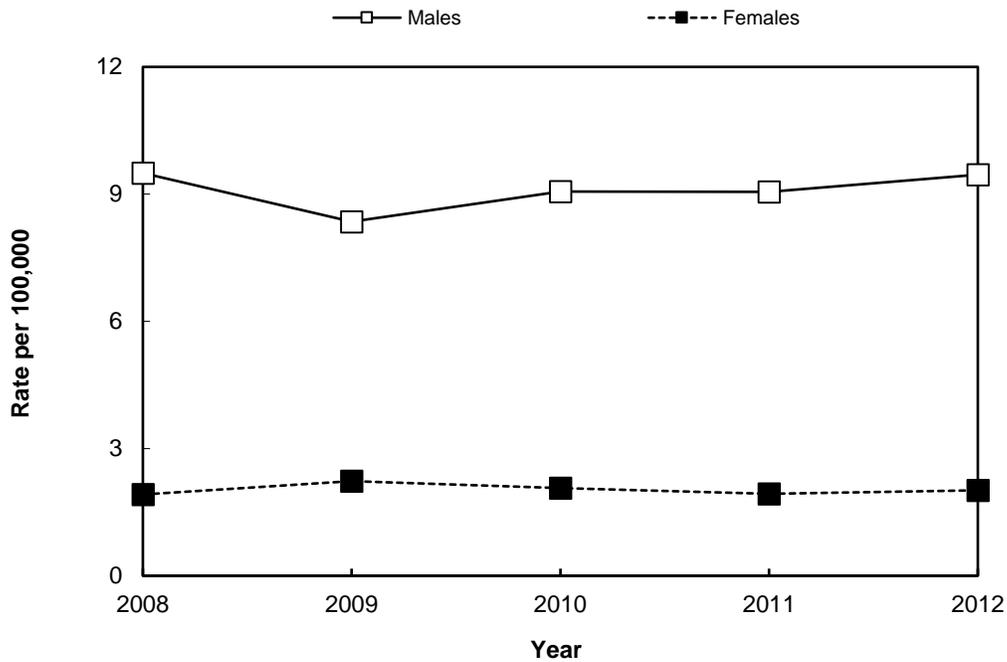
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-10 codes. See Technical Notes.

## INJURY DEATHS: HOMICIDES

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
2008	570	9.5	2008	122	1.9
2009	509	8.4	2009	141	2.2
2010	553	9.1	2010	128	2.1
2011	555	9.1	2011	119	1.9
2012	570	9.5	2012	129	2.0



### AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

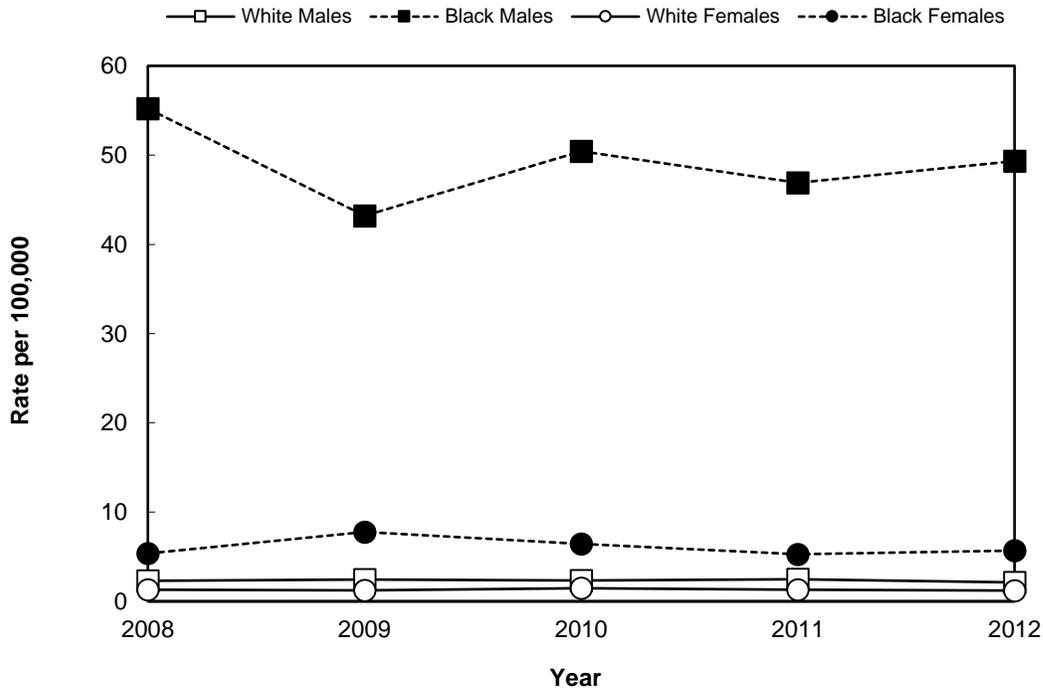
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	11.9	3.2	2008	2.2	1.3
2009	10.5	2.7	2009	2.5	1.6
2010	11.3	3.1	2010	2.3	1.4
2011	11.4	2.8	2011	2.1	1.4
2012	11.9	2.8	2012	2.1	1.8

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 DEATHS: HOMICIDES

## TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2008	119	396	72	39	44	10
2009	124	318	69	56	62	13
2010	120	366	74	45	51	5
2011	126	364	67	41	51	8
2012	108	376	66	44	65	14



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	2.5	46.9	1.3	5.3	13.0	NSR
2012	2.1	49.3	1.2	5.7	14.9	NSR

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 DEATHS: HOMICIDES

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>3,397</b>	<b>5.4</b>	<b>2,757</b>	<b>8.9</b>	<b>639</b>	<b>2.0</b>	<b>3,027</b>	<b>6.6</b>	<b>370</b>	<b>2.1</b>
< 5	68	1.9	37	2.0	30	1.7	50	1.8	18	2.0
5-9	15	0.4	7	NSR	8	NSR	12	0.4	3	NSR
10-14	26	0.7	20	1.0	6	NSR	21	0.7	5	NSR
15-19	474	10.5	424	18.5	50	2.2	440	13.5	34	2.7
20-24	734	16.5	645	28.7	89	4.1	696	21.7	38	3.1
25-29	491	12.6	434	22.0	57	3.0	451	15.3	40	4.3
30-34	371	9.9	315	16.8	56	3.0	341	12.2	30	3.2
35-39	292	7.7	231	12.2	61	3.2	259	9.3	33	3.3
40-44	255	6.0	193	9.1	62	2.9	224	7.2	31	2.7
45-49	191	4.1	135	5.9	56	2.4	156	4.6	35	2.8
50-54	154	3.3	113	4.9	41	1.7	127	3.7	27	2.1
55-59	94	2.2	68	3.2	26	1.2	76	2.5	18	1.5
60-64	74	2.0	48	2.7	26	1.4	59	2.3	15	1.4
65-69	42	1.5	30	2.3	12	0.8	32	1.6	10	1.2
70-74	31	1.4	18	1.8	13	1.1	21	1.4	10	1.5
75-79	22	1.2	14	1.8	8	NSR	15	1.2	7	NSR
80-84	36	2.4	15	2.6	21	2.3	27	2.6	9	NSR
85 +	27	1.7	10	2.0	17	1.6	20	1.8	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. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

## INJURY DEATHS: HOMICIDES

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>597</b>	<b>2.3</b>	<b>1,820</b>	<b>54.6</b>	<b>348</b>	<b>1.3</b>	<b>225</b>	<b>6.2</b>	<b>323</b>	<b>9.3</b>		
< 5	21	1.5	14	5.2	*	17	1.2	10	3.8	*	3	NSR
5-9	2	NSR	4	NSR		6	NSR	2	NSR		0	NSR
10-14	4	NSR	12	4.3		4	NSR	1	NSR		3	NSR
15-19	46	2.5	326	101.1	*	11	0.6	28	9.1	*	52	15.2
20-24	62	3.4	513	164.4	*	40	2.3	39	12.6	*	65	20.4
25-29	62	3.9	314	125.4	*	27	1.8	24	9.4	*	52	17.9
30-34	73	4.8	207	92.0	*	28	1.9	22	9.2	*	32	11.7
35-39	43	2.7	154	73.1	*	36	2.3	16	7.0	*	35	13.9
40-44	58	3.2	107	48.4	*	31	1.7	25	10.2	*	31	13.5
45-49	57	2.9	60	27.0	*	25	1.3	25	10.0	*	22	10.9
50-54	52	2.5	47	22.7	*	27	1.3	12	5.0	*	10	6.4
55-59	29	1.5	28	16.4	*	17	0.9	8	NSR		7	NSR
60-64	25	1.6	19	14.7	*	18	1.1	3	NSR		5	NSR
65-69	18	1.5	7	NSR		10	0.7	2	NSR		3	NSR
70-74	11	1.2	6	NSR		9	NSR	4	NSR		0	NSR
75-79	11	1.6	2	NSR		8	NSR	0	NSR		1	NSR
80-84	14	2.6	0	NSR		18	2.1	3	NSR		1	NSR
85 +	9	NSR	0	NSR		16	1.6	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 INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>121</b>	<b>2.6</b>	<b>59</b>	<b>1.8</b>	<b>235</b>	<b>3.0</b>	<b>2,077</b>	<b>8.2</b>	<b>254</b>	<b>3.2</b>	<b>651</b>	<b>63.9</b>						
< 5	6	NSR	2	NSR	7	NSR	32	2.0	4	NSR	11	1.6						
5-9	1	NSR	0	NSR	0	NSR	-	9	NSR	2	NSR	4	NSR					
10-14	1	NSR	0	NSR	3	NSR		11	0.7	1	NSR	10	1.3	+				
15-19	15	4.4	-	4	NSR	26	4.6	-	281	15.3	+	36	6.6	-	108	11.9		
20-24	10	3.2	-	11	3.2	-	41	7.8	-	509	28.1	+	38	7.5	-	134	15.0	
25-29	15	5.8	-	9	NSR		28	6.2	-	325	19.2	+	34	7.0	-	83	10.4	-
30-34	14	5.4	-	7	NSR		23	5.1	-	227	14.3	+	30	6.5	-	74	9.6	
35-39	10	3.7	-	5	NSR		24	5.1	-	182	11.6	+	20	4.2	-	51	6.5	-
40-44	11	3.6	-	3	NSR		22	4.0	-	140	8.1	+	26	4.7	-	53	5.9	
45-49	6	NSR		6	NSR		12	2.0	-	108	5.8	+	21	3.6		37	3.7	
50-54	11	3.1		6	NSR		15	2.5	-	88	4.8	+	13	2.2	-	23	2.2	-
55-59	4	NSR		0	NSR	-	10	1.8		53	3.2	+	7	NSR		17	1.7	
60-64	5	NSR		0	NSR		6	NSR		37	2.7	+	7	NSR		15	1.8	
65-69	2	NSR		2	NSR		2	NSR		26	2.6	+	5	NSR		6	NSR	
70-74	5	NSR		2	NSR		0	NSR	-	12	1.5		4	NSR		10	1.9	
75-79	3	NSR		0	NSR		4	NSR		8	NSR		0	NSR		4	NSR	
80-84	1	NSR		2	NSR		9	NSR		16	3.0		3	NSR		5	NSR	
85 +	1	NSR		0	NSR		3	NSR		13	2.3		3	NSR		6	NSR	

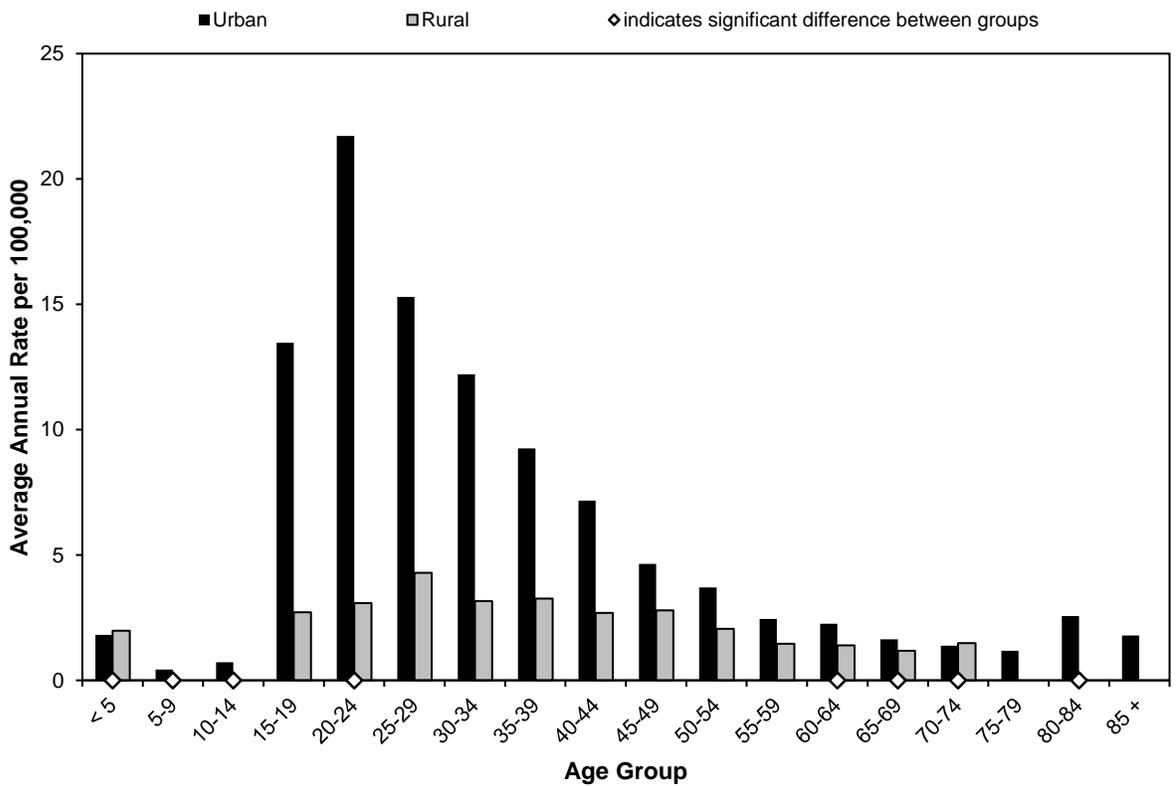
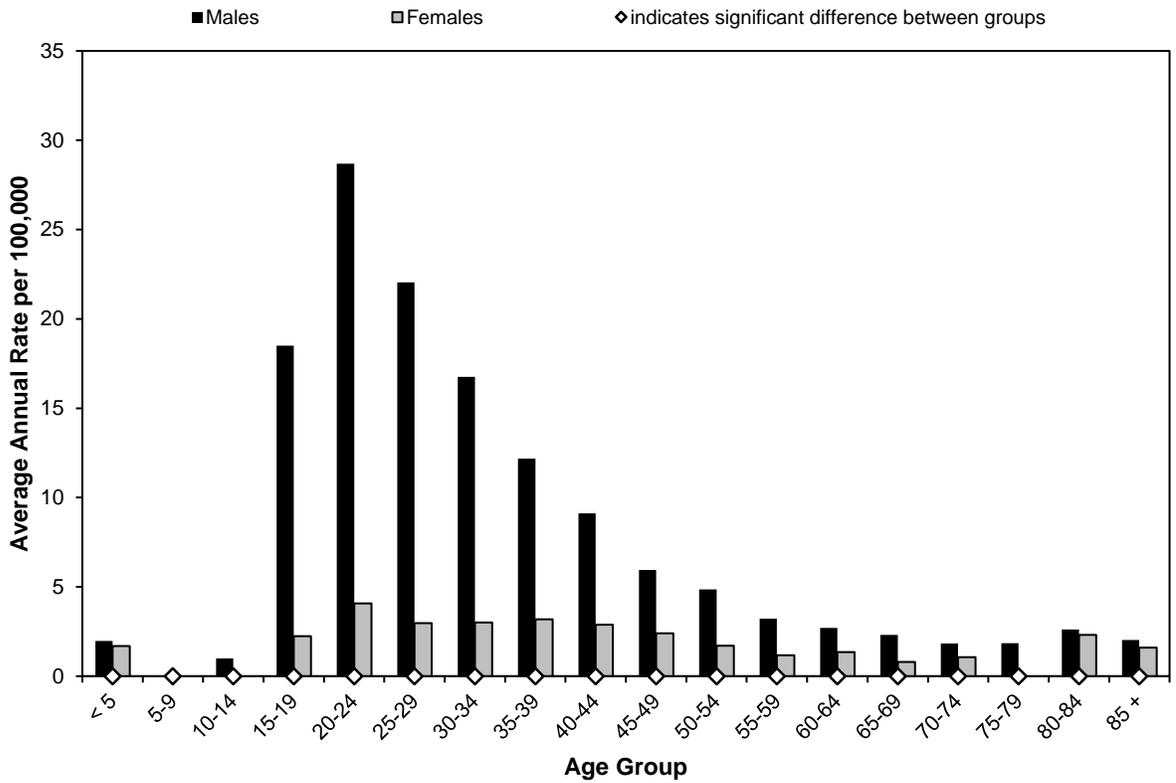
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

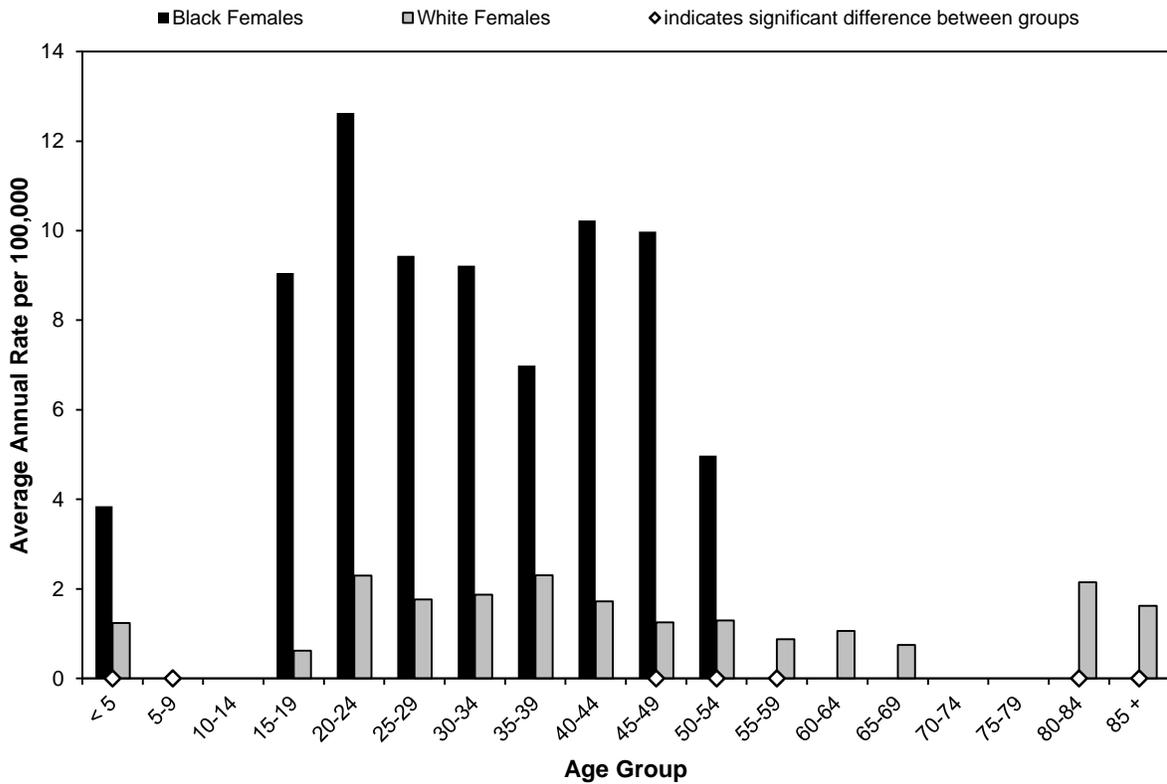
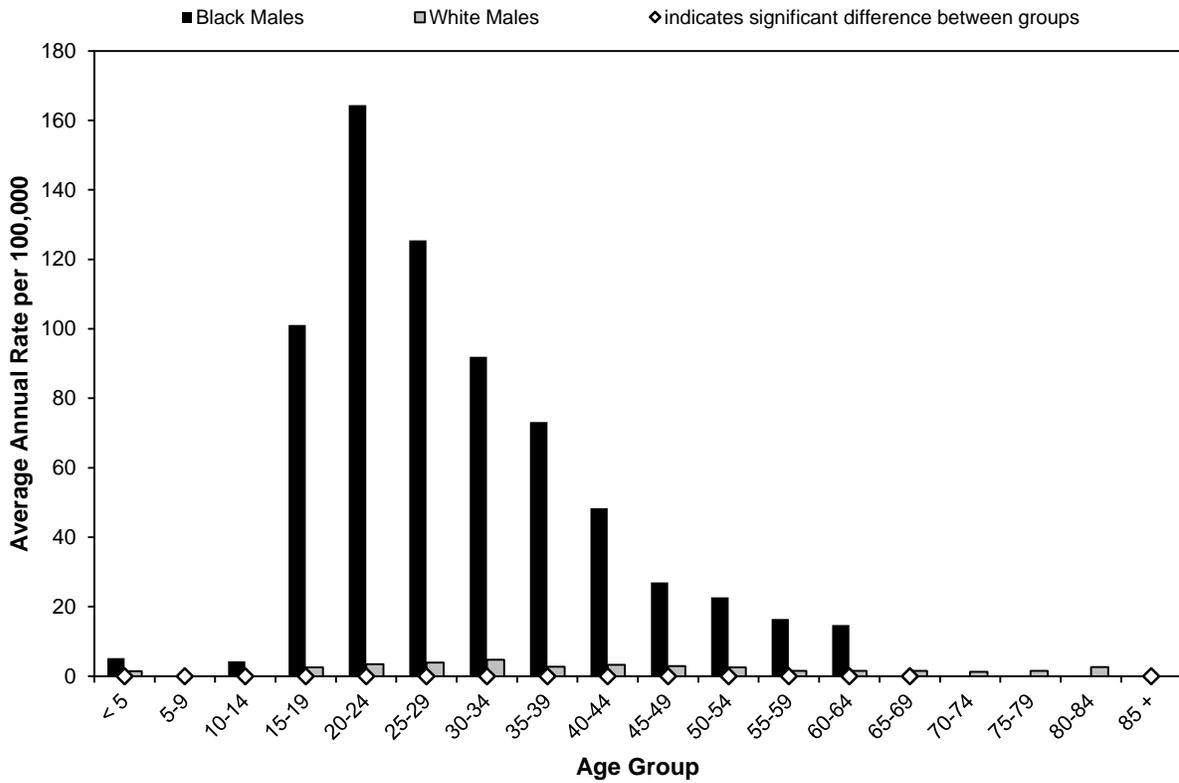
# INJURY DEATHS: HOMICIDES

## AVERAGE ANNUAL DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATHS: HOMICIDES

## AVERAGE ANNUAL DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



## INJURY DEATHS: HOMICIDES

### NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	235	3.1	2.7-3.5	-	<b>Southeast</b>	2,077	8.3	7.9-8.6	+
Carbon	8	NSR			Berks	87	4.4	3.5-5.3	-
Lackawanna	19	NSR			Bucks	37	1.2	0.8-1.6	-
Lehigh	74	4.4	3.4--5.4	-	Chester	36	1.5	1.0-2.0	-
Luzerne	58	4.0	2.9-5.0	-	Delaware	185	6.8	5.8-7.8	+
Monroe	24	2.9	1.8-4.1	-	Lancaster	59	2.4	1.8-3.0	-
Northampton	35	2.5	1.7-3.3	-	Montgomery	84	2.2	1.7-2.7	-
Pike	2	NSR			Philadelphia	1,575	19.1	18.2-20.1	+
Susquehanna	3	NSR			Schuylkill	14	NSR		
Wayne	10	NSR							
Wyoming	2	NSR							
<b>North Central</b>	59	1.8	1.3-2.3	-	<b>South Central</b>	254	3.2	2.8-3.6	-
Bradford	5	NSR			Adams	9	NSR		
Centre	3	NSR			Bedford	9	NSR		
Clinton	2	NSR			Blair	17	NSR		
Columbia	6	NSR			Cumberland	15	NSR		
Lycoming	12	NSR			Dauphin	72	5.7	4.4-7.1	
Montour	2	NSR			Franklin	16	NSR		
Northumberland	9	NSR			Fulton	2	NSR		
Potter	2	NSR			Huntingdon	2	NSR		
Snyder	5	NSR			Juniata	3	NSR		
Sullivan	0	NSR			Lebanon	18	NSR		
Tioga	6	NSR			Mifflin	2	NSR		
Union	7	NSR			Perry	5	NSR		
					York	84	4.1	3.3-5.0	-
<b>Northwest</b>	121	2.8	2.3-3.3	-	<b>Southwest</b>	651	5.2	4.8-5.6	
Cameron	0	NSR			Allegheny	469	8.0	7.3-8.8	+
Clarion	3	NSR			Armstrong	4	NSR		
Clearfield	3	NSR			Beaver	39	5.0	3.5-6.6	
Crawford	17	NSR			Butler	8	NSR		
Elk	3	NSR			Cambria	22	3.3	1.9-4.7	-
Erie	47	3.5	2.5-4.5	-	Fayette	22	3.3	1.9-4.7	-
Forest	1	NSR			Greene	8	NSR		
Jefferson	4	NSR			Indiana	10	NSR		
Lawrence	20	5.1	2.9-7.4		Somerset	9	NSR		
McKean	4	NSR			Washington	26	2.6	1.6-3.6	-
Mercer	9	NSR			Westmoreland	34	2.1	1.4-2.8	-
Venango	4	NSR							
Warren	6	NSR							
					<b>Pennsylvania</b>	<b>3,397</b>	<b>5.6</b>	<b>5.4-5.8</b>	

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

### TOTAL NUMBER OF INJURY DEATHS AND AVERAGE ANNUAL DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	2,761	635	<b>3,396</b>	943	5.9	1,507	12.5	620	4.9	251	2.0	76	0.8
<b>Northeast</b>	166	69	<b>235</b>	103	5.3	77	5.4	36	2.2	18	1.1	1,420	0.1
Carbon	4	4	8	6	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Lackawanna	14	5	19	8	NSR	7	NSR	4	NSR	0	NSR	0	NSR
Lehigh	57	17	74	34	7.5	23	7.0	8	NSR	8	NSR	1	NSR
Luzerne	35	23	58	16	4.4	22	7.6	13	4.0	7	NSR	0	NSR
Monroe	22	2	24	12	5.3	4	NSR	7	NSR	1	NSR	0	NSR
Northampton	23	12	35	15	3.9	14	5.2	4	NSR	2	NSR	0	NSR
Pike	2	0	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Susquehanna	1	2	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Wayne	6	4	10	5	NSR	5	NSR	0	NSR	0	NSR	0	NSR
Wyoming	2	0	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
<b>Southeast</b>	1,778	298	<b>2,076</b>	410	6.1	1,021	20.1	417	8.1	169	3.5	60	1.7
Berks	69	17	86	34	6.1	25	6.7	19	4.5	6	NSR	3	NSR
Bucks	23	14	37	11	1.4	8	NSR	11	1.6	7	NSR	0	NSR
Chester	27	9	36	16	2.3	9	NSR	7	NSR	4	NSR	0	NSR
Delaware	155	30	185	76	10.2	71	13.2	25	4.5	7	NSR	6	NSR
Lancaster	40	19	59	11	1.5	21	4.3	16	3.2	8	NSR	3	NSR
Montgomery	59	25	84	18	1.8	30	4.3	15	1.8	13	1.6	8	NSR
Philadelphia	1,397	178	1,575	238	11.6	853	44.9	321	22.4	123	9.6	40	4.3
Schuylkill	8	6	14	6	NSR	4	NSR	3	NSR	1	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	2,761	635	3,396	943	5.9	1,507	12.5	620	4.9	251	2.0	76	0.8
<b>North Central</b>	43	16	<b>59</b>	48	5.7	10	1.3	1	NSR	0	NSR	0	NSR
Bradford	2	3	5	4	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Centre	2	1	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clinton	1	1	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Columbia	4	2	6	6	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Lycoming	10	2	12	10	7.1	2	NSR	0	NSR	0	NSR	0	NSR
Montour	1	1	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Northumberland	5	4	9	5	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Potter	2	0	2	2	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	6	0	6	5	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Union	6	1	7	4	NSR	3	NSR	0	NSR	0	NSR	0	NSR
<b>South Central</b>	181	73	<b>254</b>	133	6.3	72	4.8	35	2.0	11	0.6	3	NSR
Adams	5	4	9	7	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Bedford	8	1	9	5	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Blair	10	7	17	8	NSR	4	NSR	4	NSR	1	NSR	0	NSR
Cumberland	5	10	15	7	NSR	5	NSR	3	NSR	0	NSR	0	NSR
Dauphin	62	10	72	35	10.3	20	8.1	9	NSR	6	NSR	2	NSR
Franklin	11	5	16	10	5.1	4	NSR	2	NSR	0	NSR	0	NSR
Fulton	2	0	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Huntingdon	1	1	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Juniata	3	0	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Lebanon	9	9	18	8	NSR	4	NSR	5	NSR	1	NSR	0	NSR
Mifflin	1	1	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Perry	4	1	5	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
York	60	24	84	39	7.0	29	7.5	12	2.6	3	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	2,761	635	3,396	943	5.9	1,507	12.5	620	4.9	251	2.0	76	0.8
<b>Northwest</b>	79	42	<b>121</b>	67	5.9	35	4.2	16	1.8	3	NSR	0	NSR
Cameron	0	0	0	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	1	2	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clearfield	2	1	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Crawford	12	5	17	8	NSR	8	NSR	1	NSR	0	NSR	0	NSR
Elk	2	1	3	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Erie	30	17	47	15	4.1	18	6.4	12	4.5	2	NSR	0	NSR
Forest	1	0	1	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	2	2	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Lawrence	16	4	20	9	NSR	7	NSR	3	NSR	1	NSR	0	NSR
McKean	1	3	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Mercer	6	3	9	7	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Venango	2	2	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Warren	4	2	6	6	NSR	0	NSR	0	NSR	0	NSR	0	NSR
<b>Southwest</b>	514	137	<b>651</b>	182	5.8	292	11.9	115	4.3	50	1.7	12	0.5
Allegheny	401	68	469	108	7.6	232	19.2	87	7.3	31	2.4	11	1.1
Armstrong	1	3	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Beaver	28	11	39	15	7.7	14	9.9	6	NSR	4	NSR	0	NSR
Butler	6	2	8	8	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Cambria	13	9	22	9	NSR	7	NSR	3	NSR	3	NSR	0	NSR
Fayette	17	5	22	5	NSR	7	NSR	4	NSR	6	NSR	0	NSR
Greene	3	5	8	4	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Indiana	4	6	10	4	NSR	3	NSR	3	NSR	0	NSR	0	NSR
Somerset	5	4	9	4	NSR	4	NSR	1	NSR	0	NSR	0	NSR
Washington	17	9	26	10	4.1	7	NSR	5	NSR	3	NSR	1	NSR
Westmoreland	19	15	34	11	2.7	15	5.2	5	NSR	3	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.

## INJURY DEATHS: HOMICIDES

### NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	363	41.9	37.6-46.2	Allegheny	87	1.9	1.5-2.2	Berks	36	10.6	7.1-14.1
Chester	15	8.3	4.1-12.4	Chester	14	0.6	0.3-1.0	Lancaster	10	5.0	1.9-8.0
Dauphin	44	17.9	12.6-23.2	Dauphin	20	1.9	1.1-2.7	Lehigh	24	8.3	5.0-11.6
Delaware	141	23.1	19.3-26.9	Delaware	30	1.4	0.9-1.9	Philadelphia	169	17	14.8-20.1
Montgomery	31	8.3	5.4-11.2	Montgomery	42	1.3	0.9-1.6				
Philadelphia	1,246	34.9	33.0-36.8	Philadelphia	120	3.2	2.6-3.8				
Pennsylvania	2,045	27.1	26.0-28.3	Pennsylvania	946	1.8	1.7-1.9	Pennsylvania	323	9.0	8.0-9.9

### NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	324.0	39	<b>363</b>	77.4%	94	35.5	189	107.8	58	38.8	18	12.8	4	NSR
	White	82.1%	58	29	<b>87</b>	18.6%	8	NSR	34	3.6	27	2.7	11	1.0	7	NSR
Chester	Black	6.3%	14	1	<b>15</b>	41.7%	3	NSR	9	NSR	2	NSR	1	NSR	0	NSR
	White	87.9%	6	8	<b>14</b>	38.9%	1	NSR	2	NSR	6	NSR	3	NSR	2	NSR
Dauphin	Black	18.3%	40	4	<b>44</b>	61.1%	13	15.9	20	40.7	8	NSR	2	NSR	1	NSR
	White	75.3%	18	2	<b>20</b>	27.8%	3	NSR	1	NSR	6	NSR	7	NSR	3	NSR
Delaware	Black	19.6%	125	16	<b>141</b>	76.2%	27	14.6	81	62.7	30	26.8	3	NSR	0	NSR
	White	73.7%	18	12	<b>30</b>	16.2%	3	NSR	10	2.7	6	NSR	4	NSR	7	NSR
Montgomery	Black	8.9%	25	6	<b>31</b>	36.9%	10	9.7	13	17.3	7	NSR	1	NSR	0	NSR
	White	82.7%	26	16	<b>42</b>	50.0%	6	NSR	12	2.2	6	NSR	11	1.6	7	NSR
Philadelphia	Black	44.8%	1,128	118	<b>1,246</b>	79.1%	201	19.0	705	93.3	241	36.8	81	14.1	18	4.9
	White	45.0%	92	28	<b>120</b>	7.6%	3	NSR	52	5.7	25	3.9	22	3.6	18	3.4
Pennsylvania	Black	11.0%	1,820	225	<b>2,045</b>	60.2%	397	17.8	1,119	70.4	387	28.1	117	10.4	25	3.7
	White	84.1%	597	348	<b>945</b>	27.8%	112	0.9	292	3.0	250	2.3	168	1.5	124	1.4

## INJURY DEATHS: TRAUMATIC BRAIN INJURY

In 2012, among Pennsylvania residents, there were 2,358 injury deaths involving traumatic brain injury (TBI). On average, one resident died every four hours.

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### Injury Definition

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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 more than 80 percent of TBI deaths.

### HIGHLIGHTS

- Age-adjusted rates generally **increased** from 2008 to 2012.
- Most common demographic is **white males**, 15 and older.
- Of all Pennsylvania counties, **Bedford, Elk and Greene** had the highest rates.

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### Trends Over Time

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- Age-adjusted death rates for TBI decreased by 9 percent from 17.1 deaths per 100,000 population in 2008 to 15.5 deaths per 100,000 population in 2009. It thereafter increased by 6 percent to 16.4 deaths per 100,000 population in 2012.
- Males had significantly higher age-adjusted TBI death rates than females from 2008 to 2012.
- Rural populations had higher age-adjusted TBI death rates than urban populations from 2008 to 2012.

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### Demographic Trends

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- White males accounted for over 60 percent of all TBI deaths during 2008 to 2012.
- Males had significantly higher TBI death rates than females for all age groups.
- Black males had significantly higher TBI death rates than white males for ages less than 40 where rates could be calculated.
- White males had higher TBI death rates than black males for ages 40 and older.

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### Regional Trends

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- The Southwest and Northwest Health Districts had the highest age-adjusted TBI death rates, while the Southeast Health District had the lowest rate.
- Twenty-one counties had age-adjusted TBI death rates for 2008 to 2012 that were significantly higher than the comparable state rate. Most counties were rural.

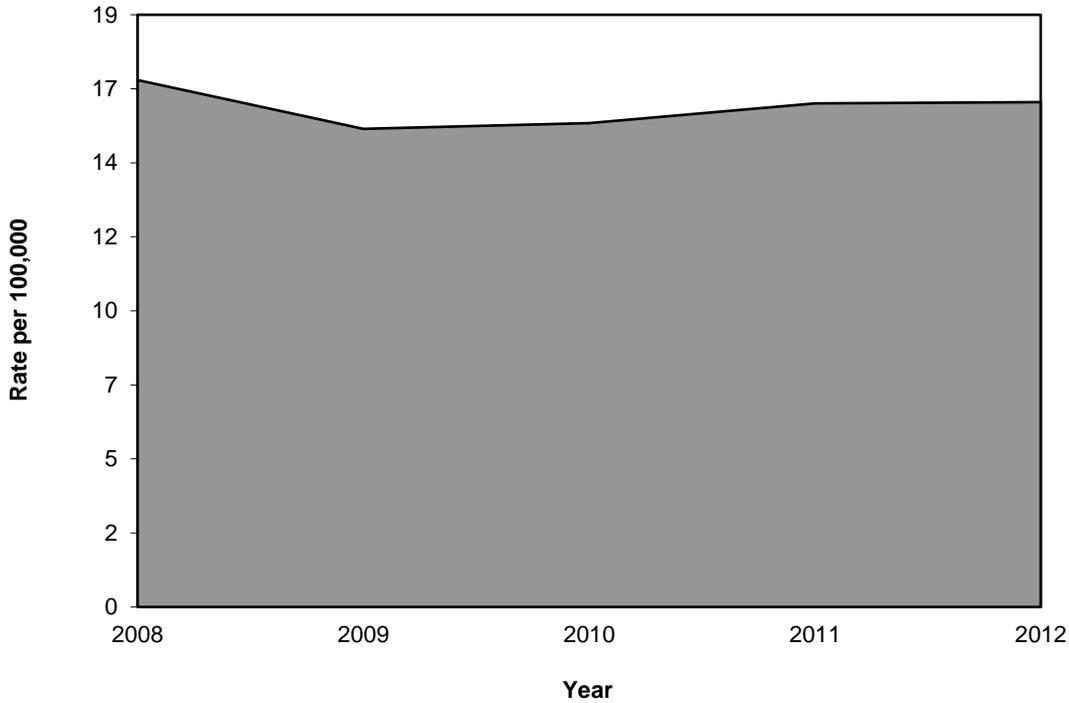
# INJURY DEATHS: TRAUMATIC BRAIN INJURY

## TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	2,328	17.1
2009	2,170	15.5
2010	2,225	15.7
2011	2,331	16.3
2012	2,358	16.4

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## AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	19.3	19.0	16.2	14.4	17.1	21.2
2009	19.5	15.6	11.4	13.1	17.3	20.0
2010	21.6	15.5	13.9	12.5	16.6	20.3
2011	19.7	16.1	17.0	13.2	15.4	21.2
2012	21.4	16.3	15.7	13.6	15.1	20.8

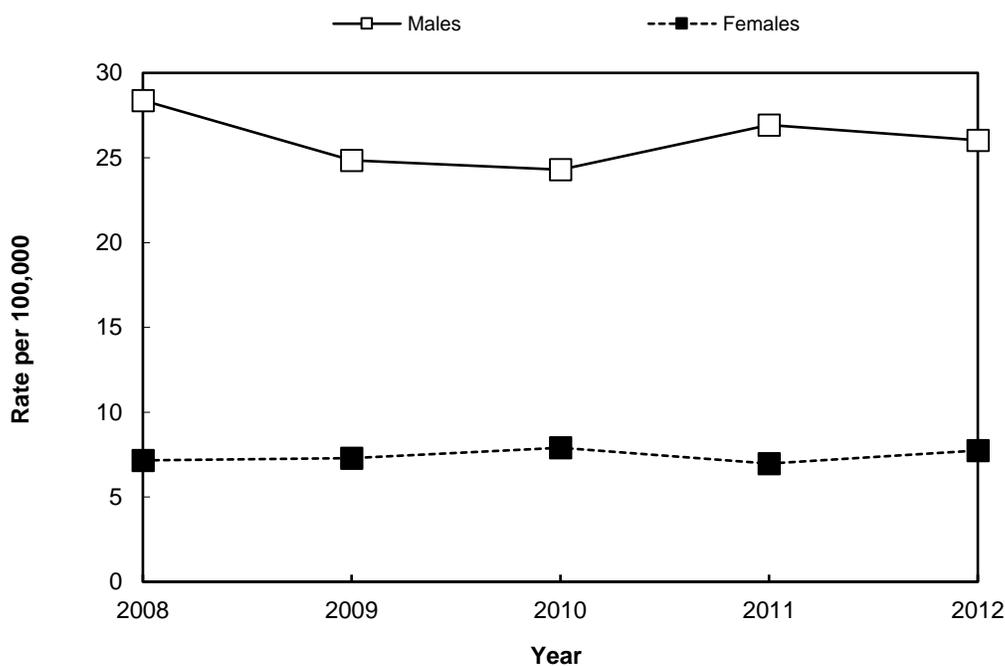
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.  
Rates are per 100,000. Data for 2008-2012 based on ICD-10 codes. See Technical Notes.

## INJURY DEATHS: TRAUMATIC BRAIN INJURY

### TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	1,744	26.9	2011	587	7.0
2012	1,706	26.0	2012	652	7.7



### AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

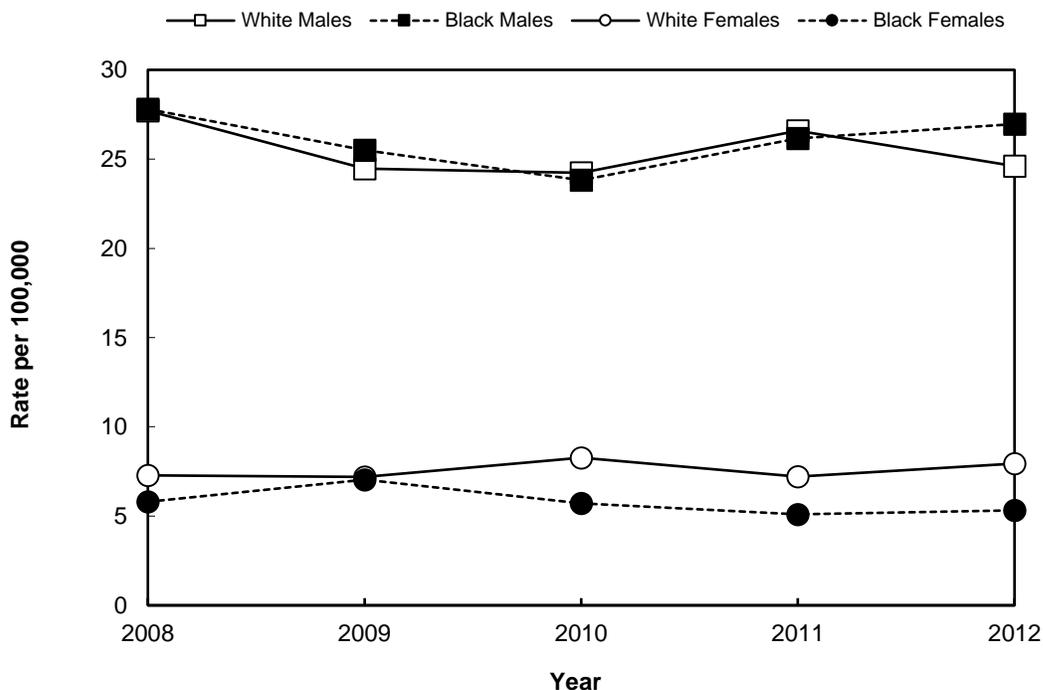
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	25.8	35.0	2008	6.4	9.3
2009	22.3	31.5	2009	6.3	9.9
2010	22.4	29.1	2010	7.1	10.2
2011	24.6	33.3	2011	6.2	8.9
2012	23.6	32.4	2012	6.6	10.8

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 DEATHS: TRAUMATIC BRAIN INJURY

## TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
2008	1,507	174	532	42	55	8
2009	1,360	156	540	51	33	9
2010	1,338	156	607	41	38	7
2011	1,507	173	534	39	42	5
2012	1,410	184	589	39	56	16



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	26.6	26.2	7.2	5.1	14.7	NSR
2012	24.6	27.0	7.9	5.3	19.4	NSR

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 DEATHS: TRAUMATIC BRAIN INJURY

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>11,412</b>	<b>18.0</b>	<b>8,317</b>	<b>27.0</b>	<b>3,095</b>	<b>9.5</b>	<b>7,446</b>	<b>16.2</b>	<b>3,966</b>	<b>23.0</b>
< 5	87	2.4	54	2.9	33	1.8	57	2.1	30	3.3
5-9	35	0.9	23	1.2	12	0.7	24	0.9	11	1.1
10-14	71	1.8	50	2.5	21	1.1	40	1.4	31	3.0
15-19	549	12.2	424	18.5	125	5.6	337	10.3	212	17.0
20-24	848	19.1	711	31.6	137	6.3	557	17.4	291	23.6
25-29	664	17.1	543	27.6	121	6.3	427	14.5	237	25.4
30-34	567	15.1	470	25.0	97	5.2	382	13.7	185	19.5
35-39	520	13.6	431	22.7	89	4.7	311	11.1	209	20.7
40-44	606	14.2	489	23.1	117	5.4	384	12.3	222	19.3
45-49	750	16.3	614	27.0	136	5.8	456	13.6	294	23.4
50-54	800	16.9	672	28.9	128	5.3	509	14.9	291	22.2
55-59	699	16.1	563	26.7	136	6.1	457	14.7	242	19.7
60-64	645	17.5	508	28.7	137	7.1	416	15.9	229	21.2
65-69	528	18.9	395	30.3	133	8.9	345	17.7	183	21.6
70-74	599	27.3	440	44.8	159	13.1	364	23.9	235	35.0
75-79	761	42.1	524	69.1	237	22.6	517	40.8	244	45.2
80-84	1,056	71.1	624	108.8	432	47.4	719	68.2	337	78.3
85 +	1,627	104.5	782	159.0	845	79.3	1,144	102.2	483	110.6

\* 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: TRAUMATIC BRAIN INJURY

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>7,122</b>	<b>27.4</b>	<b>843</b>	<b>25.3</b>	<b>2,802</b>	<b>10.3</b>	<b>212</b>	<b>5.8</b>	<b>269</b>	<b>7.7</b>		
< 5	31	2.1	12	4.5	*	23	1.7	8	NSR	6	NSR	
5-9	18	1.2	5	NSR		12	0.8	0	NSR	0	NSR	
10-14	41	2.5	7	NSR		17	1.1	3	NSR	3	NSR	
15-19	285	15.6	111	34.4	*	100	5.6	18	5.8	25	7.3	
20-24	513	28.5	147	47.1	*	107	6.1	22	7.1	40	12.5	
25-29	388	24.3	110	43.9	*	95	6.2	20	7.9	33	11.4	
30-34	353	23.0	82	36.4	*	78	5.2	13	5.4	28	10.2	
35-39	334	21.2	79	37.5	*	78	5.0	8	3.5	13	5.2	
40-44	414	23.1	48	21.7		100	5.5	15	6.1	22	9.6	
45-49	556	28.3	36	16.2	*	120	6.0	13	5.2	17	8.4	
50-54	600	29.4	45	21.7	*	118	5.6	7	NSR	16	10.2	
55-59	510	27.1	35	20.5	*	121	6.2	13	6.3	16	13.6	
60-64	463	29.0	31	24.0	*	125	7.4	8	NSR	11	13.1	
65-69	365	30.8	19	22.3	*	123	9.2	8	NSR	7	NSR	
70-74	403	44.9	25	39.9		141	12.9	15	15.9	7	NSR	
75-79	491	70.2	19	41.8	*	218	22.9	7	NSR	10	37.3	
80-84	602	112.6	15	48.7	*	408	48.7	17	27.9	*	6	NSR
85 +	755	164.5	17	64.1	*	818	82.8	17	25.9	*	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: TRAUMATIC BRAIN INJURY

### TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST						
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate					
<b>TOTAL</b>	<b>1,030</b>	<b>22.3</b>	<b>631</b>	<b>16.5</b>	<b>1,326</b>	<b>16.7</b>	<b>3,678</b>	<b>14.5</b>	<b>1,482</b>	<b>16.3</b>	<b>3,265</b>	<b>63.9</b>					
< 5	8	NSR	7	NSR	10	2.3	20	1.2	-	11	2.6	28	4.0	+			
5-9	5	NSR	2	NSR	1	NSR	13	0.8		3	NSR	11	1.5	+			
10-14	8	NSR	3	NSR	6	NSR	19	1.1	-	9	NSR	26	3.3	+			
15-19	62	18.4	+	32	11.2		57	10.0	-	161	8.8	-	68	12.5	154	16.9	+
20-24	73	23.4	+	45	12.4	-	108	20.4		293	16.2	-	93	18.5	233	26.1	+
25-29	62	23.9	+	38	18.9		62	13.8	-	250	14.8	-	80	16.5	170	21.3	+
30-34	65	25.2	+	22	10.5	-	55	12.3	-	185	11.7	-	71	14.5	169	21.9	+
35-39	55	20.5	+	36	19.4	+	65	13.7		157	10.0	-	63	12.3	140	17.8	+
40-44	59	19.5	+	29	13.5		78	14.3		189	10.9	-	101	18.1	+	153	17.1
45-49	63	19.0	+	45	18.7	+	79	13.3	-	260	14.1	-	87	14.8	209	21.2	+
50-54	83	23.6	+	42	16.5		98	16.1		269	14.6	-	108	17.0	213	20.0	+
55-59	65	19.7	+	43	18.6		82	14.8		233	14.2		97	16.6	187	18.7	
60-64	55	19.4		40	18.8		81	16.6		209	15.3		77	15.6	173	20.3	
65-69	51	23.1	+	36	21.7		59	15.6	-	165	16.2		75	18.8	143	22.7	
70-74	50	28.0		49	38.4	+	80	27.6		169	21.5	-	99	33.2	155	30.2	
75-79	69	47.3		40	38.6		98	41.7		217	33.4	-	104	44.6	224	51.8	+
80-84	85	71.4		55	66.3		129	67.0		311	58.7	-	129	67.6	342	90.7	+
85 +	112	91.7		67	78.9	-	178	89.0	-	558	98.2		207	106.1	535	135.0	+

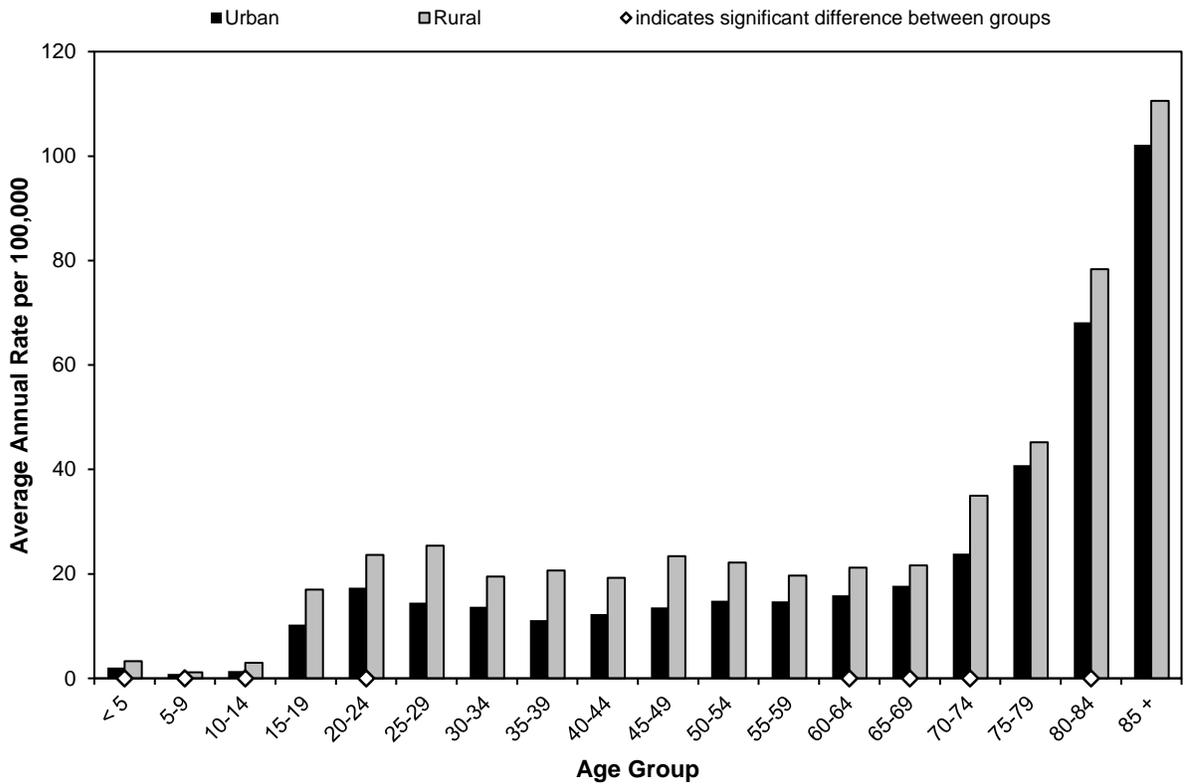
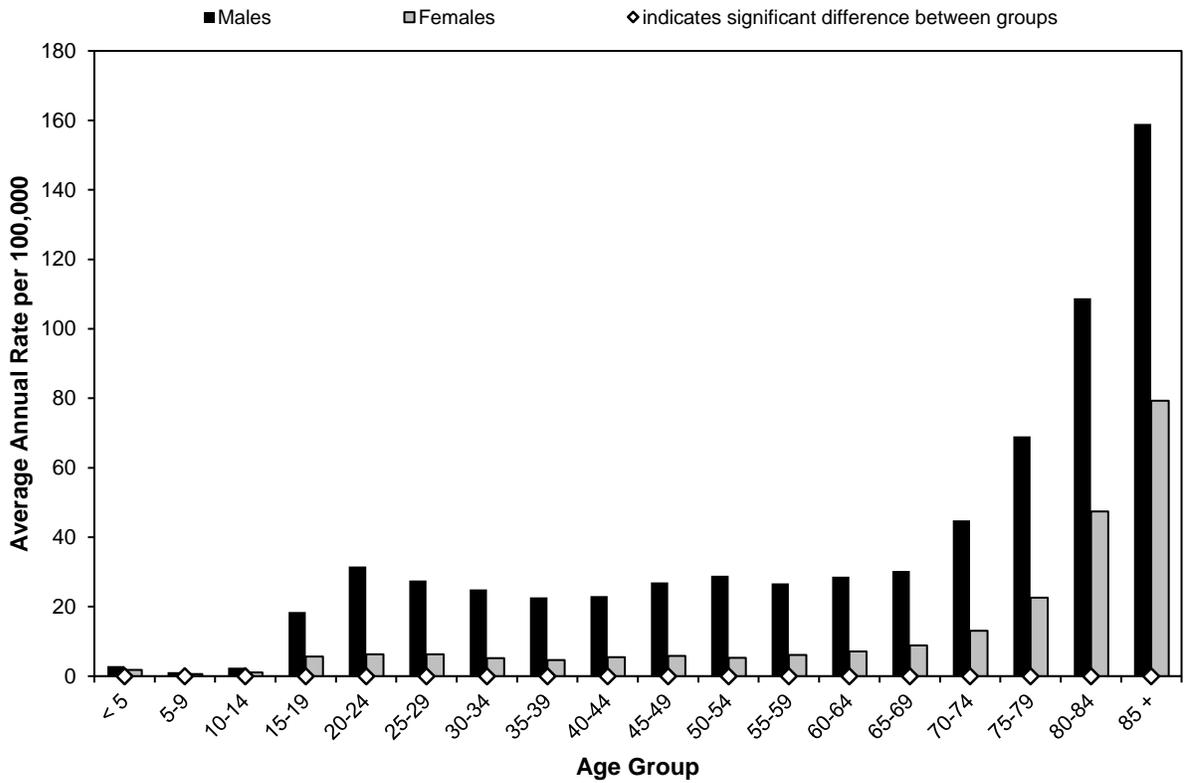
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

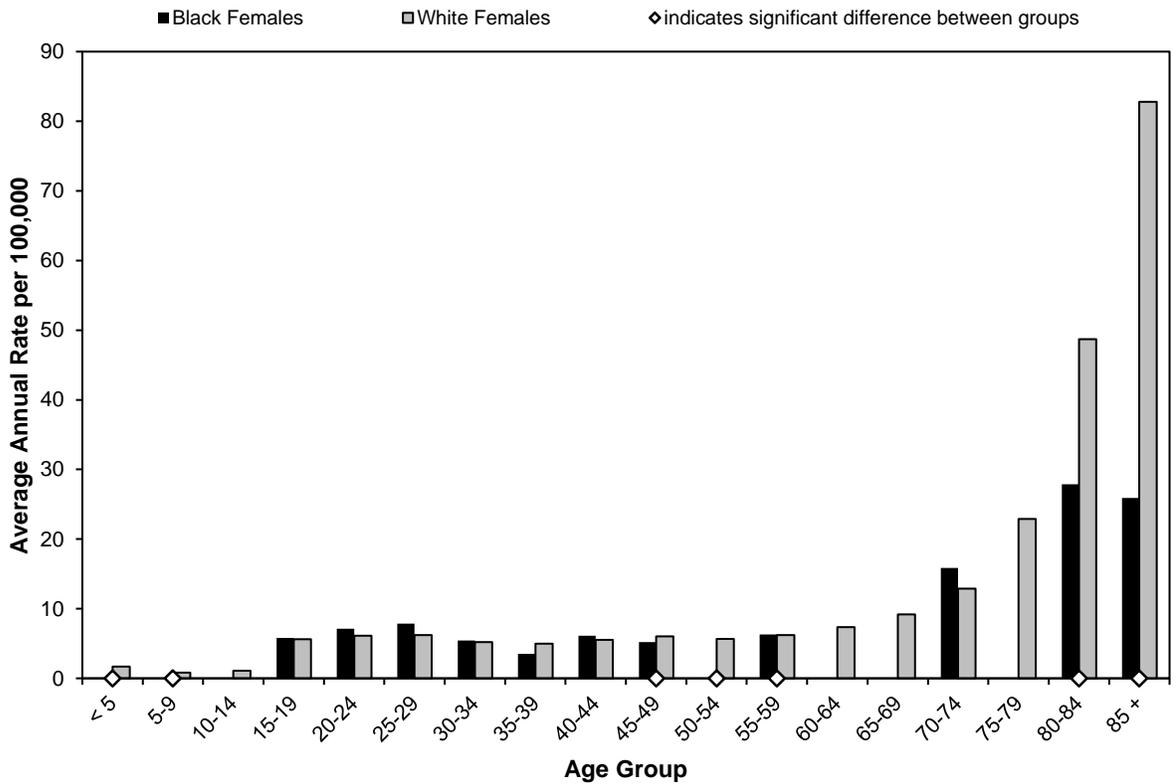
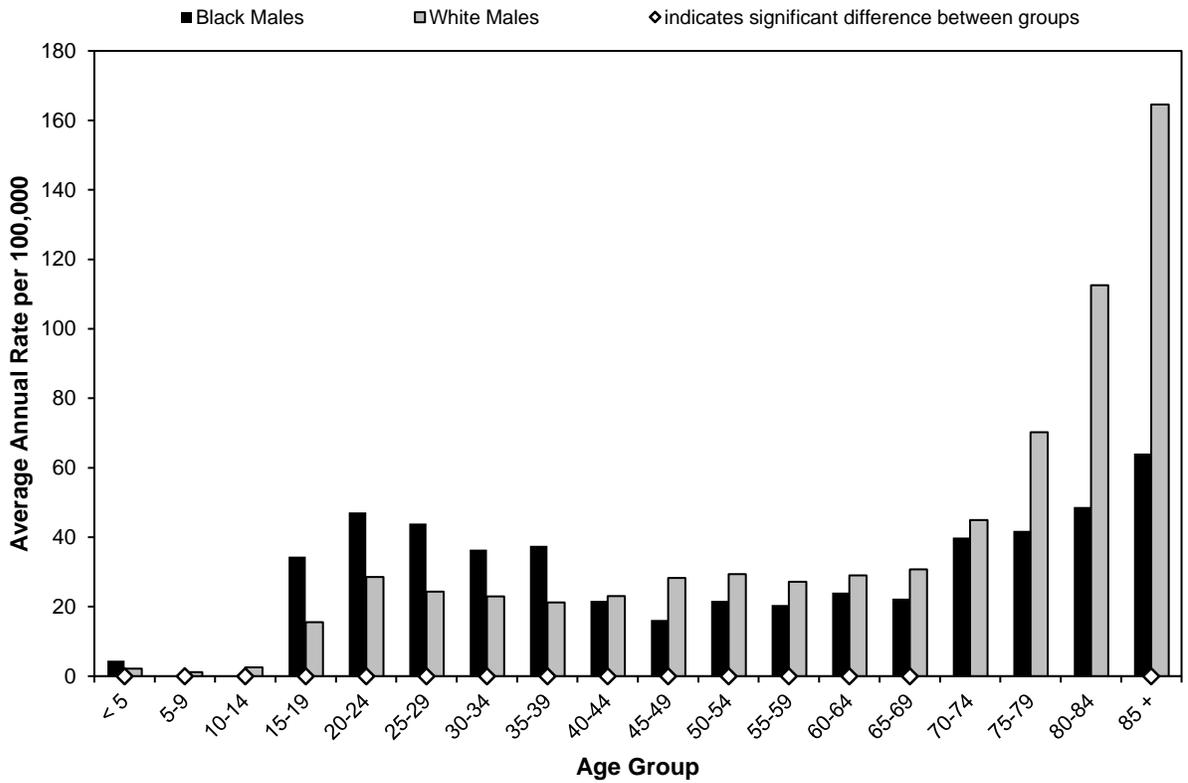
# INJURY DEATHS: TRAUMATIC BRAIN INJURY

## AVERAGE ANNUAL DEATH RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATHS: TRAUMATIC BRAIN INJURY

## AVERAGE ANNUAL DEATH RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY DEATHS: TRAUMATIC BRAIN INJURY

## NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

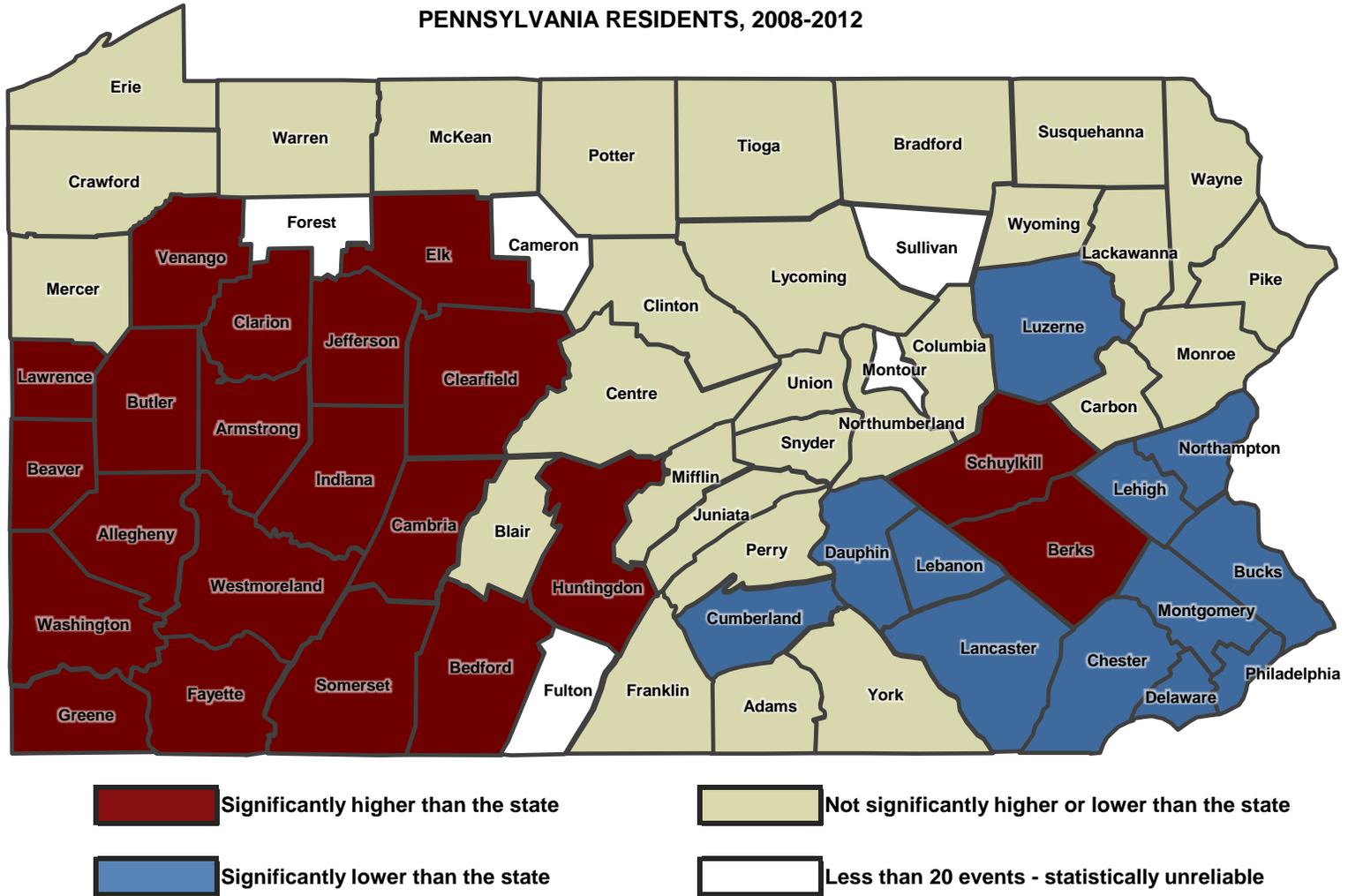
District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	1,326	14.8	14.0-15.6	-	<b>Southeast</b>	3,678	13.3	12.9-13.8	-
Carbon	77	20.6	16.0-25.1		Berks	454	20.2	18.3-22.0	+
Lackawanna	176	14.2	12.1-16.3		Bucks	439	12.6	11.5-13.8	-
Lehigh	276	14.3	12.6-16.0	-	Chester	268	10.3	9.1-11.5	-
Luzerne	253	14.2	12.5-16.0	-	Delaware	369	11.5	10.3-12.6	-
Monroe	151	17.9	15.1-20.8		Lancaster	348	12.1	10.8-13.3	-
Northampton	225	12.8	11.1-14.5	-	Montgomery	459	10.1	9.2-11.0	-
Pike	45	14.1	10.0-18.2		Philadelphia	1,125	14.2	13.4-15.1	-
Susquehanna	39	18.3	12.6-24.1		Schuylkill	216	26.6	23.0-30.1	+
Wayne	59	19.9	14.8-24.9						
Wyoming	25	16.7	10.2-23.3						
<b>North Central</b>	631	16.5	15.2-17.8		<b>South Central</b>	1,482	16.3	15.5-17.1	
Bradford	63	18.9	14.3-23.6		Adams	102	18.6	15.0-22.3	
Centre	130	18.4	15.2-21.5		Bedford	91	35.2	28.0-42.5	+
Clinton	32	14.8	9.7-20.0		Blair	145	19.0	15.9-22.1	
Columbia	61	16.8	12.6-21.0		Cumberland	173	13.3	11.3-15.3	-
Lycoming	93	14.9	11.9-18.0		Dauphin	196	14.0	12.0-15.9	-
Montour	19	NSR			Franklin	125	15.6	12.8-18.3	
Northumberland	94	17.5	14.0-21.1		Fulton	19	NSR		
Potter	20	21.8	12.2-31.3		Huntingdon	62	25.2	18.9-31.5	+
Snyder	35	15.8	10.6-21.1		Juniata	27	21.3	13.2-29.3	
Sullivan	5	NSR			Lebanon	94	12.6	10.0-15.1	-
Tioga	42	18.3	12.7-23.8		Mifflin	49	18.2	13.1-23.2	
Union	37	14.1	9.6-18.7		Perry	47	21.1	15.1-27.1	
					York	352	15.2	13.6-16.8	
<b>Northwest</b>	1,030	20.2	19.0-21.5	+	<b>Southwest</b>	3,265	20.7	20.0-21.4	+
Cameron	8	NSR			Allegheny	1,314	18.1	17.1-19.1	+
Clarion	52	27.6	20.1-35.1	+	Armstrong	87	22.3	17.6-27.0	+
Clearfield	123	26.9	22.1-31.6	+	Beaver	213	21.9	19.0-24.9	+
Crawford	96	20.1	16.0-24.1		Butler	201	19.2	16.5-21.8	+
Elk	55	31.0	22.8-39.2	+	Cambria	196	22.8	19.6-26.0	+
Erie	229	15.1	13.2-17.1		Fayette	208	27.8	24.0-31.6	+
Forest	13	NSR			Greene	64	29.6	22.4-36.9	+
Jefferson	62	24.0	18.0-30.0	+	Indiana	114	24.6	20.1-29.1	+
Lawrence	106	20.4	16.5-24.3	+	Somerset	112	24.6	20.1-29.2	+
McKean	47	20.0	14.3-25.7		Washington	273	22.7	20.0-25.4	+
Mercer	120	18.7	15.4-22.1		Westmoreland	483	22.5	20.5-24.5	+
Venango	73	23.9	18.4-29.4	+					
Warren	46	22.3	15.8-28.7		<b>Pennsylvania</b>	<b>11,412</b>	<b>16.2</b>	<b>15.9-16.5</b>	

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, 2008-2012



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 INJURY DEATHS AND AVERAGE ANNUAL DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	8,317	3,095	<b>11,412</b>	1,451	9.1	1,992	16.5	2,011	15.8	1,993	15.6	3,965	40.3
<b>Northeast</b>	985	341	<b>1,326</b>	214	10.9	189	13.3	268	16.6	215	13.0	1,420	34.0
Carbon	56	21	77	15	20.9	13	23.5	23	34.3	12	16.8	14	24.4
Lackawanna	125	51	176	29	11.5	28	14.0	33	16.1	33	15.2	53	28.0
Lehigh	192	84	276	39	8.6	31	9.5	47	13.3	40	11.7	119	45.3
Luzerne	203	50	253	38	10.5	46	15.9	49	15.3	38	11.6	82	28.5
Monroe	117	34	151	21	9.2	22	15.1	40	22.0	22	12.4	46	42.6
Northampton	155	70	225	28	7.4	21	7.8	36	11.8	38	12.6	102	44.1
Pike	39	6	45	10	14.2	7	NSR	13	20.6	9	NSR	6	NSR
Susquehanna	30	9	39	14	28.5	6	NSR	5	NSR	6	NSR	8	NSR
Wayne	47	12	59	15	27.4	10	24.8	13	24.6	14	22.2	7	NSR
Wyoming	21	4	25	5	NSR	5	NSR	9	NSR	3	NSR	3	NSR
<b>Southeast</b>	2,706	972	<b>3,678</b>	247	3.7	721	14.2	612	11.9	691	14.2	1,407	39.6
Berks	343	111	454	26	4.6	91	24.3	63	15.0	87	22.0	187	62.6
Bucks	317	122	439	16	2.0	64	12.6	68	9.9	88	12.9	203	44.2
Chester	201	67	268	14	2.0	54	12.3	38	7.0	59	11.8	103	31.8
Delaware	260	109	369	14	1.9	55	10.2	43	7.7	74	13.5	183	45.7
Lancaster	245	103	348	24	3.3	50	10.2	51	10.2	61	12.6	162	41.5
Montgomery	318	141	459	19	1.9	66	9.4	72	8.4	81	10.1	221	36.6
Philadelphia	866	259	1,125	88	4.3	302	15.9	219	15.3	217	16.9	299	31.8
Schuylkill	156	60	216	46	28.6	39	30.2	58	36.7	24	15.6	49	36.4

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	8,317	3,095	11,412	1,451	9.1	1,992	16.5	2,011	15.8	1,993	15.6	3,965	40.3
<b>North Central</b>	477	154	<b>631</b>	147	17.3	108	14.4	140	21.7	122	18.1	114	20.6
Bradford	45	18	63	13	16.7	12	24.2	13	21.1	12	18.0	13	23.6
Centre	97	33	130	23	12.4	17	7.0	27	22.1	22	19.0	41	47.3
Clinton	26	6	32	8	NSR	6	NSR	8	NSR	6	NSR	4	NSR
Columbia	47	14	61	18	21.6	12	17.1	14	23.5	17	26.3	0	NSR
Lycoming	75	18	93	19	13.5	17	15.1	24	21.2	21	17.4	12	12.4
Montour	16	3	19	6	NSR	6	NSR	4	NSR	3	NSR	0	NSR
Northumberland	70	24	94	21	19.8	9	NSR	19	20.3	18	18.0	27	30.9
Potter	15	5	20	8	NSR	6	NSR	6	NSR	0	NSR	0	NSR
Snyder	26	9	35	7	NSR	7	NSR	7	NSR	5	NSR	9	NSR
Sullivan	3	2	5	4	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Tioga	34	8	42	8	NSR	7	NSR	12	32.2	7	NSR	8	NSR
Union	23	14	37	12	23.6	8	NSR	6	NSR	11	27.7	0	NSR
<b>South Central</b>	1,087	395	<b>1,482</b>	253	12.0	246	16.3	264	15.4	267	15.7	452	34.7
Adams	80	22	102	22	17.0	24	26.9	18	17.1	20	19.2	18	22.7
Bedford	68	23	91	30	50.8	18	46.2	13	25.7	16	30.1	14	30.0
Blair	102	43	145	26	17.0	13	11.6	27	22.2	28	21.1	51	45.2
Cumberland	121	52	173	34	11.9	27	11.6	31	13.2	33	14.1	48	25.9
Dauphin	149	47	196	26	7.7	29	11.7	34	12.4	35	12.6	72	39.0
Franklin	87	38	125	19	9.8	19	14.6	22	15.0	20	13.9	45	36.0
Fulton	16	3	19	6	NSR	3	NSR	5	NSR	4	NSR	1	NSR
Huntingdon	46	16	62	9	NSR	17	38.4	7	NSR	10	21.3	19	50.5
Juniata	24	3	27	6	NSR	7	NSR	6	NSR	8	NSR	0	NSR
Lebanon	73	21	94	16	9.6	17	14.2	20	15.5	13	9.8	28	24.7
Mifflin	34	15	49	6	NSR	8	NSR	10	22.0	9	NSR	16	36.8
Perry	31	16	47	14	23.7	11	28.2	7	NSR	9	NSR	6	NSR
York	256	96	352	39	7.0	53	13.7	64	13.6	62	14.0	134	43.4

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	8,317	3,095	11,412	1,451	9.1	1,992	16.5	2,011	15.8	1,993	15.6	3,965	40.3
<b>Northwest</b>	765	265	<b>1,030</b>	193	16.9	189	22.8	201	22.3	171	17.7	276	35.1
Cameron	7	1	8	5	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Clarion	38	14	52	12	24.0	14	34.5	10	28.0	7	NSR	9	NSR
Clearfield	92	31	123	20	22.5	25	34.7	26	29.2	19	21.9	33	45.4
Crawford	69	27	96	11	9.6	16	21.2	22	26.1	18	19.1	29	39.2
Elk	40	15	55	15	41.1	6	NSR	8	NSR	12	33.8	14	46.1
Erie	170	59	229	18	4.9	49	17.3	36	13.4	52	18.8	74	36.0
Forest	9	4	13	5	NSR	3	NSR	5	NSR	0	NSR	0	NSR
Jefferson	51	11	62	19	35.2	6	NSR	13	29.7	12	24.9	12	29.0
Lawrence	75	31	106	17	15.6	16	21.7	18	20.8	14	14.4	41	48.2
McKean	36	11	47	15	28.5	9	NSR	11	24.7	7	NSR	5	NSR
Mercer	91	29	120	29	20.0	20	20.5	26	23.4	12	9.9	33	30.9
Venango	51	22	73	15	22.9	9	NSR	18	34.5	10	16.0	21	42.7
Warren	36	10	46	12	25.3	13	41.2	8	NSR	8	NSR	5	NSR
<b>Southwest</b>	2,297	968	<b>3,265</b>	397	12.7	539	21.9	526	19.7	527	18.1	1,276	54.3
Allegheny	930	384	1,314	91	6.4	236	19.5	170	14.4	218	17.0	599	58.4
Armstrong	67	20	87	16	20.1	20	38.0	16	23.1	12	15.6	23	36.0
Beaver	156	57	213	31	15.9	40	28.3	30	17.8	33	17.3	79	49.8
Butler	143	58	201	31	13.1	20	12.8	38	19.5	36	18.6	76	53.9
Cambria	136	60	196	28	17.3	27	21.7	33	23.9	30	19.1	78	57.6
Fayette	149	59	208	37	23.5	45	38.7	35	24.8	29	18.7	62	49.8
Greene	40	24	64	19	43.3	12	32.1	13	32.2	9	NSR	11	36.7
Indiana	84	30	114	18	16.1	19	19.9	23	30.2	16	18.3	38	54.0
Somerset	75	37	112	19	23.1	16	24.1	25	31.2	15	17.7	37	50.6
Washington	177	96	273	42	17.2	45	25.4	55	26.7	44	19.2	87	47.6
Westmoreland	340	143	483	65	16.1	59	20.6	88	24.0	85	20.5	186	54.0

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: TRAUMATIC BRAIN INJURY

**NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI),  
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012**

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	238	28.7	25.1-32.4	Allegheny	1,046	16.0	15.1-17.0	Berks	37	15.5	10.5-20.5
Chester	15	10.1	5.0-15.2	Chester	247	10.4	9.1-11.7	Lancaster	17	10.2	5.3-15.0
Dauphin	33	15.0	9.9-20.1	Dauphin	153	13.2	11.1-15.3	Lehigh	24	15.2	9.1-21.2
Delaware	56	10.8	8.0-13.6	Delaware	301	11.4	10.1-12.7	Philadelphia	103	13	10.8-15.9
Montgomery	30	8.5	5.5-11.5	Montgomery	409	10.3	9.3-11.3				
Philadelphia	516	15.2	13.9-16.5	Philadelphia	471	12.0	10.9-13.1				
Pennsylvania	1,055	15.2	14.3-16.1	Pennsylvania	9,924	16.0	15.7-16.3	Pennsylvania	269	10.1	8.9-11.3

**NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES  
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012**

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	Black	13.4%	188.0	50	<b>238</b>	18.1%	48	18.1	100	57.0	37	24.7	25	17.8	28	31.0
	White	82.1%	718	328	<b>1,046</b>	79.6%	42	4.0	122	12.8	131	13.3	188	16.9	563	61.1
Chester	Black	6.3%	11	4	<b>15</b>	5.6%	2	NSR	7	NSR	2	NSR	2	NSR	2	NSR
	White	87.9%	184	63	<b>247</b>	92.2%	12	2.0	41	11.0	36	7.5	57	12.4	101	33.6
Dauphin	Black	18.3%	26	7	<b>33</b>	16.8%	7	NSR	8	NSR	8	NSR	3	NSR	7	NSR
	White	75.3%	115	38	<b>153</b>	78.1%	5	NSR	18	10.0	27	13.0	33	14.5	70	44.0
Delaware	Black	19.6%	45	11	<b>56</b>	15.2%	5	NSR	20	15.5	9	NSR	12	14.9	10	23.9
	White	73.7%	204	97	<b>301</b>	81.6%	8	NSR	30	8.1	33	8.2	59	13.3	171	49.3
Montgomery	Black	8.9%	25	5	<b>30</b>	6.5%	6	NSR	6	NSR	8	NSR	5	NSR	5	NSR
	White	82.7%	277	132	<b>409</b>	89.1%	11	1.4	55	9.9	60	8.6	72	10.3	211	38.6
Philadelphia	Black	44.8%	418	98	<b>516</b>	45.9%	63	6.0	200	26.5	105	16.0	66	11.5	82	22.3
	White	45.0%	335	136	<b>471</b>	41.9%	8	NSR	56	6.1	87	13.7	127	20.9	193	36.8
Pennsylvania	Black	11.0%	843	212	<b>1,055</b>	9.2%	164	7.4	394	24.8	199	14.4	139	12.4	159	23.8
	White	84.1%	7,122	2,802	<b>9,924</b>	87.0%	527	4.2	1,534	15.8	1,602	15.0	1,937	17.2	4,324	48.1

# **Injury Hospitalizations 2008-2012**

## INJURY HOSPITALIZATIONS: ALL INJURIES

In 2012, among Pennsylvania residents, there were 134,469 hospitalizations due to injury. On average, one resident was hospitalized every four minutes.

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### Injury Definition

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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 injury hospitalization rates **decreased** from 2008 to 2012.
- Most common demographic is **white females**, 80 and older.
- Of all Pennsylvania counties, **Philadelphia** had the highest age-adjusted rate.

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### Trends Over Time

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- Age-adjusted injury hospitalization rates decreased by 14 percent from 1,053.8 hospitalization in 2008 to 910.7 hospitalizations per 100,000 population in 2012.
- Males had significantly higher age-adjusted injury hospitalization rates than females from 2008 to 2012.
- Black males and females had significantly higher age-adjusted injury hospitalization rates than white males and females from 2008 to 2012.

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### Demographic Trends

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- Males had significantly higher injury hospitalization rates for ages less than 70, while females had significantly higher rates for ages 70 and older.
- Among males, blacks had significantly higher injury hospitalization rates for ages less than 80, while whites had significantly higher rates for ages 80 and older.
- Among females, blacks had significantly higher injury hospitalization rates for ages less than 70, while whites showed significantly higher rates for ages 70 and older.

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### Regional Trends

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- The Southeast and Southwest Health Districts had the highest age-adjusted injury hospitalization rates, while the South Central Health District had the lowest rate. However, other districts had high rates for certain age groups.
- Twenty-two counties had age-adjusted injury hospitalization rates for 2008-2012 that were significantly higher than the comparable state rate. These counties are in the Northeast, Southeast, Northwest and Southwest Health Districts.

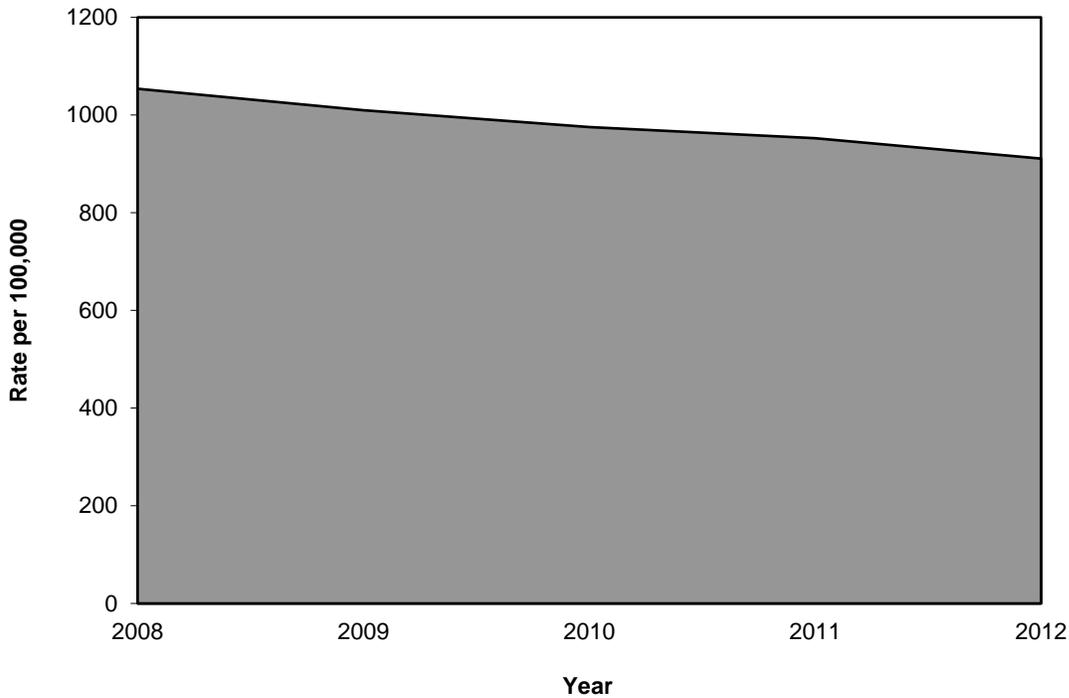
# INJURY HOSPITALIZATIONS: ALL INJURIES

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	147,490	1,053.8
2009	145,111	1,009.8
2010	142,074	975.1
2011	139,900	952.2
2012	134,469	910.7

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## AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	1,067.7	824.8	1,096.4	1,128.0	786.7	1,103.7
2009	1,006.8	789.7	1,017.0	1,102.0	776.2	1,036.4
2010	986.7	799.5	970.9	1,064.1	712.0	1,016.6
2011	923.7	769.5	971.5	1,029.3	720.6	1,001.1
2012	888.0	742.2	944.7	982.3	691.7	946.8

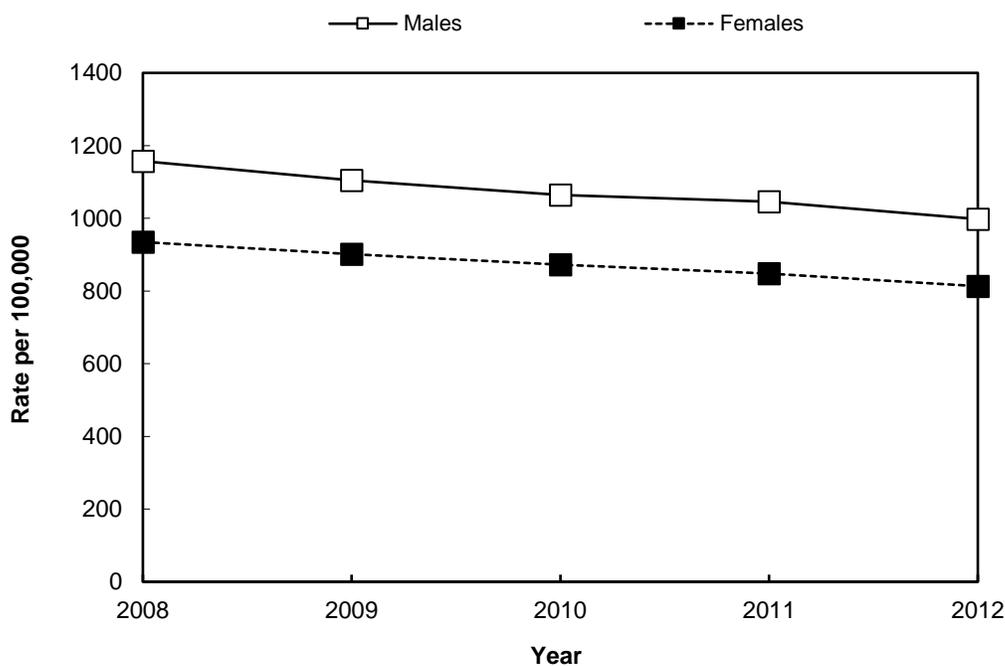
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-9 codes. See Technical Notes.

## INJURY HOSPITALIZATIONS: ALL INJURIES

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	67,894	1,046.0	2011	71,936	847.7
2012	65,186	997.8	2012	69,177	813.4



### AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

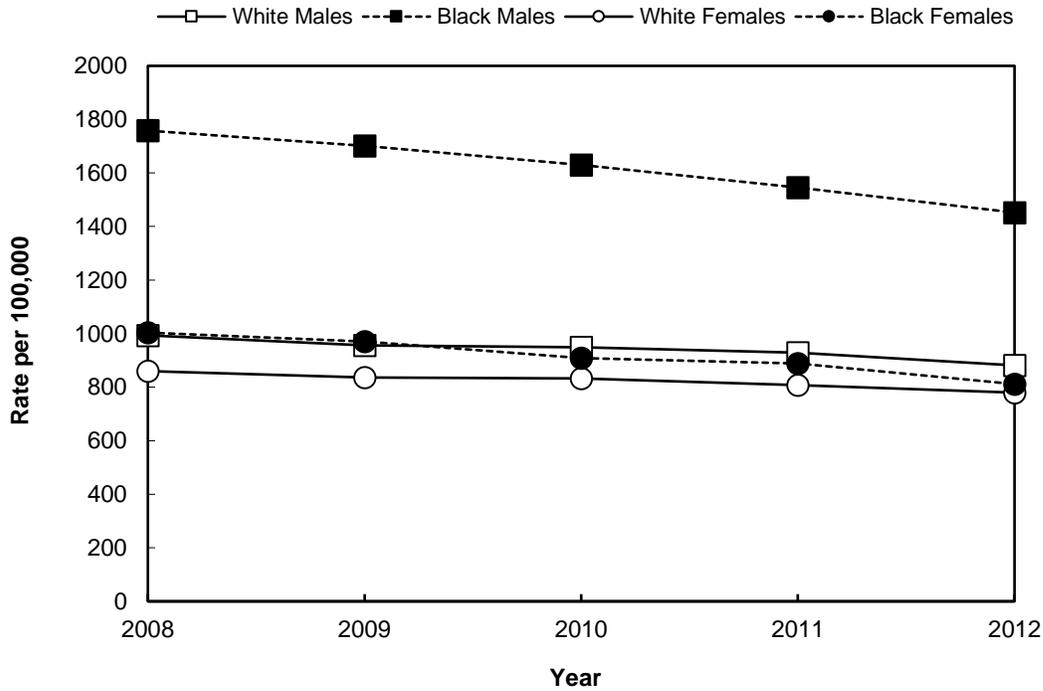
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	1,192.3	1,068.3	2008	942.4	915.9
2009	1,141.9	1,008.6	2009	912.5	874.0
2010	1,105.7	959.5	2010	877.9	859.4
2011	1,083.9	952.6	2011	858.3	822.7
2012	1,039.3	894.4	2012	823.9	787.2

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: ALL INJURIES

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	52,972	9,816	61,681	6,597	1,808	1,136
2012	50,535	9,366	59,481	6,106	1,719	1,082



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	928.5	1,545.3	807.3	888.6	634.0	461.9
2012	881.3	1,452.1	779.4	811.3	555.9	396.2

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 HOSPITALIZATIONS: ALL INJURIES

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate								
<b>TOTAL</b>	<b>709,044</b>	<b>1,120.8</b>	<b>341,992</b>	<b>1,109.9</b>	<b>366,723</b>	<b>1,130.2</b>	<b>521,737</b>	<b>1,133.9</b>	<b>187,307</b>	<b>1,085.8</b>
< 5	7,820	213.8	4,655	248.9	3,147	176.1	6,274	228.1	1,546	170.4
5-9	6,151	163.2	3,730	193.8	2,410	130.7	4,788	171.1	1,363	140.5
10-14	9,126	230.8	6,032	298.5	3,083	159.5	6,636	227.7	2,490	239.5
15-19	24,788	548.7	15,817	689.9	8,944	402.0	17,838	545.8	6,950	556.1
20-24	32,567	734.0	21,255	945.1	11,276	515.3	24,474	763.8	8,093	656.5
25-29	29,192	751.7	18,487	938.7	10,686	558.3	22,081	748.6	7,111	761.8
30-34	26,151	698.6	16,439	874.4	9,691	520.2	19,585	701.1	6,566	691.3
35-39	26,727	701.5	16,229	855.2	10,484	548.2	19,776	706.8	6,951	686.8
40-44	33,555	785.1	20,260	956.1	13,276	616.0	25,144	805.3	8,411	730.1
45-49	42,085	912.1	25,389	1,116.4	16,671	712.4	31,716	944.6	10,369	825.1
50-54	46,184	974.7	26,940	1,158.8	19,229	796.8	34,538	1,007.9	11,646	888.2
55-59	43,453	1,003.2	24,322	1,152.6	19,111	860.3	32,507	1,048.4	10,946	889.3
60-64	41,206	1,115.8	21,434	1,209.5	19,752	1,028.4	30,154	1,153.6	11,052	1,024.3
65-69	39,299	1,405.1	18,615	1,428.7	20,673	1,383.8	28,038	1,438.3	11,261	1,328.9
70-74	42,314	1,926.8	18,406	1,875.1	23,898	1,967.7	30,049	1,971.4	12,265	1,825.6
75-79	55,208	3,056.3	21,519	2,836.4	33,673	3,213.9	39,524	3,120.1	15,684	2,906.5
80-84	74,293	5,004.8	25,808	4,499.3	48,467	5,321.1	53,814	5,104.2	20,479	4,761.2
85 +	128,925	8,281.3	36,655	7,454.4	92,252	8,661.4	94,801	8,465.0	34,124	7,810.4

\* 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: ALL INJURIES

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>263,223</b>	<b>1,014.2</b>	<b>49,184</b>	<b>1,476.5</b>	<b>311,209</b>	<b>1,143.3</b>	<b>33,005</b>	<b>904.6</b>	<b>18,892</b>	<b>541.0</b>
< 5	2,486	172.1	1,191	445.4 *	1,649	120.0	787	302.3 *	769	198.1
5-9	2,234	147.6	821	312.2 *	1,462	101.5	500	195.9 *	516	146.2
10-14	4,043	251.3	1,160	415.8 *	2,102	137.3	539	201.6 *	538	164.5
15-19	10,489	572.9	3,389	1,050.7 *	6,470	363.7	1,386	448.2 *	1,200	350.5
20-24	13,977	777.5	4,510	1,445.5 *	8,044	461.4	1,887	611.1 *	1,682	527.6
25-29	12,478	782.0	3,615	1,444.2 *	7,877	513.9	1,700	668.7 *	1,491	513.9
30-34	10,994	716.2	3,197	1,420.4 *	6,951	463.8	1,666	698.1 *	1,495	545.5
35-39	11,084	704.4	3,167	1,503.9 *	7,780	497.0	1,659	724.4 *	1,396	553.5
40-44	14,128	786.7	4,025	1,818.8 *	9,834	544.9	2,205	902.2 *	1,422	620.2
45-49	18,088	920.7	5,030	2,261.6 *	12,664	634.4	2,723	1,087.1 *	1,379	681.1
50-54	19,737	965.7	5,051	2,435.0 *	15,130	723.4	2,944	1,219.7 *	1,243	794.5
55-59	18,608	990.2	4,030	2,363.4 *	15,432	792.2	2,485	1,206.1 *	947	802.4
60-64	17,074	1,069.8	2,852	2,210.9 *	16,520	971.4	2,073	1,244.6 *	856	1,020.7
65-69	15,501	1,307.0	1,895	2,225.7 *	17,805	1,329.3	1,671	1,412.8 *	795	1,385.6
70-74	15,735	1,754.7	1,572	2,510.5 *	21,031	1,921.1	1,604	1,696.9 *	681	1,774.5
75-79	19,084	2,729.4	1,321	2,908.0 *	30,253	3,174.7	1,886	2,432.1 *	715	2,669.9
80-84	23,491	4,393.6	1,150	3,736.8 *	44,567	5,319.0	1,955	3,203.5 *	755	4,297.3
85 +	33,992	7,407.9	1,208	4,552.8 *	85,638	8,667.8	3,335	5,084.6 *	1,012	6,398.6

\* 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 INJURIES

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>53,162</b>	<b>1,149.1</b>	<b>31,078</b>	<b>784.2</b>	<b>92,539</b>	<b>1,164.7</b>	<b>293,226</b>	<b>1,156.2</b>	<b>69,540</b>	<b>736.5</b>	<b>169,499</b>	<b>63.9</b>						
< 5	437	173.7	-	317	172.9	-	912	212.5	4,261	266.0	+	682	180.6	-	1,189	170.2	-	
5-9	339	127.5	-	268	146.5	-	765	166.3	3,172	196.6	+	562	111.4	-	1,049	142.7	-	
10-14	740	257.4	+	400	213.4		1,291	257.8	+	4,078	245.9	+	808	168.0	-	1,823	231.9	
15-19	1,920	568.7		1,184	415.4	-	3,320	584.9	+	10,745	584.5	+	2,429	442.6	-	5,048	554.7	
20-24	2,192	701.7	-	1,488	403.3	-	4,148	785.0	+	14,777	816.0	+	3,030	588.7	-	6,876	769.9	+
25-29	2,027	782.1		1,306	644.8	-	3,423	761.1		13,353	790.4	+	2,630	562.2	-	6,403	802.6	+
30-34	1,931	749.7	+	1,081	582.3	-	3,210	718.3		11,627	733.4	+	2,496	499.8	-	5,856	759.7	+
35-39	1,953	728.8		1,046	564.1	-	3,366	709.0		11,824	751.3	+	2,556	587.0	-	5,861	747.0	+
40-44	2,469	814.2		1,254	594.7	-	4,164	762.3		15,038	865.9	+	3,048	548.0	-	7,403	828.7	+
45-49	2,941	889.1		1,595	687.9	-	5,278	885.7	-	19,185	1,038.1	+	3,763	624.3	-	9,273	939.6	+
50-54	3,402	967.8		1,774	715.3	-	5,600	922.6	-	20,717	1,122.2	+	4,171	695.2	-	10,481	983.1	
55-59	3,272	989.5		1,914	825.0	-	5,154	930.2	-	18,918	1,152.6	+	4,032	672.4	-	10,313	1,033.4	+
60-64	3,019	1,062.3	-	1,876	915.7	-	5,416	1,107.5		16,916	1,238.2	+	4,306	844.3	-	9,844	1,157.2	+
65-69	3,271	1,480.6	+	1,947	1,182.2	-	5,198	1,374.4		15,439	1,516.0	+	4,232	1,047.7	-	9,434	1,495.9	+
70-74	3,479	1,948.1		2,153	1,646.6	-	5,675	1,955.9		16,148	2,056.6	+	4,634	1,505.3	-	10,450	2,034.1	+
75-79	4,434	3,038.3		2,625	2,582.1	-	7,497	3,190.2	+	20,820	3,206.7	+	5,771	2,474.1	-	13,934	3,221.0	+
80-84	5,833	4,903.0		3,298	4,146.2	-	10,209	5,301.7	+	27,232	5,139.8	+	7,481	3,949.3	-	19,961	5,291.8	+
85 +	9,503	7,782.0	-	5,552	6,856.1	-	17,913	8,961.0	+	48,976	8,616.6	+	12,909	6,794.7	-	34,301	8,652.2	+

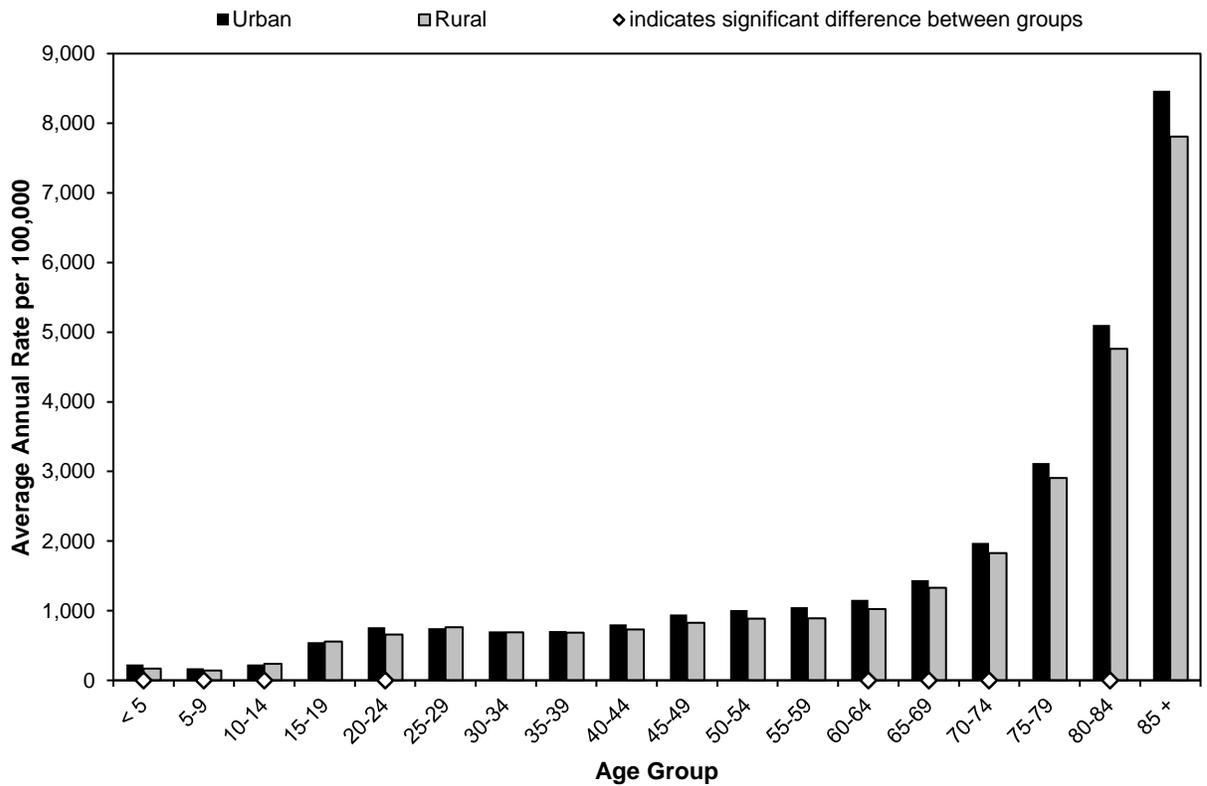
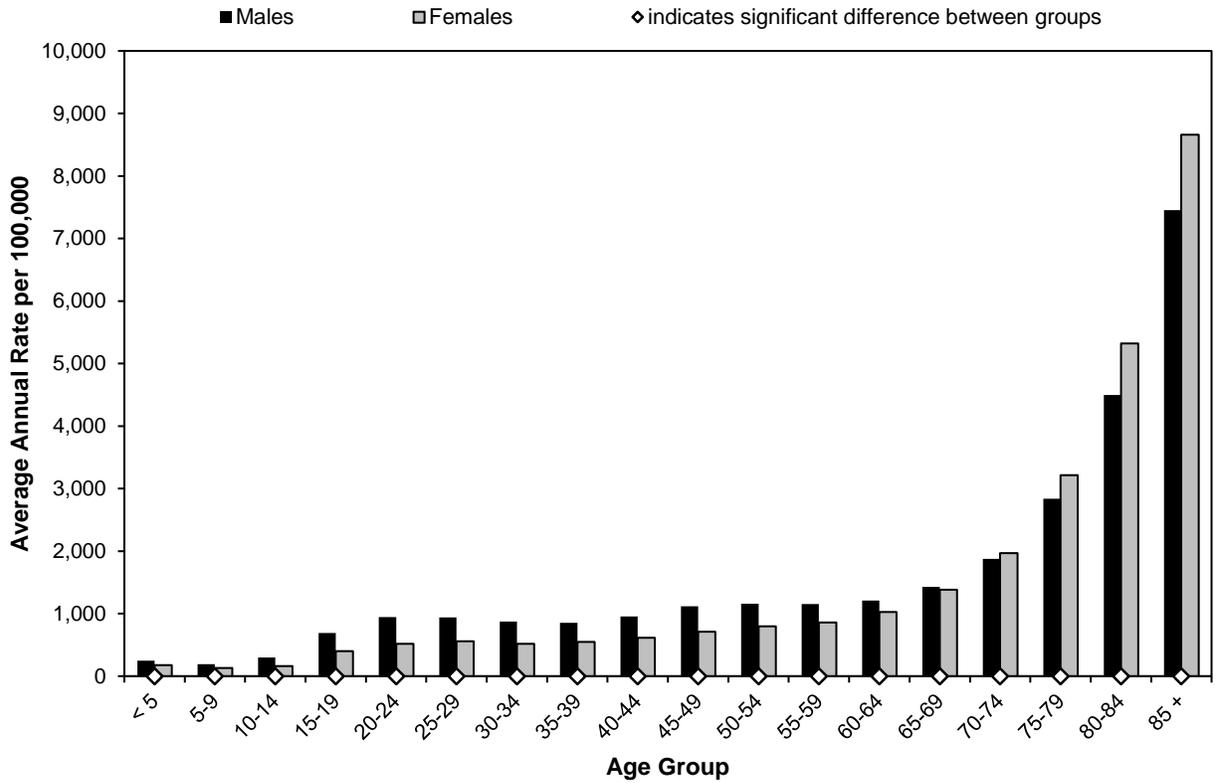
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

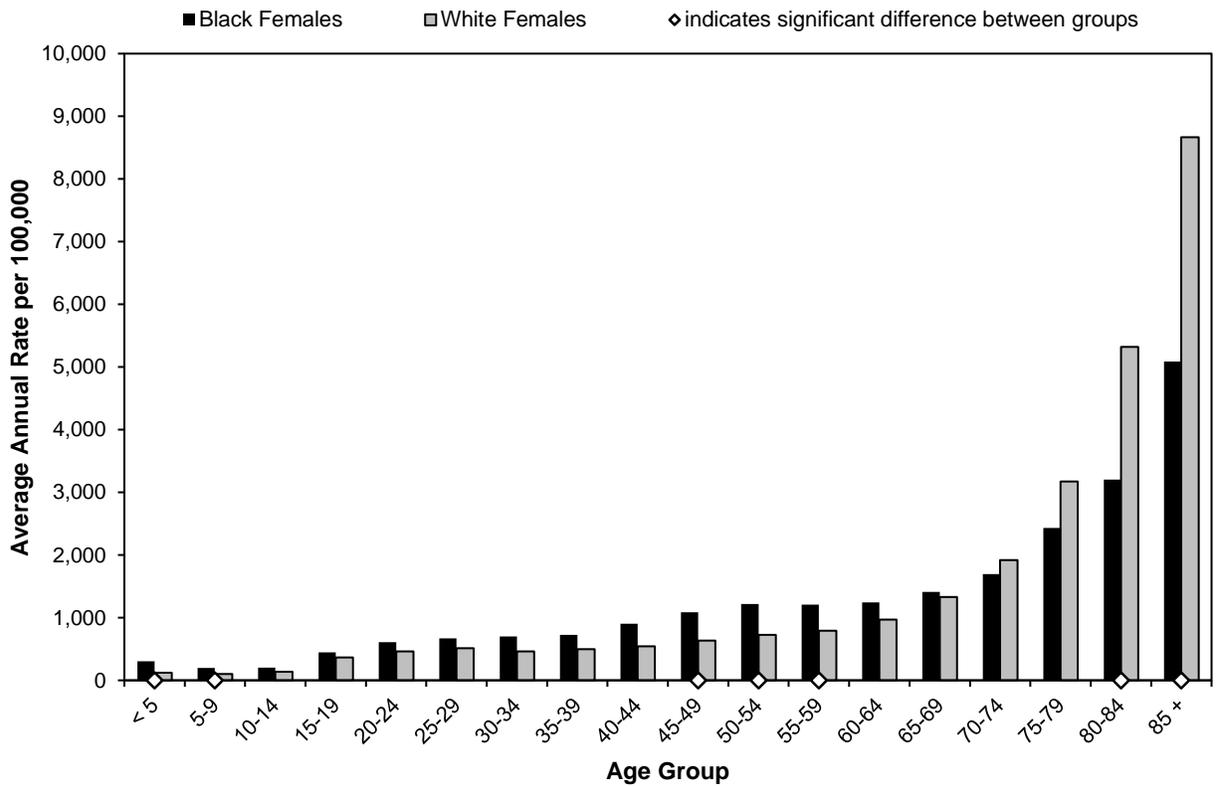
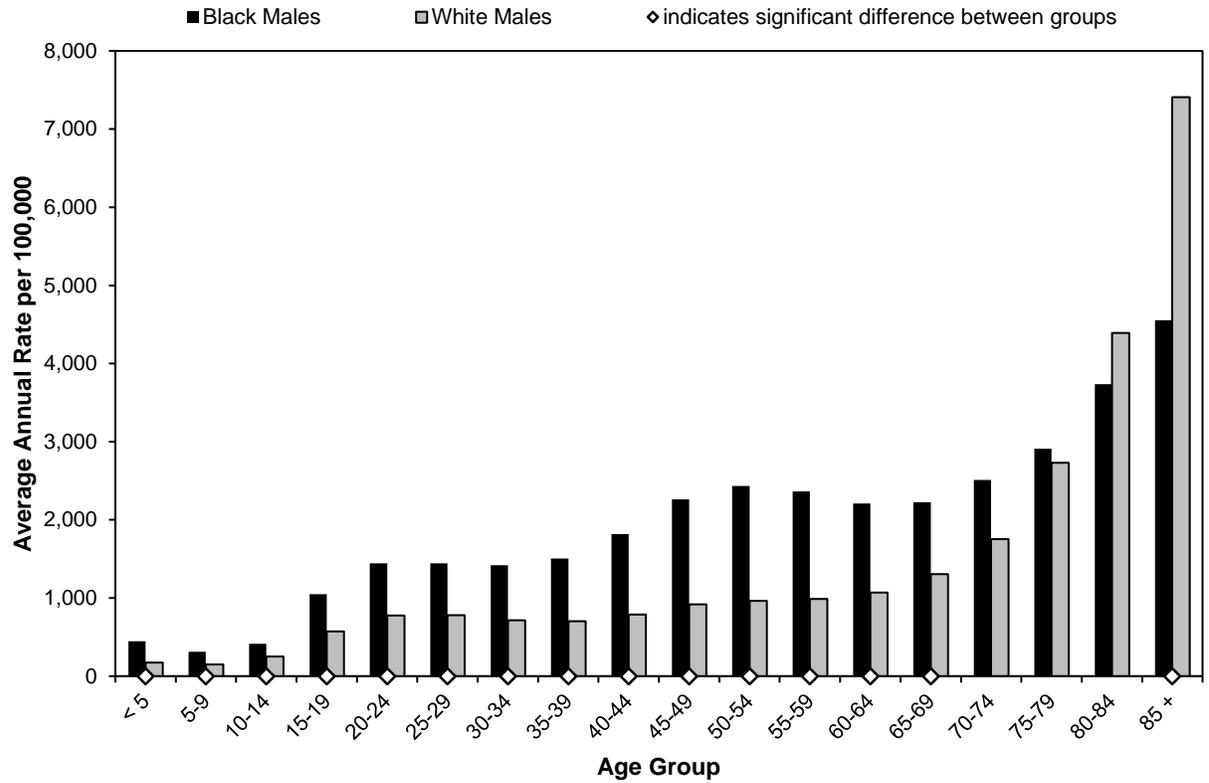
# INJURY HOSPITALIZATIONS: ALL INJURIES

## AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: ALL INJURIES

## AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: ALL INJURIES

## NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

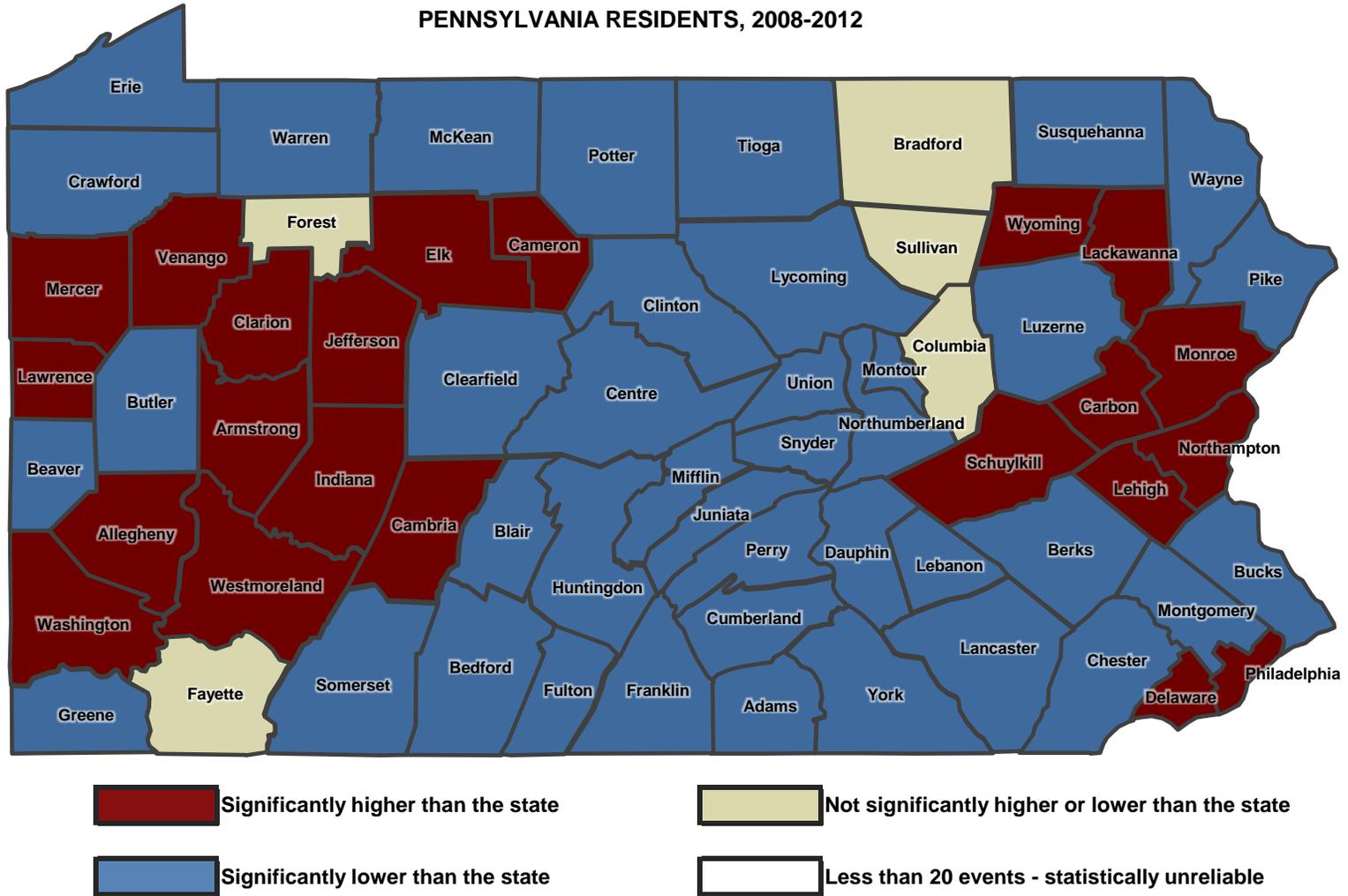
District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	92,539	998.5	992.0-1,004.9	+	<b>Southeast</b>	293,226	1,060.0	1,056.2-1,063.9	+
Carbon	4,850	1,287.0	1,250.8-1,323.3	+	Berks	21,039	923.9	911.4-936.3	-
Lackawanna	13,236	1,008.1	990.9-1,025.2	+	Bucks	33,293	964.3	954.0-974.7	-
Lehigh	19,669	1,005.6	991.6-1,019.7	+	Chester	20,287	776.7	766.0-787.4	-
Luzerne	17,174	855.7	842.9-868.5	-	Delaware	39,681	1,262.6	1,250.2-1,275.0	+
Monroe	8,735	1,029.2	1,007.6-1,050.8	+	Lancaster	21,622	747.4	737.4-757.3	-
Northampton	21,134	1,218.2	1,201.8-1,234.6	+	Montgomery	40,837	878.2	869.7-886.7	-
Pike	1,510	474.7	450.7-498.6	-	Philadelphia	106,108	1,368.5	1,360.3-1,376.8	+
Susquehanna	1,825	742.1	708.1-776.2	-	Schuylkill	10,359	1,172.5	1,149.9-1,195.1	+
Wayne	2,762	904.0	870.3-937.8	-					
Wyoming	1,644	1,055.6	1,004.6-1,106.6	+					
<b>North Central</b>	31,078	784.2	775.5-792.9	-	<b>South Central</b>	69,540	736.5	731.1-742.0	-
Bradford	3,395	972.4	939.7-1,005.1	-	Adams	3,688	641.4	620.7-662.1	-
Centre	5,306	751.3	731.1-771.6	-	Bedford	2,006	688.9	658.7-719.0	-
Clinton	1,691	755.8	719.7-791.8	-	Blair	7,324	954.9	933.0-976.7	-
Columbia	3,600	965.2	933.7-996.8	-	Cumberland	10,214	739.8	725.4-754.1	-
Lycoming	5,551	794.0	773.1-814.9	-	Dauphin	10,296	721.1	707.2-735.0	-
Montour	962	916.9	859.0-974.9	-	Franklin	6,229	716.1	698.3-733.9	-
Northumberland	5,066	892.8	868.2-917.4	-	Fulton	677	820.8	759.0-882.7	-
Potter	703	683.9	633.4-734.5	-	Huntingdon	1,971	762.0	728.4-795.7	-
Snyder	1,333	606.9	574.3-639.5	-	Juniata	962	676.9	634.2-719.7	-
Sullivan	422	1,008.1	912.0-1,104.3	-	Lebanon	4,760	607.4	590.1-624.6	-
Tioga	1,428	595.4	564.5-626.3	-	Mifflin	2,437	890.6	855.3-926.0	-
Union	1,621	643.0	611.7-674.3	-	Perry	2,043	867.2	829.6-904.8	-
					York	16,933	724.4	713.5-735.3	-
<b>Northwest</b>	53,162	973.8	965.5-982.1		<b>Southwest</b>	169,499	1,020.0	1,015.2-1,024.9	+
Cameron	419	1,259.6	1,139.0-1,380.2	+	Allegheny	79,475	1,054.0	1,046.6-1,061.3	+
Clarion	2,356	1,049.1	1,006.8-1,091.5	+	Armstrong	4,850	1,170.7	1,137.7-1,203.6	+
Clearfield	4,563	939.2	912.0-966.5	-	Beaver	9,272	887.9	869.8-905.9	-
Crawford	4,798	950.4	923.5-977.3	-	Butler	9,571	899.8	881.8-917.9	-
Elk	2,067	1,047.6	1,002.4-1,092.8	+	Cambria	10,242	1,131.2	1,109.3-1,153.1	+
Erie	13,212	855.1	840.5-869.7	-	Fayette	8,132	987.9	966.4-1,009.4	
Forest	436	999.2	905.4-1,093.0		Greene	1,481	669.0	634.9-703.1	-
Jefferson	2,958	1,094.2	1,054.8-1,133.6	+	Indiana	5,729	1,144.2	1,114.6-1,173.8	+
Lawrence	6,269	1,098.2	1,071.0-1,125.4	+	Somerset	4,539	927.4	900.4-954.4	-
McKean	2,130	811.6	777.1-846.0	-	Washington	12,713	1,014.3	996.7-1,031.9	+
Mercer	8,603	1,185.0	1,159.9-1,210.0	+	Westmoreland	23,495	1,032.8	1,019.6-1,046.0	+
Venango	3,374	1,045.8	1,010.6-1,081.1	+					
Warren	1,977	791.7	756.8-826.6	-	<b>Pennsylvania</b>	<b>709,044</b>	<b>979.3</b>	<b>977.1-981.6</b>	

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, 2008-2012



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 INJURY HOSPITALIZATIONS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	341,992	366,723	<b>708,715</b>	47,885	301.2	87,910	728.7	102,367	806.1	130,843	1,025.2	340,039	3,455.5
<b>Northeast</b>	43,058	49,336	<b>92,394</b>	6,288	321.2	10,781	756.5	12,808	792.1	16,170	980.0	1,420	3,587.9
Carbon	2,294	2,552	4,846	324	452.3	568	1,026.3	744	1,110.5	841	1,178.3	2,373	4,128.5
Lackawanna	5,793	7,432	13,225	781	311.0	1,385	694.6	1,676	819.5	2,372	1,094.1	7,022	3,706.3
Lehigh	9,330	10,338	19,668	1,526	335.6	2,623	803.2	2,825	797.9	3,316	967.1	9,379	3,566.6
Luzerne	7,417	9,643	17,060	942	260.0	1,770	613.5	2,113	658.1	2,874	877.1	9,475	3,291.6
Monroe	4,411	4,320	8,731	716	315.2	1,114	763.8	1,520	837.3	1,817	1,024.1	3,568	3,303.9
Northampton	10,069	11,063	21,132	1,418	372.4	2,465	911.0	2,790	917.8	3,486	1,152.5	10,975	4,742.1
Pike	754	754	1,508	126	178.8	188	445.0	266	422.2	352	521.1	578	1,203.1
Susquehanna	849	975	1,824	127	258.6	190	578.9	246	598.3	275	548.0	987	2,632.1
Wayne	1,353	1,405	2,758	213	389.2	307	761.8	410	776.2	527	836.2	1,305	2,596.4
Wyoming	788	854	1,642	115	322.0	171	730.6	218	784.9	310	1,011.1	830	3,636.8
<b>Southeast</b>	148,054	145,130	<b>293,184</b>	22,256	331.6	39,757	781.8	46,047	892.7	56,551	1,165.1	128,615	3,621.9
Berks	10,265	10,772	21,037	1,476	263.8	2,405	641.5	3,016	717.3	3,754	950.2	10,388	3,479.4
Bucks	15,921	17,371	33,292	2,331	296.2	3,789	743.0	4,800	696.7	6,183	907.9	16,190	3,521.5
Chester	9,307	10,980	20,287	1,170	169.1	2,152	490.1	2,751	504.8	3,816	763.4	10,398	3,210.4
Delaware	19,382	20,298	39,680	2,825	379.6	5,087	944.5	5,603	1,003.4	7,470	1,359.1	18,696	4,668.5
Lancaster	10,406	11,211	21,617	1,731	241.0	2,618	536.7	2,850	572.2	3,630	747.5	10,793	2,767.1
Montgomery	18,728	22,103	40,831	2,658	264.7	4,160	589.6	4,791	559.7	7,205	897.5	22,023	3,643.2
Philadelphia	59,223	46,883	106,106	9,284	453.7	18,181	956.5	20,662	1,441.5	22,687	1,764.8	35,294	3,758.2
Schuylkill	4,822	5,512	10,334	781	485.0	1,365	1,058.1	1,574	994.9	1,806	1,172.2	4,833	3,586.5

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	341,992	366,723	<b>708,715</b>	47,885	301.2	87,910	728.7	102,367	806.1	130,843	1,025.2	340,039	3,455.5
<b>North Central</b>	14,578	16,386	<b>30,964</b>	2,189	258.0	3,860	513.8	4,041	625.9	5,466	812.5	15,522	2,799.8
Bradford	1,607	1,781	3,388	267	343.9	529	1,068.3	461	747.6	605	906.9	1,533	2,778.7
Centre	2,363	2,929	5,292	319	171.4	746	306.0	698	570.5	899	775.1	2,644	3,050.9
Clinton	790	892	1,682	127	254.2	189	486.7	189	551.9	315	850.7	871	2,744.2
Columbia	1,655	1,932	3,587	257	309.0	434	618.0	522	878.0	666	1,031.0	1,721	3,167.5
Lycoming	2,622	2,906	5,528	349	248.6	575	512.2	670	592.7	989	818.2	2,968	3,060.6
Montour	440	520	960	87	404.8	135	918.7	142	821.3	188	940.3	410	2,430.2
Northumberland	2,383	2,664	5,047	369	348.1	574	729.3	657	700.5	876	875.4	2,590	2,965.2
Potter	344	357	701	49	229.7	79	607.2	96	602.2	121	641.0	358	2,136.5
Snyder	651	679	1,330	106	204.0	155	402.0	162	431.9	232	612.5	678	2,268.4
Sullivan	202	217	419	16	238.3	40	915.5	45	845.9	82	1,102.6	239	3,066.9
Tioga	686	735	1,421	120	226.4	190	518.8	189	506.9	261	598.5	668	1,762.4
Union	835	774	1,609	123	241.8	214	422.3	210	439.5	232	585.0	842	2,555.2
<b>South Central</b>	32,612	36,909	<b>69,521</b>	4,607	218.8	8,227	544.6	9,571	559.5	12,325	722.9	34,810	2,673.2
Adams	1,785	1,903	3,688	240	184.9	395	443.0	481	458.0	635	608.6	1,937	2,437.6
Bedford	924	1,082	2,006	153	259.3	224	575.3	287	568.4	359	676.4	983	2,108.5
Blair	3,374	3,950	7,324	453	296.1	809	721.2	950	781.7	1,386	1,042.4	3,726	3,299.5
Cumberland	4,524	5,690	10,214	541	188.7	1,003	429.1	1,219	520.4	1,729	738.7	5,722	3,092.6
Dauphin	4,943	5,351	10,294	778	229.9	1,404	566.2	1,586	580.2	1,995	717.6	4,533	2,457.2
Franklin	2,790	3,438	6,228	402	206.8	597	459.5	768	523.8	1,049	727.5	3,413	2,729.2
Fulton	320	357	677	50	273.2	76	617.7	100	649.8	113	740.0	338	2,612.9
Huntingdon	979	989	1,968	134	256.6	274	619.7	267	559.5	339	722.9	957	2,543.9
Juniata	450	508	958	55	177.4	108	533.6	102	426.7	159	653.8	538	2,595.4
Lebanon	2,223	2,537	4,760	392	234.5	523	436.1	588	454.5	781	589.1	2,476	2,180.2
Mifflin	1,099	1,332	2,431	153	258.6	284	756.8	337	740.4	429	918.9	1,234	2,841.4
Perry	1,074	969	2,043	188	318.2	292	747.3	330	682.9	409	812.0	824	2,612.1
York	8,127	8,803	16,930	1,068	191.5	2,238	580.6	2,556	544.9	2,942	665.4	8,129	2,632.7

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	341,992	366,723	<b>708,715</b>	47,885	301.2	87,910	728.7	102,367	806.1	130,843	1,025.2	340,039	3,455.5
<b>Northwest</b>	25,166	27,994	<b>53,160</b>	3,436	300.7	6,150	741.8	7,363	816.3	9,693	1,003.0	26,520	3,371.8
Cameron	202	217	419	16	286.5	42	1,183.1	57	1,218.5	70	1,109.4	234	4,381.2
Clarion	1,191	1,165	2,356	145	290.6	285	702.4	298	835.4	435	1,104.8	1,193	3,551.0
Clearfield	2,238	2,324	4,562	334	375.5	527	730.7	694	778.9	843	973.4	2,165	2,977.5
Crawford	2,273	2,525	4,798	315	276.2	589	779.1	626	742.6	933	992.1	2,335	3,152.9
Elk	991	1,076	2,067	144	394.3	225	980.1	260	761.5	349	981.8	1,089	3,586.6
Erie	6,346	6,866	13,212	924	250.8	1,869	661.2	2,131	793.4	2,378	859.5	5,910	2,878.6
Forest	229	207	436	22	389.4	37	376.6	54	753.3	108	1,491.5	215	3,213.8
Jefferson	1,465	1,493	2,958	206	382.1	324	863.6	406	926.7	474	985.3	1,548	3,745.3
Lawrence	2,841	3,427	6,268	362	331.2	631	857.3	776	897.0	1,116	1,145.6	3,384	3,976.1
McKean	943	1,187	2,130	119	226.3	242	628.2	248	557.6	350	797.2	1,171	3,161.3
Mercer	3,862	4,741	8,603	474	327.2	824	844.7	1,126	1,015.5	1,546	1,277.6	4,633	4,333.6
Venango	1,638	1,736	3,374	231	352.8	351	815.2	457	876.0	667	1,064.8	1,668	3,389.8
Warren	947	1,030	1,977	144	304.1	204	646.5	230	568.2	424	892.1	975	2,509.3
<b>Southwest</b>	78,524	90,968	<b>169,492</b>	9,109	291.0	19,135	777.3	22,537	845.7	30,638	1,051.1	88,080	3,747.1
Allegheny	36,564	42,910	79,474	4,013	284.1	8,684	719.1	10,263	866.9	14,812	1,154.3	41,703	4,063.7
Armstrong	2,330	2,520	4,850	316	396.3	561	1,064.8	665	961.7	794	1,031.0	2,514	3,929.8
Beaver	4,246	5,026	9,272	533	272.6	1,136	802.6	1,301	772.1	1,624	849.9	4,678	2,947.3
Butler	4,613	4,958	9,571	635	268.8	1,011	649.5	1,255	645.5	1,617	833.6	5,053	3,585.1
Cambria	4,674	5,568	10,242	584	360.0	1,201	965.5	1,283	928.0	1,805	1,149.2	5,369	3,966.3
Fayette	3,911	4,219	8,130	470	298.3	1,143	982.4	1,285	909.5	1,534	987.6	3,700	2,974.6
Greene	682	798	1,480	85	193.5	199	532.4	225	557.0	268	633.6	704	2,346.9
Indiana	2,678	3,051	5,729	344	307.1	658	688.2	722	949.4	963	1,103.1	3,042	4,324.3
Somerset	2,229	2,309	4,538	265	322.4	482	726.4	590	736.8	760	897.1	2,442	3,337.2
Washington	5,910	6,803	12,713	719	294.8	1,412	796.9	1,833	889.5	2,316	1,013.2	6,433	3,516.9
Westmoreland	10,687	12,806	23,493	1,145	283.1	2,648	922.8	3,115	849.6	4,145	1,000.7	12,442	3,610.7

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 HOSPITALIZATIONS: ALL INJURIES

**NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),  
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012**

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	10,709	1,333.4	1,308.2-1,358.7	Allegheny	66,350	993.1	985.5-1,000.6	Berks	1,707	798.6	760.7-836.5
Chester	1,241	850.8	803.5-898.2	Chester	18,026	757.5	746.4-768.6	Lancaster	547	385.0	352.7-417.2
Dauphin	1,665	742.9	707.3-778.6	Dauphin	7,928	673.3	658.5-688.1	Lehigh	1,440	608.4	577.0-639.8
Delaware	6,514	1,320.3	1,288.2-1,352.3	Delaware	31,334	1,225.0	1,211.5-1,238.6	Philadelphia	6,600	863	842.0-883.7
Montgomery	3,269	965.4	932.3-998.5	Montgomery	34,343	838.1	829.2-846.9				
Philadelphia	48,160	1,453.5	1,440.5-1,466.5	Philadelphia	44,286	1,106.3	1,096.0-1,116.6				
Pennsylvania	82,200	1,240.9	1232.4-1249.4	Pennsylvania	574,727	889.0	886.7-891.3	Pennsylvania	18,902	793.6	782.3-804.9

**NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES  
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012**

Select Counties	Pct.	Sex		Total	Pct.	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.
Allegheny	Black	13.4%	6189.0	4,519	<b>10,708</b>	13.5%	1,435	542.5	2,233	1,273.6	2,143	1,433.3	2,488	1,771.9	2,410	2,667.6
	White	82.1%	28,974	37,376	<b>66,350</b>	83.5%	2,352	224.7	5,943	624.1	7,755	789.2	11,893	1,066.0	38,407	4,171.6
Chester	Black	6.3%	690	551	<b>1,241</b>	6.1%	102	205.7	237	666.2	269	904.8	266	1,034.1	367	2,314.4
	White	87.9%	8,022	10,004	<b>18,026</b>	88.9%	938	159.8	1,680	450.2	2,256	471.9	3,385	738.0	9,767	3,249.2
Dauphin	Black	18.3%	980	685	<b>1,665</b>	16.2%	237	289.5	353	718.7	383	791.1	379	930.8	313	1,472.9
	White	75.3%	3,545	4,381	<b>7,926</b>	77.0%	434	196.4	855	476.1	1,028	494.7	1,517	667.0	4,094	2,571.6
Delaware	Black	19.6%	3,797	2,717	<b>6,514</b>	16.4%	973	526.8	1,397	1,080.6	1,416	1,263.9	1,384	1,722.4	1,344	3,214.6
	White	73.7%	14,536	16,797	<b>31,333</b>	79.0%	1,612	326.6	3,360	911.5	3,830	946.6	5,739	1,294.5	16,793	4,845.9
Montgomery	Black	8.9%	1,894	1,375	<b>3,269</b>	8.0%	320	311.6	594	789.5	599	750.6	802	1,312.8	954	2,705.2
	White	82.7%	15,167	19,171	<b>34,338</b>	84.1%	1,897	240.1	3,037	545.6	3,690	529.5	5,875	844.0	19,844	3,632.5
Philadelphia	Black	44.8%	29,161	18,999	<b>48,160</b>	45.4%	5,191	490.9	9,144	1,210.7	11,546	1,764.6	11,860	2,058.2	10,419	2,837.9
	White	45.0%	21,495	22,789	<b>44,284</b>	41.7%	1,544	207.0	5,554	607.8	6,318	995.2	8,668	1,426.9	22,202	4,238.7
Pennsylvania	Black	11.0%	49,184	33,005	<b>82,189</b>	11.6%	9,776	439.6	16,582	1,043.5	18,809	1,364.7	19,436	1,733.9	17,597	2,636.4
	White	84.1%	263,223	311,209	<b>574,432</b>	81.1%	30,996	247.5	60,379	622.3	73,633	688.1	102,551	910.8	307,168	3,417.3

## INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

In 2012, among Pennsylvania residents, there were 63,386 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; and
- 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 **decreased** from 2008 to 2012.
- Most common demographic is **white females**, 80 and older.
- Of all Pennsylvania counties, **Northampton** and **Delaware** had the highest age-adjusted rates.

### Trends Over Time

- Age-adjusted hospitalization rates for unintentional falls decreased by 15 percent from 452.9 hospitalizations per 100,000 population in 2008 to 387.0 hospitalizations per 100,000 population in 2012.
- Females had higher age-adjusted falls hospitalization rates than males from 2008 to 2012.
- White females had higher age-adjusted falls hospitalization rates than black females, while black males had higher age-adjusted falls hospitalization rates than white males during the 2008 to 2012 period.

### Demographic Trends

- Males had significantly higher falls hospitalization rates for ages less than 60, while females had significantly higher rates for ages 60 and older.
- Among males, blacks had significantly higher falls hospitalization rates for ages less than 75, while whites had significantly higher rates for ages 75 and older.
- Among females, blacks had significantly higher falls hospitalization rates for ages less than 60, while whites had significantly higher rates for ages 65 and older.

### Regional Trends

- The Southwest Health District had the highest age-adjusted falls hospitalization rate, while the South Central and North Central Health Districts had the lowest rates.
- Seventeen counties had age-adjusted falls hospitalization rates for 2008-2012 that were significantly higher than the comparable state rate. Eight were urban while nine were rural.

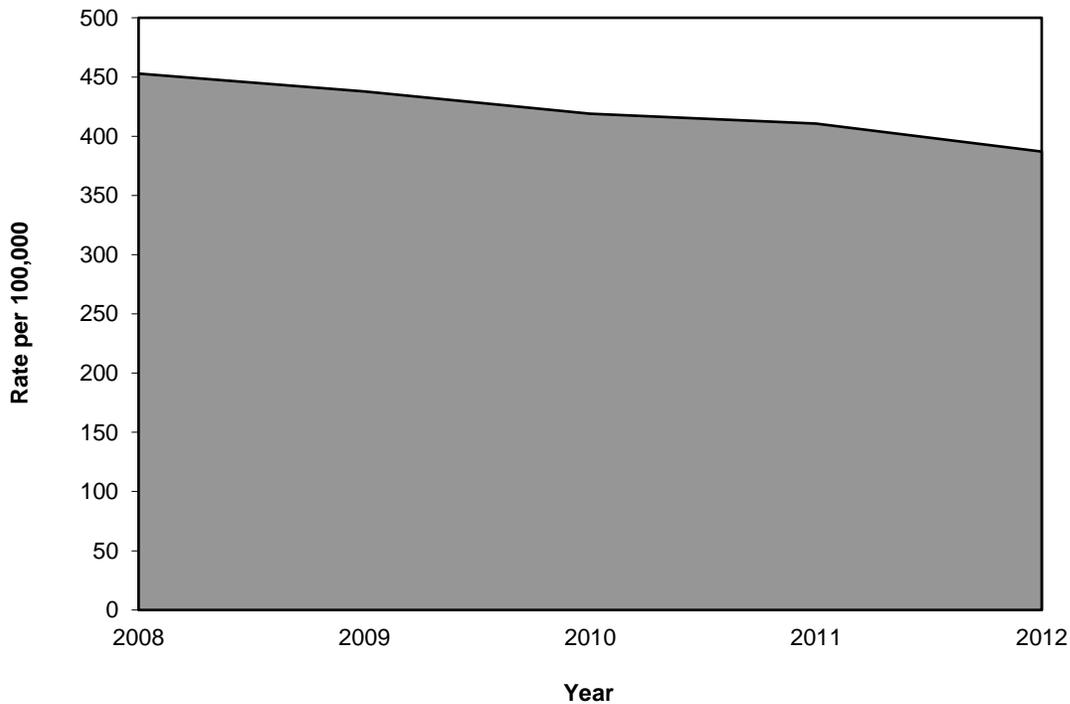
# INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	69,036	452.9
2009	69,050	437.7
2010	67,061	419.0
2011	66,655	410.7
2012	63,386	387.0

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## AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	446.3	350.3	486.0	471.4	349.6	484.7
2009	412.5	337.0	439.9	471.0	353.3	460.9
2010	400.5	324.7	416.1	450.0	315.5	456.5
2011	377.9	320.7	425.0	435.3	317.5	447.3
2012	362.4	318.9	404.2	402.3	316.5	417.1

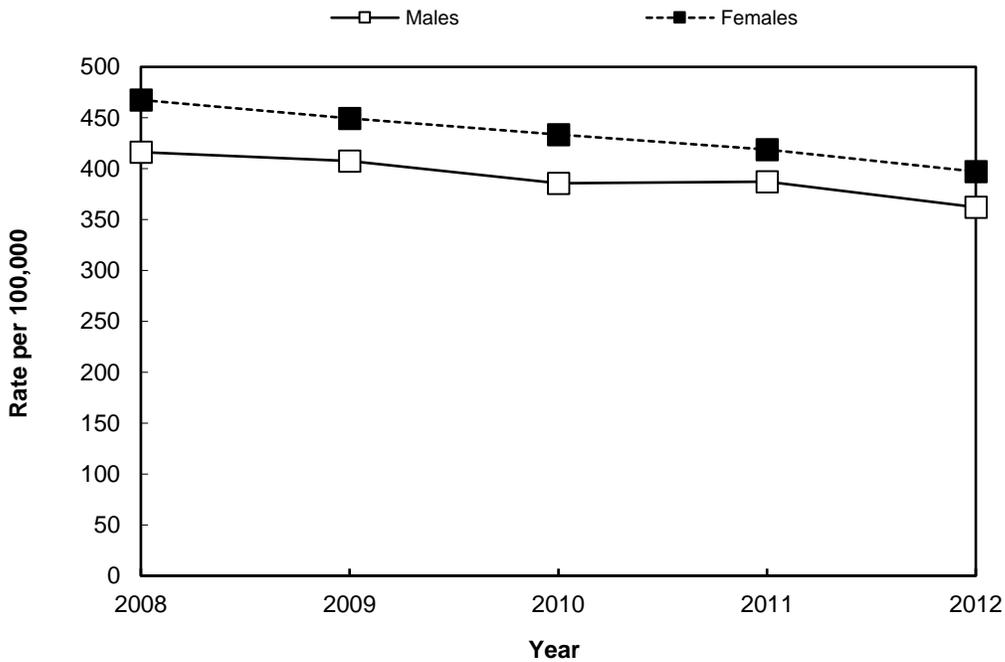
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-9 codes. See Technical Notes.

# INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	25,779	387.3	2011	40,854	418.9
2012	24,366	362.2	2012	38,992	397.2



## AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

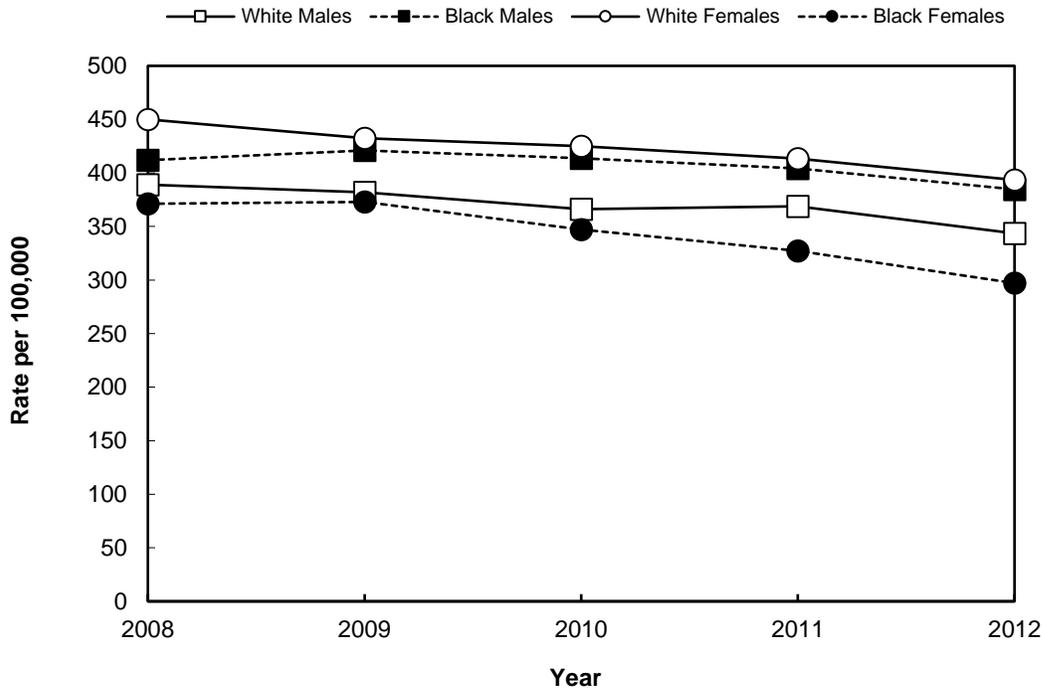
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	432.0	377.6	2008	476.8	443.5
2009	426.6	360.9	2009	461.9	416.6
2010	404.3	340.7	2010	444.9	403.0
2011	409.0	334.7	2011	430.5	388.7
2012	381.0	316.0	2012	406.1	373.6

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 INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	22,159	2,213	36,887	2,410	416	402
2012	20,815	2,150	35,262	2,228	385	366



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	369.0	404.2	413.4	327.3	217.6	220.1
2012	343.6	384.7	393.4	297.1	175.6	180.2

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 HOSPITALIZATIONS: UNINTENTIONAL FALLS

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>335,188</b>	<b>529.8</b>	<b>126,988</b>	<b>412.1</b>	<b>208,115</b>	<b>641.4</b>		<b>247,137</b>	<b>537.1</b>	<b>88,051</b>	<b>510.4</b>	
< 5	2,250	61.5	1,381	73.8	862	48.2	*	1,823	66.3	427	47.1	*
5-9	2,131	56.5	1,261	65.5	866	47.0	*	1,680	60.0	451	46.5	*
10-14	2,096	53.0	1,435	71.0	660	34.2	*	1,620	55.6	476	45.8	*
15-19	2,775	61.4	1,920	83.7	853	38.3	*	2,121	64.9	654	52.3	*
20-24	3,329	75.0	2,049	91.1	1,279	58.4	*	2,595	81.0	734	59.5	*
25-29	3,599	92.7	2,172	110.3	1,426	74.5	*	2,837	96.2	762	81.6	*
30-34	3,926	104.9	2,273	120.9	1,651	88.6	*	3,035	108.7	891	93.8	*
35-39	4,663	122.4	2,709	142.8	1,952	102.1	*	3,616	129.2	1,047	103.5	*
40-44	6,844	160.1	3,969	187.3	2,871	133.2	*	5,201	166.6	1,643	142.6	*
45-49	10,547	228.6	6,121	269.2	4,420	188.9	*	8,176	243.5	2,371	188.7	*
50-54	14,633	308.8	7,816	336.2	6,815	282.4	*	11,029	321.8	3,604	274.9	*
55-59	17,193	396.9	8,539	404.7	8,649	389.4	*	12,886	415.6	4,307	349.9	*
60-64	19,602	530.8	8,952	505.1	10,642	554.1	*	14,424	551.8	5,178	479.9	*
65-69	21,195	757.8	8,966	688.2	12,226	818.4	*	15,247	782.1	5,948	701.9	*
70-74	25,665	1,168.7	10,024	1,021.2	15,637	1,287.5	*	18,441	1,209.8	7,224	1,075.3	*
75-79	37,428	2,072.0	13,158	1,734.4	24,263	2,315.8	*	26,971	2,129.1	10,457	1,937.9	*
80-84	54,759	3,688.9	17,382	3,030.3	37,364	4,102.1	*	39,807	3,775.6	14,952	3,476.2	*
85 +	102,553	6,587.4	26,861	5,462.6	75,679	7,105.4	*	75,628	6,753.0	26,925	6,162.7	*

\* 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: UNINTENTIONAL FALLS

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>107,931</b>	<b>415.8</b>	<b>10,755</b>	<b>322.9</b>	<b>185,803</b>	<b>682.6</b>	<b>12,317</b>	<b>337.6</b>	<b>5,414</b>	<b>155.0</b>
< 5	801	55.4	284	106.2	494	35.9	189	72.6	232	59.8
5-9	822	54.3	217	82.5	572	39.7	124	48.6	165	46.8
10-14	1,012	62.9	243	87.1	472	30.8	101	37.8	105	32.1
15-19	1,440	78.7	266	82.5	591	33.2	161	52.1	115	33.6
20-24	1,466	81.5	327	104.8	828	47.5	279	90.4	177	55.5
25-29	1,591	99.7	320	127.8	973	63.5	292	114.9	185	63.8
30-34	1,636	106.6	312	138.6	1,157	77.2	312	130.7	220	80.3
35-39	1,976	125.6	425	201.8	1,440	92.0	318	138.9	223	88.4
40-44	2,993	166.7	576	260.3	2,153	119.3	485	198.4	243	106.0
45-49	4,601	234.2	971	436.6	3,405	170.6	678	270.7	332	164.0
50-54	6,151	301.0	1,076	518.7	5,547	265.2	879	364.2	347	221.8
55-59	6,841	364.0	1,118	655.7	7,215	370.4	944	458.2	306	259.3
60-64	7,374	462.0	1,037	803.9	9,079	533.8	944	566.8	337	401.9
65-69	7,593	640.2	803	943.1	10,764	803.6	814	688.2	371	646.6
70-74	8,685	968.5	760	1,213.7	14,004	1,279.2	869	919.3	369	961.5
75-79	11,820	1,690.5	693	1,525.5	21,996	2,308.2	1,180	1,521.7	436	1,628.1
80-84	15,994	2,991.4	631	2,050.4	34,574	4,126.3	1,327	2,174.4	482	2,743.5
85 +	25,135	5,477.7	696	2,623.1	70,539	7,139.6	2,421	3,691.1	769	4,862.2

\* 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. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

## INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>24,844</b>	<b>537.0</b>	<b>14,383</b>	<b>330.0</b>	<b>44,737</b>	<b>563.1</b>	<b>131,143</b>	<b>517.1</b>	<b>34,015</b>	<b>329.9</b>	<b>86,066</b>	<b>63.9</b>						
< 5	108	42.9	-	91	49.9	-	276	64.3	1,219	76.1	+	191	37.8	-	347	49.7	-	
5-9	106	39.9	-	97	51.1	-	284	61.7	1,138	70.5	+	170	32.2	-	334	45.4	-	
10-14	130	45.2	-	64	32.9	-	311	62.1	+	1,016	61.3	+	163	30.0	-	416	52.9	
15-19	190	56.3	-	99	34.0	-	424	74.7	+	1,265	68.8	+	252	44.1	-	532	58.5	
20-24	207	66.3	-	130	36.3	-	377	71.3	-	1,586	87.6	+	298	56.7	-	718	80.4	
25-29	204	78.7	-	134	65.0	-	422	93.8	-	1,658	98.1	-	290	57.0	-	877	109.9	+
30-34	244	94.7	-	140	71.9	-	476	106.5	-	1,768	111.5	+	369	73.6	-	950	123.2	+
35-39	294	109.7	-	165	84.9	-	574	120.9	-	2,087	132.6	+	447	87.7	-	1,086	138.4	+
40-44	460	151.7	-	206	97.7	-	853	156.2	-	3,002	172.9	+	604	104.2	-	1,675	187.5	+
45-49	701	211.9	-	317	138.4	-	1,286	215.8	-	4,679	253.2	+	901	146.1	-	2,616	265.1	+
50-54	1,051	299.0	-	530	218.0	-	1,728	284.7	-	6,249	338.5	+	1,351	212.6	-	3,684	345.6	+
55-59	1,290	390.1	-	695	300.0	-	2,050	370.0	-	7,211	439.3	+	1,607	269.1	-	4,380	438.9	+
60-64	1,419	499.3	-	870	420.0	-	2,574	526.4	-	7,768	568.6	+	2,056	394.3	-	5,002	588.0	+
65-69	1,724	780.4	-	1,028	621.7	-	2,847	752.8	-	8,137	799.0	+	2,286	563.6	-	5,249	832.3	+
70-74	2,007	1,123.8	-	1,250	976.4	-	3,452	1,189.7	-	9,571	1,219.0	+	2,957	959.7	-	6,551	1,275.2	+
75-79	2,957	2,026.2	-	1,754	1,698.8	-	5,076	2,160.0	+	14,082	2,168.9	+	3,914	1,613.7	-	9,507	2,197.6	+
80-84	4,242	3,565.6	-	2,405	2,986.3	-	7,496	3,892.8	+	19,943	3,764.1	+	5,683	2,996.9	-	14,767	3,914.8	+
85 +	7,510	6,149.9	-	4,408	5,286.8	-	14,231	7,119.1	+	38,764	6,819.9	+	10,476	5,388.4	-	27,375	6,905.2	+

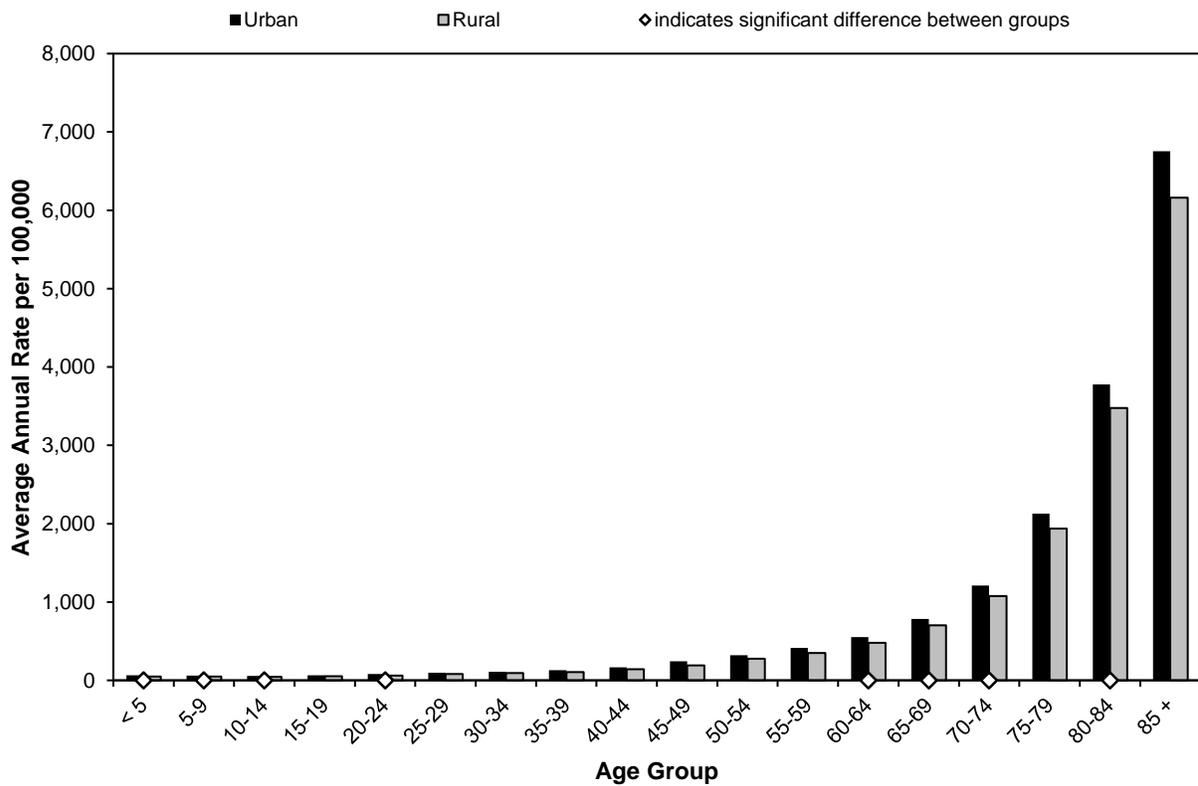
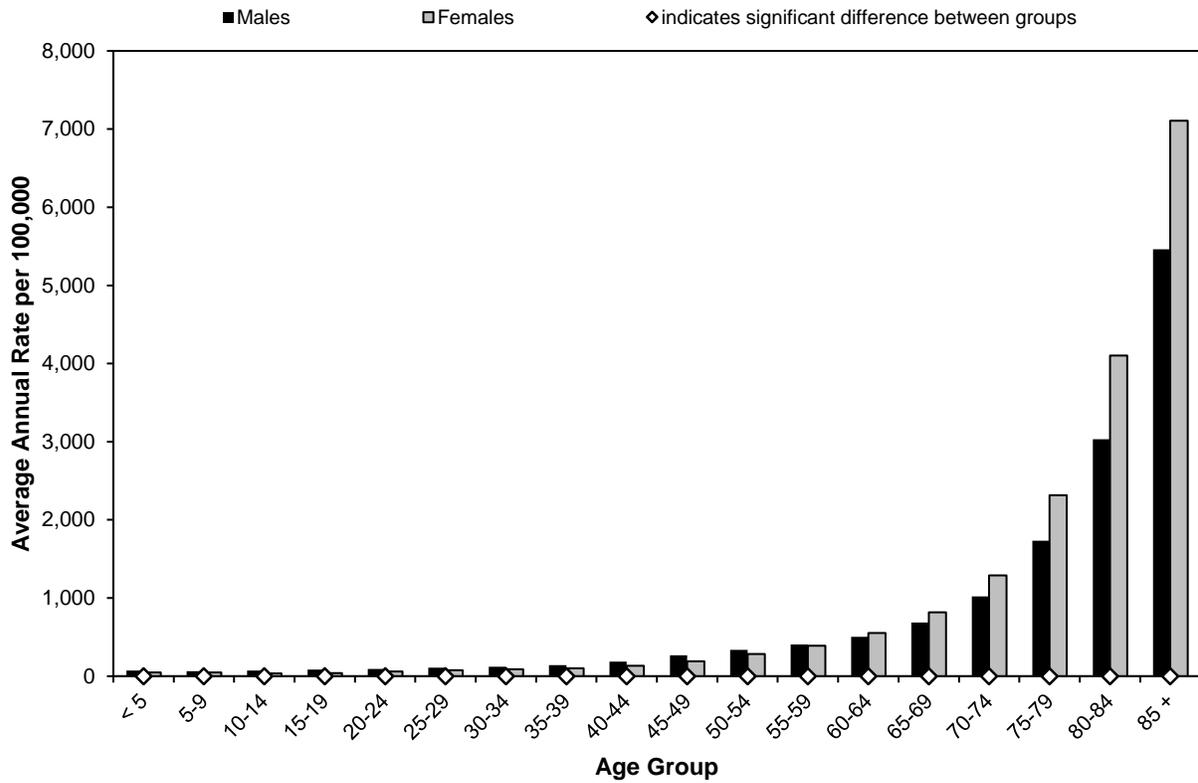
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

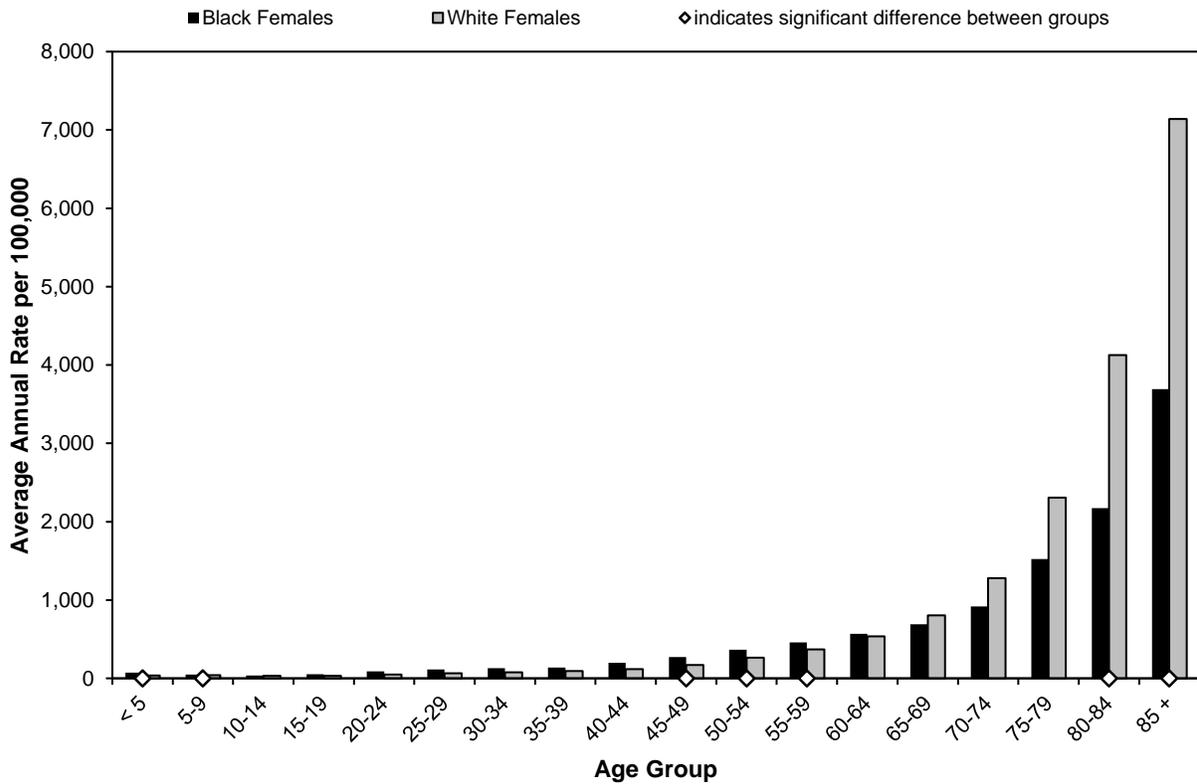
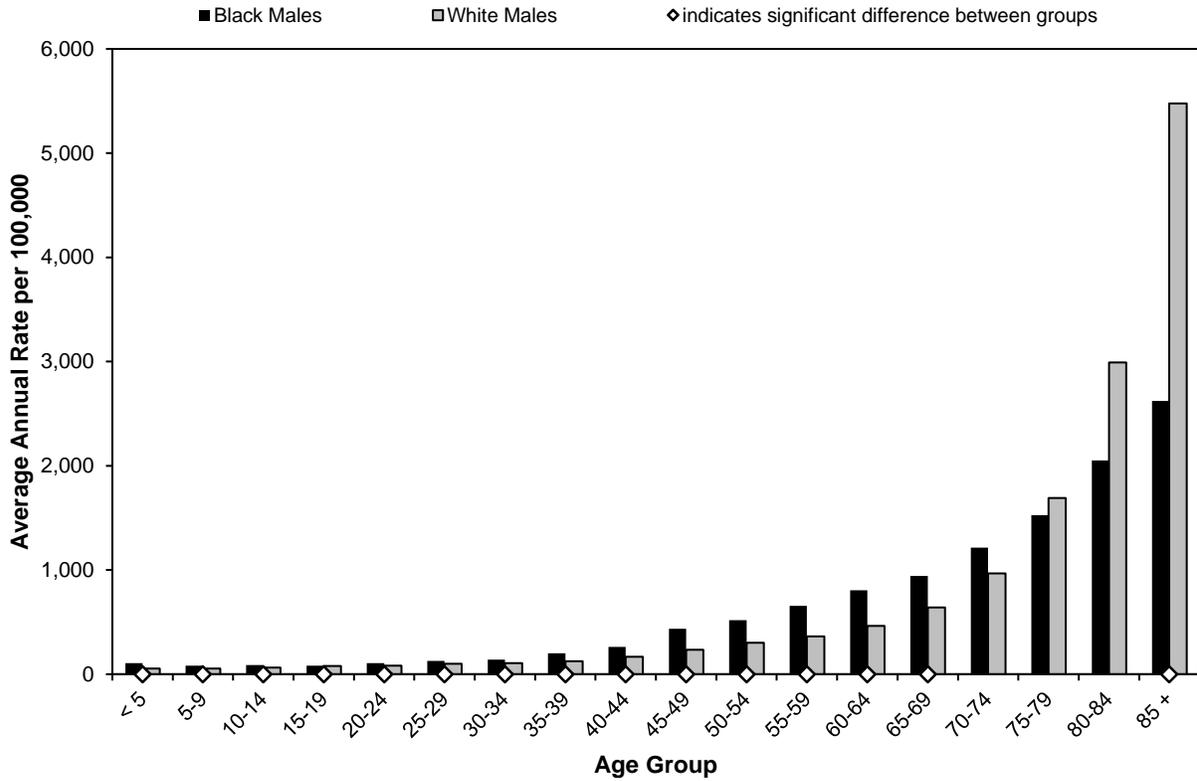
# INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

## AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

## AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

## NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

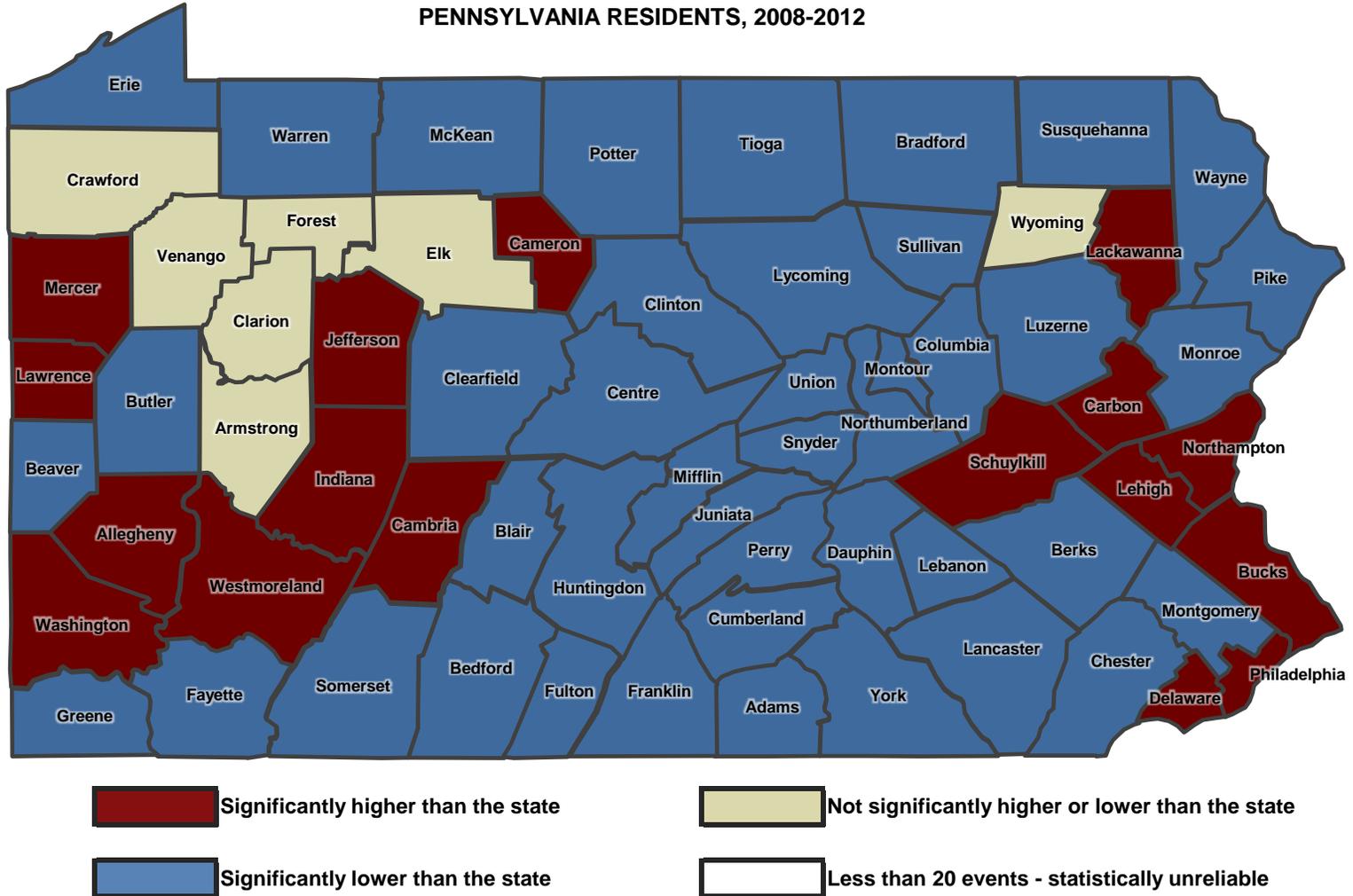
District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	44,737	433.3	429.3-437.3	+	<b>Southeast</b>	131,143	445.2	442.8-447.6	+
Carbon	1,976	462.7	442.3-483.2	+	Berks	10,009	407.4	399.4-415.4	-
Lackawanna	6,854	456.4	445.6-467.2	+	Bucks	16,107	434.2	427.5-440.9	+
Lehigh	9,574	444.3	435.4-453.2	+	Chester	10,076	378.4	371.0-385.7	-
Luzerne	9,155	396.7	388.6-404.9	-	Delaware	18,427	541.0	533.2-548.8	+
Monroe	3,278	393.0	379.5-406.4	-	Lancaster	10,777	340.5	334.0-346.9	-
Northampton	10,350	539.3	528.9-549.7	+	Montgomery	20,952	413.3	407.7-418.9	-
Pike	591	171.1	157.3-184.9	-	Philadelphia	39,999	504.8	499.8-509.7	+
Susquehanna	941	334.0	312.7-355.4	-	Schuylkill	4,796	447.6	435.0-460.3	+
Wayne	1,262	356.8	337.1-376.5	-					
Wyoming	756	450.2	418.1-482.3						
<b>North Central</b>	14,383	330.0	324.6-335.3	-	<b>South Central</b>	34,015	329.9	326.4-333.4	-
Bradford	1,532	373.6	354.9-392.3	-	Adams	1,787	288.2	274.8-301.6	-
Centre	2,585	366.8	352.6-380.9	-	Bedford	924	267.7	250.4-284.9	-
Clinton	766	306.1	284.4-327.8	-	Blair	3,454	387.4	374.5-400.3	-
Columbia	1,602	383.2	364.4-401.9	-	Cumberland	5,332	357.8	348.2-367.4	-
Lycoming	2,653	342.3	329.2-355.3	-	Dauphin	4,818	316.3	307.3-325.2	-
Montour	405	314.0	283.4-344.5	-	Franklin	3,182	327.9	316.5-339.3	-
Northumberland	2,324	341.5	327.6-355.4	-	Fulton	312	338.1	300.6-375.6	-
Potter	354	278.9	249.9-308.0	-	Huntingdon	865	308.8	288.2-329.3	-
Snyder	608	256.1	235.7-276.5	-	Juniata	502	315.3	287.7-342.9	-
Sullivan	199	364.6	313.9-415.2	-	Lebanon	2,417	268.5	257.8-279.2	-
Tioga	647	234.8	216.7-252.9	-	Mifflin	1,268	395.9	374.2-417.7	-
Union	708	261.4	242.2-280.7	-	Perry	827	340.3	317.1-363.5	-
					York	8,327	336.1	328.9-343.3	-
<b>Northwest</b>	24,844	399.2	394.2-404.1	-	<b>Southwest</b>	86,066	452.7	449.7-455.7	+
Cameron	203	495.2	427.1-563.3	+	Allegheny	41,159	485.6	481.0-490.3	+
Clarion	1,058	427.5	401.7-453.3		Armstrong	2,113	426.3	408.1-444.5	
Clearfield	2,103	376.8	360.7-392.9	-	Beaver	4,787	384.5	373.6-395.4	-
Crawford	2,331	410.8	394.1-427.5		Butler	4,710	404.4	392.9-416.0	-
Elk	955	400.1	374.7-425.5		Cambria	5,251	478.5	465.5-491.4	+
Erie	5,856	346.8	338.0-355.7	-	Fayette	3,757	383.9	371.7-396.2	-
Forest	196	421.9	362.8-481.0		Greene	666	274.2	253.3-295.0	-
Jefferson	1,461	465.7	441.8-489.6	+	Indiana	2,609	465.9	448.0-483.7	+
Lawrence	3,166	459.6	443.6-475.6	+	Somerset	2,343	399.7	383.5-415.9	-
McKean	1,026	345.7	324.6-366.9	-	Washington	6,510	453.3	442.3-464.3	+
Mercer	3,959	461.5	447.1-475.9	+	Westmoreland	12,161	451.4	443.3-459.4	+
Venango	1,572	418.7	398.0-439.4						
Warren	958	324.0	303.5-344.5	-	<b>Pennsylvania</b>	<b>335,188</b>	<b>420.8</b>	<b>419.3-422.2</b>	

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

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY,  
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE  
PENNSYLVANIA RESIDENTS, 2008-2012



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 INJURY HOSPITALIZATIONS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	126,988	208,115	<b>335,103</b>	9,270	58.3	10,900	90.4	22,177	174.6	51,587	404.2	241,254	2,451.6
<b>Northeast</b>	16,526	28,182	<b>44,708</b>	1,295	66.1	1,275	89.5	2,713	167.8	6,352	385.0	1,420	2,554.5
Carbon	753	1,223	1,976	56	78.2	53	95.8	142	211.9	307	430.1	1,418	2,467.0
Lackawanna	2,313	4,538	6,851	182	72.5	212	106.3	401	196.1	999	460.8	5,060	2,670.7
Lehigh	3,700	5,874	9,574	313	68.8	302	92.5	557	157.3	1,300	379.1	7,102	2,700.7
Luzerne	3,015	6,116	9,131	174	48.0	212	73.5	507	157.9	1,279	390.3	6,983	2,425.9
Monroe	1,389	1,889	3,278	143	63.0	112	76.8	268	147.6	575	324.1	2,180	2,018.6
Northampton	4,001	6,349	10,350	313	82.2	296	109.4	608	200.0	1,315	434.7	7,818	3,378.0
Pike	264	327	591	32	45.4	21	49.7	53	84.1	124	183.6	361	751.4
Susquehanna	337	604	941	30	61.1	20	60.9	51	124.0	125	249.1	715	1,906.7
Wayne	483	777	1,260	38	69.4	35	86.8	82	155.2	209	331.6	898	1,786.7
Wyoming	271	485	756	14	39.2	12	51.3	44	158.4	119	388.1	567	2,484.4
<b>Southeast</b>	51,622	79,508	<b>131,130</b>	4,638	69.1	5,012	98.6	9,768	189.4	21,228	437.4	90,497	2,548.4
Berks	3,921	6,088	10,009	290	51.8	288	76.8	623	148.2	1,398	353.9	7,410	2,482.0
Bucks	6,290	9,816	16,106	560	71.1	457	89.6	1,060	153.8	2,535	372.2	11,495	2,500.3
Chester	3,722	6,354	10,076	255	36.9	293	66.7	663	121.7	1,601	320.3	7,264	2,242.8
Delaware	7,152	11,275	18,427	568	76.3	590	109.5	1,275	228.3	2,936	534.2	13,058	3,260.7
Lancaster	4,037	6,740	10,777	384	53.5	325	66.6	602	120.9	1,386	285.4	8,080	2,071.6
Montgomery	7,802	13,148	20,950	727	72.4	572	81.1	1,147	134.0	2,827	352.2	15,679	2,593.7
Philadelphia	16,984	23,015	39,999	1,765	86.3	2,349	123.6	4,120	287.4	7,788	605.8	23,977	2,553.1
Schuylkill	1,714	3,072	4,786	89	55.3	138	107.0	278	175.7	757	491.3	3,534	2,622.5

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	126,988	208,115	<b>335,103</b>	9,270	58.3	10,900	90.4	22,177	174.6	51,587	404.2	241,254	2,451.6
<b>North Central</b>	5,382	8,965	<b>14,347</b>	362	42.7	431	57.4	782	121.1	2,177	323.6	10,631	1,917.6
Bradford	560	970	1,530	47	60.5	49	99.0	86	139.5	239	358.2	1,111	2,013.8
Centre	955	1,626	2,581	55	29.6	90	36.9	129	105.4	365	314.7	1,946	2,245.5
Clinton	282	479	761	15	30.0	21	54.1	26	75.9	116	313.3	588	1,852.6
Columbia	583	1,015	1,598	33	39.7	51	72.6	94	158.1	252	390.1	1,172	2,157.1
Lycoming	980	1,669	2,649	73	52.0	73	65.0	126	111.5	349	288.7	2,032	2,095.4
Montour	156	248	404	10	46.5	14	95.3	24	138.8	63	315.1	294	1,742.6
Northumberland	893	1,425	2,318	55	51.9	52	66.1	121	129.0	347	346.8	1,749	2,002.3
Potter	137	217	354	8	NSR	19	146.0	56	351.3	97	513.8	174	1,038.4
Snyder	242	364	606	18	34.6	19	49.3	33	88.0	94	248.2	444	1,485.5
Sullivan	73	125	198	5	NSR	8	NSR	26	488.7	83	1,116.0	77	988.1
Tioga	245	399	644	22	41.5	22	60.1	35	93.9	100	229.3	468	1,234.7
Union	276	428	704	21	41.3	13	25.7	26	54.4	72	181.6	576	1,747.9
<b>South Central</b>	12,463	21,546	<b>34,009</b>	803	38.1	957	63.3	2,028	118.6	4,959	290.9	25,268	1,940.5
Adams	675	1,112	1,787	55	42.4	44	49.3	101	96.2	234	224.3	1,353	1,702.7
Bedford	311	613	924	13	22.0	24	61.6	53	105.0	136	256.2	698	1,497.2
Blair	1,230	2,224	3,454	61	39.9	59	52.6	192	158.0	547	411.4	2,595	2,298.0
Cumberland	1,951	3,381	5,332	97	33.8	147	62.9	284	121.2	717	306.4	4,087	2,208.9
Dauphin	1,747	3,071	4,818	148	43.7	176	71.0	348	127.3	850	305.7	3,296	1,786.7
Franklin	1,138	2,044	3,182	78	40.1	68	52.3	149	101.6	412	285.7	2,475	1,979.1
Fulton	102	210	312	7	NSR	11	89.4	12	78.0	50	327.4	232	1,793.4
Huntingdon	334	530	864	18	34.5	27	61.1	50	104.8	111	236.7	659	1,751.8
Juniata	190	311	501	13	41.9	15	74.1	34	142.2	70	287.8	370	1,784.9
Lebanon	857	1,560	2,417	60	35.9	54	45.0	114	88.1	315	237.6	1,874	1,650.1
Mifflin	446	819	1,265	25	42.3	40	106.6	70	153.8	184	394.1	949	2,185.1
Perry	332	495	827	30	50.8	35	89.6	60	124.2	143	283.9	559	1,772.1
York	3,150	5,176	8,326	198	35.5	257	66.7	561	119.6	1,190	269.1	6,121	1,982.3

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	126,988	208,115	<b>335,103</b>	9,270	58.3	10,900	90.4	22,177	174.6	51,587	404.2	241,254	2,451.6
<b>Northwest</b>	9,141	15,702	<b>24,843</b>	543	47.5	680	82.0	1,509	167.3	3,805	393.7	18,307	2,327.6
Cameron	74	129	203	10	179.1	13	366.2	29	619.9	45	713.2	106	1,984.6
Clarion	412	646	1,058	17	34.1	40	98.6	75	210.3	168	426.7	758	2,256.2
Clearfield	774	1,328	2,102	55	61.8	62	86.0	145	162.7	334	385.7	1,507	2,072.5
Crawford	875	1,456	2,331	48	42.1	61	80.7	124	147.1	384	408.3	1,714	2,314.4
Elk	363	592	955	20	54.8	20	87.1	59	172.8	128	360.1	728	2,397.7
Erie	2,177	3,679	5,856	131	35.6	190	67.2	403	150.0	928	335.4	4,204	2,047.6
Forest	88	108	196	9	NSR	21	213.8	50	697.5	67	925.3	49	732.4
Jefferson	566	895	1,461	33	61.2	49	130.6	91	207.7	167	347.2	1,121	2,712.2
Lawrence	1,054	2,112	3,166	63	57.6	64	87.0	144	166.5	431	442.4	2,464	2,895.1
McKean	368	658	1,026	20	38.0	21	54.5	42	94.4	141	321.2	802	2,165.1
Mercer	1,406	2,553	3,959	78	53.8	81	83.0	207	186.7	577	476.8	3,016	2,821.1
Venango	609	963	1,572	43	65.7	37	85.9	90	172.5	267	426.3	1,135	2,306.6
Warren	375	583	958	16	33.8	21	66.6	50	123.5	168	353.5	703	1,809.2
<b>Southwest</b>	31,854	54,212	<b>86,066</b>	1,629	52.0	2,545	103.4	5,377	201.8	13,066	448.3	63,449	2,699.2
Allegheny	15,282	25,877	41,159	781	55.3	1,297	107.4	2,704	228.4	6,471	504.3	29,906	2,914.2
Armstrong	799	1,314	2,113	39	48.9	61	115.8	117	169.2	303	393.5	1,593	2,490.1
Beaver	1,734	3,053	4,787	103	52.7	143	101.0	293	173.9	712	372.6	3,536	2,227.8
Butler	1,741	2,969	4,710	105	44.4	144	92.5	277	142.5	633	326.3	3,551	2,519.5
Cambria	1,836	3,415	5,251	82	50.5	124	99.7	241	174.3	745	474.3	4,059	2,998.5
Fayette	1,398	2,359	3,757	80	50.8	131	112.6	270	191.1	618	397.9	2,658	2,136.9
Greene	239	427	666	14	31.9	20	53.5	41	101.5	97	229.3	494	1,646.8
Indiana	958	1,651	2,609	41	36.6	83	86.8	145	190.7	361	413.5	1,979	2,813.2
Somerset	927	1,416	2,343	36	43.8	48	72.3	121	151.1	323	381.3	1,815	2,480.3
Washington	2,437	4,073	6,510	153	62.7	187	105.5	445	215.9	1,011	442.3	4,714	2,577.1
Westmoreland	4,503	7,658	12,161	195	48.2	307	107.0	723	197.2	1,792	432.6	9,144	2,653.6

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: UNINTENTIONAL FALLS

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),  
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	3,377	426.6	412.2-441.0	Allegheny	36,772	483.6	478.6-488.5	Berks	450	310.6	281.9-339.3
Chester	372	268.6	241.3-295.9	Chester	9,324	379.4	371.7-387.1	Lancaster	145	158.2	132.5-184.0
Dauphin	512	246.1	224.8-267.4	Dauphin	4,125	316.2	306.5-325.8	Lehigh	326	216.4	192.9-239.9
Delaware	1,689	394.8	376.0-413.7	Delaware	16,060	554.0	545.4-562.5	Philadelphia	1,692	295	281.0-309.2
Montgomery	989	315.0	295.4-334.7	Montgomery	18,597	406.7	400.9-412.6				
Philadelphia	13,493	417.6	410.6-424.7	Philadelphia	22,496	517.7	510.9-524.5				
Pennsylvania	23,073	373.5	368.6-378.3	Pennsylvania	293,814	405.0	403.5-406.4	Pennsylvania	5,416	316.6	308.1-325.0

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES  
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	1540.0	1,837	<b>3,377</b>	8.2%	229	86.6	262	149.4	466	311.7	927	660.2	1,493	1,652.6
	White	82.1%	13,269	23,503	<b>36,772</b>	89.3%	513	49.0	967	101.5	2,133	217.1	5,370	481.3	27,789	3,018.3
Chester	Black	6.3%	158	214	<b>372</b>	3.7%	21	42.3	23	64.7	52	174.9	75	291.6	201	1,267.6
	White	87.9%	3,380	5,944	<b>9,324</b>	92.5%	200	34.1	233	62.4	554	115.9	1,464	319.2	6,873	2,286.5
Dauphin	Black	18.3%	230	282	<b>512</b>	10.6%	43	52.5	42	85.5	86	177.6	160	393.0	181	851.8
	White	75.3%	1,437	2,688	<b>4,125</b>	85.6%	82	37.1	114	63.5	227	109.2	661	290.6	3,041	1,910.1
Delaware	Black	19.6%	755	934	<b>1,689</b>	9.2%	135	73.1	141	109.1	257	229.4	436	542.6	720	1,722.1
	White	73.7%	6,082	9,978	<b>16,060</b>	87.2%	384	77.8	413	112.0	933	230.6	2,364	533.2	11,966	3,453.0
Montgomery	Black	8.9%	467	522	<b>989</b>	4.7%	60	58.4	58	77.1	114	142.8	241	394.5	516	1,463.2
	White	82.7%	6,770	11,825	<b>18,595</b>	88.8%	540	68.3	437	78.5	922	132.3	2,378	341.6	14,320	2,621.4
Philadelphia	Black	44.8%	6,304	7,189	<b>13,493</b>	33.7%	859	81.2	1,057	140.0	2,058	314.5	3,448	598.4	6,071	1,653.6
	White	45.0%	8,657	13,839	<b>22,496</b>	56.2%	368	49.3	845	92.5	1,500	236.3	3,569	587.5	16,214	3,095.5
Pennsylvania	Black	11.0%	10,755	12,317	<b>23,072</b>	6.9%	1,585	71.3	1,843	116.0	3,453	250.5	5,998	535.1	10,194	1,527.3
	White	84.1%	107,931	185,803	<b>293,734</b>	87.7%	6,217	49.6	7,652	78.9	16,580	154.9	42,222	375.0	221,143	2,460.3

## INJURY HOSPITALIZATIONS: ALL POISONING

In 2012, among Pennsylvania residents, there were 16,298 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 90 percent of all poisoning hospitalizations in Pa.

### HIGHLIGHTS

- Age-adjusted rates generally **decreased** from 2008 to 2012.
- Most common demographic is **white females**, ages 20 to 54.
- Of all Pennsylvania counties, **Philadelphia** had the highest age-adjusted rate.

### Trends Over Time

- There was a net 7 percent decrease in age-adjusted poisoning rate from 2008 to 2012.
- Age-adjusted hospitalization poisoning rates fell by 6 percent from 136.1 hospitalizations per 100,000 population in 2008 to 127.6 hospitalizations in 2010. It then increased slightly by 3 percent to 131.8 hospitalizations per 100,000 population in 2011. Thereafter, it decreased by 4 percent to 126.1 hospitalizations per 100,000 population in 2012.
- Females generally had higher age-adjusted poisoning hospitalization rates than males from 2008 to 2012.
- Black males and females had higher age-adjusted poisoning hospitalization rates than white males and females from 2008 to 2012.

### Demographic Trends

- Among ages 10 to 29, females had significantly higher poisoning hospitalization rates than males.
- Among ages 30 and older, black males and females had significantly higher poisoning hospitalization rates than white males and females.

### Regional Trends

- The Southeast Health District had the highest age-adjusted poisoning hospitalization rate, while the South Central Health District had the lowest rate.
- Fourteen counties had age-adjusted poisoning hospitalization rates for 2008-12 that were significantly higher than the comparable state rate. The majority of these were rural counties.

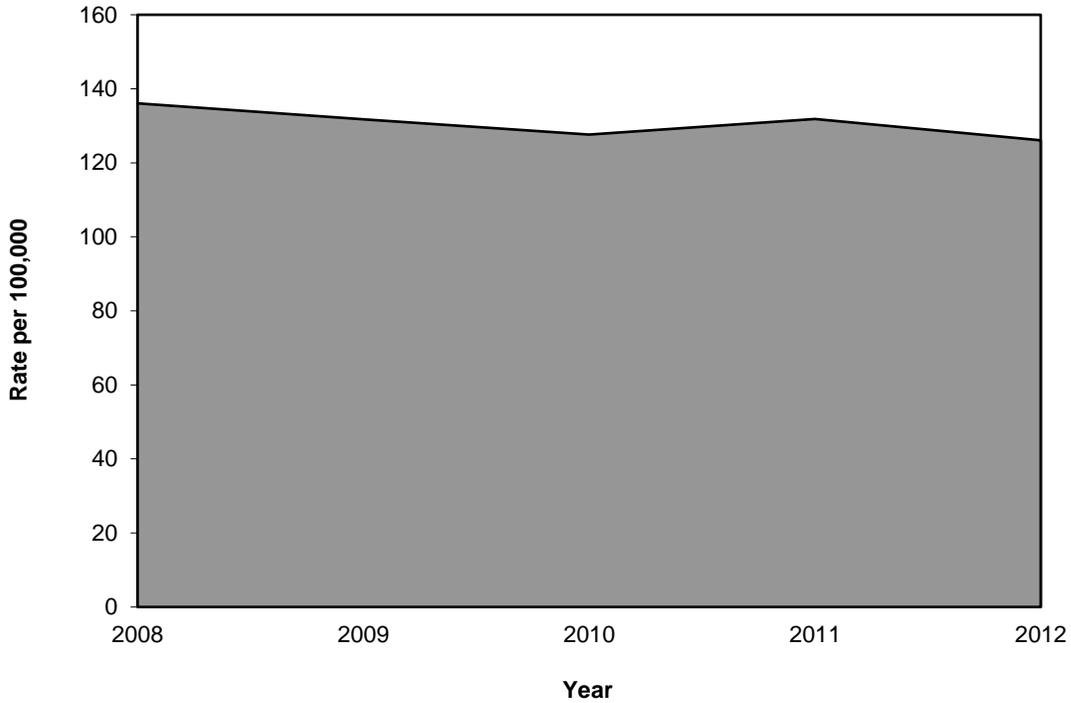
## INJURY HOSPITALIZATIONS: ALL POISONING

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	17,007	136.1
2009	16,691	131.8
2010	16,444	127.6
2011	16,956	131.8
2012	16,298	126.1

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### AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	134.3	109.4	127.4	163.5	98.8	122.1
2009	141.4	100.6	124.1	154.3	97.7	121.5
2010	138.5	105.6	128.7	148.1	93.0	114.6
2011	130.4	110.1	131.8	148.9	107.1	123.9
2012	122.8	105.3	125.9	144.4	94.8	119.5

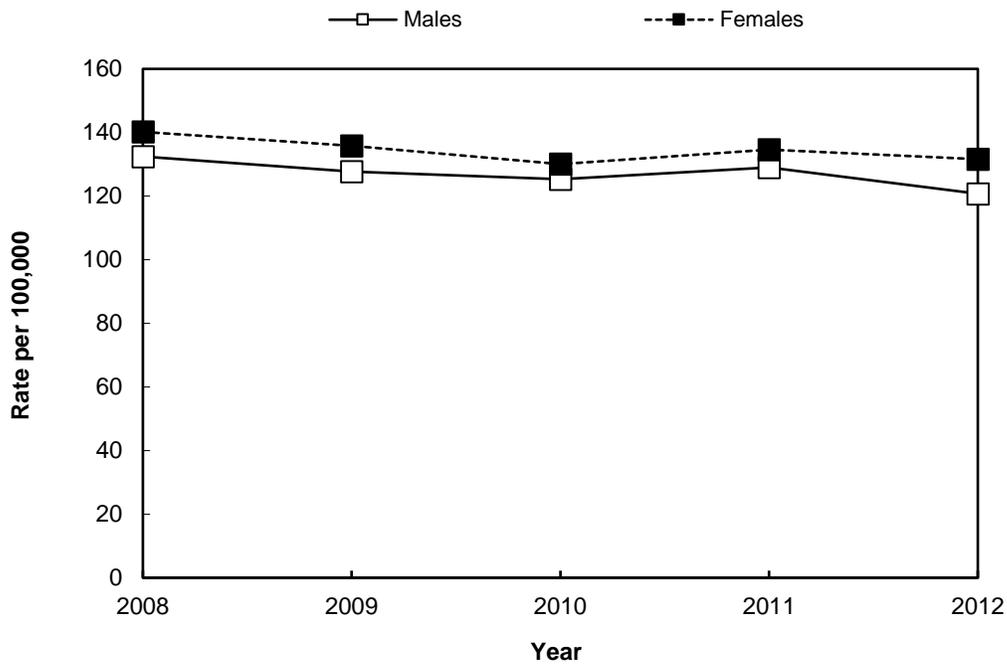
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population.  
Rates are per 100,000. Data for 2008-2012 based on ICD-9 codes. See Technical Notes.

# INJURY HOSPITALIZATIONS: ALL POISONING

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	8,157	129.0	2011	8,796	134.7
2012	7,706	120.8	2012	8,591	131.6



## AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

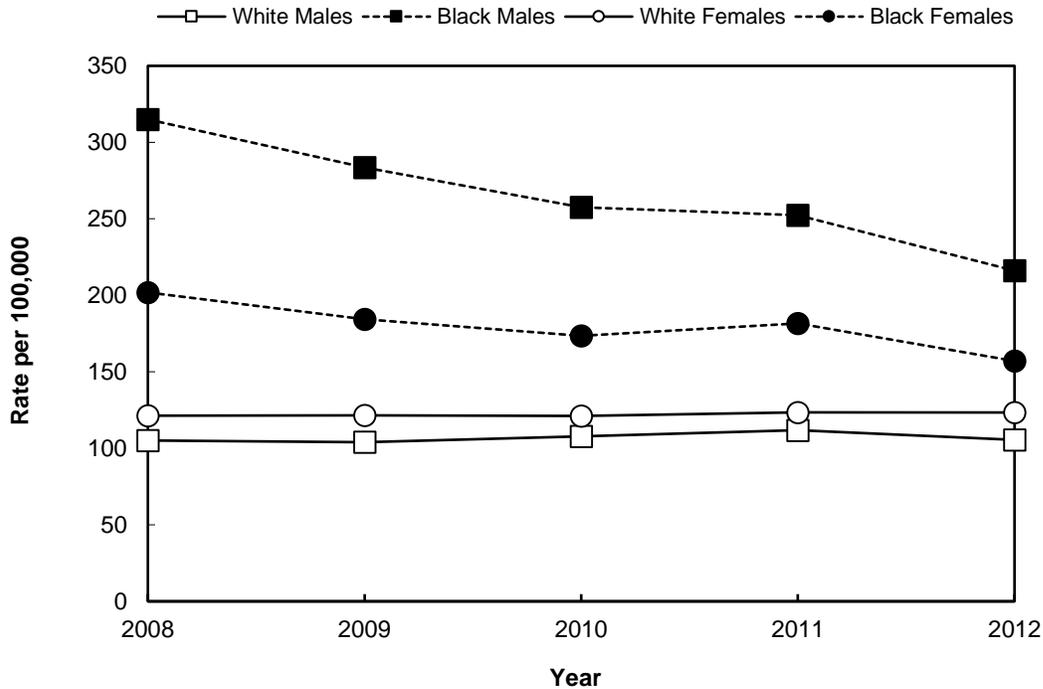
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	144.4	102.0	2008	140.5	139.9
2009	136.6	105.3	2009	136.3	135.1
2010	134.6	102.4	2010	127.9	137.5
2011	135.7	112.8	2011	134.1	137.3
2012	129.6	99.0	2012	133.6	127.0

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 POISONING

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	5,917	1,676	6,763	1,356	269	295
2012	5,638	1,447	6,721	1,183	256	282



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	111.9	252.4	123.5	181.7	78.3	87.7
2012	105.6	216.1	123.4	157.1	76.4	76.5

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 HOSPITALIZATIONS: ALL POISONING

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>83,396</b>	<b>131.8</b>	<b>39,793</b>	<b>129.1</b>	<b>43,593</b>	<b>134.3</b>			<b>63,072</b>	<b>137.1</b>	<b>20,324</b>	<b>117.8</b>
< 5	1,010	27.6	574	30.7	436	24.4	*	814	29.6	196	21.6	*
5-9	233	6.2	120	6.2	113	6.1		190	6.8	43	4.4	*
10-14	737	18.6	229	11.3	508	26.3	*	538	18.5	199	19.1	
15-19	5,344	118.3	2,231	97.3	3,112	139.9	*	3,741	114.5	1,603	128.3	*
20-24	7,551	170.2	3,713	165.1	3,837	175.3	*	5,501	171.7	2,050	166.3	
25-29	7,459	192.1	3,613	183.5	3,844	200.8	*	5,440	184.4	2,019	216.3	*
30-34	6,641	177.4	3,274	174.1	3,365	180.6		4,912	175.8	1,729	182.0	
35-39	6,907	181.3	3,201	168.7	3,705	193.7	*	5,024	179.6	1,883	186.1	
40-44	8,440	197.5	4,069	192.0	4,370	202.8	*	6,542	209.5	1,898	164.8	*
45-49	10,150	220.0	4,976	218.8	5,173	221.1		7,884	234.8	2,266	180.3	*
50-54	9,222	194.6	4,678	201.2	4,544	188.3	*	7,222	210.7	2,000	152.5	*
55-59	6,251	144.3	3,243	153.7	3,008	135.4	*	5,004	161.4	1,247	101.3	*
60-64	4,022	108.9	2,034	114.8	1,987	103.5	*	3,147	120.4	875	81.1	*
65-69	2,584	92.4	1,123	86.2	1,461	97.8	*	1,968	101.0	616	72.7	*
70-74	1,896	86.3	792	80.7	1,104	90.9	*	1,409	92.4	487	72.5	*
75-79	1,744	96.5	701	92.4	1,043	99.5		1,293	102.1	451	83.6	*
80-84	1,562	105.2	613	106.9	949	104.2		1,173	111.3	389	90.4	*
85 +	1,643	105.5	609	123.8	1,034	97.1	*	1,270	113.4	373	85.4	*

\* 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: ALL POISONING

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>28,156</b>	<b>108.5</b>	<b>8,183</b>	<b>245.7</b>		<b>33,304</b>	<b>122.4</b>	<b>6,451</b>	<b>176.8</b>		<b>3,415</b>	<b>97.8</b>
< 5	285	19.7	167	62.4	*	208	15.1	126	48.4	*	88	22.7
5-9	62	4.1	28	10.6	*	37	2.6	39	15.3	*	36	10.2
10-14	130	8.1	43	15.4	*	299	19.5	92	34.4	*	67	20.5
15-19	1,733	94.7	225	69.8	*	2,220	124.8	440	142.3	*	296	86.4
20-24	2,926	162.8	406	130.1	*	2,920	167.5	470	152.2		379	118.9
25-29	2,883	180.7	366	146.2	*	3,036	198.1	418	164.4	*	349	120.3
30-34	2,509	163.4	433	192.4	*	2,564	171.1	446	186.9		367	133.9
35-39	2,277	144.7	596	283.0	*	2,827	180.6	542	236.7	*	352	139.6
40-44	2,674	148.9	1,050	474.5	*	3,246	179.9	726	297.1	*	381	166.2
45-49	3,213	163.5	1,386	623.2	*	3,909	195.8	905	361.3	*	358	176.8
50-54	2,955	144.6	1,424	686.5	*	3,450	164.9	826	342.2	*	267	170.7
55-59	2,101	111.8	972	570.0	*	2,293	117.7	539	261.6	*	158	133.9
60-64	1,317	82.5	554	429.5	*	1,574	92.6	302	181.3	*	119	141.9
65-69	820	69.1	225	264.3	*	1,168	87.2	204	172.5	*	68	118.5
70-74	623	69.5	130	207.6	*	923	84.3	118	124.8	*	45	117.3
75-79	590	84.4	67	147.5	*	889	93.3	98	126.4	*	43	160.6
80-84	519	97.1	64	208.0	*	824	98.3	84	137.6	*	25	142.3
85 +	539	117.5	47	177.1	*	917	92.8	76	115.9	*	17	107.5

\* 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 POISONING

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>6,084</b>	<b>131.5</b>	<b>3,666</b>	<b>106.2</b>	<b>10,070</b>	<b>126.7</b>	<b>39,161</b>	<b>154.4</b>	<b>8,166</b>	<b>98.4</b>	<b>16,249</b>	<b>63.9</b>						
< 5	68	27.0	32	20.0	-	97	22.6	-	566	35.3	+	66	15.9	-	165	23.6	-	
5-9	10	3.8	-	10	6.2	-	23	5.0	-	135	8.4	+	12	3.2	-	39	5.3	
10-14	69	24.0	+	38	21.9		107	21.4		326	19.7		84	16.9	-	116	14.8	-
15-19	462	136.8	+	310	111.3		764	134.6	+	2,232	121.4		553	103.3	-	1,001	110.0	-
20-24	603	193.0	+	411	101.7	-	1,039	196.6	+	3,242	179.0	+	764	144.3	-	1,453	162.7	
25-29	589	227.3	+	420	214.3	+	922	205.0		3,225	190.9		785	156.4	-	1,526	191.3	
30-34	518	201.1	+	305	163.7		884	197.8	+	2,815	177.6		710	148.8	-	1,436	186.3	
35-39	522	194.8		280	140.1	-	863	181.8		3,052	193.9	+	707	143.2	-	1,444	184.1	
40-44	595	196.2		308	142.3	-	986	180.5	-	4,118	237.1	+	775	137.6	-	1,622	181.6	-
45-49	674	203.8	-	398	168.4	-	1,156	194.0	-	5,121	277.1	+	964	159.4	-	1,855	188.0	-
50-54	590	167.8	-	329	113.4	-	1,012	166.7	-	4,849	262.7	+	823	133.8	-	1,669	156.6	-
55-59	406	122.8	-	251	108.9	-	621	112.1	-	3,304	201.3	+	544	95.6	-	1,186	118.8	-
60-64	250	88.0	-	148	75.4	-	482	98.6	-	2,005	146.8	+	433	82.9	-	717	84.3	-
65-69	203	91.9		120	72.3	-	285	75.4	-	1,204	118.2	+	280	74.1	-	511	81.0	-
70-74	152	85.1		118	90.2		209	72.0	-	861	109.7	+	199	61.3	-	366	71.2	-
75-79	131	89.8		68	74.6	-	222	94.5		738	113.7	+	174	72.7	-	398	92.0	
80-84	125	105.1		54	70.2	-	179	93.0		668	126.1	+	140	84.9	-	362	96.0	
85 +	117	95.8		66	84.5	-	219	109.6		700	123.2	+	153	85.6	-	383	96.6	

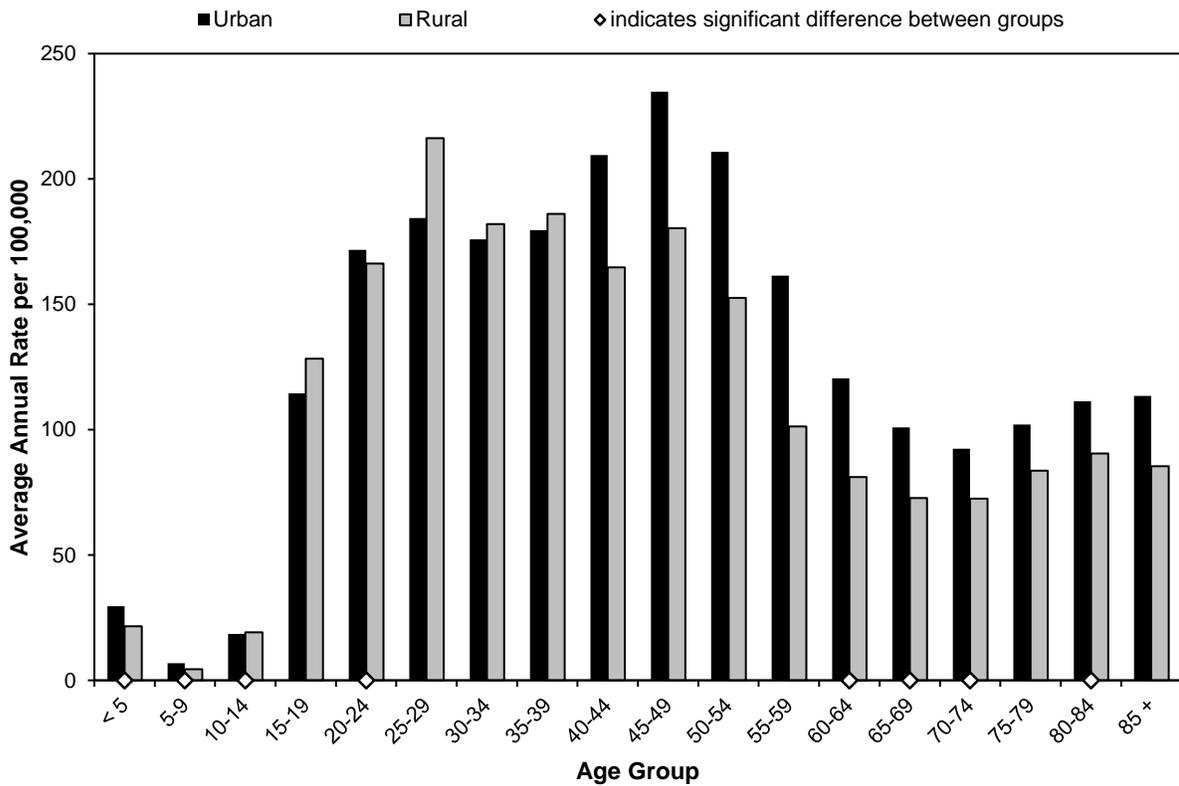
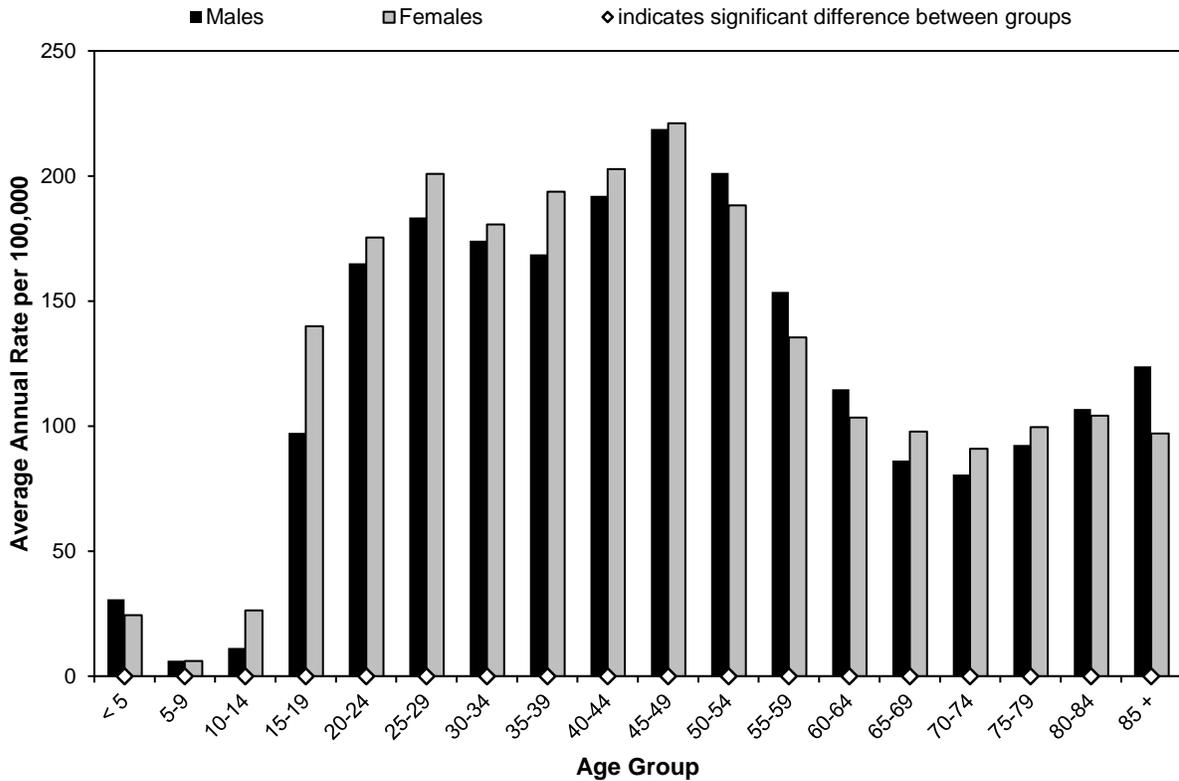
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

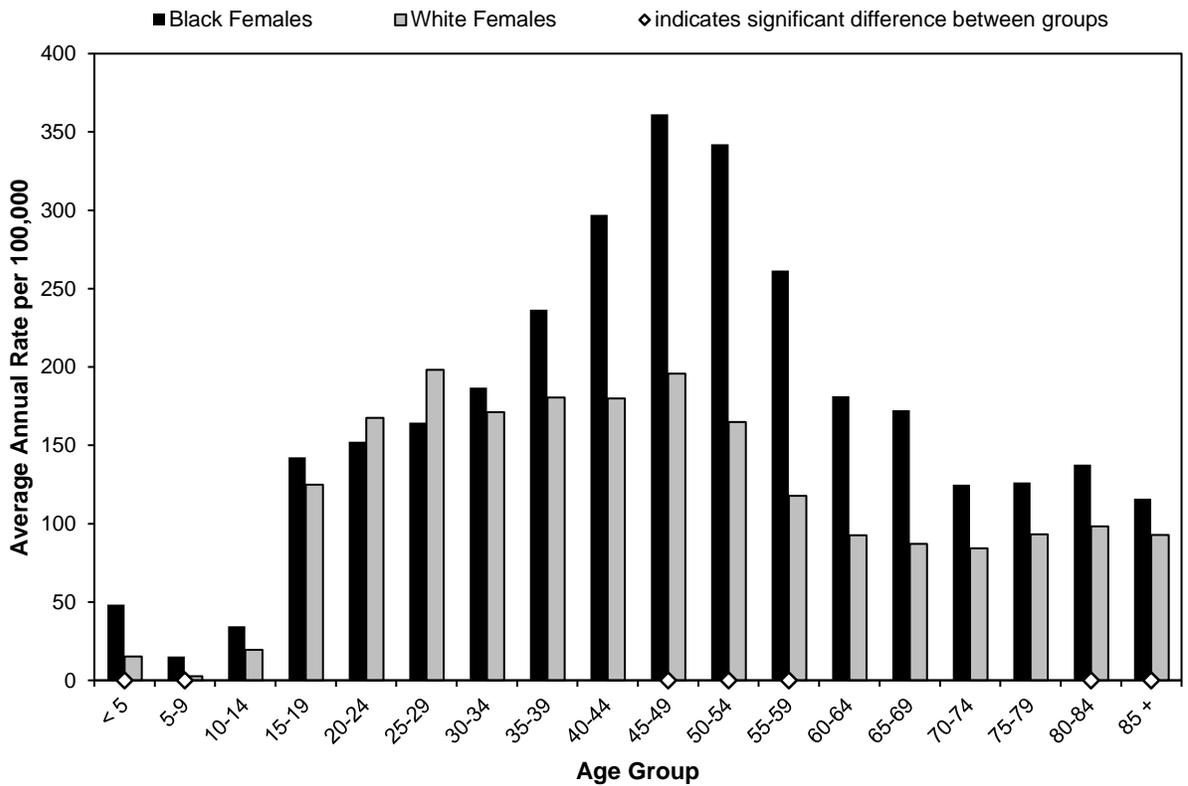
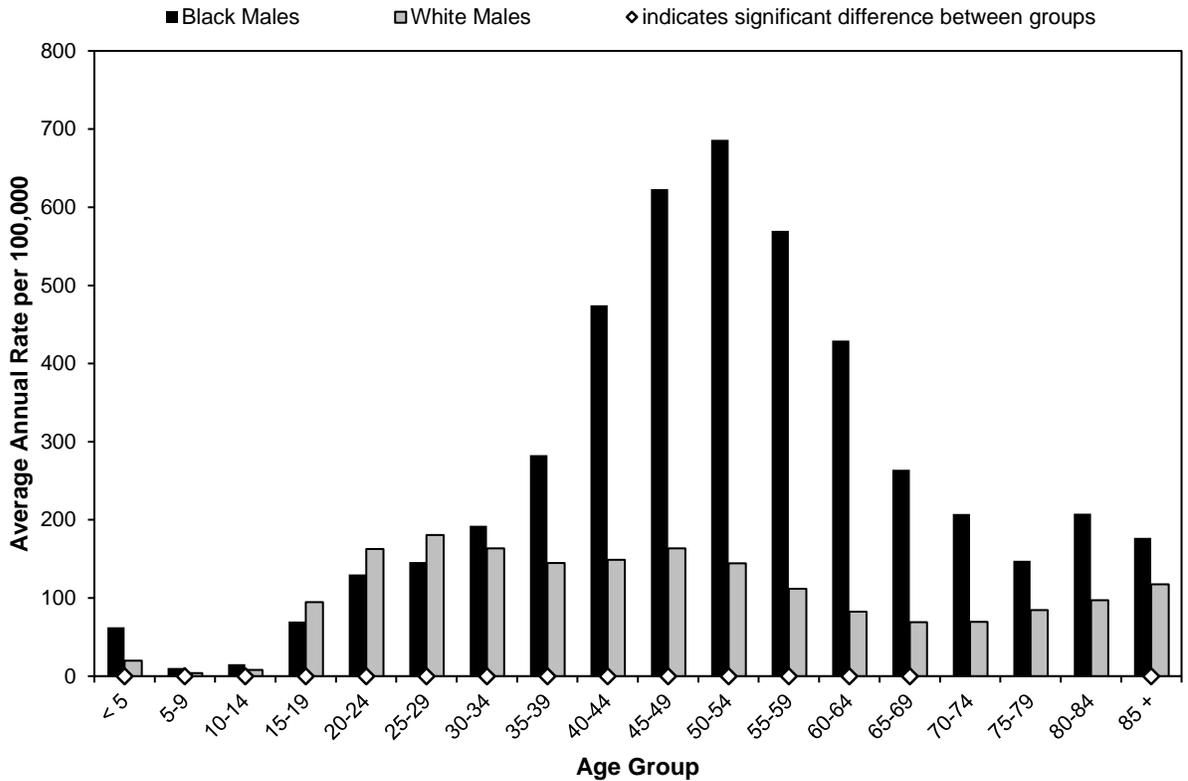
# INJURY HOSPITALIZATIONS: ALL POISONING

AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: ALL POISONING

AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX AND RACE  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: ALL POISONING

## NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

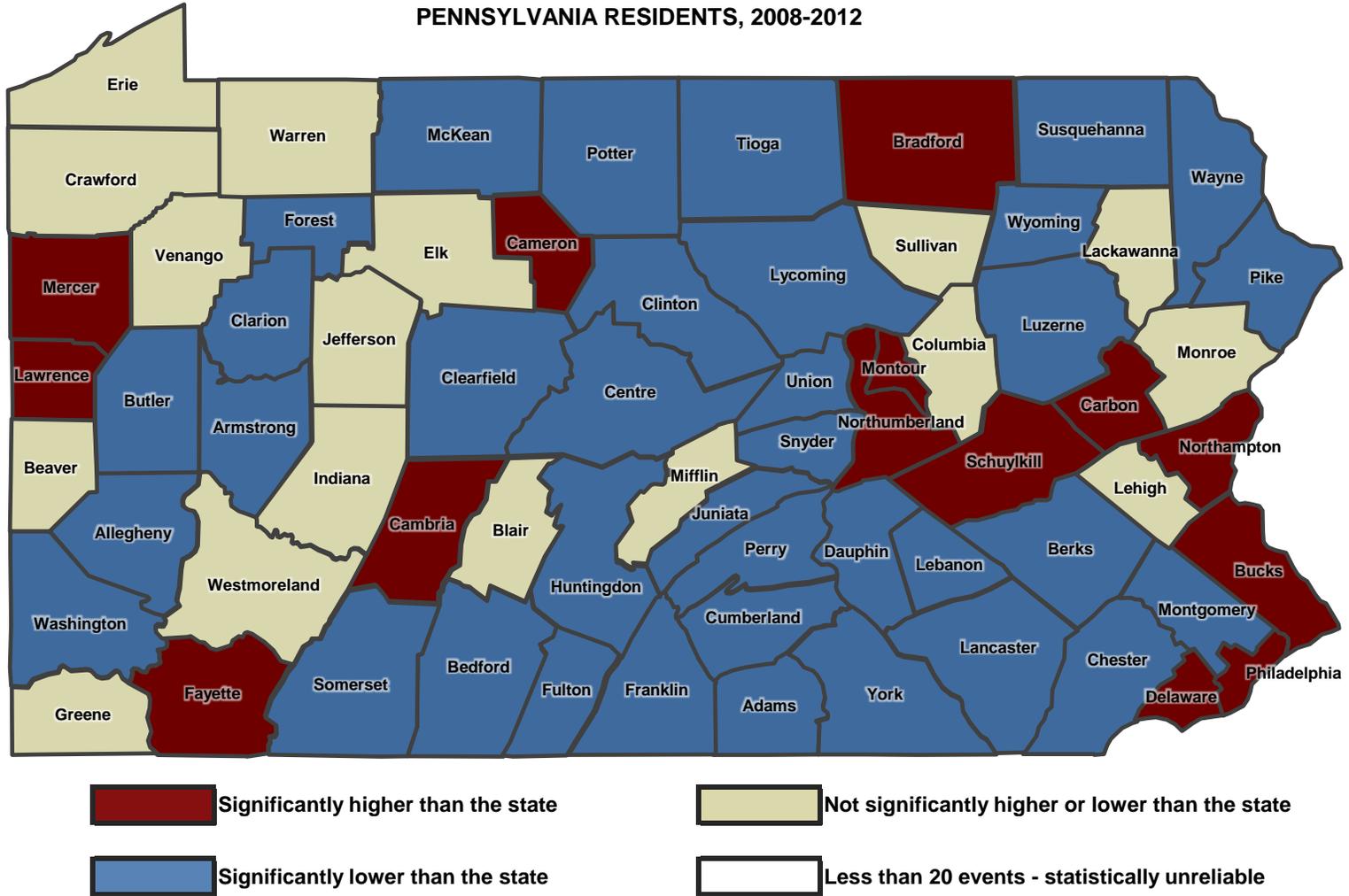
District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	10,070	127.5	125.0-130.0	-	<b>Southeast</b>	39,161	151.8	150.3-153.3	+
Carbon	687	218.8	202.4-235.1	+	Berks	2,171	105.5	101.0-109.9	-
Lackawanna	1,403	133.4	126.4-140.4		Bucks	4,306	139.5	135.3-143.7	+
Lehigh	2,313	134.7	129.2-140.2		Chester	2,034	81.0	77.5-84.6	-
Luzerne	1,528	95.0	90.2-99.8	-	Delaware	4,975	175.6	170.7-180.4	+
Monroe	1,071	126.8	119.2-134.4		Lancaster	2,243	88.3	84.6-91.9	-
Northampton	2,352	158.1	151.7-164.5	+	Montgomery	4,072	101.5	98.4-104.6	-
Pike	133	43.9	36.5-51.4	-	Philadelphia	17,897	239.6	236.1-243.1	+
Susquehanna	161	82.9	70.1-95.7	-	Schuylkill	1,463	206.1	195.5-216.6	+
Wayne	280	111.4	98.3-124.4	-					
Wyoming	142	104.9	87.7-122.2	-					
<b>North Central</b>	3,666	106.2	102.8-109.7	-	<b>South Central</b>	8,166	98.4	96.2-100.5	-
Bradford	505	172.3	157.3-187.3	+	Adams	336	65.6	58.6-72.6	-
Centre	700	97.9	90.7-105.2	-	Bedford	159	69.0	58.3-79.7	-
Clinton	153	79.5	66.9-92.1	-	Blair	837	135.7	126.5-144.9	
Columbia	419	126.7	114.6-138.8		Cumberland	1,074	89.4	84.1-94.8	-
Lycoming	509	86.9	79.3-94.4	-	Dauphin	1,487	111.6	106.0-117.3	-
Montour	157	179.9	151.7-208.0	+	Franklin	710	98.3	91.1-105.6	-
Northumberland	679	152.9	141.4-164.4	+	Fulton	49	67.6	48.7-86.6	-
Potter	70	91.7	70.2-113.2	-	Huntingdon	198	85.4	73.5-97.3	-
Snyder	146	76.7	64.3-89.2	-	Juniata	91	74.5	59.2-89.9	-
Sullivan	40	126.7	87.5-166.0		Lebanon	449	70.2	63.7-76.6	-
Tioga	131	67.2	55.7-78.7	-	Mifflin	266	122.3	107.6-136.9	
Union	157	67.2	56.7-77.7	-	Perry	226	101.7	88.4-114.9	-
					York	2,284	105.7	101.3-110.0	-
<b>Northwest</b>	6,084	133.6	130.2-136.9		<b>Southwest</b>	16,249	120.3	118.4-122.1	-
Cameron	50	205.6	148.6-262.6	+	Allegheny	7,183	114.8	112.1-117.5	-
Clarion	146	75.2	63.0-87.5	-	Armstrong	371	115.8	104.0-127.6	-
Clearfield	487	115.8	105.5-126.1	-	Beaver	1,122	136.0	128.1-144.0	
Crawford	567	133.5	122.5-144.5		Butler	603	65.6	60.4-70.8	-
Elk	213	147.6	127.8-167.5		Cambria	1,246	180.4	170.3-190.4	+
Erie	1,903	136.8	130.6-142.9		Fayette	981	146.2	137.1-155.4	+
Forest	30	77.4	49.7-105.0	-	Greene	230	118.8	103.4-134.1	
Jefferson	272	122.1	107.6-136.6		Indiana	583	139.7	128.4-151.0	
Lawrence	638	147.1	135.7-158.5	+	Somerset	439	116.1	105.3-127.0	-
McKean	220	101.8	88.3-115.2	-	Washington	1,215	120.3	113.6-127.1	-
Mercer	948	170.2	159.4-181.1	+	Westmoreland	2,276	130.5	125.2-135.9	
Venango	364	138.6	124.4-152.9						
Warren	246	120.2	105.2-135.3		<b>Pennsylvania</b>	<b>83,396</b>	<b>130.7</b>	<b>129.8-131.6</b>	

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, 2008-2012



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 INJURY HOSPITALIZATIONS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	39,793	43,593	<b>83,386</b>	8,049	50.6	21,609	179.1	25,429	200.3	19,109	149.7	9,200	93.5
<b>Northeast</b>	4,502	5,562	<b>10,064</b>	1,064	54.3	2,846	199.7	3,013	186.3	2,059	124.8	1,420	84.0
Carbon	320	367	687	63	87.9	208	375.8	206	307.5	144	201.7	66	114.8
Lackawanna	606	797	1,403	125	49.8	395	198.1	413	201.9	320	147.6	150	79.2
Lehigh	1,035	1,278	2,313	257	56.5	691	211.6	703	198.6	435	126.9	227	86.3
Luzerne	725	797	1,522	124	34.2	437	151.5	449	139.8	331	101.0	187	65.0
Monroe	424	647	1,071	112	49.3	273	187.2	357	196.7	231	130.2	98	90.7
Northampton	1,101	1,251	2,352	221	58.0	669	247.2	674	221.7	491	162.3	297	128.3
Pike	45	88	133	25	35.5	25	59.2	42	66.7	32	47.4	9	NSR
Susquehanna	70	91	161	35	71.3	46	140.2	48	116.7	18	35.9	14	37.3
Wayne	109	171	280	82	149.8	73	181.1	79	149.6	28	44.4	18	35.8
Wyoming	67	75	142	20	56.0	29	123.9	42	151.2	29	94.6	22	96.4
<b>Southeast</b>	20,101	19,060	<b>39,161</b>	3,259	48.6	9,282	182.5	12,291	238.3	10,158	209.3	4,171	117.5
Berks	945	1,226	2,171	218	39.0	501	133.6	687	163.4	480	121.5	285	95.5
Bucks	2,057	2,249	4,306	408	51.8	1,246	244.3	1,259	182.7	933	137.0	460	100.1
Chester	886	1,148	2,034	205	29.6	526	119.8	569	104.4	439	87.8	295	91.1
Delaware	2,523	2,452	4,975	426	57.2	1,295	240.5	1,441	258.1	1,238	225.3	575	143.6
Lancaster	1,000	1,243	2,243	235	32.7	608	124.6	640	128.5	470	96.8	290	74.4
Montgomery	1,803	2,269	4,072	462	46.0	1,062	150.5	1,040	121.5	907	113.0	601	99.4
Philadelphia	10,246	7,651	17,897	1,152	56.3	3,584	188.6	6,182	431.3	5,428	422.2	1,551	165.2
Schuylkill	641	822	1,463	153	95.0	460	356.6	473	299.0	263	170.7	114	84.6

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	39,793	43,593	<b>83,386</b>	8,049	50.6	21,609	179.1	25,429	200.3	19,109	149.7	9,200	93.5
<b>North Central</b>	1,561	2,104	<b>3,665</b>	536	63.2	1,095	145.7	1,010	156.4	632	93.9	393	70.9
Bradford	208	297	505	52	67.0	165	333.2	134	217.3	92	137.9	62	112.4
Centre	259	440	699	68	36.5	248	101.7	206	168.4	106	91.4	72	83.1
Clinton	70	83	153	47	94.1	41	105.6	28	81.8	24	64.8	13	41.0
Columbia	175	244	419	47	56.5	104	148.1	109	183.3	97	150.2	62	114.1
Lycoming	263	246	509	47	33.5	134	119.4	141	124.7	125	103.4	62	63.9
Montour	59	98	157	29	134.9	39	265.4	53	306.5	25	125.0	11	65.2
Northumberland	292	387	679	89	84.0	204	259.2	200	213.2	109	108.9	77	88.2
Potter	34	36	70	11	51.6	25	192.1	21	131.7	9	NSR	4	NSR
Snyder	59	87	146	44	84.7	44	114.1	31	82.7	18	47.5	9	NSR
Sullivan	18	22	40	7	NSR	8	NSR	18	338.3	4	NSR	3	NSR
Tioga	59	72	131	46	86.8	35	95.6	30	80.5	10	22.9	10	26.4
Union	65	92	157	49	96.3	48	94.7	39	81.6	13	32.8	8	NSR
<b>South Central</b>	3,677	4,489	<b>8,166</b>	1,075	51.0	2,252	149.1	2,403	140.5	1,570	92.1	866	66.5
Adams	155	181	336	63	48.5	86	96.4	103	98.1	54	51.8	30	37.8
Bedford	54	105	159	51	86.4	46	118.1	39	77.2	14	26.4	9	NSR
Blair	363	474	837	195	127.4	210	187.2	242	199.1	124	93.3	66	58.4
Cumberland	461	613	1,074	109	38.0	285	121.9	312	133.2	208	88.9	160	86.5
Dauphin	728	759	1,487	128	37.8	391	157.7	451	165.0	359	129.1	158	85.6
Franklin	299	411	710	64	32.9	214	164.7	201	137.1	157	108.9	74	59.2
Fulton	24	25	49	22	120.2	13	105.7	7	NSR	5	NSR	2	NSR
Huntingdon	88	110	198	45	86.2	66	149.3	38	79.6	27	57.6	22	58.5
Juniata	43	48	91	30	96.7	20	98.8	18	75.3	14	57.6	9	NSR
Lebanon	186	263	449	88	52.7	123	102.6	135	104.3	58	43.8	45	39.6
Mifflin	127	139	266	74	125.1	78	207.9	74	162.6	30	64.3	10	23.0
Perry	92	134	226	21	35.5	60	153.5	74	153.1	48	95.3	23	72.9
York	1,057	1,227	2,284	185	33.2	660	171.2	709	151.2	472	106.8	258	83.6

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	39,793	43,593	<b>83,386</b>	8,049	50.6	21,609	179.1	25,429	200.3	19,109	149.7	9,200	93.5
<b>Northwest</b>	2,767	3,316	<b>6,083</b>	682	59.7	1,707	205.9	1,807	200.3	1,189	123.0	699	88.9
Cameron	27	23	50	6	NSR	13	366.2	22	470.3	7	NSR	2	NSR
Clarion	65	81	146	18	36.1	41	101.0	35	98.1	27	68.6	25	74.4
Clearfield	233	254	487	46	51.7	124	171.9	136	152.6	102	117.8	79	108.6
Crawford	252	315	567	72	63.1	170	224.9	142	168.4	114	121.2	69	93.2
Elk	106	107	213	41	112.3	73	318.0	59	172.8	23	64.7	17	56.0
Erie	839	1,064	1,903	191	51.8	563	199.2	594	221.1	371	134.1	184	89.6
Forest	21	9	30	10	177.0	11	112.0	7	NSR	2	NSR	0	NSR
Jefferson	127	145	272	22	40.8	56	149.3	89	203.1	63	131.0	42	101.6
Lawrence	312	325	637	53	48.5	167	226.9	205	237.0	137	140.6	76	89.3
McKean	84	136	220	42	79.9	67	173.9	61	137.2	34	77.4	16	43.2
Mercer	440	508	948	94	64.9	275	281.9	290	261.5	189	156.2	100	93.5
Venango	167	197	364	42	64.1	90	209.0	100	191.7	70	111.8	62	126.0
Warren	94	152	246	45	95.0	57	180.6	67	165.5	50	105.2	27	69.5
<b>Southwest</b>	7,185	9,062	<b>16,247</b>	1,433	45.8	4,427	179.8	4,905	184.1	3,501	120.1	1,983	84.4
Allegheny	3,287	3,896	7,183	538	38.1	1,848	153.0	2,104	177.7	1,708	133.1	985	96.0
Armstrong	153	218	371	73	91.5	99	187.9	121	175.0	42	54.5	36	56.3
Beaver	484	638	1,122	93	47.6	303	214.1	349	207.1	241	126.1	136	85.7
Butler	281	322	603	75	31.7	158	101.5	164	84.3	123	63.4	83	58.9
Cambria	555	691	1,246	122	75.2	365	293.4	376	272.0	253	161.1	130	96.0
Fayette	405	575	980	84	53.3	290	249.2	313	221.5	212	136.5	82	65.9
Greene	111	118	229	43	97.9	73	195.3	70	173.3	34	80.4	10	33.3
Indiana	252	331	583	102	91.1	160	167.4	172	226.2	91	104.2	58	82.4
Somerset	207	232	439	40	48.7	128	192.9	131	163.6	82	96.8	58	79.3
Washington	528	687	1,215	104	42.6	331	186.8	381	184.9	248	108.5	151	82.6
Westmoreland	922	1,354	2,276	159	39.3	672	234.2	724	197.5	467	112.7	254	73.7

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 HOSPITALIZATIONS: ALL POISONING

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),  
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	1,199	152.7	144.1-161.3	Allegheny	5,826	112.3	109.4-115.1	Berks	368	131.7	118.2-145.1
Chester	199	131.2	113.0-149.4	Chester	1,701	76.8	73.2-80.5	Lancaster	125	65.3	53.9-76.8
Dauphin	316	135.7	120.8-150.7	Dauphin	1,056	104.2	98.0-110.5	Lehigh	355	122.9	110.1-135.6
Delaware	1,012	196.1	184.0-208.2	Delaware	3,741	179.5	173.7-185.2	Philadelphia	1,215	143	134.6-150.7
Montgomery	378	104.7	94.1-115.2	Montgomery	3,399	102.6	99.2-106.1				
Philadelphia	9,573	290.4	284.5-296.2	Philadelphia	6,258	176.7	172.3-181.1				
Pennsylvania	14,634	217.0	213.5-220.6	Pennsylvania	61,468	114.6	113.7-115.5	Pennsylvania	3,415	111.9	108.1-115.6

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES  
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	527.0	672	<b>1,199</b>	16.7%	143	54.1	248	141.4	382	255.5	317	225.8	109	120.7
	White	82.1%	2,677	3,149	<b>5,826</b>	81.1%	368	35.2	1,549	162.7	1,690	172.0	1,365	122.4	854	92.8
Chester	Black	6.3%	95	104	<b>199</b>	9.8%	16	32.3	55	154.6	50	168.2	59	229.4	19	119.8
	White	87.9%	731	970	<b>1,701</b>	83.6%	168	28.6	424	113.6	479	100.2	362	78.9	268	89.2
Dauphin	Black	18.3%	152	164	<b>316</b>	21.3%	35	42.8	74	150.7	93	192.1	83	203.9	31	145.9
	White	75.3%	523	533	<b>1,056</b>	71.0%	76	34.4	284	158.1	317	152.6	256	112.6	123	77.3
Delaware	Black	19.6%	532	480	<b>1,012</b>	20.3%	99	53.6	205	158.6	349	311.5	267	332.3	92	220.0
	White	73.7%	1,860	1,881	<b>3,741</b>	75.2%	286	57.9	1,039	281.9	1,026	253.6	926	208.9	464	133.9
Montgomery	Black	8.9%	191	187	<b>378</b>	9.3%	48	46.7	90	119.6	105	131.6	99	162.0	36	102.1
	White	82.7%	1,496	1,903	<b>3,399</b>	83.5%	344	43.5	893	160.4	865	124.1	773	111.1	524	95.9
Philadelphia	Black	44.8%	5,689	3,884	<b>9,573</b>	53.5%	561	53.0	1,285	170.1	3,617	552.8	3,386	587.6	724	197.2
	White	45.0%	3,452	2,806	<b>6,258</b>	35.0%	240	32.2	1,678	183.6	1,915	301.6	1,711	281.7	714	136.3
Pennsylvania	Black	11.0%	8,183	6,451	<b>14,634</b>	17.5%	1,160	52.2	2,539	159.8	5,205	377.7	4,617	411.9	1,113	166.8
	White	84.1%	28,156	33,304	<b>61,460</b>	73.7%	4,975	39.7	16,843	173.6	18,148	169.6	13,690	121.6	7,812	86.9

## INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC ACCIDENTS

In 2012, among Pennsylvania residents, there were 11,161 hospitalizations due to motor vehicle traffic (MVT) accidents. On average, one resident was hospitalized every 47 minutes.

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### Injury Definition

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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 **decreased** from 2008 to 2012.
- Most common demographic is **white males**, ages 15 to 29.
- Of all Pennsylvania counties, **Wyoming** had the highest age-adjusted rate.

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### Trends Over Time

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- Age-adjusted hospitalization rates for MVT injury decreased by 20 percent from 105.5 hospitalization per 100,000 population in 2008 to 84.6 hospitalizations per 100,000 population in 2012.
- Males had significantly higher age-adjusted MVT hospitalization rates than females for all age groups during the 2008 to 2012 period. Male rates were twice those of females for some age groups.
- Black males and females had higher age-adjusted MVT hospitalization rates than white males and females during the 2008 to 2012 period.

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### Demographic Trends

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- Black adult males had significantly higher MVT hospitalization rates than white males for ages 25 to 69 and 80 and older.
- Black females had significantly higher MVT hospitalization rates than white females for ages less than 14, 25-39, and 45-59, while white females had significantly higher MVT hospitalization rates than white females for ages 70 and older.
- Rural populations generally had higher MVT hospitalization rates than urban populations from 2008 to 2012. Rural rates were significantly higher for ages 25 to 54.

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### Regional Trends

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- The Northeast Health District had the highest age-adjusted MVT hospitalization rate, while the South Central Health District had the lowest rate.
- Twenty-seven counties had age-adjusted MVT hospitalization rates that were significantly higher than the comparable state rate for 2008 to 2012. Most of the counties were rural.

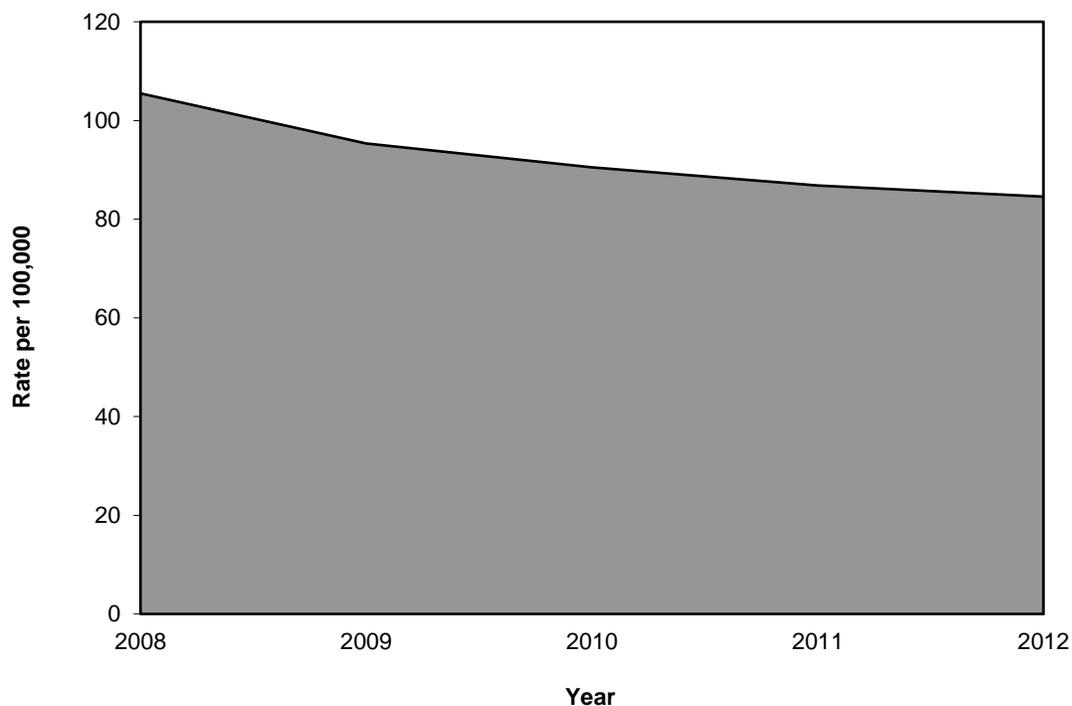
# INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	13,506	105.5
2009	12,409	95.3
2010	11,857	90.5
2011	11,384	86.8
2012	11,161	84.6

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## AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	102.3	83.6	123.0	104.0	91.8	114.1
2009	86.3	76.6	124.0	97.7	84.8	88.8
2010	88.6	89.4	103.0	91.0	83.7	88.3
2011	90.2	81.8	100.3	86.8	79.7	84.5
2012	88.2	87.0	95.8	83.2	74.8	85.8

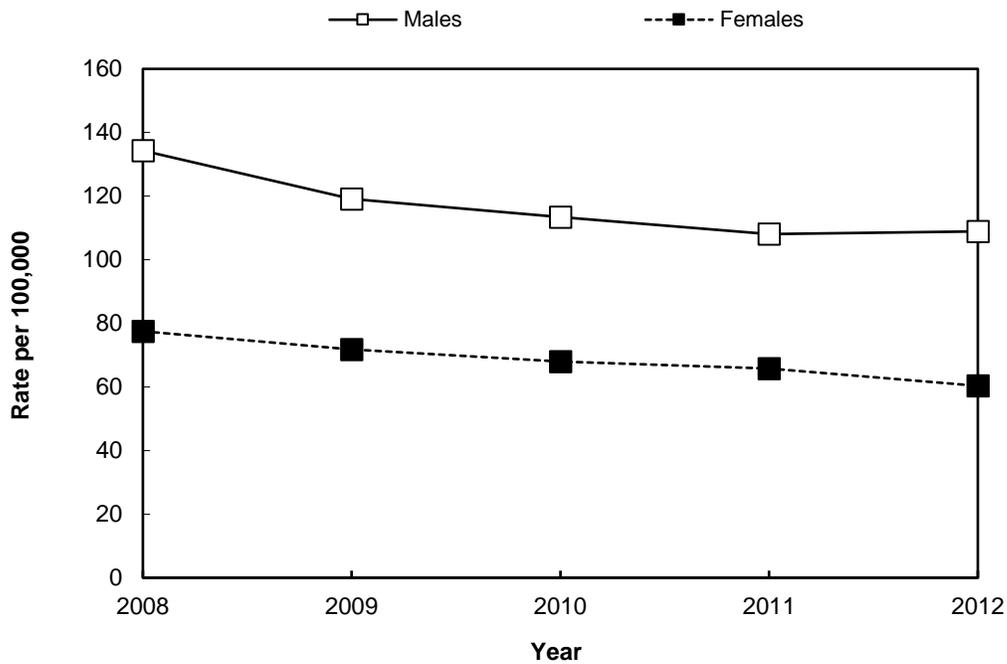
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-9 codes. See Technical Notes.

# INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	6,858	108.1	2011	4,497	65.8
2012	6,923	108.9	2012	4,200	60.4



## AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

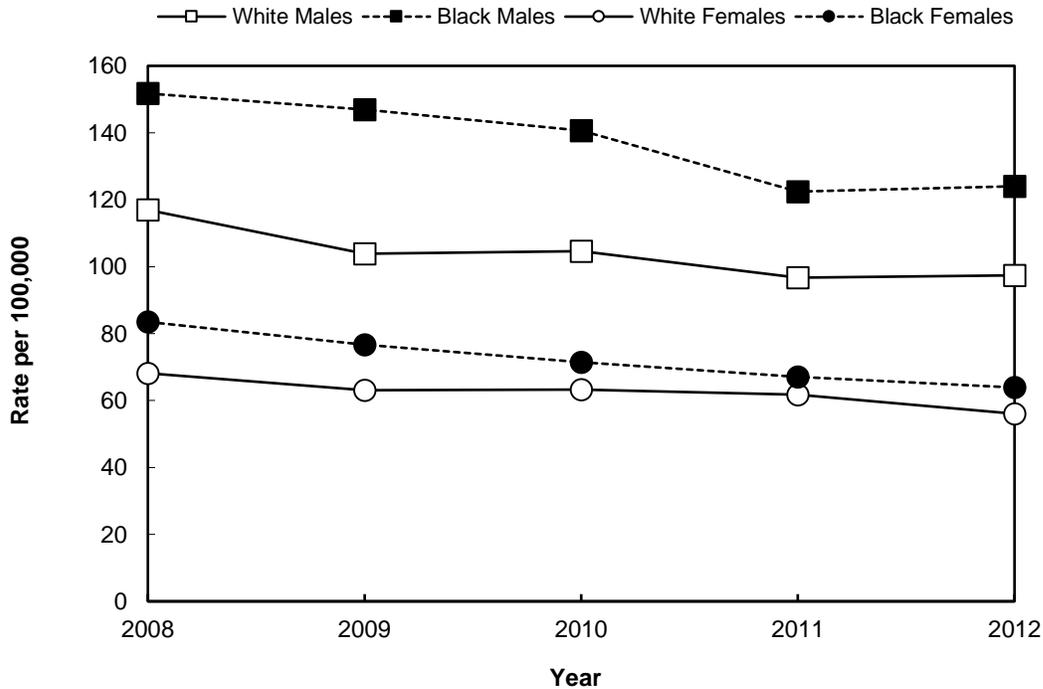
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	131.5	141.4	2008	77.1	78.9
2009	118.6	120.4	2009	69.8	77.4
2010	111.1	119.7	2010	64.1	79.4
2011	107.0	111.1	2011	63.1	73.8
2012	106.3	116.0	2012	58.9	65.1

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 HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	5,230	853	3,598	503	247	108
2012	5,254	866	3,330	483	240	95



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	96.7	122.4	61.8	67.1	71.4	31.9
2012	97.4	124.0	56.1	63.9	65.6	26.1

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 HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>60,317</b>	<b>95.3</b>	<b>36,637</b>	<b>118.9</b>	<b>23,544</b>	<b>72.6</b>		<b>42,786</b>	<b>93.0</b>	<b>17,531</b>	<b>101.6</b>	
< 5	544	14.9	352	18.8	190	10.6	*	428	15.6	116	12.8	*
5-9	969	25.7	623	32.4	343	18.6	*	786	28.1	183	18.9	*
10-14	1,272	32.2	829	41.0	442	22.9	*	960	32.9	312	30.0	
15-19	5,308	117.5	3,259	142.2	2,034	91.4	*	3,570	109.2	1,738	139.1	*
20-24	7,273	163.9	4,732	210.4	2,518	115.1	*	5,216	162.8	2,057	166.9	
25-29	5,148	132.6	3,348	170.0	1,793	93.7	*	3,719	126.1	1,429	153.1	*
30-34	3,882	103.7	2,531	134.6	1,342	72.0	*	2,774	99.3	1,108	116.7	*
35-39	3,736	98.1	2,390	125.9	1,339	70.0	*	2,617	93.5	1,119	110.6	*
40-44	4,240	99.2	2,743	129.4	1,486	69.0	*	2,940	94.2	1,300	112.8	*
45-49	4,706	102.0	3,132	137.7	1,564	66.8	*	3,280	97.7	1,426	113.5	*
50-54	4,654	98.2	2,934	126.2	1,712	70.9	*	3,221	94.0	1,433	109.3	*
55-59	3,922	90.5	2,440	115.6	1,474	66.4	*	2,832	91.3	1,090	88.6	
60-64	3,348	90.7	1,945	109.8	1,396	72.7	*	2,379	91.0	969	89.8	
65-69	2,524	90.2	1,314	100.9	1,203	80.5	*	1,781	91.4	743	87.7	
70-74	2,285	104.0	1,161	118.3	1,121	92.3	*	1,590	104.3	695	103.4	
75-79	2,262	125.2	1,062	140.0	1,193	113.9	*	1,595	125.9	667	123.6	
80-84	2,260	152.2	985	171.7	1,271	139.5	*	1,653	156.8	607	141.1	*
85 +	1,984	127.4	857	174.3	1,123	105.4	*	1,445	129.0	539	123.4	

\* 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: MOTOR VEHICLE TRAFFIC

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>27,818</b>	<b>107.2</b>	<b>4,527</b>	<b>135.9</b>	<b>18,379</b>	<b>67.5</b>	<b>2,650</b>	<b>72.6</b>	<b>2,297</b>	<b>65.8</b>
< 5	133	9.2	124	46.4	103	7.5	43	16.5	63	16.2
5-9	278	18.4	209	79.5	179	12.4	95	37.2	95	26.9
10-14	470	29.2	211	75.6	263	17.2	92	34.4	121	37.0
15-19	2,464	134.6	404	125.3	1,577	88.6	218	70.5	234	68.3
20-24	3,535	196.6	572	183.3	1,826	104.7	342	110.8	321	100.7
25-29	2,403	150.6	465	185.8	1,303	85.0	282	110.9	255	87.9
30-34	1,762	114.8	413	183.5	899	60.0	249	104.3	198	72.2
35-39	1,730	109.9	345	163.8	986	63.0	185	80.8	169	67.0
40-44	2,072	115.4	331	149.6	1,131	62.7	173	70.8	170	74.1
45-49	2,428	123.6	382	171.8	1,221	61.2	185	73.9	165	81.5
50-54	2,322	113.6	340	163.9	1,347	64.4	213	88.2	143	91.4
55-59	1,961	104.4	267	156.6	1,157	59.4	159	77.2	92	78.0
60-64	1,589	99.6	166	128.7	1,173	69.0	115	69.0	82	97.8
65-69	1,103	93.0	105	123.3	995	74.3	103	87.1	54	94.1
70-74	989	110.3	74	118.2	972	88.8	63	66.6	45	117.3
75-79	934	133.6	56	123.3	1,057	110.9	60	77.4	33	123.2
80-84	878	164.2	31	100.7	1,149	137.1	46	75.4	35	199.2
85 +	767	167.2	32	120.6	1,041	105.4	27	41.2	22	139.1

\* 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 INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>4,315</b>	<b>93.3</b>	<b>3,094</b>	<b>88.0</b>	<b>8,922</b>	<b>112.3</b>	<b>24,027</b>	<b>94.7</b>	<b>7,030</b>	<b>81.5</b>	<b>12,929</b>	<b>63.9</b>		
< 5	28	11.1	15	7.9	72	16.8	289	18.0	73	12.6	-	66	9.4	
5-9	41	15.4	-	40	21.4	132	28.7	523	32.4	120	21.9	114	15.5	
10-14	74	25.7	60	33.1	182	36.3	633	38.2	130	22.4	-	198	25.2	
15-19	398	117.9	329	104.9	833	146.8	2,064	112.3	696	126.6	943	103.6		
20-24	514	164.6	380	102.6	-	1,085	205.3	3,002	165.8	796	154.2	1,484	166.2	
25-29	357	137.7	246	122.4	694	154.3	2,165	128.2	511	123.2	-	1,162	145.7	
30-34	271	105.2	181	93.1	510	114.1	1,589	100.2	434	89.7	897	116.4	+	
35-39	276	103.0	168	87.7	550	115.8	1,436	91.2	450	89.1	849	108.2	+	
40-44	338	111.5	194	90.2	657	120.3	1,595	91.8	508	84.4	933	104.4		
45-49	328	99.2	201	87.3	728	122.2	1,801	97.5	520	88.0	-	1,087	110.1	+
50-54	386	109.8	212	84.6	705	116.1	1,782	96.5	539	90.0	-	1,034	97.0	
55-59	277	83.8	216	91.0	566	102.2	1,496	91.1	450	74.8	-	912	91.4	
60-64	242	85.2	170	81.1	503	102.9	1,256	91.9	422	81.0	773	90.9		
65-69	175	79.2	147	88.2	392	103.6	983	96.5	370	84.5	499	79.1		
70-74	178	99.7	158	124.6	340	117.2	880	112.1	268	89.3	-	501	97.5	
75-79	163	111.7	139	131.3	345	146.8	886	136.5	+	275	110.7	477	110.3	
80-84	144	121.0	121	144.9	333	172.9	846	159.7	250	128.7	561	148.7		
85 +	125	102.4	117	139.1	295	147.6	801	140.9	218	133.0	439	110.7	-	

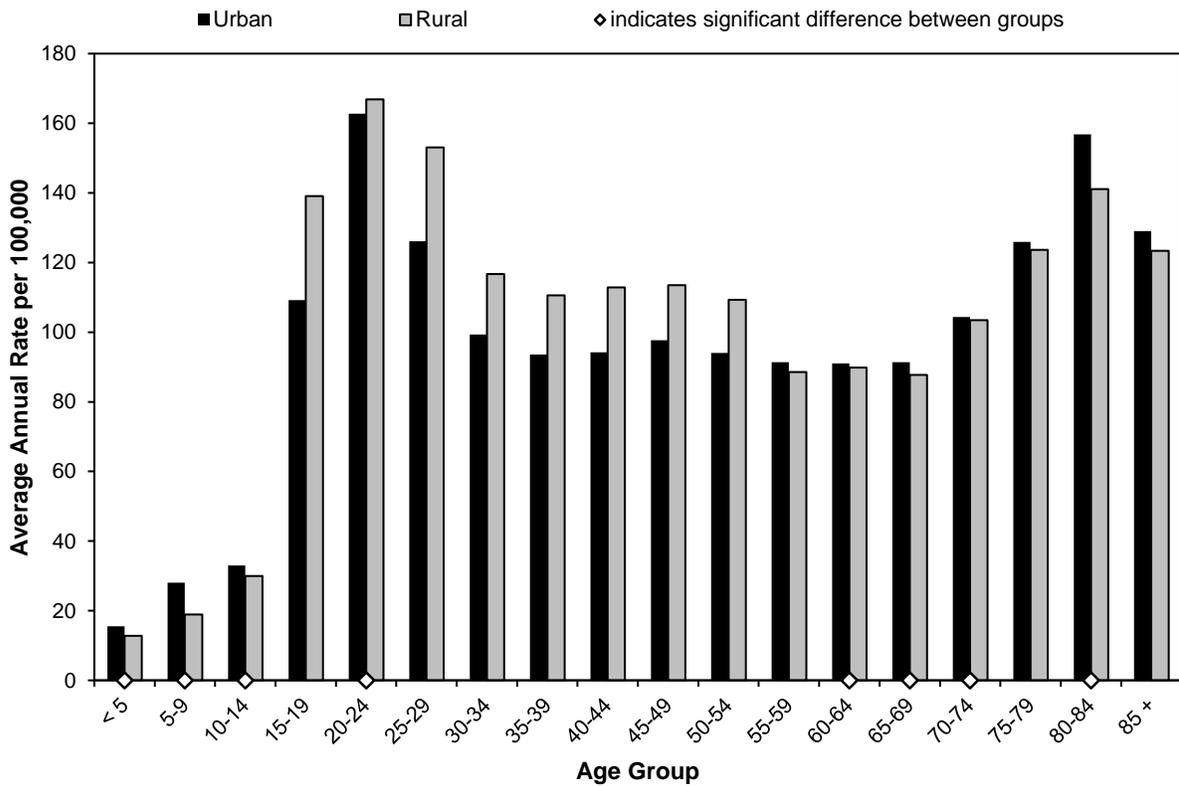
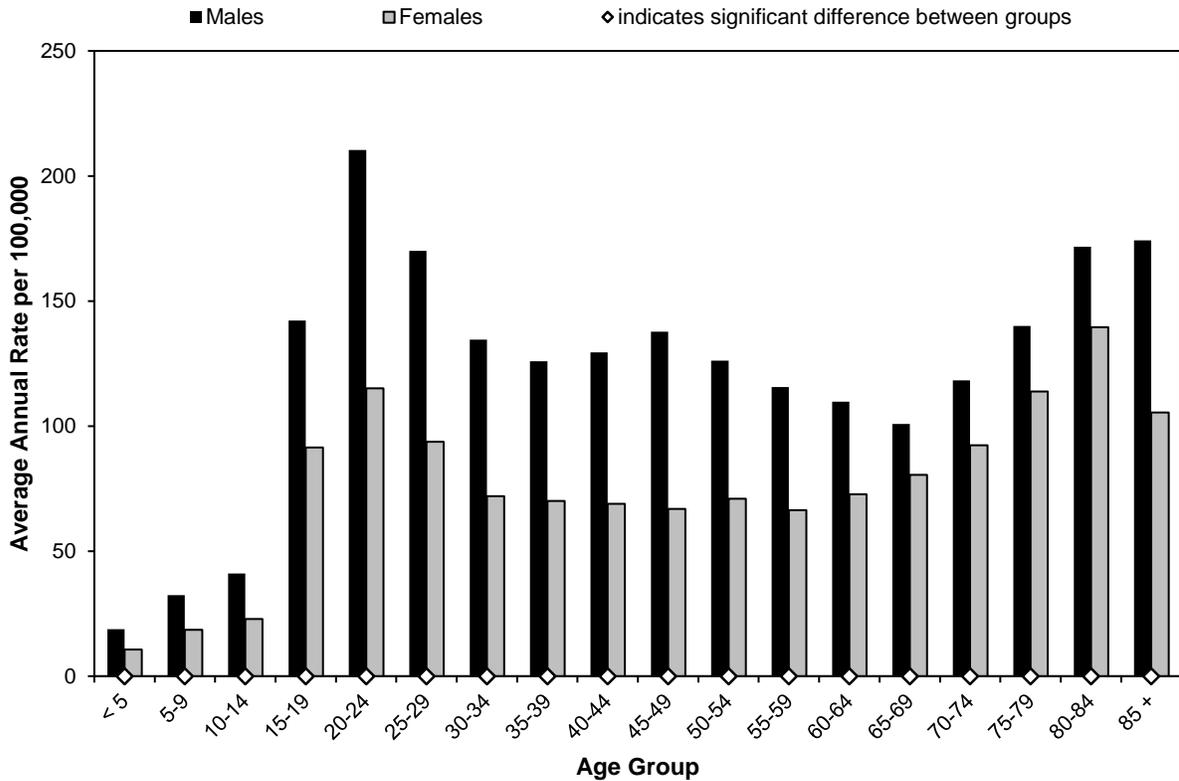
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

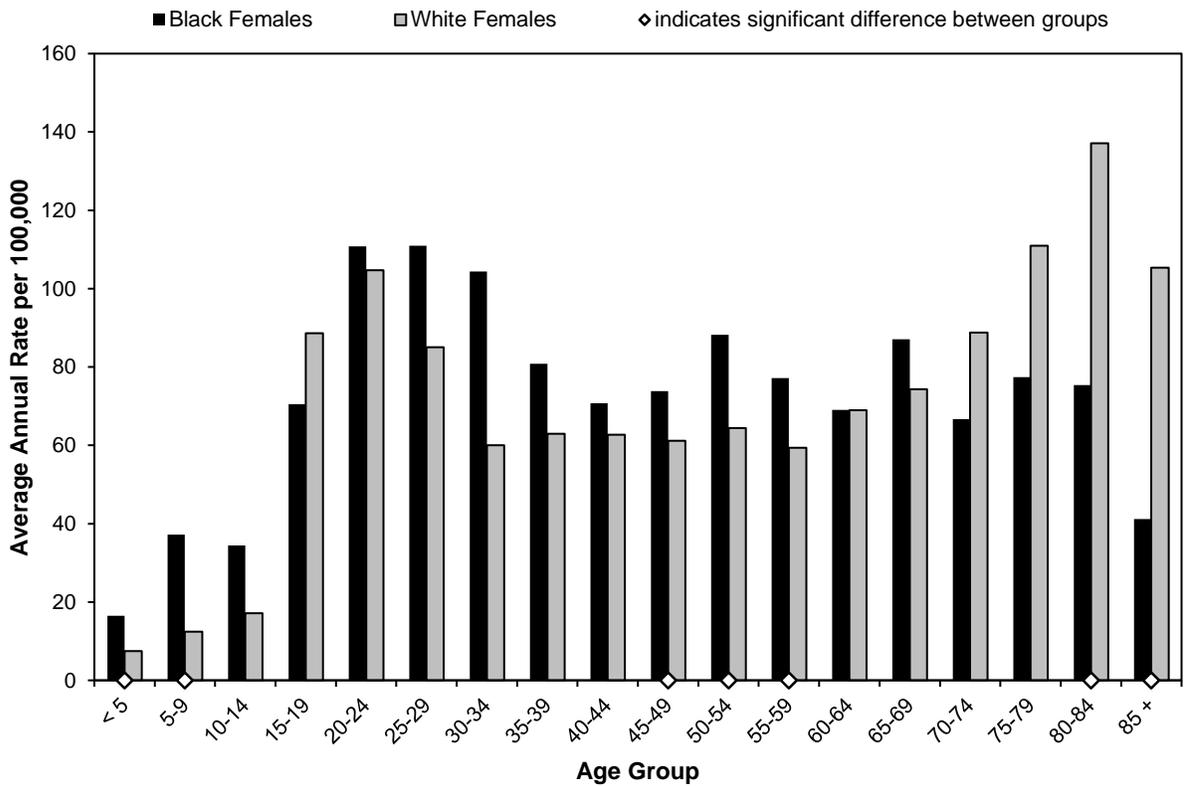
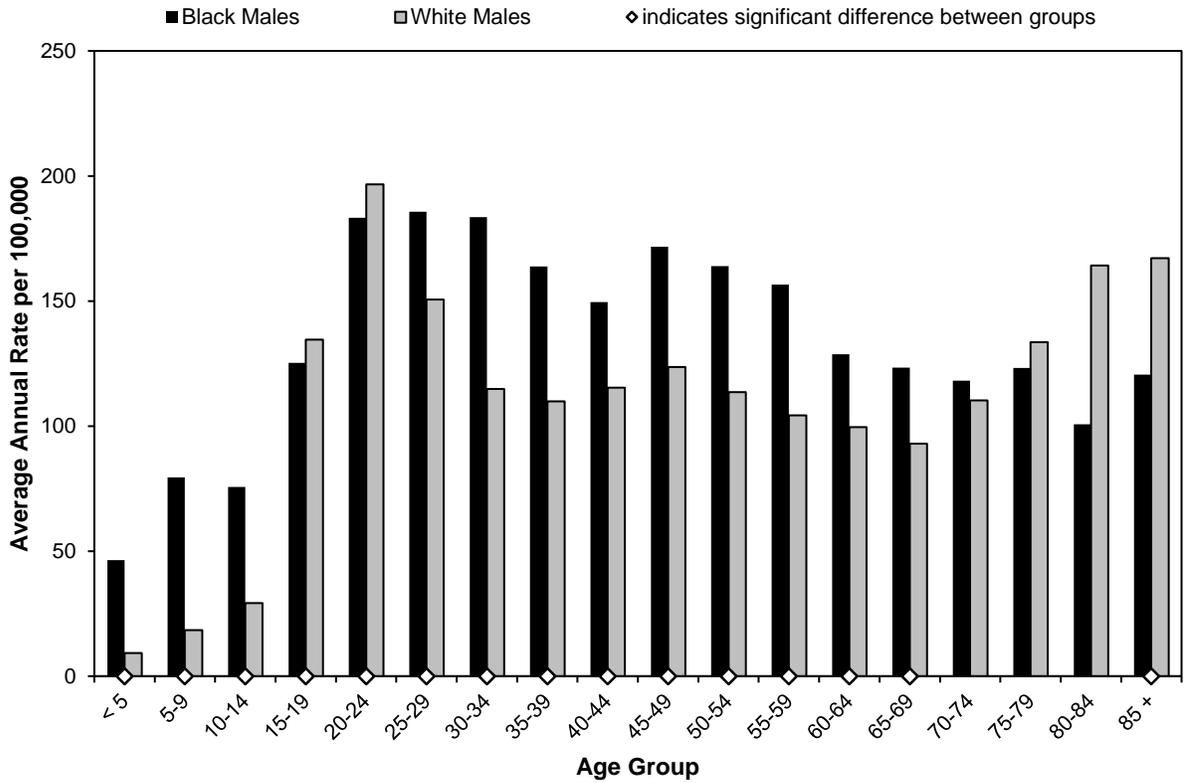
# INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

## AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

## NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	8,922	109.0	106.8-111.3	+	<b>Southeast</b>	24,027	92.4	91.3-93.6	
Carbon	445	139.8	126.8-152.8	+	Berks	1,987	95.4	91.2-99.6	
Lackawanna	960	87.3	81.8-92.9		Bucks	2,910	92.8	89.4-96.2	
Lehigh	1,997	112.1	107.2-117.0	+	Chester	1,646	65.7	62.5-68.9	-
Luzerne	1,426	86.0	81.5-90.5	-	Delaware	2,808	97.7	94.1-101.3	+
Monroe	1,248	145.7	137.6-153.8	+	Lancaster	2,330	88.7	85.1-92.3	-
Northampton	1,863	120.2	114.7-125.6	+	Montgomery	3,280	80.0	77.3-82.8	-
Pike	271	96.4	84.9-107.9		Philadelphia	8,120	104.3	102.0-106.5	+
Susquehanna	193	93.1	80.0-106.3		Schuylkill	946	127.2	119.1-135.3	+
Wayne	296	114.3	101.3-127.4	+					
Wyoming	223	157.4	136.7-178.0	+					
<b>North Central</b>	3,094	83.7	80.8-86.6	-	<b>South Central</b>	7,030	82.9	80.9-84.8	-
Bradford	336	113.9	101.7-126.1	+	Adams	434	85.1	77.1-93.1	
Centre	445	57.4	52.1-62.8	-	Bedford	288	120.0	106.1-133.8	+
Clinton	192	97.4	83.6-111.2		Blair	545	84.8	77.7-91.9	-
Columbia	338	95.7	85.5-105.9		Cumberland	862	69.5	64.8-74.1	-
Lycoming	536	86.1	78.8-93.4		Dauphin	1,045	79.0	74.2-83.8	-
Montour	99	109.4	87.8-130.9		Franklin	487	64.8	59.1-70.6	-
Northumberland	496	105.2	96.0-114.5	+	Fulton	90	126.2	100.1-152.3	+
Potter	60	69.1	51.6-86.6	-	Huntingdon	236	98.2	85.7-110.7	
Snyder	141	68.3	57.0-79.6	-	Juniata	111	90.6	73.8-107.5	
Sullivan	46	150.5	107.0-194.0	+	Lebanon	666	97.3	89.9-104.7	
Tioga	229	107.4	93.5-121.3	+	Mifflin	203	89.7	77.4-102.1	
Union	176	72.9	62.1-83.7	-	Perry	305	137.0	121.7-152.4	+
					York	1,758	80.0	76.3-83.8	-
<b>Northwest</b>	4,315	91.1	88.3-93.8		<b>Southwest</b>	12,929	92.2	90.6-93.8	
Cameron	34	127.1	84.4-169.8		Allegheny	5,196	80.5	78.3-82.6	-
Clarion	253	125.2	109.8-140.7	+	Armstrong	399	121.6	109.6-133.5	+
Clearfield	449	108.7	98.6-118.7	+	Beaver	727	81.7	75.7-87.6	-
Crawford	428	96.4	87.3-105.5		Butler	899	97.1	90.8-103.5	
Elk	198	122.2	105.2-139.3	+	Cambria	792	107.0	99.5-114.4	+
Erie	1,157	80.3	75.7-85.0	-	Fayette	735	105.1	97.5-112.7	+
Forest	43	102.2	71.6-132.7		Greene	93	45.7	36.4-54.9	-
Jefferson	291	130.9	115.9-145.9	+	Indiana	494	112.1	102.3-122.0	+
Lawrence	415	88.4	79.9-96.9		Somerset	411	101.4	91.6-111.2	
McKean	147	64.6	54.2-75.1	-	Washington	1,135	109.3	102.9-115.6	+
Mercer	397	66.0	59.5-72.5	-	Westmoreland	2,048	112.7	107.8-117.5	+
Venango	312	117.7	104.6-130.8	+					
Warren	191	96.3	82.6-109.9		<b>Pennsylvania</b>	<b>60,317</b>	<b>92.5</b>	<b>91.7-93.2</b>	

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 INJURY HOSPITALIZATIONS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	36,637	23,544	<b>60,181</b>	8,357	52.6	16,211	134.4	12,714	100.1	11,839	92.8	11,196	113.8
<b>Northeast</b>	5,376	3,471	<b>8,847</b>	1,275	65.1	2,253	158.1	1,950	120.6	1,756	106.4	1,420	130.3
Carbon	282	160	442	73	101.9	117	211.4	105	156.7	92	128.9	58	100.9
Lackawanna	596	362	958	131	52.2	228	114.3	203	99.3	189	87.2	209	110.3
Lehigh	1,177	819	1,996	278	61.1	519	158.9	417	117.8	396	115.5	387	147.2
Luzerne	819	547	1,366	191	52.7	353	122.4	300	93.4	250	76.3	332	115.3
Monroe	787	458	1,245	175	77.0	331	226.9	297	163.6	270	152.2	175	162.0
Northampton	1,124	738	1,862	245	64.3	475	175.5	388	127.6	382	126.3	373	161.2
Pike	154	115	269	35	49.7	77	182.2	65	103.2	50	74.0	44	91.6
Susquehanna	113	80	193	51	103.9	38	115.8	38	92.4	32	63.8	34	90.7
Wayne	173	122	295	40	73.1	70	173.7	77	145.8	59	93.6	50	99.5
Wyoming	151	70	221	56	156.8	45	192.3	60	216.0	36	117.4	26	113.9
<b>Southeast</b>	14,633	9,384	<b>24,017</b>	3,509	52.3	6,756	132.8	4,832	93.7	4,534	93.4	4,396	123.8
Berks	1,251	735	1,986	311	55.6	490	130.7	443	105.4	365	92.4	378	126.6
Bucks	1,717	1,193	2,910	358	45.5	737	144.5	609	88.4	579	85.0	627	136.4
Chester	990	656	1,646	186	26.9	449	102.3	356	65.3	315	63.0	340	105.0
Delaware	1,659	1,149	2,808	397	53.3	803	149.1	537	96.2	527	95.9	544	135.8
Lancaster	1,416	913	2,329	333	46.4	606	124.2	466	93.6	477	98.2	448	114.9
Montgomery	1,907	1,372	3,279	364	36.3	812	115.1	618	72.2	699	87.1	787	130.2
Philadelphia	5,111	3,007	8,118	1,427	69.7	2,607	137.2	1,584	110.5	1,400	108.9	1,102	117.3
Schuylkill	582	359	941	133	82.6	252	195.4	219	138.4	172	111.6	170	126.2

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	36,637	23,544	<b>60,181</b>	8,357	52.6	16,211	134.4	12,714	100.1	11,839	92.8	11,196	113.8
<b>North Central</b>	1,816	1,237	<b>3,053</b>	562	66.2	772	102.8	597	92.5	555	82.5	608	109.7
Bradford	197	138	335	44	56.7	107	216.1	73	118.4	47	70.4	65	117.8
Centre	259	182	441	70	37.6	140	57.4	79	64.6	80	69.0	76	87.7
Clinton	109	81	190	45	90.1	37	95.3	46	134.3	37	99.9	27	85.1
Columbia	185	148	333	44	52.9	85	121.0	63	106.0	74	114.6	72	132.5
Lycoming	322	200	522	63	44.9	133	118.5	106	93.8	102	84.4	132	136.1
Montour	54	44	98	23	107.0	18	122.5	17	98.3	21	105.0	20	118.5
Northumberland	309	180	489	87	82.1	114	144.8	88	93.8	90	89.9	117	133.9
Potter	37	22	59	23	107.8	10	76.9	10	62.7	10	53.0	7	NSR
Snyder	89	51	140	26	50.0	35	90.8	27	72.0	25	66.0	28	93.7
Sullivan	24	21	45	11	163.9	10	228.9	8	NSR	9	NSR	8	NSR
Tioga	118	110	228	74	139.6	52	142.0	49	131.4	30	68.8	24	63.3
Union	113	60	173	52	102.2	31	61.2	31	64.9	30	75.6	32	97.1
<b>South Central</b>	4,351	2,670	<b>7,021</b>	1,065	50.6	1,757	116.3	1,510	88.3	1,409	82.6	1,289	99.0
Adams	267	167	434	73	56.3	110	123.4	92	87.6	72	69.0	87	109.5
Bedford	164	124	288	55	93.2	61	156.7	71	140.6	47	88.6	54	115.8
Blair	359	186	545	65	42.5	137	122.1	127	104.5	120	90.2	96	85.0
Cumberland	510	352	862	127	44.3	208	89.0	177	75.6	168	71.8	182	98.4
Dauphin	655	389	1,044	158	46.7	276	111.3	249	91.1	201	72.3	161	87.3
Franklin	296	190	486	88	45.3	98	75.4	101	68.9	87	60.3	113	90.4
Fulton	59	31	90	32	174.8	21	170.7	20	130.0	15	98.2	2	NSR
Huntingdon	146	89	235	29	55.5	66	149.3	47	98.5	50	106.6	44	117.0
Juniata	58	52	110	19	61.3	22	108.7	21	87.9	27	111.0	22	106.1
Lebanon	407	259	666	109	65.2	157	130.9	118	91.2	130	98.1	152	133.8
Mifflin	132	68	200	27	45.6	50	133.2	49	107.7	42	90.0	35	80.6
Perry	199	106	305	54	91.4	86	220.1	72	149.0	50	99.3	43	136.3
York	1,099	657	1,756	229	41.1	465	120.6	366	78.0	400	90.5	298	96.5

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	36,637	23,544	<b>60,181</b>	8,357	52.6	16,211	134.4	12,714	100.1	11,839	92.8	11,196	113.8
<b>Northwest</b>	2,610	1,705	<b>4,315</b>	614	53.7	1,133	136.7	957	106.1	871	90.1	740	94.1
Cameron	16	18	34	9	NSR	9	NSR	11	235.1	5	NSR	0	NSR
Clarion	155	98	253	23	46.1	73	179.9	56	157.0	57	144.8	44	131.0
Clearfield	256	193	449	62	69.7	115	159.4	111	124.6	89	102.8	72	99.0
Crawford	247	181	428	43	37.7	129	170.6	84	99.6	94	100.0	78	105.3
Elk	119	79	198	32	87.6	43	187.3	35	102.5	42	118.2	46	151.5
Erie	716	441	1,157	141	38.3	342	121.0	269	100.1	220	79.5	185	90.1
Forest	18	25	43	11	194.7	10	101.8	8	NSR	12	165.7	2	NSR
Jefferson	187	104	291	37	68.6	86	229.2	61	139.2	65	135.1	42	101.6
Lawrence	256	159	415	53	48.5	88	119.6	85	98.3	97	99.6	92	108.1
McKean	86	61	147	48	91.3	28	72.7	30	67.5	27	61.5	14	37.8
Mercer	235	162	397	44	30.4	91	93.3	88	79.4	87	71.9	87	81.4
Venango	193	119	312	75	114.5	67	155.6	83	159.1	39	62.3	48	97.5
Warren	126	65	191	36	76.0	52	164.8	36	88.9	37	77.9	30	77.2
<b>Southwest</b>	7,851	5,077	<b>12,928</b>	1,332	42.6	3,540	143.8	2,868	107.6	2,714	93.1	2,475	105.3
Allegheny	3,123	2,073	5,196	475	33.6	1,428	118.2	1,108	93.6	1,169	91.1	1,016	99.0
Armstrong	252	147	399	50	62.7	111	210.7	104	150.4	70	90.9	64	100.0
Beaver	441	286	727	67	34.3	172	121.5	171	101.5	139	72.7	178	112.1
Butler	543	356	899	113	47.8	236	151.6	217	111.6	181	93.3	152	107.8
Cambria	476	316	792	86	53.0	222	178.5	161	116.4	159	101.2	164	121.2
Fayette	450	284	734	76	48.2	212	182.2	157	111.1	146	94.0	144	115.8
Greene	60	33	93	21	47.8	24	64.2	21	52.0	16	37.8	11	36.7
Indiana	305	189	494	44	39.3	149	155.8	111	146.0	93	106.5	97	137.9
Somerset	243	168	411	50	60.8	97	146.2	79	98.7	95	112.1	90	123.0
Washington	693	442	1,135	133	54.5	307	173.3	281	136.4	220	96.2	194	106.1
Westmoreland	1,265	783	2,048	217	53.7	582	202.8	458	124.9	426	102.8	365	105.9

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: MOTOR VEHICLE TRAFFIC

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),  
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	1,001	126.2	118.4-134.0	Allegheny	3,765	68.6	66.4-70.8	Berks	147	53.7	45.0-62.3
Chester	120	77.5	63.6-91.3	Chester	1,414	63.6	60.3-66.9	Lancaster	52	26.4	19.2-33.5
Dauphin	192	81.8	70.2-93.3	Dauphin	738	72.3	67.1-77.6	Lehigh	162	49.3	41.7-56.8
Delaware	643	117.4	108.4-126.5	Delaware	1,959	89.6	85.6-93.6	Philadelphia	827	88	82.4-94.5
Montgomery	303	84.0	74.5-93.4	Montgomery	2,535	73.2	70.4-76.1				
Philadelphia	3,807	111.0	107.5-114.6	Philadelphia	2,661	71.6	68.9-74.3				
Pennsylvania	7,179	102.6	100.2-104.9	Pennsylvania	46,323	83.1	82.4-83.9	Pennsylvania	2,302	75.0	71.9-78.0

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES  
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	619.0	382	<b>1,001</b>	19.3%	150	56.7	319	181.9	258	172.6	203	144.6	71	78.6
	White	82.1%	2,218	1,547	<b>3,765</b>	72.5%	284	27.1	956	100.4	754	76.7	885	79.3	886	96.2
Chester	Black	6.3%	75	45	<b>120</b>	7.3%	14	28.2	42	118.1	31	104.3	19	73.9	14	88.3
	White	87.9%	842	572	<b>1,414</b>	85.9%	155	26.4	365	97.8	291	60.9	284	61.9	319	106.1
Dauphin	Black	18.3%	129	63	<b>192</b>	18.4%	44	53.7	59	120.1	47	97.1	26	63.9	16	75.3
	White	75.3%	452	285	<b>737</b>	70.6%	98	44.3	169	94.1	169	81.3	167	73.4	135	84.8
Delaware	Black	19.6%	384	259	<b>643</b>	22.9%	138	74.7	215	166.3	141	125.9	96	119.5	53	126.8
	White	73.7%	1,152	807	<b>1,959</b>	69.8%	227	46.0	528	143.2	341	84.3	392	88.4	471	135.9
Montgomery	Black	8.9%	182	121	<b>303</b>	9.2%	53	51.6	91	120.9	72	90.2	64	104.8	23	65.2
	White	82.7%	1,465	1,069	<b>2,534</b>	77.3%	243	30.8	596	107.1	453	65.0	549	78.9	694	127.0
Philadelphia	Black	44.8%	2,403	1,404	<b>3,807</b>	46.9%	791	74.8	1,233	163.3	789	120.6	658	114.2	336	91.5
	White	45.0%	1,623	1,036	<b>2,659</b>	32.8%	217	29.1	791	86.6	511	80.5	533	87.7	609	116.3
Pennsylvania	Black	11.0%	4,527	2,650	<b>7,177</b>	11.9%	1,397	62.8	2,323	146.2	1,601	116.2	1,261	112.5	597	89.4
	White	84.1%	27,818	18,379	<b>46,197</b>	76.8%	5,486	43.8	11,763	121.2	9,595	89.7	9,569	85.0	9,910	110.3

## INJURY HOSPITALIZATIONS: SELF-POISONING

In 2012, among Pennsylvania residents, there were 7,026 hospitalizations due to self-inflicted poisoning (self-poisoning). On average, one resident was hospitalized every 75 minutes.

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### Injury Definition

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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 generally **decreased** from 2008 to 2012.
- Most common demographic is **white females**, ages 15 to 54.
- Of all Pennsylvania counties, **Carbon** and **Schuylkill** had the highest rates.

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### Trends Over Time

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- Age-adjusted hospitalization rates for self-poisoning decreased by 10 percent from 67.4 hospitalizations per 100,000 population in 2008 to 60.8 hospitalizations per 100,000 population in 2010. It then increased by 1 percent to 61.3 in 2011. It finally decreased by 7 percent to 56.8 hospitalizations per 100,000 population in 2012.
- Females had significantly higher age-adjusted self-poisoning hospitalization rates than males for all ages where rates could be calculated except for ages 85 and older during the 2008 to 2012 period.
- Black males had higher age-adjusted self-poisoning hospitalization rates than white males from 2008 to 2011. In 2012, white males had higher rates than black males.

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### Demographic Trends

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- Among males, whites had significantly higher self-poisoning hospitalization rates for ages 15 to 34, while blacks had significantly higher rates for ages 35 to 69.
- Rural populations had higher self-poisoning hospitalization rates for ages under 40, while urban populations generally had higher rates for ages 50 and above.

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### Regional Trends

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- The Northwest Health District had the highest age-adjusted self-poisoning hospitalization rate, while the South Central Health District had the lowest rate. Other districts had high rates for certain age groups.
- Twenty-four counties had age-adjusted self-poisoning hospitalization rates in 2008 to 2012 that were significantly higher than the comparable state rate. The majority of these counties were rural counties.

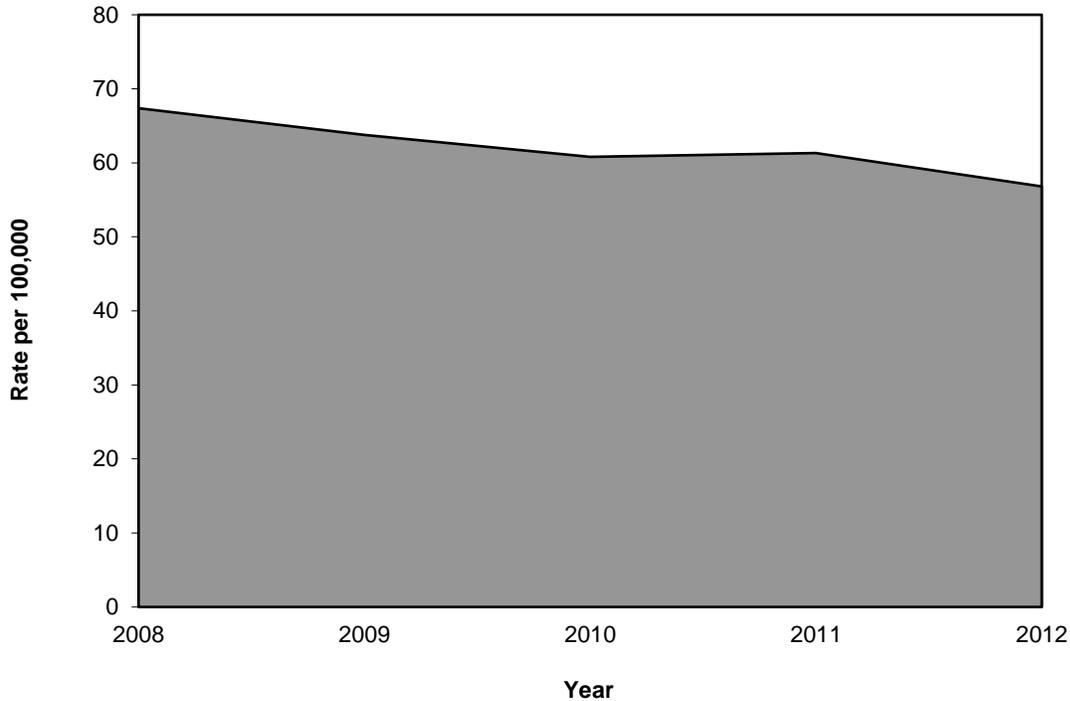
## INJURY HOSPITALIZATIONS: SELF-POISONING

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	8,173	67.4
2009	7,826	63.8
2010	7,527	60.8
2011	7,583	61.3
2012	7,026	56.8

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### AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	77.9	66.1	73.8	71.5	51.4	63.2
2009	80.4	57.1	69.7	66.1	53.0	59.6
2010	77.5	63.9	76.3	59.7	50.3	55.2
2011	68.9	59.2	74.8	59.0	58.2	59.3
2012	69.1	56.2	66.3	54.0	50.1	58.0

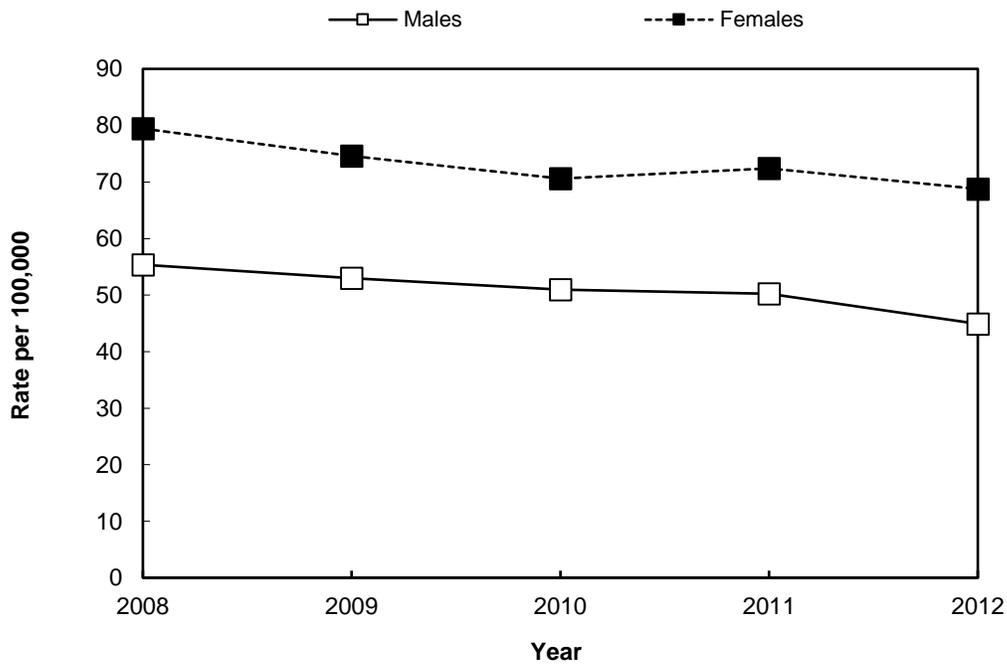
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-9 codes. See Technical Notes.

# INJURY HOSPITALIZATIONS: SELF-POISONING

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	3,079	50.2	2011	4,503	72.4
2012	2,772	44.9	2012	4,254	68.8



## AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

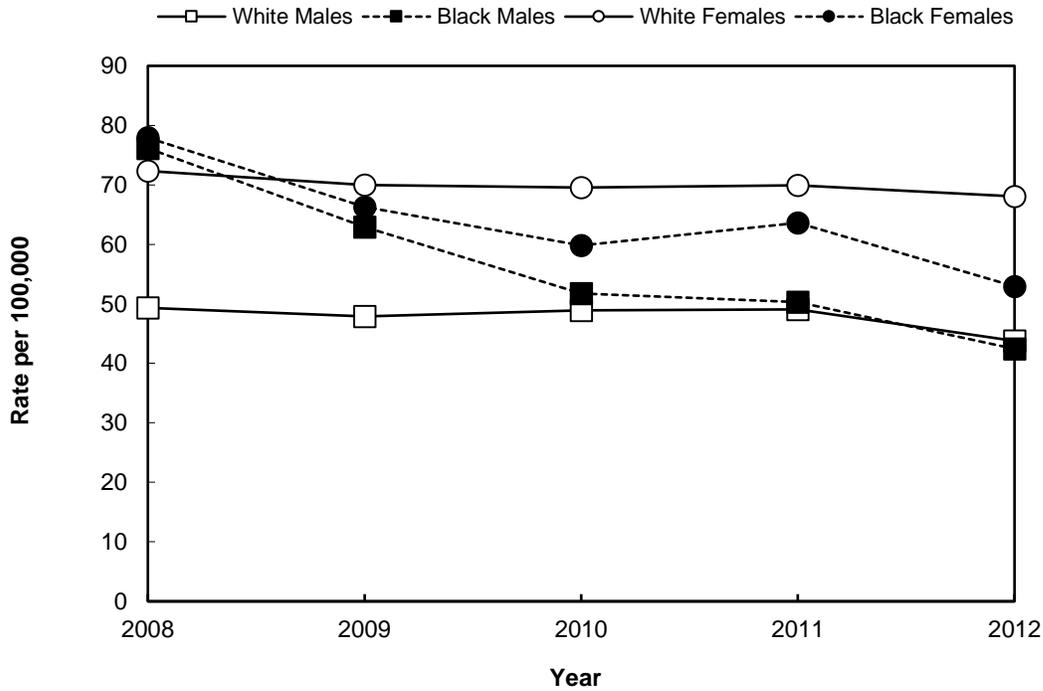
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	56.8	52.0	2008	77.4	85.4
2009	53.6	51.8	2009	72.9	79.8
2010	51.2	50.8	2010	66.7	82.2
2011	49.6	52.1	2011	69.3	82.0
2012	44.9	45.6	2012	66.5	76.1

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 HOSPITALIZATIONS: SELF-POISONING

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	2,521	343	3,616	479	106	175
2012	2,262	294	3,481	399	99	153



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	49.0	50.3	69.9	63.6	27.8	47.7
2012	43.8	42.4	68.1	52.9	25.6	38.9

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 HOSPITALIZATIONS: SELF-POISONING

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>38,135</b>	<b>60.3</b>	<b>15,531</b>	<b>50.4</b>	<b>22,600</b>	<b>69.6</b>		<b>27,468</b>	<b>59.7</b>	<b>10,667</b>	<b>61.8</b>	
< 5	5	NSR	3	NSR	2	NSR		5	NSR	0	NSR	
5-9	12	NSR	5	NSR	7	NSR		11	NSR	1	NSR	
10-14	461	11.7	85	4.2	376	19.5	*	336	11.5	125	12.0	
15-19	3,629	80.3	1,237	54.0	2,392	107.5	*	2,524	77.2	1,105	88.4	*
20-24	4,544	102.4	1,909	84.9	2,635	120.4	*	3,259	101.7	1,285	104.2	
25-29	4,086	105.2	1,669	84.7	2,417	126.3	*	2,875	97.5	1,211	129.7	*
30-34	3,707	99.0	1,599	85.0	2,106	113.0	*	2,644	94.7	1,063	111.9	*
35-39	3,913	102.7	1,626	85.7	2,287	119.6	*	2,716	97.1	1,197	118.3	*
40-44	4,398	102.9	1,832	86.5	2,565	119.0	*	3,229	103.4	1,169	101.5	
45-49	4,619	100.1	1,943	85.4	2,675	114.3	*	3,288	97.9	1,331	105.9	*
50-54	3,674	77.5	1,539	66.2	2,135	88.5	*	2,707	79.0	967	73.7	
55-59	2,180	50.3	962	45.6	1,218	54.8	*	1,643	53.0	537	43.6	*
60-64	1,206	32.7	494	27.9	712	37.1	*	897	34.3	309	28.6	*
65-69	645	23.1	228	17.5	417	27.9	*	493	25.3	152	17.9	*
70-74	375	17.1	133	13.5	242	19.9	*	289	19.0	86	12.8	*
75-79	300	16.6	125	16.5	175	16.7		236	18.6	64	11.9	*
80-84	217	14.6	74	12.9	143	15.7	*	179	17.0	38	8.8	*
85 +	164	10.5	68	13.8	96	9.0	*	137	12.2	27	6.2	*

\* 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 HOSPITALIZATIONS: SELF-POISONING

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>12,254</b>	<b>47.2</b>	<b>1,825</b>	<b>54.8</b>	<b>18,000</b>	<b>66.1</b>	<b>2,334</b>	<b>64.0</b>	<b>1,794</b>	<b>51.4</b>		
< 5	0	NSR	3	NSR	0	NSR	2	NSR	0	NSR		
5-9	2	NSR	1	NSR	0	NSR	4	NSR	4	NSR		
10-14	47	2.9	20	7.2	*	225	14.7	57	21.3	*	46	14.1
15-19	960	52.4	113	35.0	*	1,687	94.8	333	107.7	*	232	67.8
20-24	1,466	81.5	218	69.9	*	1,987	114.0	320	103.6		261	81.9
25-29	1,331	83.4	174	69.5	*	1,901	124.0	261	102.7	*	211	72.7
30-34	1,272	82.9	174	77.3		1,625	108.4	252	105.6		209	76.3
35-39	1,258	79.9	199	94.5	*	1,839	117.5	236	103.0		200	79.3
40-44	1,392	77.5	288	130.1	*	2,043	113.2	270	110.5		226	98.6
45-49	1,519	77.3	253	113.8	*	2,256	113.0	231	92.2	*	169	83.5
50-54	1,254	61.4	187	90.1	*	1,800	86.1	195	80.8		110	70.3
55-59	786	41.8	121	71.0	*	1,031	52.9	103	50.0		58	49.1
60-64	402	25.2	48	37.2	*	637	37.5	32	19.2	*	38	45.3
65-69	204	17.2	10	11.7	*	371	27.7	17	14.4	*	14	24.4
70-74	115	12.8	10	16.0		214	19.5	13	13.8	*	6	NSR
75-79	113	16.2	3	NSR		158	16.6	4	NSR		6	NSR
80-84	68	12.7	2	NSR		135	16.1	2	NSR		3	NSR
85 +	65	14.2	1	NSR		91	9.2	2	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 INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST						
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate					
<b>TOTAL</b>	<b>3,228</b>	<b>69.8</b>		<b>2,024</b>	<b>60.5</b>		<b>5,507</b>	<b>69.3</b>		<b>15,578</b>	<b>61.4</b>		<b>4,216</b>	<b>52.7</b>		<b>7,582</b>	<b>63.9</b>
< 5	0	NSR		1	NSR		0	NSR		4	NSR		0	NSR		1	NSR
5-9	0	NSR	-	2	NSR	-	1	NSR		7	NSR		0	NSR		3	NSR
10-14	43	15.0	+	29	14.8		79	15.8	+	203	12.2		57	10.2		59	7.5
15-19	332	98.3	+	224	77.7		560	98.7	+	1,488	80.9		376	62.2	-	642	70.5
20-24	389	124.5	+	270	72.8	-	720	136.3	+	1,832	101.2		467	87.2		839	93.9
25-29	367	141.6	+	263	130.6	+	574	127.6	+	1,581	93.6	-	458	92.2		838	105.0
30-34	336	130.5	+	193	101.2		553	123.8	+	1,429	90.1	-	419	84.5	-	787	102.1
35-39	343	128.0	+	200	104.9		546	115.0	+	1,504	95.6	-	453	90.2		834	106.3
40-44	409	134.9	+	190	89.9		613	112.2		1,800	103.6		462	82.7	-	904	101.2
45-49	390	117.9	+	243	115.5		637	106.9		1,863	100.8		560	99.1		956	96.9
50-54	287	81.6	0	172	68.9		520	85.7	+	1,617	87.6	+	407	66.5	-	697	65.4
55-59	163	49.3	0	103	42.5		300	54.1		944	57.5	+	245	41.9	-	451	45.2
60-64	71	25.0	-	49	22.7	-	179	36.6		501	36.7	+	162	32.5		247	29.0
65-69	43	19.5	-	33	19.5	-	90	23.8		288	28.3	+	72	18.2	-	126	20.0
70-74	19	10.6	-	16	13.5	-	47	16.2		190	24.2	+	37	12.3	-	68	13.2
75-79	16	11.0	-	18	14.5	-	31	13.2	-	142	21.9	+	20	11.9	-	58	13.4
80-84	11	9.2	-	9	NSR	-	28	14.5		110	20.8	+	14	11.6	-	40	10.6
85 +	9	NSR		9	NSR	-	29	14.5	+	75	13.2	+	7	NSR	-	32	8.1

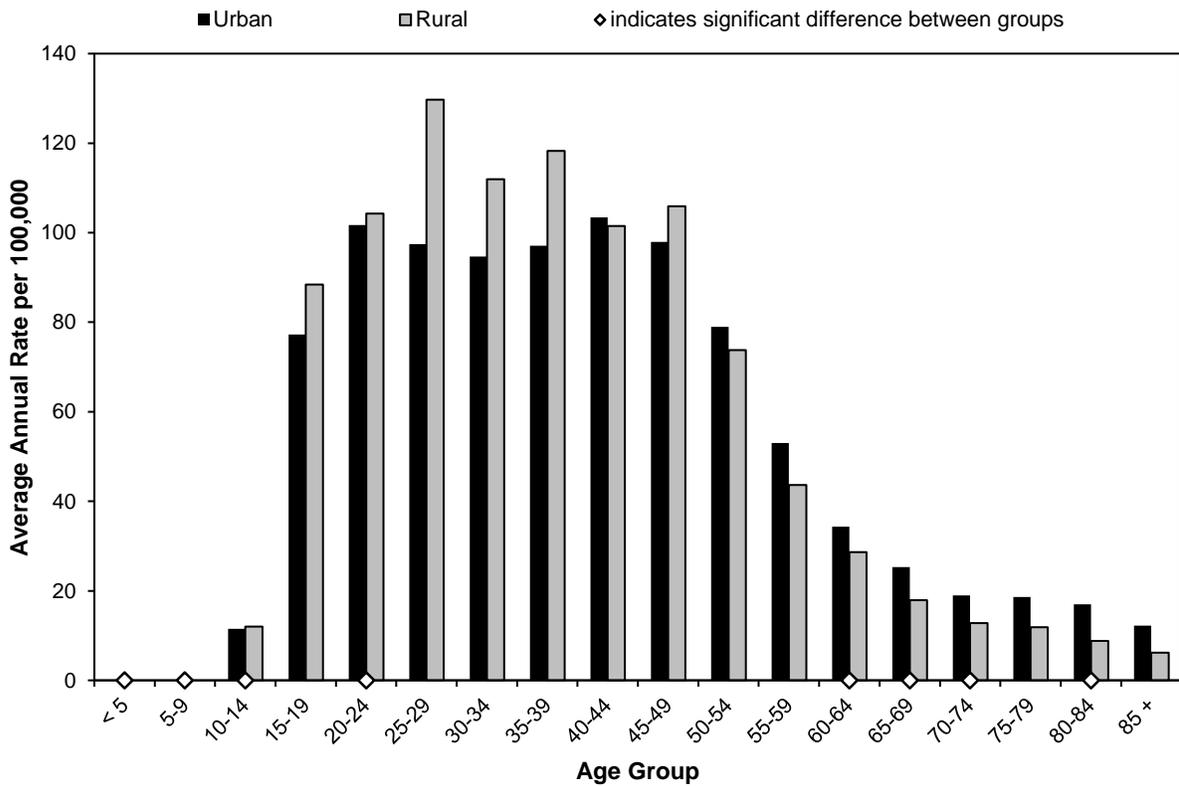
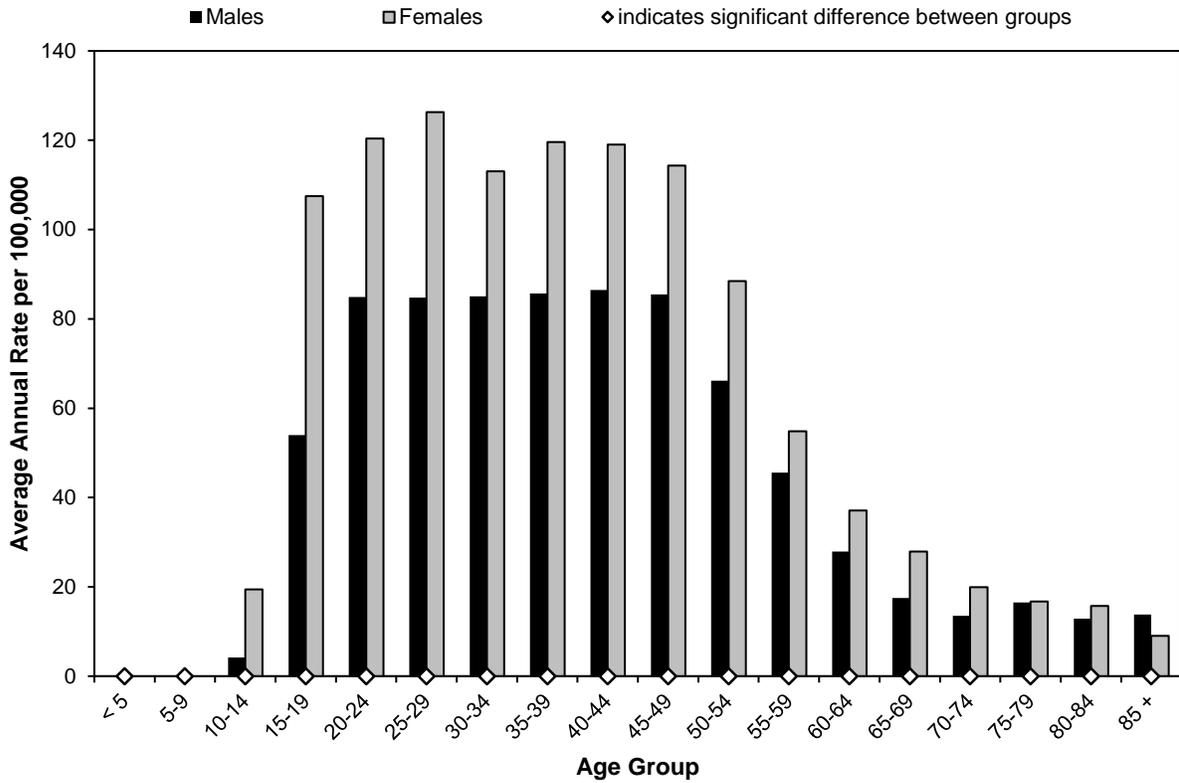
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

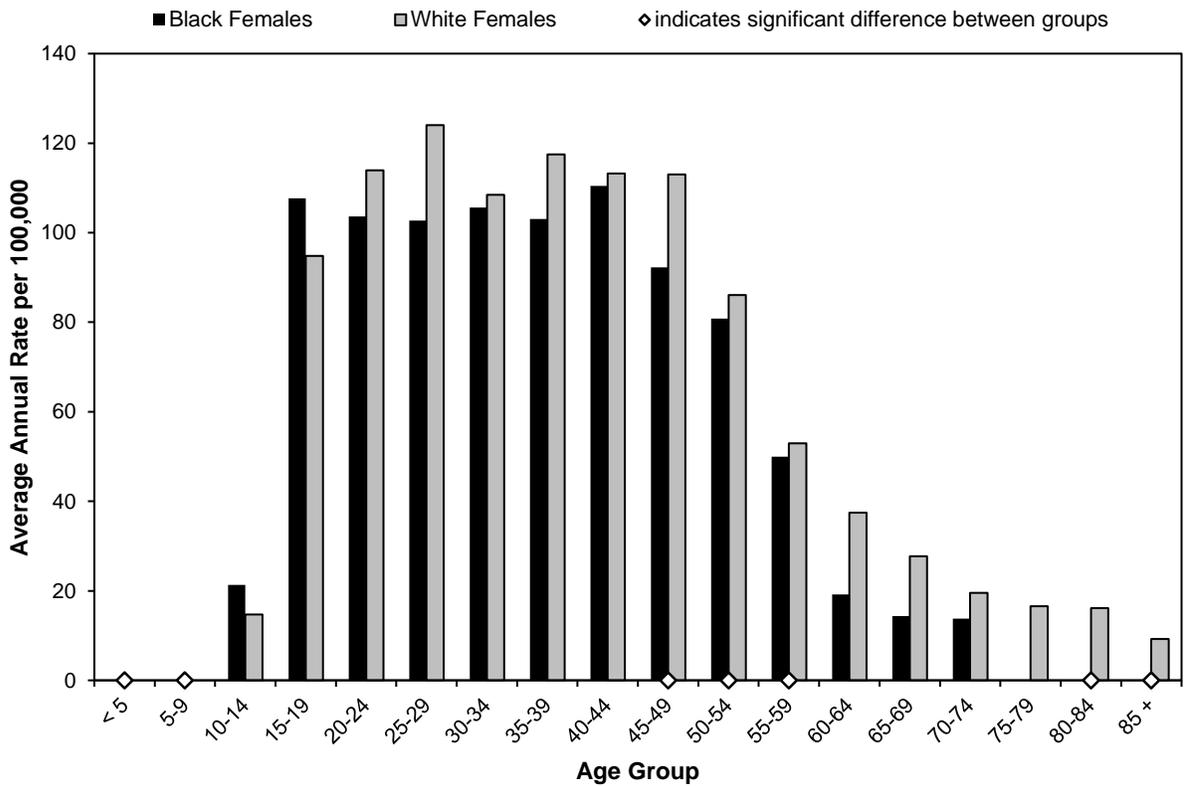
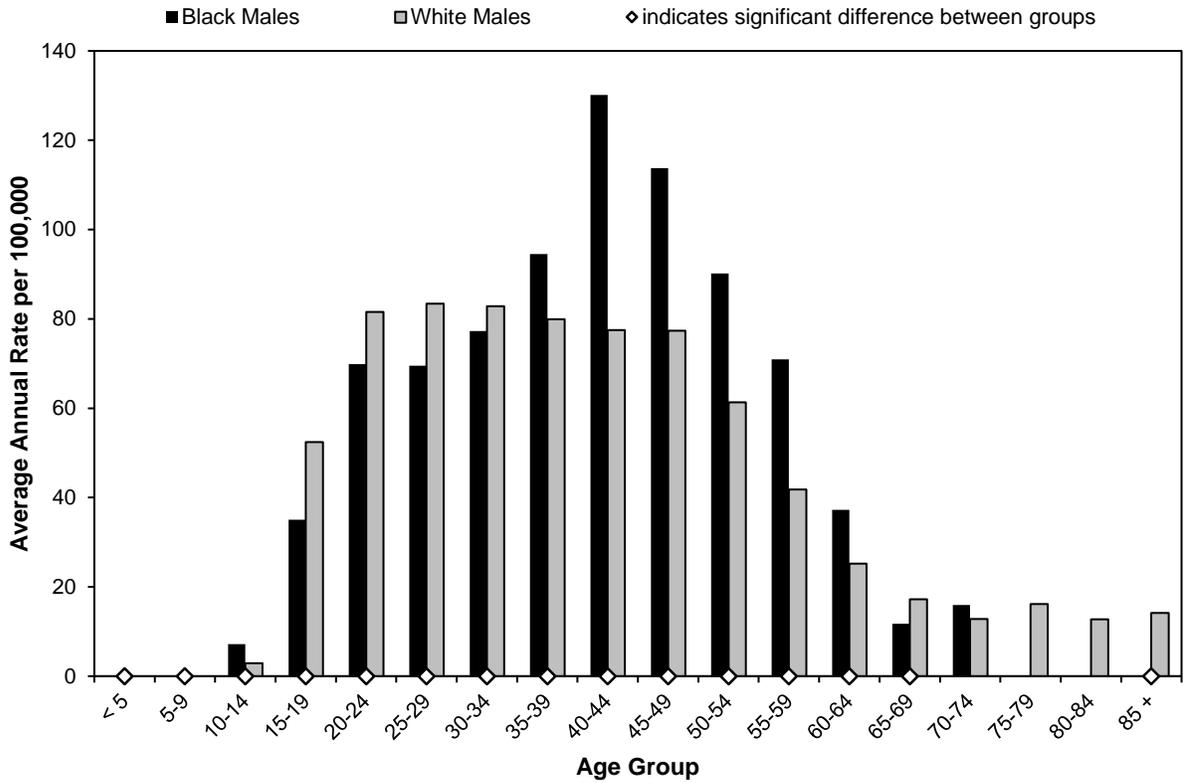
# INJURY HOSPITALIZATIONS: SELF-POISONING

AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: SELF-POISONING

AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX AND RACE  
PENNSYLVANIA RESIDENTS, 2008-2012



## INJURY HOSPITALIZATIONS: SELF-POISONING

### NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	5,507	72.1	70.2-74.0	+	<b>Southeast</b>	15,578	62.0	61.1-63.0	
Carbon	374	126.2	113.4-138.9	+	Berks	1,127	56.4	53.1-59.7	-
Lackawanna	794	78.5	73.0-83.9	+	Bucks	2,051	68.0	65.0-70.9	+
Lehigh	1,331	79.6	75.3-83.8	+	Chester	957	39.3	36.8-41.7	-
Luzerne	707	46.0	42.6-49.3	-	Delaware	2,019	72.7	69.5-75.8	+
Monroe	723	86.1	79.9-92.4	+	Lancaster	1,188	48.2	45.5-50.9	-
Northampton	1,196	83.5	78.8-88.2	+	Montgomery	1,966	50.7	48.5-53.0	-
Pike	70	23.9	18.3-29.4	-	Philadelphia	5,349	71.1	69.2-73.0	+
Susquehanna	87	47.6	37.6-57.6	-	Schuylkill	921	135.0	126.2-143.7	+
Wayne	161	68.3	57.8-78.9						
Wyoming	64	47.7	36.0-59.3	-					
<b>North Central</b>	2,024	60.5	57.8-63.1		<b>South Central</b>	4,216	52.7	51.1-54.3	-
Bradford	266	96.9	85.2-108.5	+	Adams	162	32.7	27.7-37.7	-
Centre	429	59.5	53.9-65.2		Bedford	73	32.4	24.9-39.8	-
Clinton	75	39.8	30.8-48.8	-	Blair	454	76.5	69.5-83.6	+
Columbia	212	68.0	58.9-77.2		Cumberland	500	43.3	39.5-47.1	-
Lycoming	231	40.7	35.5-46.0	-	Dauphin	689	53.8	49.8-57.8	-
Montour	84	104.8	82.4-127.2	+	Franklin	355	51.0	45.7-56.3	-
Northumberland	408	96.4	87.0-105.7	+	Fulton	22	32.1	18.7-45.5	-
Potter	39	51.9	35.6-68.2		Huntingdon	123	54.3	44.7-63.9	
Snyder	82	44.8	35.1-54.5	-	Juniata	44	38.9	27.4-50.4	-
Sullivan	14	NSR			Lebanon	230	38.2	33.2-43.1	-
Tioga	85	45.9	36.1-55.6	-	Mifflin	131	64.1	53.2-75.1	
Union	99	42.4	34.0-50.7	-	Perry	107	49.4	40.0-58.8	-
					York	1,326	63.0	59.6-66.3	
<b>Northwest</b>	3,228	74.8	72.2-77.4	+	<b>Southwest</b>	7,582	59.0	57.7-60.3	-
Cameron	28	112.8	71.0-154.6	+	Allegheny	3,169	53.1	51.2-54.9	-
Clarion	56	30.5	22.5-38.4	-	Armstrong	165	54.9	46.5-63.3	
Clearfield	216	55.1	47.8-62.5		Beaver	592	77.5	71.2-83.7	+
Crawford	290	71.7	63.5-80.0	+	Butler	277	31.3	27.6-34.9	-
Elk	113	84.2	68.7-99.7	+	Cambria	583	88.8	81.6-96.0	+
Erie	1,160	85.8	80.9-90.7	+	Fayette	495	77.1	70.3-83.9	+
Forest	11	NSR			Greene	120	62.9	51.7-74.2	
Jefferson	116	57.1	46.7-67.5		Indiana	306	76.9	68.3-85.5	+
Lawrence	314	79.4	70.6-88.1	+	Somerset	207	57.4	49.6-65.2	
McKean	130	62.4	51.7-73.1		Washington	551	57.3	52.5-62.0	
Mercer	488	93.0	84.7-101.2	+	Westmoreland	1,117	67.3	63.3-71.2	+
Venango	170	70.6	60.0-81.2						
Warren	136	73.1	60.8-85.4		<b>Pennsylvania</b>	<b>38,135</b>	<b>62.0</b>	<b>61.4-62.6</b>	

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

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	15,531	22,600	<b>38,131</b>	10,522	66.2	11,929	98.9	11,103	87.4	3,658	28.7	923	9.4
<b>Northeast</b>	2,209	3,295	<b>5,504</b>	1,930	98.6	1,718	120.6	1,456	90.0	317	19.2	1,420	6.6
Carbon	159	215	374	127	177.3	131	236.7	99	147.8	14	19.6	3	NSR
Lackawanna	316	478	794	267	106.3	251	125.9	206	100.7	59	27.2	11	5.8
Lehigh	535	796	1,331	479	105.3	439	134.4	326	92.1	65	19.0	22	8.4
Luzerne	305	399	704	255	70.4	196	67.9	196	61.0	51	15.6	9	NSR
Monroe	255	468	723	239	105.2	196	134.4	231	127.3	47	26.5	10	9.3
Northampton	502	694	1,196	431	113.2	390	144.1	294	96.7	53	17.5	28	12.1
Pike	19	51	70	28	39.7	15	35.5	23	36.5	4	NSR	0	NSR
Susquehanna	36	51	87	27	55.0	34	103.6	21	51.1	5	NSR	0	NSR
Wayne	57	104	161	63	115.1	45	111.7	43	81.4	10	15.9	0	NSR
Wyoming	25	39	64	14	39.2	21	89.7	17	61.2	9	NSR	3	NSR
<b>Southeast</b>	6,628	8,950	<b>15,578</b>	3,662	54.6	4,613	90.7	4,873	94.5	1,952	40.2	478	13.5
Berks	423	704	1,127	273	48.8	303	80.8	371	88.2	141	35.7	39	13.1
Bucks	873	1,178	2,051	673	85.5	588	115.3	609	88.4	137	20.1	44	9.6
Chester	374	583	957	345	49.9	281	64.0	242	44.4	64	12.8	25	7.7
Delaware	904	1,115	2,019	474	63.7	542	100.6	682	122.1	248	45.1	73	18.2
Lancaster	466	722	1,188	374	52.1	367	75.2	347	69.7	78	16.1	22	5.6
Montgomery	736	1,230	1,966	691	68.8	525	74.4	526	61.4	161	20.1	63	10.4
Philadelphia	2,477	2,872	5,349	488	23.9	1,694	89.1	1,873	130.7	1,092	84.9	202	21.5
Schuylkill	375	546	921	344	213.6	313	242.6	223	141.0	31	20.1	10	7.4

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	15,531	22,600	<b>38,131</b>	10,522	66.2	11,929	98.9	11,103	87.4	3,658	28.7	923	9.4
<b>North Central</b>	737	1,287	<b>2,024</b>	820	96.6	628	83.6	466	72.2	84	12.5	26	4.7
Bradford	81	185	266	121	155.9	70	141.4	67	108.7	8	NSR	0	NSR
Centre	134	295	429	185	99.4	118	48.4	102	83.4	14	12.1	10	11.5
Clinton	30	45	75	40	80.1	20	51.5	9	NSR	6	NSR	0	NSR
Columbia	84	128	212	72	86.6	66	94.0	58	97.6	11	17.0	5	NSR
Lycoming	104	127	231	70	49.9	68	60.6	76	67.2	11	9.1	6	NSR
Montour	31	53	84	36	167.5	35	238.2	8	NSR	5	NSR	0	NSR
Northumberland	153	255	408	155	146.2	130	165.2	98	104.5	20	20.0	5	NSR
Potter	16	23	39	14	65.6	19	146.0	4	NSR	2	NSR	0	NSR
Snyder	28	54	82	39	75.1	30	77.8	13	34.7	0	NSR	0	NSR
Sullivan	5	9	14	7	NSR	6	NSR	1	NSR	0	NSR	0	NSR
Tioga	36	49	85	32	60.4	28	76.4	22	59.0	3	NSR	0	NSR
Union	35	64	99	49	96.3	38	75.0	8	NSR	4	NSR	0	NSR
<b>South Central</b>	1,671	2,545	<b>4,216</b>	1,349	64.1	1,339	88.6	1,165	68.1	290	17.0	73	5.6
Adams	57	105	162	58	44.7	43	48.2	47	44.7	11	10.5	3	NSR
Bedford	24	49	73	24	40.7	23	59.1	20	39.6	6	NSR	0	NSR
Blair	180	274	454	176	115.0	126	112.3	117	96.3	32	24.1	3	NSR
Cumberland	187	313	500	179	62.4	152	65.0	134	57.2	26	11.1	9	NSR
Dauphin	288	401	689	121	35.8	239	96.4	225	82.3	83	29.9	21	11.4
Franklin	120	235	355	119	61.2	107	82.4	100	68.2	26	18.0	3	NSR
Fulton	12	10	22	12	65.6	7	NSR	3	NSR	0	NSR	0	NSR
Huntingdon	50	73	123	45	86.2	38	85.9	27	56.6	10	21.3	3	NSR
Juniata	20	24	44	18	58.0	12	59.3	14	58.6	0	NSR	0	NSR
Lebanon	81	149	230	73	43.7	89	74.2	47	36.3	15	11.3	6	NSR
Mifflin	49	82	131	62	104.8	41	109.3	23	50.5	5	NSR	0	NSR
Perry	31	76	107	43	72.8	43	110.0	19	39.3	2	NSR	0	NSR
York	572	754	1,326	419	75.1	419	108.7	389	82.9	74	16.7	25	8.1

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	15,531	22,600	<b>38,131</b>	10,522	66.2	11,929	98.9	11,103	87.4	3,658	28.7	923	9.4
<b>Northwest</b>	1,382	1,846	<b>3,228</b>	1,147	100.4	1,086	131.0	832	92.2	132	13.7	31	3.9
Cameron	17	11	28	5	NSR	6	NSR	16	342.0	1	NSR	0	NSR
Clarion	20	36	56	19	38.1	22	54.2	14	39.2	1	NSR	0	NSR
Clearfield	101	115	216	72	80.9	70	97.1	57	64.0	16	18.5	1	NSR
Crawford	127	163	290	100	87.7	97	128.3	78	92.5	14	14.9	1	NSR
Elk	60	53	113	44	120.5	47	204.7	18	52.7	3	NSR	1	NSR
Erie	470	690	1,160	432	117.3	377	133.4	294	109.5	42	15.2	15	7.3
Forest	5	6	11	7	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Jefferson	60	56	116	39	72.3	50	133.3	21	47.9	5	NSR	1	NSR
Lawrence	146	168	314	100	91.5	118	160.3	85	98.3	7	NSR	4	NSR
McKean	45	85	130	55	104.6	34	88.3	32	72.0	9	NSR	0	NSR
Mercer	213	275	488	166	114.6	165	169.1	132	119.0	19	15.7	6	NSR
Venango	68	102	170	58	88.6	59	137.0	44	84.3	8	NSR	1	NSR
Warren	50	86	136	50	105.6	38	120.4	40	98.8	7	NSR	1	NSR
<b>Southwest</b>	2,904	4,677	<b>7,581</b>	1,614	51.6	2,545	103.4	2,311	86.7	883	30.3	229	9.7
Allegheny	1,219	1,950	3,169	289	20.5	1,015	84.0	1,080	91.2	620	48.3	165	16.1
Armstrong	62	103	165	59	74.0	57	108.2	34	49.2	11	14.3	4	NSR
Beaver	244	348	592	135	69.0	212	149.8	175	103.9	57	29.8	13	8.2
Butler	114	163	277	91	38.5	86	55.2	73	37.5	21	10.8	6	NSR
Cambria	234	349	583	207	127.6	191	153.6	147	106.3	29	18.5	9	NSR
Fayette	175	320	495	168	106.6	154	132.4	147	104.0	24	15.5	2	NSR
Greene	47	72	119	34	77.4	45	120.4	31	76.7	10	23.6	0	NSR
Indiana	125	181	306	96	85.7	111	116.1	79	103.9	19	21.8	1	NSR
Somerset	85	122	207	52	63.3	80	120.6	62	77.4	10	11.8	3	NSR
Washington	231	320	551	170	69.7	185	104.4	169	82.0	20	8.7	7	NSR
Westmoreland	368	749	1,117	313	77.4	409	142.5	314	85.6	62	15.0	19	5.5

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 HOSPITALIZATIONS: SELF-POISONING

**NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),  
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012**

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	437	55.6	50.4-60.8	Allegheny	2,651	54.0	52.0-56.1	Berks	199	63.3	54.5-72.0
Chester	88	56.3	44.5-68.0	Chester	792	37.0	34.4-39.6	Lancaster	67	30.9	23.5-38.3
Dauphin	103	45.9	37.0-54.7	Dauphin	525	53.5	49.0-58.1	Lehigh	230	72.2	62.9-81.5
Delaware	301	54.1	47.9-60.2	Delaware	1,626	80.8	76.8-84.7	Philadelphia	521	56	51.4-61.1
Montgomery	151	41.2	34.6-47.7	Montgomery	1,662	52.2	49.7-54.7				
Philadelphia	2,078	63.0	60.3-65.8	Philadelphia	2,420	69.4	66.7-72.2				
Pennsylvania	4,159	59.8	57.9-61.6	Pennsylvania	30,257	58.9	58.2-59.5	Pennsylvania	1,794	52.9	50.5-55.4

**NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES  
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012**

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	Black	13.4%	153.0	284	<b>437</b>	13.8%	66	25.0	145	82.7	155	103.7	62	44.2	9	NSR
	White	82.1%	1,029	1,622	<b>2,651</b>	83.7%	212	20.2	840	88.2	903	91.9	547	49.0	149	16.2
Chester	Black	6.3%	34	54	<b>88</b>	9.2%	9	NSR	42	118.1	22	74.0	14	54.4	1	NSR
	White	87.9%	306	486	<b>792</b>	82.8%	104	17.7	236	63.2	259	54.2	134	29.2	59	19.6
Dauphin	Black	18.3%	38	65	<b>103</b>	14.9%	13	15.9	33	67.2	45	92.9	9	NSR	3	NSR
	White	75.3%	224	301	<b>525</b>	76.2%	42	19.0	150	83.5	185	89.0	119	52.3	29	18.2
Delaware	Black	19.6%	137	164	<b>301</b>	14.9%	47	25.4	95	73.5	98	87.5	53	66.0	8	NSR
	White	73.7%	716	910	<b>1,626</b>	80.5%	149	30.2	505	137.0	508	125.5	361	81.4	103	29.7
Montgomery	Black	8.9%	59	92	<b>151</b>	7.7%	26	25.3	51	67.8	47	58.9	25	40.9	2	NSR
	White	82.7%	632	1,030	<b>1,662</b>	84.5%	207	26.2	479	86.0	476	68.3	359	51.6	141	25.8
Philadelphia	Black	44.8%	959	1,119	<b>2,078</b>	38.8%	224	21.2	610	80.8	805	123.0	404	70.1	35	9.5
	White	45.0%	1,171	1,249	<b>2,420</b>	45.2%	109	14.6	753	82.4	815	128.4	591	97.3	152	29.0
Pennsylvania	Black	11.0%	1,825	2,334	<b>4,159</b>	10.9%	533	24.0	1,399	88.0	1,477	107.2	686	61.2	64	9.6
	White	84.1%	12,254	18,000	<b>30,254</b>	79.3%	2,921	23.3	9,584	98.8	10,308	96.3	5,910	52.5	1,534	17.1

## INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL INJURIES

In 2012, among Pennsylvania residents, there were 116,781 hospitalizations due to unintentional injury. On average, one resident was hospitalized every five minutes.

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### Injury Definition

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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, poisoning and motor vehicle accidents. These three mechanisms account for over two-thirds of all unintentional injury hospitalizations in Pa.

### HIGHLIGHTS

- Age-adjusted rates **decreased** from 2008 to 2012.
- Most common demographic is **white females**, 80 and above.
- Of all Pennsylvania counties, **Carbon, Delaware and Philadelphia** had the highest rates.

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### Trends Over Time

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- Age-adjusted hospitalization rates for unintentional injury decreased by 14 percent from 896.7 hospitalizations per 100,000 population in 2008 to 769.5 hospitalizations per 100,000 population in 2012.
- Males had significantly higher age-adjusted hospitalization rates than females for ages less than 70, while females had significantly higher rates than males for ages over 70 during the 2008 to 2012 period.
- Black males and had significantly higher age-adjusted hospitalization rates than white males for ages less than 80 during the 2008 to 2012.

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### Demographic Trends

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- Among males, blacks had significantly higher hospitalization rates for ages less than 75, while whites had significantly higher rates for ages 80 and older.
- Among females, blacks had significantly higher hospitalization rates for age groups.

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### Regional Trends

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- The Southeast Health District had the highest age-adjusted hospitalization rate for unintentional injury, while the South Central Health District had the lowest rate. Other districts had high rates for certain age groups.
- Twenty-one counties had age-adjusted unintentional injury hospitalization rates during 2008 to 2012 that were significantly higher than the comparable state rate.

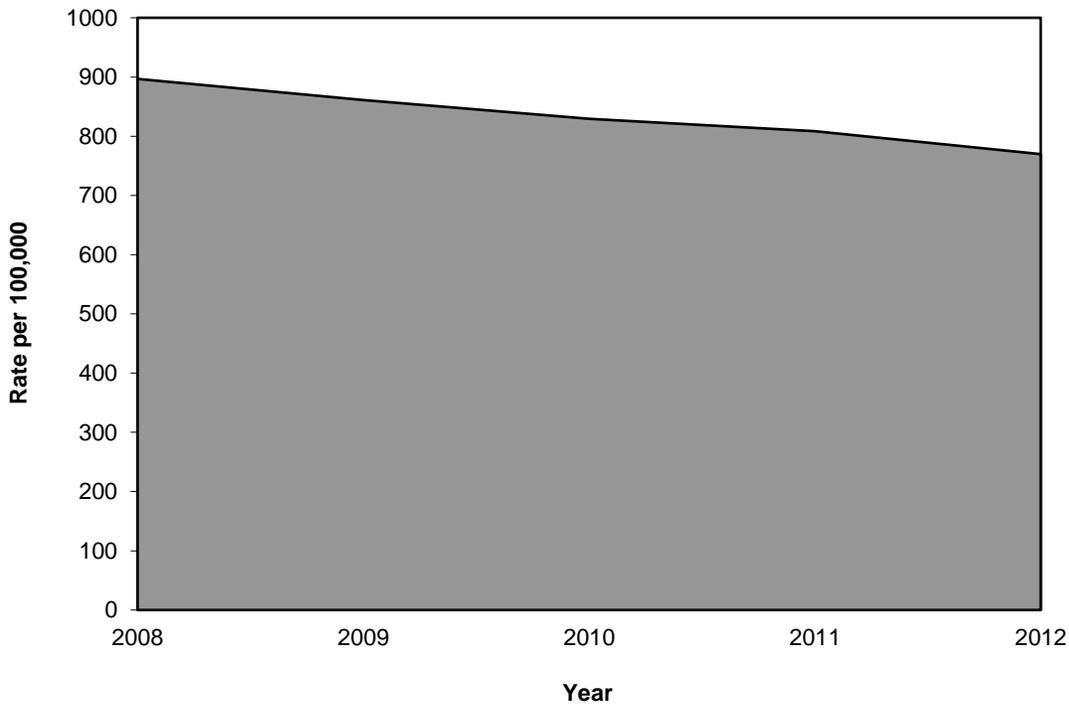
# INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	128,305	896.7
2009	126,704	861.3
2010	123,901	829.5
2011	121,857	808.2
2012	116,781	769.5

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## AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	920.4	712.8	954.6	934.0	686.9	955.0
2009	859.5	690.6	883.8	923.0	673.9	893.2
2010	838.5	687.5	831.6	891.5	614.3	878.9
2011	785.3	664.0	833.5	861.5	614.6	861.4
2012	749.4	643.2	801.4	818.0	595.0	810.3

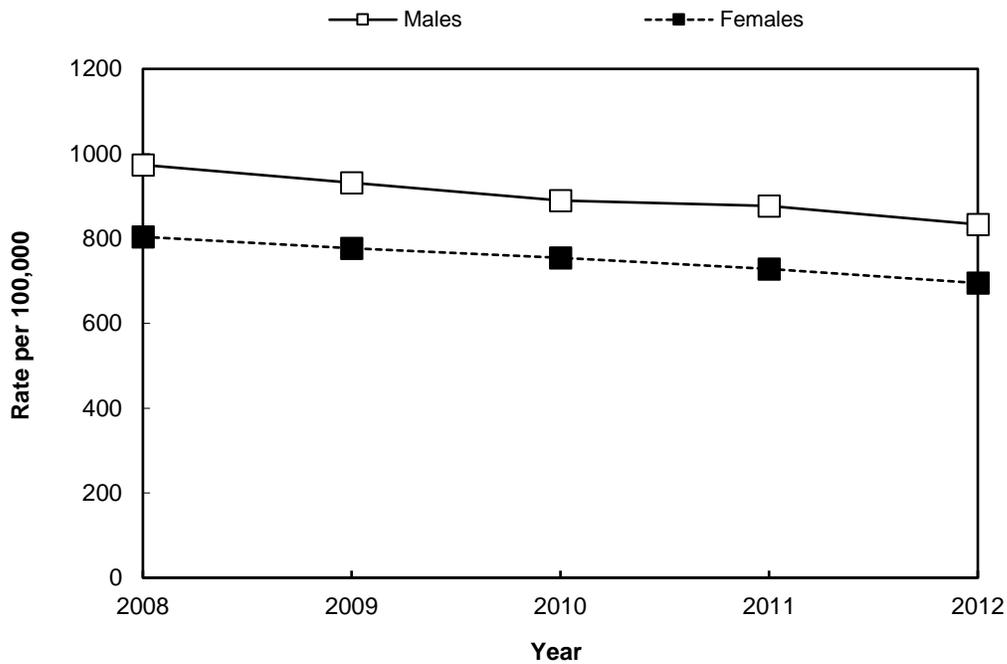
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-9 codes. See Technical Notes.

# INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	57,435	877.1	2011	64,360	728.3
2012	54,989	833.4	2012	61,697	695.1



## AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

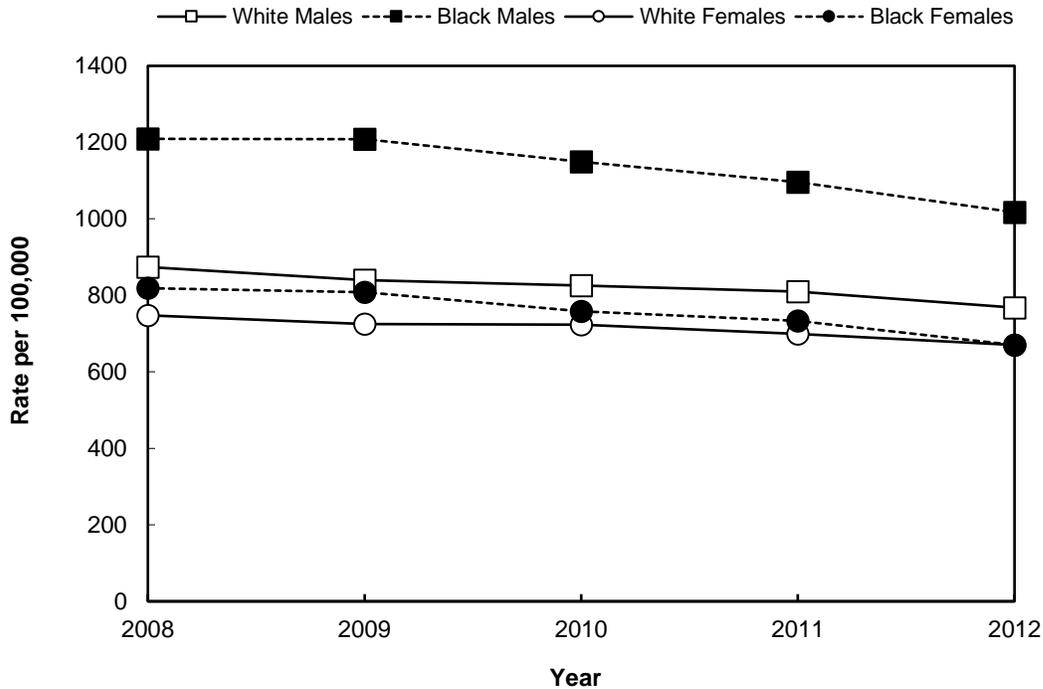
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	983.7	948.8	2008	812.4	783.1
2009	948.8	889.7	2009	788.6	746.3
2010	911.8	836.2	2010	764.1	732.0
2011	898.4	826.8	2011	742.4	692.5
2012	857.3	775.6	2012	707.6	662.7

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 HOSPITALIZATIONS: ALL UNINTENTIONAL

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	46,819	6,641	55,945	5,417	1,294	856
2012	44,633	6,254	53,750	5,029	1,257	811



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	809.9	1,096.3	699.0	733.1	501.3	384.9
2012	767.8	1,017.1	670.3	670.1	438.5	324.2

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 HOSPITALIZATIONS: ALL UNINTENTIONAL

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>617,548</b>	<b>976.2</b>	<b>288,904</b>	<b>937.6</b>	<b>328,355</b>	<b>1,011.9</b>	<b>450,928</b>	<b>980.0</b>	<b>166,620</b>	<b>965.9</b>
< 5	7,396	202.2	4,416	236.1	2,962	165.7	5,935	215.8	1,461	161.1
5-9	5,982	158.7	3,631	188.7	2,340	126.9	4,657	166.4	1,325	136.6
10-14	7,964	201.4	5,541	274.2	2,412	124.8	5,794	198.8	2,170	208.7
15-19	16,323	361.3	11,026	480.9	5,271	236.9	11,499	351.9	4,824	386.0
20-24	20,378	459.3	13,478	599.3	6,871	314.0	14,941	466.3	5,437	441.1
25-29	18,774	483.5	12,129	615.9	6,632	346.5	14,018	475.2	4,756	509.5
30-34	17,292	462.0	11,026	586.5	6,253	335.6	12,725	455.5	4,567	480.8
35-39	18,473	484.9	11,487	605.3	6,976	364.8	13,529	483.5	4,944	488.5
40-44	24,307	568.7	15,041	709.8	9,249	429.2	17,909	573.6	6,398	555.4
45-49	32,219	698.3	19,853	873.0	12,345	527.5	24,072	717.0	8,147	648.3
50-54	37,865	799.2	22,165	953.4	15,685	650.0	27,954	815.7	9,911	755.9
55-59	38,282	883.8	21,287	1,008.8	16,977	764.3	28,385	915.5	9,897	804.0
60-64	38,259	1,036.0	19,723	1,112.9	18,518	964.1	27,853	1,065.6	10,406	964.4
65-69	37,595	1,344.2	17,722	1,360.2	19,863	1,329.6	26,718	1,370.5	10,877	1,283.6
70-74	41,150	1,873.8	17,825	1,815.9	23,317	1,919.9	29,199	1,915.6	11,951	1,778.8
75-79	54,196	3,000.2	21,005	2,768.7	33,176	3,166.5	38,749	3,058.9	15,447	2,862.6
80-84	73,353	4,941.4	25,392	4,426.8	47,943	5,263.6	53,104	5,036.8	20,249	4,707.7
85 +	127,740	8,205.2	36,157	7,353.1	91,565	8,596.9	93,887	8,383.4	33,853	7,748.4

\* 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: ALL UNINTENTIONAL

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>232,751</b>	<b>896.7</b>	<b>32,931</b>	<b>988.6</b>	<b>282,358</b>	<b>1,037.3</b>	<b>27,206</b>	<b>745.6</b>	<b>14,139</b>	<b>404.9</b>
< 5	2,376	164.5	1,097	410.2	1,576	114.7	718	275.8	738	190.1
5-9	2,187	144.5	783	297.7	1,438	99.8	473	185.3	495	140.3
10-14	3,825	237.7	971	348.1	1,677	109.5	419	156.7	448	137.0
15-19	8,149	445.1	1,615	500.7	3,919	220.3	761	246.1	659	192.5
20-24	9,901	550.8	1,911	612.5	4,928	282.6	1,124	364.0	920	288.6
25-29	8,911	558.5	1,706	681.6	4,879	318.3	1,065	418.9	861	296.7
30-34	7,940	517.3	1,648	732.2	4,442	296.4	1,107	463.9	869	317.1
35-39	8,374	532.2	1,784	847.2	5,117	326.9	1,149	501.7	870	345.0
40-44	11,118	619.1	2,379	1,075.0	6,831	378.5	1,579	646.1	936	408.2
45-49	14,804	753.6	3,326	1,495.4	9,342	467.9	2,061	822.8	991	489.5
50-54	16,903	827.1	3,527	1,700.3	12,364	591.1	2,387	988.9	955	610.4
55-59	16,738	890.7	3,087	1,810.4	13,750	705.9	2,183	1,059.5	794	672.7
60-64	15,976	1,001.0	2,388	1,851.2	15,490	910.8	1,941	1,165.3	763	909.8
65-69	14,865	1,253.4	1,719	2,019.0	17,124	1,278.4	1,600	1,352.8	745	1,298.5
70-74	15,300	1,706.1	1,462	2,334.8	20,542	1,876.4	1,556	1,646.1	661	1,722.4
75-79	18,667	2,669.7	1,258	2,769.3	29,819	3,129.1	1,855	2,392.1	698	2,606.4
80-84	23,144	4,328.7	1,106	3,593.8	44,107	5,264.1	1,927	3,157.6	737	4,194.9
85 +	33,573	7,316.6	1,164	4,387.0	85,013	8,604.5	3,301	5,032.8	999	6,316.4

\* 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. Hispanics may be of any race; therefore, their rates must not be compared to whites or blacks.

## INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>46,852</b>	<b>1,012.7</b>	<b>27,470</b>	<b>678.7</b>	<b>81,810</b>	<b>1,029.6</b>	<b>248,867</b>	<b>981.3</b>	<b>61,353</b>	<b>635.9</b>	<b>151,196</b>	<b>63.9</b>						
< 5	395	157.0	-	301	176.4	-	882	205.5	4,038	252.0	+	644	122.0	-	1,115	159.6	-	
5-9	329	123.7	-	266	145.7	-	755	164.1	3,081	191.0	+	541	98.5	-	1,007	137.0	-	
10-14	633	220.2	+	355	182.7		1,109	221.5	+	3,549	214.0	+	723	128.9	-	1,616	205.5	
15-19	1,264	374.4		830	298.6	-	2,281	401.8	+	6,782	368.9		1,756	305.8	-	3,307	363.4	
20-24	1,389	444.7		1,011	286.5	-	2,687	508.5	+	8,835	487.9	+	2,060	388.6	-	4,392	491.8	+
25-29	1,312	506.2		855	420.1	-	2,271	504.9		8,324	492.7		1,737	340.9	-	4,258	533.8	+
30-34	1,280	497.0	+	762	391.4	-	2,169	485.4	+	7,425	468.4		1,701	336.0	-	3,980	516.3	+
35-39	1,350	503.8		745	384.2	-	2,373	499.8		7,945	504.9	+	1,799	352.3	-	4,173	531.9	+
40-44	1,810	596.9		931	429.3	-	3,118	570.8		10,474	603.1	+	2,280	390.7	-	5,547	620.9	+
45-49	2,266	685.1		1,205	518.0	-	4,143	695.3		14,265	771.9	+	2,882	476.2	-	7,375	747.3	+
50-54	2,861	813.9		1,492	596.2	-	4,697	773.8	-	16,383	887.4	+	3,461	540.2	-	8,893	834.2	+
55-59	2,943	890.0		1,725	784.7	-	4,599	830.1	-	16,277	991.7	+	3,541	589.3	-	9,296	931.5	+
60-64	2,853	1,003.9		1,768	872.2	-	5,056	1,033.9		15,469	1,132.3	+	3,990	760.0	-	9,274	1,090.2	+
65-69	3,164	1,432.2	+	1,860	1,135.9	-	4,997	1,321.3		14,634	1,437.0	+	4,033	986.9	-	9,116	1,445.5	+
70-74	3,407	1,907.8		2,071	1,586.2	-	5,527	1,904.9		15,606	1,987.6	+	4,491	1,448.1	-	10,249	1,995.0	+
75-79	4,368	2,993.1		2,578	2,724.8	-	7,369	3,135.7	+	20,411	3,143.7	+	5,630	2,412.1	-	13,732	3,174.3	+
80-84	5,781	4,859.2		3,240	3,285.5	-	10,065	5,226.9	+	26,864	5,070.4	+	7,357	3,964.8	-	19,778	5,243.2	+
85 +	9,447	7,736.2	-	5,475	6,988.4	-	17,712	8,860.4	+	48,505	8,533.7	+	12,727	6,583.1	-	34,088	8,598.5	+

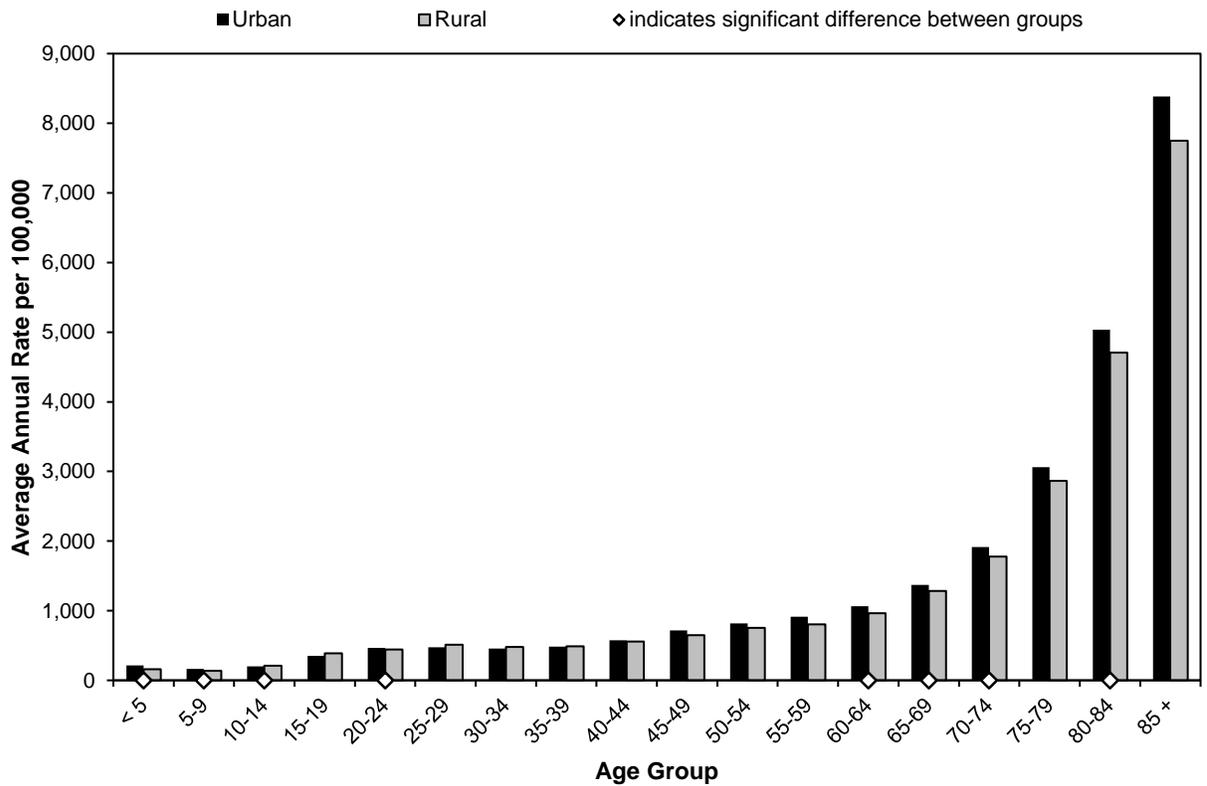
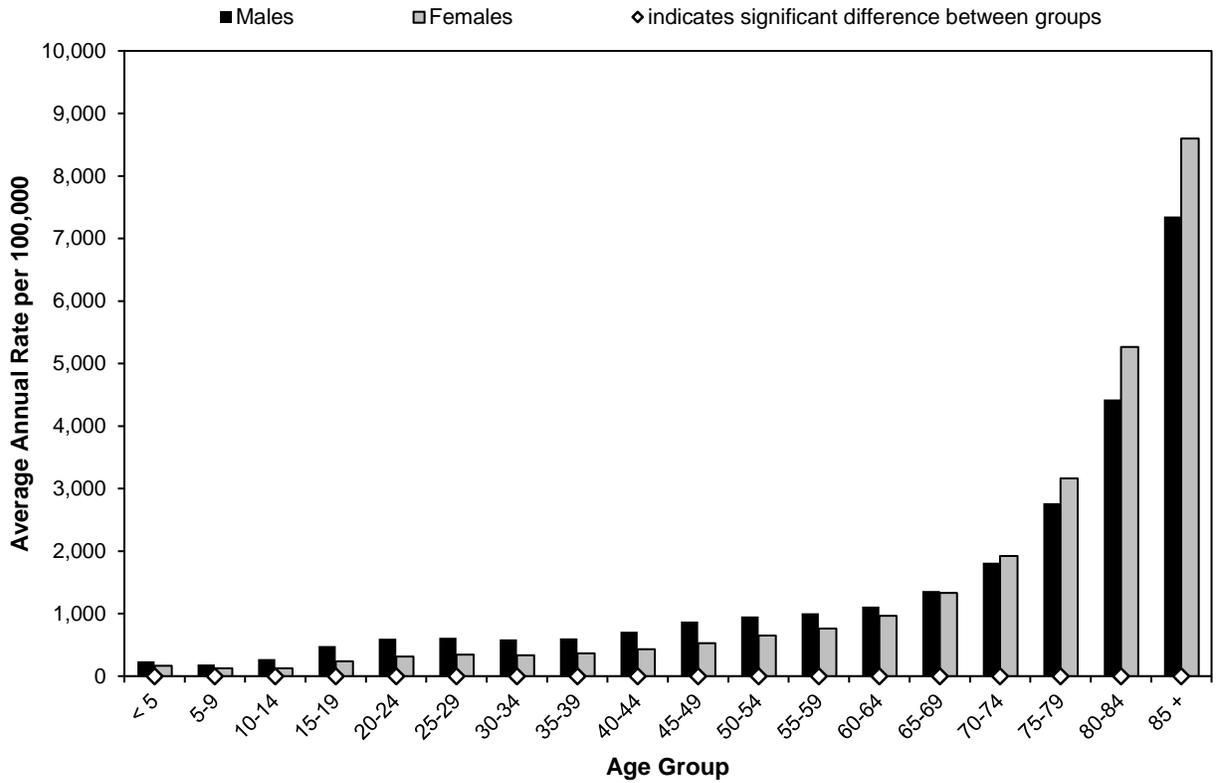
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

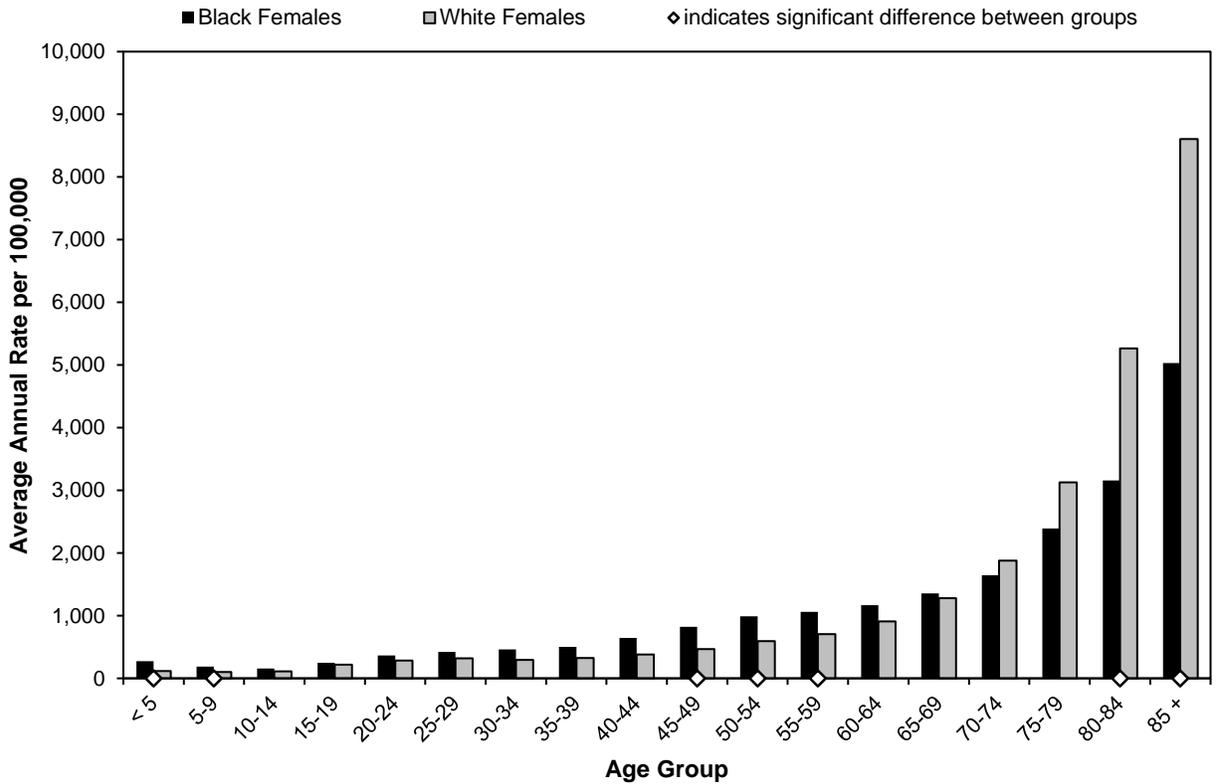
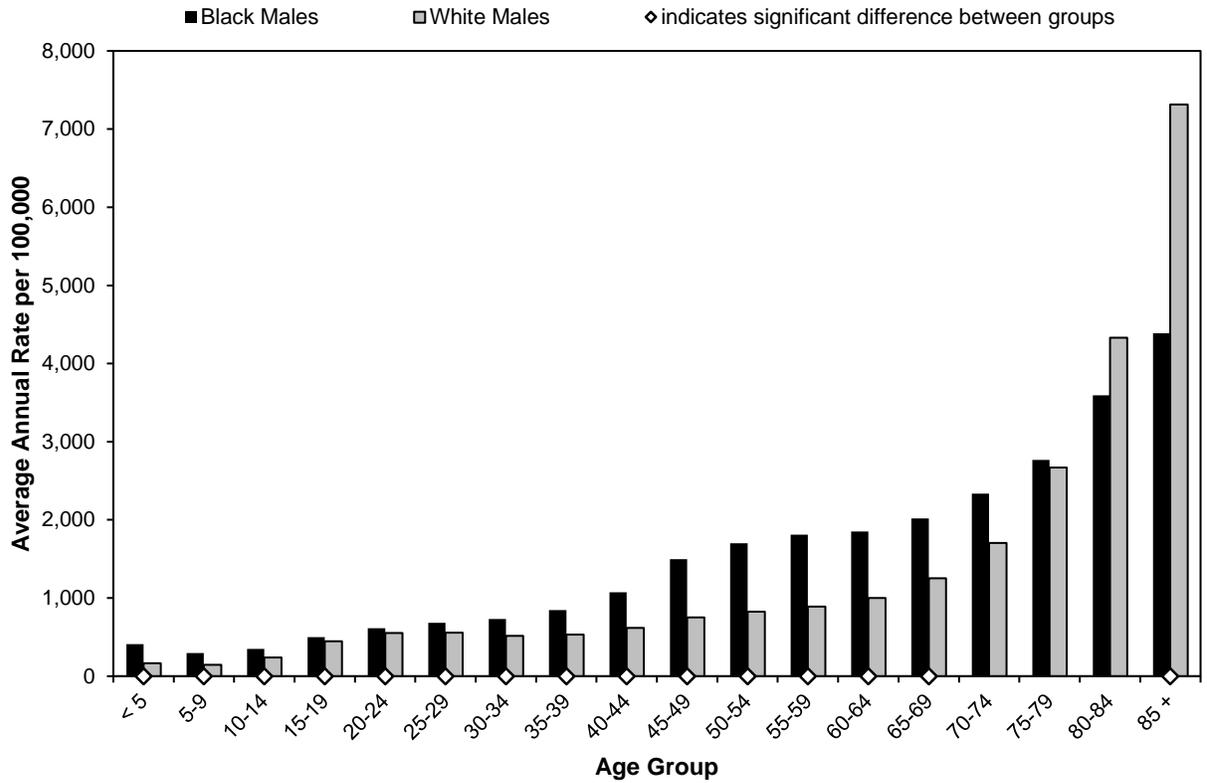
# INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

## AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

## AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL

## NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

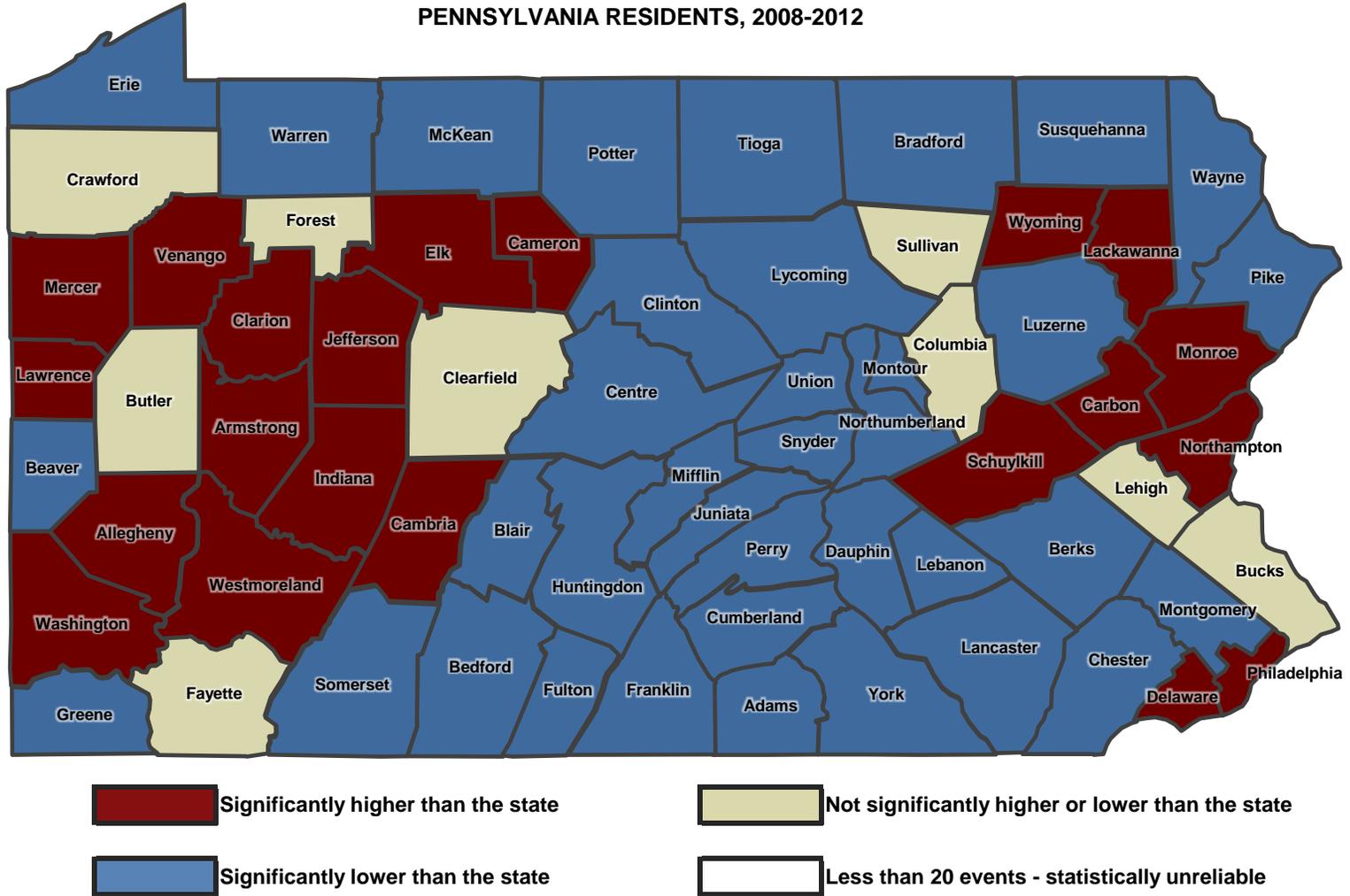
District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	81,810	859.4	853.5-865.3	+	<b>Southeast</b>	248,867	884.5	881.1-888.0	+
Carbon	4,248	1,087.5	1054.8-1120.2	+	Berks	18,567	800.3	788.8-811.8	-
Lackawanna	11,776	865.8	850.2-881.4	+	Bucks	29,480	837.5	827.9-847.0	
Lehigh	16,939	843.6	830.9-856.3		Chester	18,567	706.8	696.6-716.9	-
Luzerne	15,572	753.4	741.6-765.2	-	Delaware	34,466	1,074.9	1063.6-1086.3	+
Monroe	7,586	892.4	872.3-912.5	+	Lancaster	19,370	657.5	648.3-666.8	-
Northampton	18,686	1,050.0	1034.9-1065.0	+	Montgomery	36,872	776.8	768.8-784.7	-
Pike	1,371	426.0	403.4-448.5	-	Philadelphia	82,767	1,065.1	1057.8-1072.4	+
Susquehanna	1,639	649.9	618.4-681.3	-	Schuylkill	8,778	940.1	920.4-959.8	+
Wayne	2,461	776.2	745.5-806.8	-					
Wyoming	1,532	973.2	924.5-1021.9	+					
<b>North Central</b>	27,470	678.7	670.6-686.7	-	<b>South Central</b>	61,353	635.9	630.9-640.9	-
Bradford	2,905	797.3	768.3-826.3	-	Adams	3,408	585.4	565.7-605.0	-
Centre	4,676	663.1	644.1-682.1	-	Bedford	1,841	616.6	588.5-644.8	-
Clinton	1,470	649.0	615.8-682.2	-	Blair	6,394	798.0	778.5-817.6	-
Columbia	3,162	827.6	798.8-856.5		Cumberland	9,215	656.6	643.2-670.0	-
Lycoming	5,078	714.5	694.8-734.1	-	Dauphin	8,750	603.3	590.7-616.0	-
Montour	831	758.1	706.6-809.7	-	Franklin	5,573	624.3	607.9-640.6	-
Northumberland	4,421	742.2	720.3-764.1	-	Fulton	628	750.8	692.1-809.5	-
Potter	629	594.5	548.1-641.0	-	Huntingdon	1,733	657.3	626.4-688.3	-
Snyder	1,207	538.9	508.5-569.4	-	Juniata	886	610.5	570.3-650.7	-
Sullivan	388	901.2	811.5-990.9		Lebanon	4,296	536.1	520.1-552.1	-
Tioga	1,306	531.7	502.9-560.6	-	Mifflin	2,174	763.7	731.6-795.8	-
Union	1,397	544.4	515.9-573.0	-	Perry	1,821	767.2	732.0-802.4	-
					York	14,634	614.5	604.6-624.5	-
<b>Northwest</b>	46,852	829.7	822.2-837.2		<b>Southwest</b>	151,196	878.9	874.5-883.4	+
Cameron	369	1,052.3	944.9-1159.6	+	Allegheny	70,668	907.7	901.0-914.4	+
Clarion	2,196	962.6	922.3-1002.9	+	Armstrong	4,408	1,025.6	995.4-1055.9	+
Clearfield	4,102	823.0	797.8-848.2		Beaver	8,134	740.0	723.9-756.1	-
Crawford	4,249	816.5	791.9-841.0		Butler	8,848	818.3	801.2-835.3	
Elk	1,840	887.0	846.4-927.5	+	Cambria	8,912	930.5	911.2-949.8	+
Erie	11,074	697.9	684.9-710.9	-	Fayette	7,121	831.4	812.1-850.7	
Forest	401	910.6	821.5-999.7		Greene	1,250	551.5	520.9-582.1	-
Jefferson	2,697	970.4	933.8-1007.0	+	Indiana	5,157	1,005.4	977.9-1032.8	+
Lawrence	5,649	945.2	920.5-969.8	+	Somerset	4,058	791.9	767.5-816.3	-
McKean	1,884	695.1	663.7-726.5	-	Washington	11,545	895.0	878.7-911.3	+
Mercer	7,655	1,009.4	986.8-1032.0	+	Westmoreland	21,095	888.6	876.6-900.6	+
Venango	2,984	888.2	856.3-920.1	+					
Warren	1,752	671.8	640.4-703.3	-	<b>Pennsylvania</b>	<b>617,548</b>	<b>832.0</b>	<b>830.0-834.1</b>	

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, 2008-2012



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 INJURY HOSPITALIZATION AND AVERAGE ANNUAL DEATH RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	288,904	328,355	<b>617,259</b>	37,665	236.9	56,444	467.9	74,999	590.6	114,406	896.4	334,034	3,394.4
<b>Northeast</b>	37,482	44,201	<b>81,683</b>	5,027	256.8	7,127	500.1	9,634	595.8	14,352	869.8	1,420	3,524.4
Carbon	2,006	2,238	4,244	253	353.2	361	652.2	550	820.9	747	1,046.6	2,337	4,065.9
Lackawanna	5,046	6,721	11,767	644	256.5	891	446.9	1242	607.3	2,088	963.1	6,911	3,647.7
Lehigh	7,875	9,063	16,938	1,161	255.3	1,646	504.0	2,024	571.7	2,923	852.5	9,185	3,492.9
Luzerne	6,523	8,948	15,471	779	215.0	1230	426.3	1645	512.3	2,604	794.7	9,314	3,235.7
Monroe	3,888	3,695	7,583	578	254.5	754	517.0	1,148	632.4	1,591	896.7	3,515	3,254.8
Northampton	8,755	9,929	18,684	1,121	294.4	1598	590.6	2106	692.8	3,076	1,016.9	10,785	4,660.0
Pike	695	674	1,369	112	158.9	147	347.9	229	363.5	313	463.4	570	1,186.5
Susquehanna	759	880	1,639	106	215.9	141	429.6	199	484.0	245	488.2	948	2,528.1
Wayne	1,197	1,261	2,458	172	314.3	220	545.9	304	575.5	474	752.1	1,291	2,568.6
Wyoming	738	792	1,530	101	282.8	139	593.9	187	673.3	291	949.1	814	3,566.7
<b>Southeast</b>	119,676	129,156	<b>248,832</b>	17,450	260.0	24,584	483.4	32,684	633.6	48,129	991.6	126,020	3,548.8
Berks	8,920	9,645	18,565	1,186	212.0	1,612	430.0	2,260	537.5	3,309	837.6	10,200	3,416.5
Bucks	13,921	15,558	29,479	1,942	246.7	2567	503.4	3616	524.8	5,440	798.8	15,915	3,461.7
Chester	8,403	10,164	18,567	961	138.9	1,582	360.3	2,245	412.0	3,511	702.3	10,268	3,170.3
Delaware	16,101	18,364	34,465	2,205	296.3	3272	607.5	4139	741.2	6,467	1,176.7	18,383	4,590.3
Lancaster	9,248	10,117	19,365	1,472	204.9	1,858	380.9	2,216	444.9	3,258	670.9	10,566	2,708.9
Montgomery	16,625	20,242	36,867	2,211	220.2	2909	412.3	3676	429.4	6,403	797.6	21,673	3,585.3
Philadelphia	42,396	40,369	82,765	6,941	339.2	9,975	524.8	13,461	939.1	18,146	1,411.6	34,244	3,646.4
Schuylkill	4,062	4,697	8,759	532	330.4	809	627.1	1071	676.9	1,595	1,035.3	4,771	3,540.4

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	288,904	328,355	<b>617,259</b>	37,665	236.9	56,444	467.9	74,999	590.6	114,406	896.4	334,034	3,394.4
<b>North Central</b>	12,927	14,440	<b>27,367</b>	1,761	207.5	2,598	345.8	2,997	464.2	4,916	730.8	15,198	2,741.4
Bradford	1,404	1,494	2,898	204	262.8	342	690.7	329	533.6	539	807.9	1,491	2,702.6
Centre	2,116	2,548	4,664	259	139.2	484	198.5	507	414.4	819	706.1	2,607	3,008.2
Clinton	697	764	1,461	101	202.2	127	327.0	149	435.1	285	769.7	808	2,545.7
Columbia	1,445	1,706	3,151	192	230.9	288	410.1	393	661.0	589	911.8	1,700	3,128.9
Lycoming	2,370	2,687	5,057	317	225.8	425	378.6	550	486.5	886	733.0	2,900	2,990.5
Montour	378	451	829	71	330.4	93	632.9	97	561.0	167	835.3	403	2,388.7
Northumberland	2,089	2,315	4,404	268	252.8	364	462.5	461	491.5	778	777.5	2,550	2,919.4
Potter	315	312	627	42	196.9	63	484.2	70	439.1	112	593.3	342	2,041.1
Snyder	596	608	1,204	90	173.2	110	285.3	121	322.6	213	562.3	673	2,251.7
Sullivan	186	199	385	12	178.8	38	869.8	33	620.3	72	968.1	233	2,989.9
Tioga	633	666	1,299	102	192.4	142	387.7	161	431.8	241	552.6	660	1,741.3
Union	698	690	1,388	103	202.4	122	240.7	126	263.7	215	542.1	831	2,521.8
<b>South Central</b>	28,429	32,906	<b>61,335</b>	3,761	178.6	5,524	365.7	7,163	418.7	10,889	638.7	34,016	2,612.3
Adams	1,648	1,760	3,408	203	156.4	312	349.9	401	381.8	581	556.9	1,911	2,404.9
Bedford	849	992	1,841	140	237.3	166	426.4	240	475.3	325	612.4	970	2,080.7
Blair	2,909	3,485	6,394	322	210.4	483	430.6	676	556.2	1,242	934.1	3,671	3,250.8
Cumberland	4,057	5,158	9,215	454	158.4	699	299.1	940	401.3	1,545	660.1	5,577	3,014.2
Dauphin	4,079	4,669	8,748	627	185.3	949	382.7	1,153	421.8	1,714	616.5	4,307	2,334.7
Franklin	2,493	3,079	5,572	333	171.3	391	301.0	585	399.0	910	631.1	3,354	2,682.0
Fulton	290	338	628	44	240.4	65	528.3	82	532.8	107	700.7	330	2,551.0
Huntingdon	853	877	1,730	110	210.6	174	393.5	208	435.9	305	650.4	936	2,488.1
Juniata	412	471	883	52	167.7	84	415.1	78	326.3	141	579.7	531	2,561.6
Lebanon	1,992	2,304	4,296	341	204.0	379	316.0	468	361.7	709	534.8	2,399	2,112.4
Mifflin	976	1,192	2,168	134	226.5	176	469.0	261	573.4	390	835.3	1,213	2,793.0
Perry	971	850	1,821	167	282.6	225	575.8	262	542.2	360	714.7	807	2,558.3
York	6,900	7,731	14,631	834	149.6	1,421	368.6	1,809	385.7	2,560	579.0	8,010	2,594.1

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	288,904	328,355	<b>617,259</b>	37,665	236.9	56,444	467.9	74,999	590.6	114,406	896.4	334,034	3,394.4
<b>Northwest</b>	21,829	25,022	<b>46,851</b>	2,621	229.4	3,981	480.2	5,426	601.6	8,657	895.8	26,167	3,326.9
Cameron	170	199	369	12	214.9	29	816.9	42	897.8	56	887.5	230	4,306.3
Clarion	1,105	1,091	2,196	124	248.5	225	554.5	262	734.5	407	1,033.7	1,178	3,506.4
Clearfield	1,987	2,114	4,101	272	305.8	382	529.6	562	630.8	752	868.3	2,134	2,934.8
Crawford	1,994	2,255	4,249	229	200.8	401	530.4	468	555.1	849	902.8	2,302	3,108.3
Elk	871	969	1,840	114	312.2	146	635.9	190	556.5	315	886.1	1,075	3,540.5
Erie	5,175	5,899	11,074	657	178.3	1,091	386.0	1,444	537.6	2,054	742.4	5,828	2,838.6
Forest	203	198	401	21	371.7	22	223.9	46	641.7	98	1,353.4	214	3,198.8
Jefferson	1,313	1,384	2,697	182	337.6	248	661.0	320	730.4	424	881.4	1,523	3,684.8
Lawrence	2,497	3,152	5,649	284	259.8	420	570.6	565	653.1	1,031	1,058.4	3,349	3,935.0
McKean	833	1,051	1,884	91	173.0	151	392.0	185	416.0	305	694.7	1,152	3,110.0
Mercer	3,396	4,259	7,655	339	234.0	502	514.6	840	757.6	1,390	1,148.7	4,584	4,287.8
Venango	1,431	1,553	2,984	181	276.4	229	531.9	336	644.1	602	961.1	1,636	3,324.8
Warren	854	898	1,752	115	242.9	135	427.9	166	410.1	374	786.9	962	2,475.8
<b>Southwest</b>	68,561	82,630	<b>151,191</b>	7,045	225.1	12,630	513.1	17,095	641.5	27,463	942.2	86,963	3,699.5
Allegheny	31,338	39,330	70,668	2,995	212.1	5,511	456.3	7,764	655.8	13,246	1,032.2	41,152	4,010.0
Armstrong	2,117	2,291	4,408	241	302.2	405	768.7	542	783.8	739	959.6	2,481	3,878.2
Beaver	3,644	4,490	8,134	426	217.9	705	498.1	938	556.7	1,437	752.0	4,628	2,915.8
Butler	4,234	4,614	8,848	526	222.6	770	494.6	1,047	538.5	1,497	771.7	5,008	3,553.2
Cambria	3,998	4,914	8,912	409	252.1	715	574.8	896	648.1	1,594	1,014.9	5,298	3,913.8
Fayette	3,399	3,720	7,119	367	232.9	774	665.2	969	685.9	1,368	880.7	3,643	2,928.7
Greene	572	678	1,250	67	152.6	129	345.1	152	376.3	229	541.4	673	2,243.6
Indiana	2,400	2,757	5,157	273	243.7	493	515.7	543	714.0	857	981.7	2,991	4,251.8
Somerset	1,971	2,086	4,057	198	240.9	319	480.7	437	545.7	685	808.6	2,419	3,305.7
Washington	5,306	6,239	11,545	615	252.2	1,020	575.7	1,443	700.3	2,109	922.6	6,358	3,475.9
Westmoreland	9,582	11,511	21,093	928	229.4	1,789	623.5	2,364	644.8	3,702	893.7	12,312	3,573.0

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 UNINTENTIONAL

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),  
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	8,041	1,011.9	989.8-1034.1	Allegheny	60,543	876.1	869.1-883.0	Berks	1,205	635.1	599.3-671.0
Chester	1,020	709.2	665.6-752.7	Chester	16,676	695.2	684.6-705.7	Lancaster	403	320.3	289.0-351.6
Dauphin	1,267	573.7	542.1-605.3	Dauphin	6,939	578.1	564.5-591.7	Lehigh	939	447.5	418.8-476.1
Delaware	4,865	1,030.1	1001.1-1059.0	Delaware	28,045	1,062.0	1049.6-1074.4	Philadelphia	4,589	644	625.4-662.6
Montgomery	2,655	798.4	768.0-828.7	Montgomery	31,405	747.1	738.9-755.4				
Philadelphia	34,600	1,052.9	1041.8-1064.0	Philadelphia	38,126	932.3	923.0-941.7				
Pennsylvania	60,142	929.6	922.1-937.0	Pennsylvania	515,375	775.1	773.0-777.2	Pennsylvania	14,148	653.4	642.7-664.2

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES  
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	4266.0	3,775	<b>8,041</b>	11.4%	920	347.8	1,133	646.2	1,514	1,012.6	2,129	1,516.3	2,345	2,595.7
	White	82.1%	25,916	34,627	<b>60,543</b>	85.7%	1,894	180.9	4,016	421.7	5,963	606.8	10,726	961.4	37,944	4,121.3
Chester	Black	6.3%	555	465	<b>1,020</b>	5.5%	76	153.3	148	416.0	202	679.4	232	901.9	362	2,282.9
	White	87.9%	7,345	9,331	<b>16,676</b>	89.8%	780	132.9	1,261	337.9	1,858	388.6	3,130	682.4	9,647	3,209.3
Dauphin	Black	18.3%	708	559	<b>1,267</b>	14.5%	167	204.0	204	415.3	271	559.8	332	815.4	293	1,378.8
	White	75.3%	3,061	3,876	<b>6,937</b>	79.3%	377	170.6	614	341.9	754	362.9	1,299	571.1	3,895	2,446.6
Delaware	Black	19.6%	2,581	2,284	<b>4,865</b>	14.1%	698	377.9	772	597.1	968	864.0	1,132	1,408.7	1,295	3,097.4
	White	73.7%	12,677	15,367	<b>28,044</b>	81.4%	1,304	264.2	2,275	617.2	2,882	712.3	5,043	1,137.5	16,541	4,773.2
Montgomery	Black	8.9%	1,464	1,191	<b>2,655</b>	7.2%	253	246.3	361	479.8	421	527.5	685	1,121.2	935	2,651.3
	White	82.7%	13,727	17,673	<b>31,400</b>	85.2%	1,583	200.3	2,177	391.1	2,867	411.4	5,241	752.9	19,537	3,576.4
Philadelphia	Black	44.8%	18,876	15,724	<b>34,600</b>	41.8%	3,673	347.3	4,569	605.0	7,278	1,112.3	9,115	1,581.8	9,965	2,714.3
	White	45.0%	17,549	20,575	<b>38,124</b>	46.1%	1,241	166.4	3,477	380.5	4,405	693.9	7,270	1,196.8	21,733	4,149.2
Pennsylvania	Black	11.0%	32,931	27,206	<b>60,137</b>	9.7%	6,839	307.5	8,563	538.9	12,278	890.9	15,514	1,384.1	16,948	2,539.2
	White	84.1%	232,751	282,358	<b>515,109</b>	83.5%	25,208	201.3	41,046	423.0	55,632	519.9	91,267	810.6	302,222	3,362.3

## INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED INJURIES

In 2012 among Pennsylvania residents, there were 9,018 hospitalizations due to self-inflicted injury. On average, one resident was hospitalized every 58 minutes due to self-inflicted injury.

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### Injury Definition

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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 generally **decreased** from 2008 to 2012.
- Most common demographic is **white females**, ages 20 to 24.
- Of all Pennsylvania counties, **Carbon and Schuylkill** had the highest rates.

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### Trends Over Time

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- Age-adjusted hospitalization rates for self-inflicted injury decreased by about 9.5 percent from 83.3 hospitalizations per 100,000 population in 2008 to 75.8 hospitalizations per 100,000 population in 2010. It then increased marginally by 0.5 percent to 76.2 hospitalizations in 2011. It thereafter decreased by 4.2 percent to 73.0 hospitalizations per 100,000 population in 2012.
- Females had significantly higher age-adjusted self-injury hospitalization rates than males for ages 10 to 74 during the 2008 to 2012 period, while males had higher rates than females for older age groups.
- Rural populations had significantly higher self-injury hospitalization rates for ages under 50, while urban populations generally had higher rates for ages 50 and older.

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### Demographic Trends

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- Among males, whites had higher self-injury hospitalization rates than blacks for ages 15 to 34, while blacks had significantly higher rates for ages 40 and older.
- Among females, white females had higher self-injury hospitalization rates than black females for all age groups where rates could be calculated. For some age groups, the difference is statistically significant.

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### Regional Trends

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- The Northwest Health District had the highest age-adjusted self-inflicted injury hospitalization rate, while the South Central Health District had the lowest rate.
- Twenty-seven counties had age-adjusted self-injury hospitalization rates during 2008-2012 that were significantly higher than the comparable state rate. Most counties were rural.

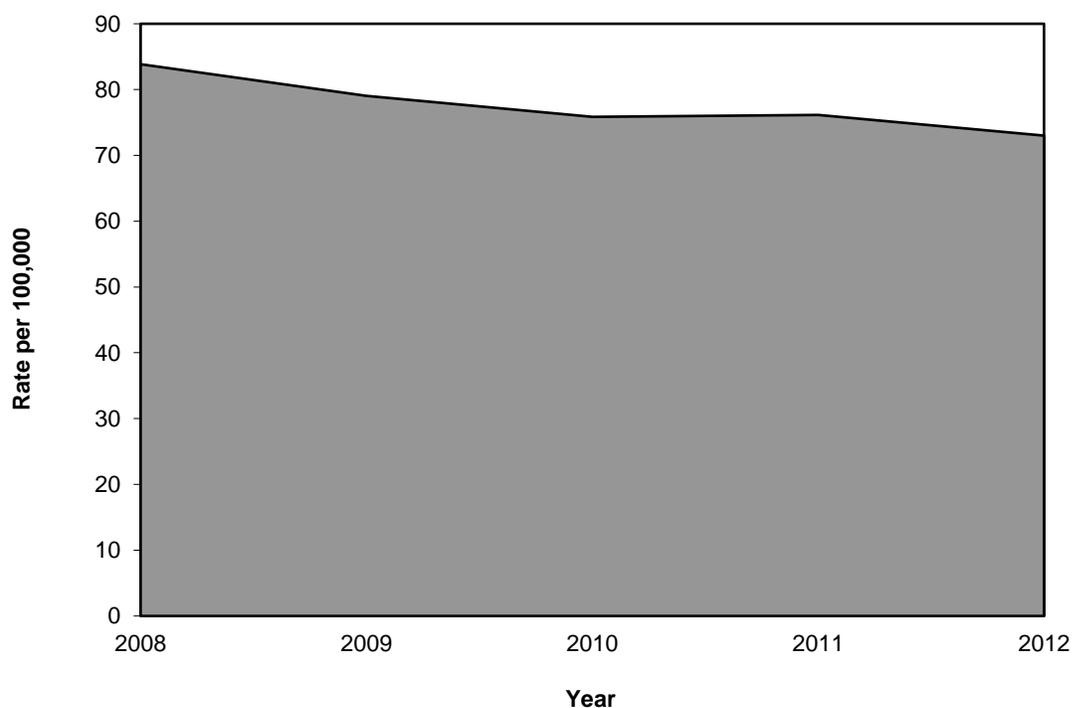
## INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	10,177	83.8
2009	9,698	79.0
2010	9,383	75.8
2011	9,434	76.2
2012	9,018	73.0

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### AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	101.1	83.4	91.2	84.6	65.9	84.7
2009	103.3	70.5	87.3	77.2	67.7	80.3
2010	100.0	80.0	92.7	71.8	61.4	75.5
2011	88.3	74.8	92.8	70.5	70.1	79.1
2012	91.8	70.1	89.0	66.4	62.1	79.0

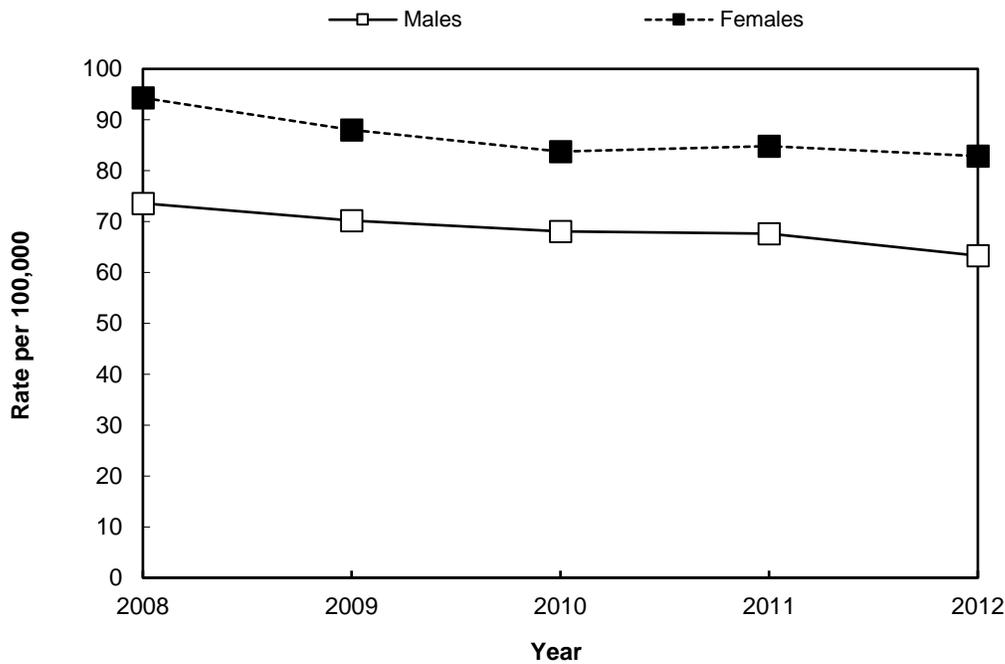
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-9 codes. See Technical Notes.

## INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	4,161	67.6	2011	5,269	84.8
2012	3,898	63.3	2012	5,114	82.9



### AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

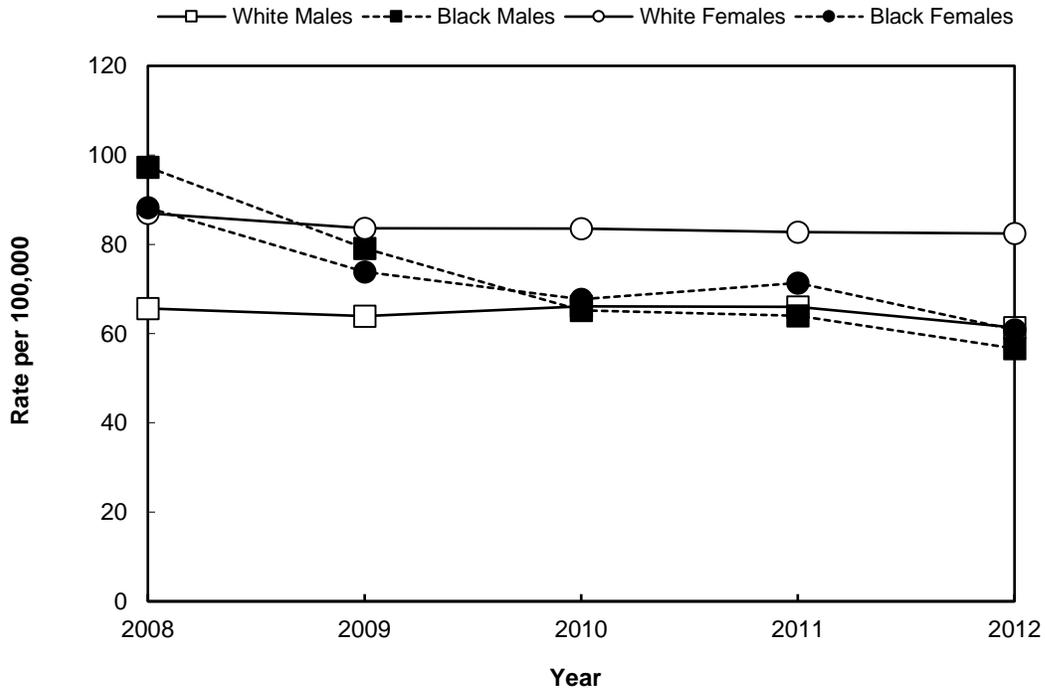
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	74.1	72.6	2008	90.1	106.3
2009	69.4	73.0	2009	84.3	99.0
2010	66.7	72.3	2010	77.5	101.8
2011	65.2	74.4	2011	79.0	102.3
2012	61.6	68.5	2012	78.2	97.0

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 SELF-INFLICTED

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	3,403	438	4,266	538	143	198
2012	3,160	392	4,195	462	159	193



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	66.0	64.0	82.8	71.4	36.4	53.6
2012	61.4	56.7	82.4	60.8	39.3	49.3

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 HOSPITALIZATIONS: ALL SELF-INFLICTED

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
<b>TOTAL</b>	<b>47,710</b>	<b>75.4</b>	<b>20,927</b>	<b>67.9</b>	<b>26,766</b>	<b>82.5</b>		<b>33,620</b>	<b>73.1</b>	<b>14,090</b>	<b>81.7</b>
< 5	9	NSR	6	NSR	3	NSR		8	NSR	1	NSR
5-9	21	0.6	12	0.6	9	NSR		17	0.6	4	NSR
10-14	715	18.1	162	8.0	553	28.6	*	455	15.6	260	25.0
15-19	4,775	105.7	1,745	76.1	3,030	136.2	*	3,104	95.0	1,671	133.7
20-24	6,057	136.5	2,747	122.2	3,308	151.2	*	4,179	130.4	1,878	152.4
25-29	5,346	137.7	2,396	121.7	2,949	154.1	*	3,678	124.7	1,668	178.7
30-34	4,724	126.2	2,236	118.9	2,484	133.3	*	3,300	118.1	1,424	149.9
35-39	4,732	124.2	2,115	111.4	2,616	136.8	*	3,279	117.2	1,453	143.6
40-44	5,247	122.8	2,308	108.9	2,938	136.3	*	3,815	122.2	1,432	124.3
45-49	5,420	117.5	2,388	105.0	3,029	129.4	*	3,847	114.6	1,573	125.2
50-54	4,347	91.7	1,925	82.8	2,422	100.4	*	3,167	92.4	1,180	90.0
55-59	2,624	60.6	1,242	58.9	1,381	62.2		1,973	63.6	651	52.9
60-64	1,439	39.0	650	36.7	787	41.0	*	1,062	40.6	377	34.9
65-69	783	28.0	307	23.6	475	31.8	*	597	30.6	186	21.9
70-74	484	22.0	200	20.4	283	23.3		353	23.2	131	19.5
75-79	397	22.0	201	26.5	196	18.7	*	316	24.9	81	15.0
80-84	294	19.8	128	22.3	166	18.2		237	22.5	57	13.3
85 +	296	19.0	159	32.3	137	12.9	*	233	20.8	63	14.4

\* 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: ALL SELF-INFLICTED

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>16,547</b>	<b>63.8</b>	<b>2,343</b>	<b>70.3</b>			<b>21,502</b>	<b>79.0</b>	<b>2,642</b>	<b>72.4</b>	<b>2,221</b>	<b>63.6</b>
< 5	2	NSR	4	NSR			0	NSR	2	NSR	1	NSR
5-9	5	NSR	3	NSR			1	NSR	5	NSR	6	NSR
10-14	105	6.5	30	10.8	*		373	24.4	70	26.2	57	17.4
15-19	1,365	74.6	161	49.9	*		2,229	125.3	377	121.9	283	82.7
20-24	2,127	118.3	293	93.9	*		2,547	146.1	375	121.5	341	107.0
25-29	1,909	119.6	240	95.9	*		2,339	152.6	308	121.2	273	94.1
30-34	1,759	114.6	237	105.3			1,945	129.8	281	117.7	268	97.8
35-39	1,648	104.7	248	117.8			2,110	134.8	257	112.2	241	95.6
40-44	1,756	97.8	348	157.3	*		2,348	130.1	301	123.2	263	114.7
45-49	1,875	95.4	294	132.2	*		2,554	127.9	255	101.8	204	100.8
50-54	1,556	76.1	239	115.2	*		2,051	98.1	213	88.2	129	82.5
55-59	1,020	54.3	145	85.0	*		1,169	60.0	113	54.8	72	61.0
60-64	536	33.6	58	45.0	*		706	41.5	34	20.4	44	52.5
65-69	267	22.5	14	16.4	*		420	31.4	21	17.8	21	36.6
70-74	176	19.6	11	17.6			249	22.7	16	16.9	7	NSR
75-79	179	25.6	8	NSR			177	18.6	5	NSR	6	NSR
80-84	116	21.7	5	NSR			156	18.6	4	NSR	4	NSR
85 +	146	31.8	5	NSR			128	13.0	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 INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>4,199</b>	<b>90.8</b>	<b>2,542</b>	<b>75.7</b>	<b>6,907</b>	<b>86.9</b>	<b>18,616</b>	<b>73.4</b>	<b>5,230</b>	<b>65.5</b>	<b>10,216</b>	<b>63.9</b>						
< 5	1	NSR	1	NSR	0	NSR	7	NSR	0	NSR	1	NSR						
5-9	1	NSR	3	NSR	1	NSR	10	0.6	0	NSR	6	NSR						
10-14	88	30.6	+	40	20.5		143	28.6	+	268	16.2		73	35.6	-	111	14.1	-
15-19	497	147.2	+	283	96.4		737	129.8	+	1,786	97.1	-	485	82.8	-	955	104.9	
20-24	542	173.5	+	359	96.1	-	958	181.3	+	2,264	125.0	-	638	122.5		1,263	141.4	
25-29	496	191.4	+	347	172.4	+	728	161.9	+	1,951	115.5	-	601	121.1		1,207	151.3	+
30-34	441	171.2	+	241	127.6		697	156.0	+	1,714	108.1	-	541	111.7	-	1,103	143.1	+
35-39	413	154.1	+	235	123.8		669	140.9	+	1,768	112.3	-	546	108.4	-	1,068	136.1	+
40-44	478	157.6	+	240	112.0		722	132.2		2,115	121.8		537	92.4	-	1,139	127.5	
45-49	465	140.6	+	294	124.0		764	128.2	+	2,141	115.9		635	110.3	-	1,154	116.9	
50-54	345	98.1		202	82.6		599	98.7		1,877	101.7	+	490	77.4	-	862	80.9	-
55-59	202	61.1		120	50.0	-	361	65.2		1,108	67.5	+	294	50.9	-	573	57.4	
60-64	84	29.6	-	65	32.9	-	225	46.0	+	579	42.4		181	30.3		312	36.7	
65-69	51	23.1	-	40	25.6	-	115	30.4		356	35.0	+	78	21.7	-	154	24.4	
70-74	25	14.0	-	31	24.5		63	21.7		233	29.7	+	49	15.2	-	93	18.1	-
75-79	24	16.4	-	18	14.7	-	42	17.9	-	179	27.6	+	38	16.8	-	87	20.1	
80-84	21	17.7		13	13.4	-	38	19.7		133	25.1	+	22	13.3	-	64	17.0	-
85 +	25	20.5		10	12.0	-	45	22.5		127	22.3		22	12.4	-	64	16.1	-

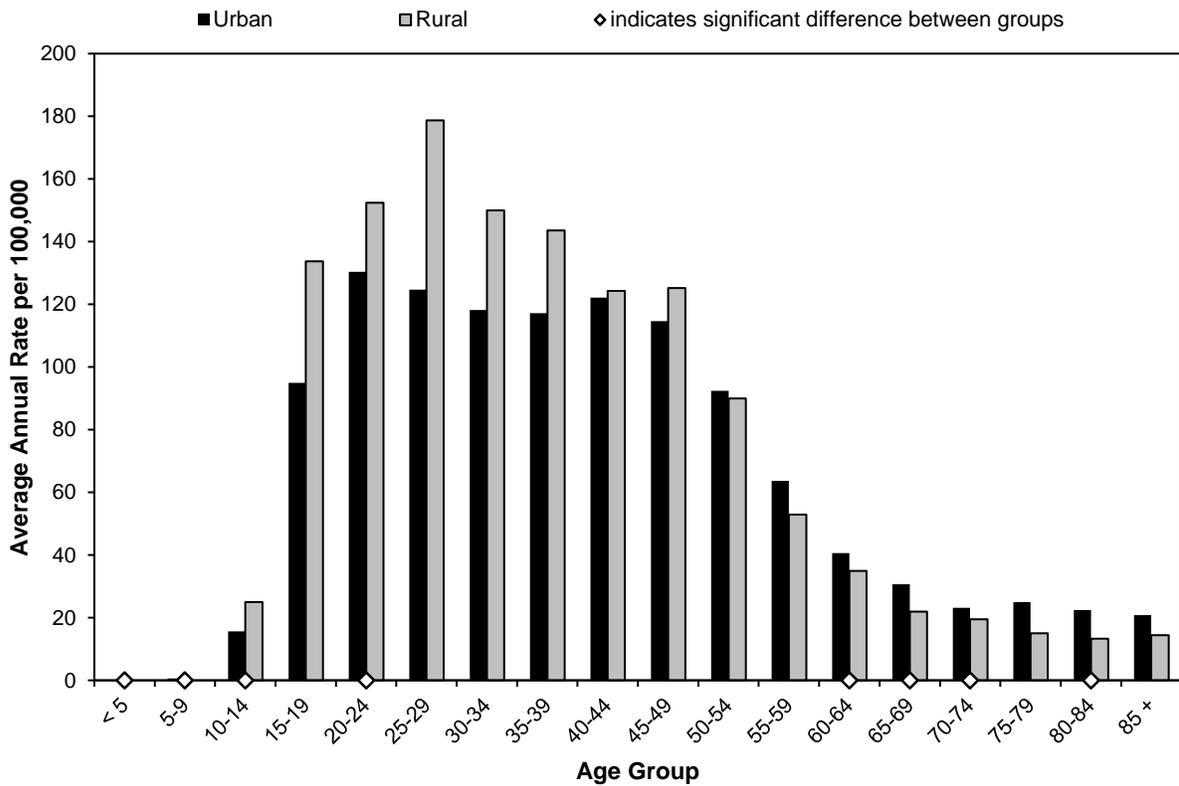
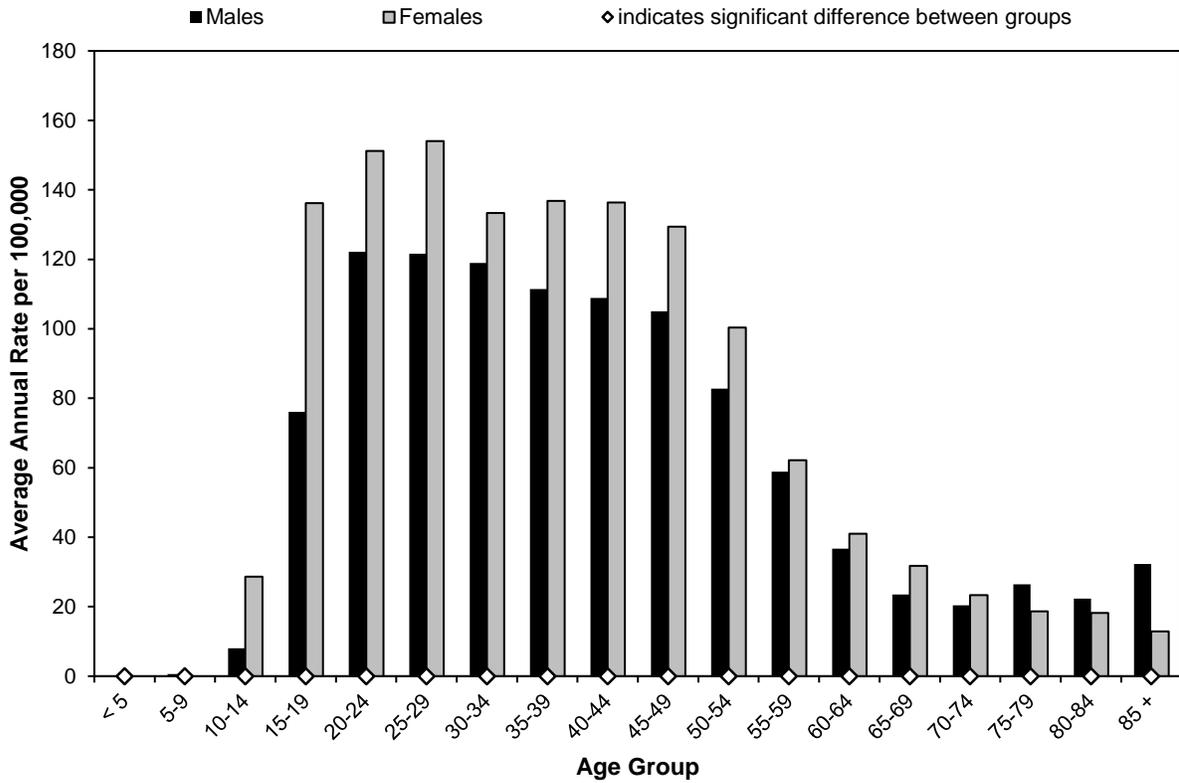
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

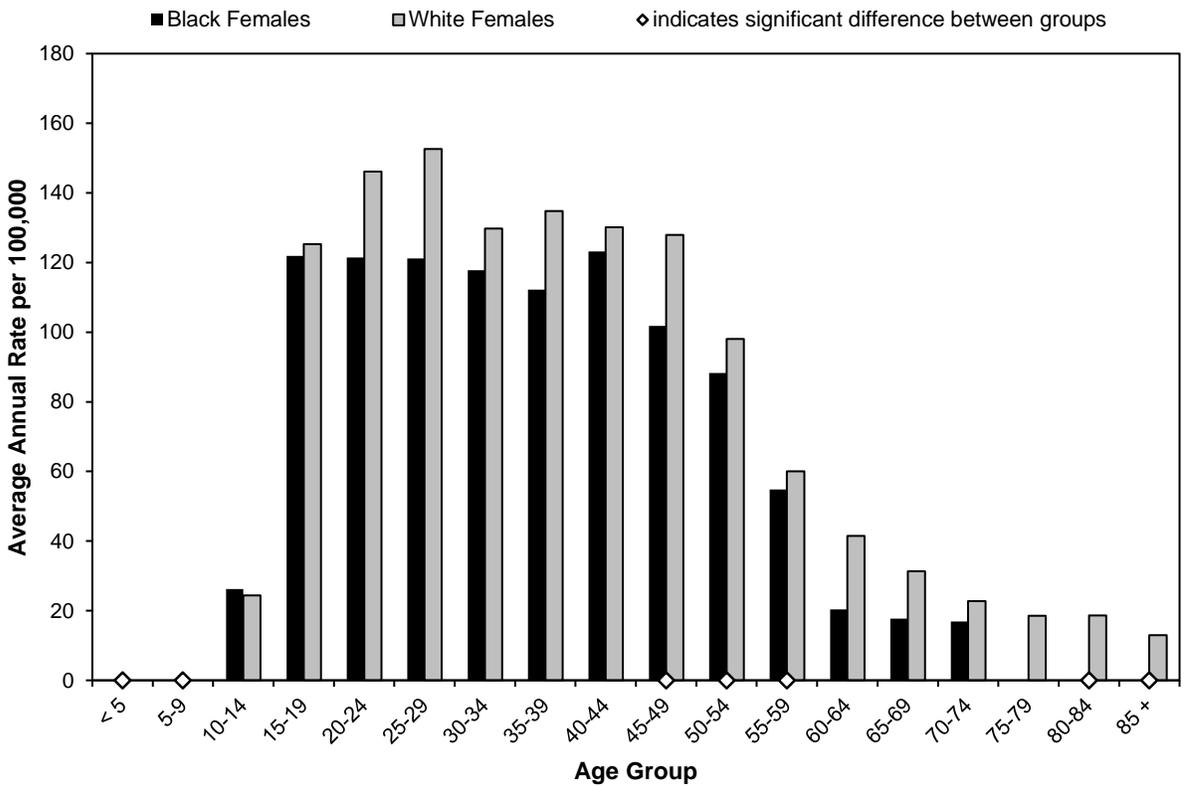
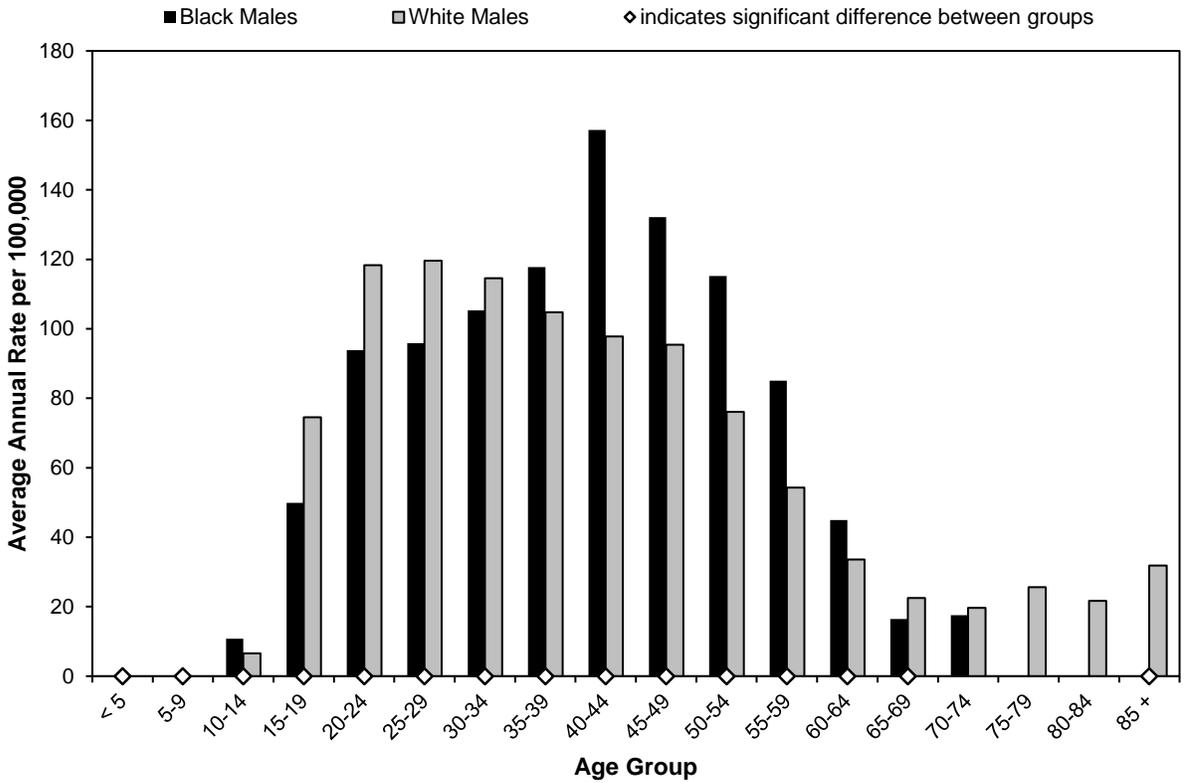
# INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX AND RACE  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED

## NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	6,907	90.5	88.4-92.7	+	<b>Southeast</b>	18,616	74.1	73.0-75.1	-
Carbon	442	148.8	135.0-162.7	+	Berks	1,431	71.6	67.9-75.3	-
Lackawanna	984	97.4	91.3-103.5	+	Bucks	2,413	80.4	77.2-83.6	
Lehigh	1,745	104.4	99.5-109.3	+	Chester	1,105	45.1	42.5-47.8	-
Luzerne	861	55.7	52.0-59.4	-	Delaware	2,380	85.6	82.1-89.0	+
Monroe	874	104.6	97.6-111.5	+	Lancaster	1,452	58.6	55.6-61.6	-
Northampton	1,530	106.5	101.2-111.9	+	Montgomery	2,298	59.2	56.8-61.6	-
Pike	95	33.9	27.1-40.7	-	Philadelphia	6,286	83.5	81.4-85.5	+
Susquehanna	101	55.0	44.3-65.7	-	Schuylkill	1,251	185.9	175.6-196.2	+
Wayne	197	84.3	72.5-96.1						
Wyoming	78	57.2	44.5-69.9	-					
<b>North Central</b>	2,542	75.7	72.8-78.7		<b>South Central</b>	5,230	65.5	63.8-67.3	-
Bradford	341	125.1	111.8-138.4	+	Adams	189	38.1	32.6-43.5	-
Centre	501	70.4	64.2-76.5	-	Bedford	98	43.7	35.1-52.4	-
Clinton	88	46.9	37.1-56.7	-	Blair	655	112.1	103.5-120.7	+
Columbia	335	106.7	95.3-118.1	+	Cumberland	619	53.7	49.4-57.9	-
Lycoming	271	47.4	41.8-53.1	-	Dauphin	770	59.7	55.5-63.9	-
Montour	104	129.0	104.2-153.8	+	Franklin	433	62.3	56.4-68.1	-
Northumberland	515	122.3	111.7-132.8	+	Fulton	29	42.5	27.0-57.9	-
Potter	48	62.7	45.0-80.4		Huntingdon	169	75.3	64.0-86.7	
Snyder	97	52.5	42.0-62.9	-	Juniata	53	46.6	34.1-59.2	-
Sullivan	18	NSR			Lebanon	267	44.1	38.8-49.4	-
Tioga	97	51.6	41.3-61.9	-	Mifflin	181	88.6	75.7-101.5	
Union	127	54.3	44.8-63.7	-	Perry	131	60.7	50.3-71.2	-
					York	1,636	78.2	74.4-82.0	
<b>Northwest</b>	4,199	97.0	94.1-100.0	+	<b>Southwest</b>	10,216	79.6	78.1-81.2	+
Cameron	32	125.2	81.8-168.6	+	Allegheny	4,173	69.8	67.7-71.9	-
Clarion	84	44.8	35.2-54.3	-	Armstrong	288	96.6	85.4-107.7	+
Clearfield	299	76.8	68.1-85.6		Beaver	750	98.7	91.6-105.8	+
Crawford	388	95.4	85.9-104.8	+	Butler	478	54.4	49.5-59.3	-
Elk	143	104.8	87.6-122.0	+	Cambria	857	130.3	121.6-139.0	+
Erie	1,426	105.1	99.6-110.5	+	Fayette	627	98.4	90.7-106.1	+
Forest	18	NSR			Greene	148	77.9	65.3-90.4	
Jefferson	156	77.8	65.6-90.0		Indiana	395	95.8	86.4-105.3	+
Lawrence	398	100.8	90.9-110.7	+	Somerset	299	85.3	75.6-94.9	
McKean	167	80.7	68.5-93.0		Washington	707	73.4	68.0-78.8	
Mercer	682	129.0	119.4-138.7	+	Westmoreland	1,494	91.1	86.5-95.7	+
Venango	227	94.6	82.3-106.9	+					
Warren	179	96.9	82.7-111.1	+	<b>Pennsylvania</b>	<b>47,710</b>	<b>77.6</b>	<b>76.9-78.3</b>	

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 INJURY HOSPITALIZATIONS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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	20,927	26,766	<b>47,693</b>	13,181	82.9	14,890	123.4	13,410	105.6	4,840	37.9	1,389	14.1
<b>Northeast</b>	2,953	3,943	<b>6,896</b>	2,563	130.9	2,097	147.2	1,720	106.4	403	24.4	1,420	9.6
Carbon	196	246	442	158	220.6	145	262.0	114	170.2	22	30.8	3	NSR
Lackawanna	428	555	983	350	139.4	311	156.0	236	115.4	72	33.2	15	7.9
Lehigh	749	996	1,745	689	151.5	549	168.1	398	112.4	80	23.3	29	11.0
Luzerne	389	463	852	313	86.4	234	81.1	226	70.4	70	21.4	18	6.3
Monroe	330	544	874	306	134.7	235	161.1	267	147.1	55	31.0	11	10.2
Northampton	674	856	1,530	570	149.7	485	179.2	363	119.4	69	22.8	43	18.6
Pike	32	63	95	44	62.4	22	52.1	25	39.7	4	NSR	0	NSR
Susquehanna	44	57	101	35	71.3	37	112.7	23	55.9	6	NSR	0	NSR
Wayne	79	117	196	80	146.2	55	136.5	48	90.9	13	20.6	1	NSR
Wyoming	32	46	78	18	50.4	24	102.5	20	72.0	12	39.1	4	NSR
<b>Southeast</b>	8,474	10,140	<b>18,614</b>	4,062	60.5	5,597	110.1	5,696	110.4	2,554	52.6	707	19.9
Berks	588	843	1,431	354	63.3	397	105.9	454	108.0	175	44.3	51	17.1
Bucks	1,084	1,329	2,413	795	101.0	707	138.6	699	101.5	157	23.1	55	12.0
Chester	470	635	1,105	401	58.0	310	70.6	280	51.4	75	15.0	39	12.0
Delaware	1,143	1,237	2,380	265	35.6	752	139.6	720	128.9	496	90.2	147	36.7
Lancaster	637	815	1,452	340	47.3	413	84.7	466	93.6	177	36.4	56	14.4
Montgomery	915	1,383	2,298	800	79.7	607	86.0	626	73.1	191	23.8	74	12.2
Philadelphia	3,089	3,197	6,286	550	26.9	2,034	107.0	2,186	152.5	1,245	96.8	271	28.9
Schuylkill	548	701	1,249	557	345.9	377	292.3	265	167.5	38	24.7	14	10.4

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	20,927	26,766	<b>47,693</b>	13,181	82.9	14,890	123.4	13,410	105.6	4,840	37.9	1,389	14.1
<b>North Central</b>	998	1,543	<b>2,541</b>	1,009	118.9	749	99.7	615	95.3	132	19.6	37	6.7
Bradford	114	227	341	171	220.3	86	173.7	72	116.8	10	15.0	2	NSR
Centre	170	330	500	215	115.5	142	58.2	117	95.6	17	14.7	10	11.5
Clinton	38	50	88	47	94.1	25	64.4	9	NSR	7	NSR	0	NSR
Columbia	141	194	335	130	156.3	96	136.7	88	148.0	13	20.1	8	NSR
Lycoming	128	143	271	80	57.0	77	68.6	91	80.5	16	13.2	7	NSR
Montour	45	59	104	50	232.7	37	251.8	11	63.6	6	NSR	0	NSR
Northumberland	211	304	515	145	136.8	161	204.6	157	167.4	43	43.0	9	NSR
Potter	18	30	48	16	75.0	11	84.5	17	106.6	4	NSR	0	NSR
Snyder	33	64	97	37	71.2	34	88.2	20	53.3	6	NSR	0	NSR
Sullivan	8	10	18	8	NSR	7	NSR	3	NSR	0	NSR	0	NSR
Tioga	39	58	97	40	75.5	31	84.6	22	59.0	4	NSR	0	NSR
Union	53	74	127	70	137.6	42	82.9	8	NSR	6	NSR	1	NSR
<b>South Central</b>	2,263	2,966	<b>5,229</b>	1,803	85.6	1,629	107.8	1,358	79.4	338	19.8	102	7.8
Adams	76	113	189	74	57.0	47	52.7	52	49.5	12	11.5	4	NSR
Bedford	42	56	98	34	57.6	31	79.6	24	47.5	7	NSR	2	NSR
Blair	290	365	655	288	188.2	188	167.6	139	114.4	37	27.8	3	NSR
Cumberland	251	368	619	219	76.4	194	83.0	162	69.2	28	12.0	16	8.6
Dauphin	340	430	770	137	40.5	264	106.5	242	88.5	99	35.6	28	15.2
Franklin	157	276	433	153	78.7	126	97.0	121	82.5	29	20.1	4	NSR
Fulton	19	10	29	16	87.4	9	NSR	4	NSR	0	NSR	0	NSR
Huntingdon	82	87	169	69	132.1	54	122.1	31	65.0	11	23.5	4	NSR
Juniata	23	29	52	22	70.9	14	69.2	14	58.6	3	NSR	0	NSR
Lebanon	109	158	267	92	55.0	97	80.9	55	42.5	15	11.3	8	NSR
Mifflin	74	107	181	94	158.9	49	130.6	30	65.9	8	NSR	0	NSR
Perry	47	84	131	36	60.9	50	128.0	34	70.4	11	21.8	0	NSR
York	753	883	1,636	569	102.0	506	131.3	450	95.9	78	17.6	33	10.7

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	20,927	26,766	<b>47,693</b>	13,181	82.9	14,890	123.4	13,410	105.6	4,840	37.9	1,389	14.1
<b>Northwest</b>	1,913	2,286	<b>4,199</b>	1,591	139.2	1,341	161.7	1,020	113.1	179	18.5	68	8.6
Cameron	20	12	32	6	NSR	6	NSR	17	363.4	3	NSR	0	NSR
Clarion	37	47	84	28	56.1	29	71.5	17	47.7	3	NSR	7	NSR
Clearfield	147	152	299	106	119.2	97	134.5	74	83.1	20	23.1	2	NSR
Crawford	181	207	388	118	103.5	129	170.6	102	121.0	31	33.0	8	NSR
Elk	74	69	143	56	153.4	55	239.6	25	73.2	3	NSR	4	NSR
Erie	631	795	1,426	557	151.2	439	155.3	354	131.8	50	18.1	26	12.7
Forest	11	7	18	12	212.4	4	NSR	2	NSR	0	NSR	0	NSR
Jefferson	83	73	156	49	90.9	62	165.2	33	75.3	10	20.8	2	NSR
Lawrence	190	208	398	145	132.6	144	195.6	97	112.1	8	NSR	4	NSR
McKean	60	107	167	76	144.5	45	116.8	37	83.2	9	NSR	0	NSR
Mercer	306	376	682	286	197.4	206	211.2	157	141.6	22	18.2	11	10.3
Venango	101	126	227	85	129.8	72	167.2	58	111.2	10	16.0	2	NSR
Warren	72	107	179	67	141.5	53	168.0	47	116.1	10	21.0	2	NSR
<b>Southwest</b>	4,326	5,888	<b>10,214</b>	2,153	68.8	3,477	141.2	3,001	112.6	1,234	42.3	351	14.9
Allegheny	1,764	2,408	4,172	371	26.3	1,441	119.3	1,345	113.6	791	61.6	225	21.9
Armstrong	121	167	288	128	160.5	87	165.1	51	73.8	12	15.6	10	15.6
Beaver	347	403	750	163	83.4	282	199.2	219	130.0	67	35.1	19	12.0
Butler	214	264	478	193	81.7	138	88.7	112	57.6	27	13.9	8	NSR
Cambria	374	483	857	236	145.5	294	236.4	227	164.2	74	47.1	26	19.2
Fayette	257	370	627	234	148.5	193	165.9	167	118.2	30	19.3	3	NSR
Greene	66	81	147	49	111.6	55	147.1	34	84.2	10	23.6	0	NSR
Indiana	172	223	395	133	118.7	126	131.8	96	126.2	28	32.1	12	17.1
Somerset	137	162	299	99	120.5	113	170.3	71	88.7	11	13.0	5	NSR
Washington	315	392	707	230	94.3	239	134.9	201	97.5	28	12.2	9	NSR
Westmoreland	559	935	1,494	317	78.4	509	177.4	478	130.4	156	37.7	34	9.9

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: ALL SELF-INFLICTED

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),  
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	574	72.7	66.8-78.7	Allegheny	3,482	71.0	68.7-73.4	Berks	257	81.2	71.2-91.1
Chester	99	62.9	50.5-75.3	Chester	919	42.8	40.0-45.6	Lancaster	80	36.9	28.8-45.0
Dauphin	112	49.5	40.3-58.7	Dauphin	582	59.0	54.2-63.8	Lehigh	313	98.1	87.2-108.9
Delaware	342	61.0	54.5-67.4	Delaware	1,923	95.4	91.2-99.7	Philadelphia	627	67	62.0-72.6
Montgomery	182	49.6	42.4-56.8	Montgomery	1,925	60.4	57.7-63.1				
Philadelphia	2,426	73.7	70.8-76.7	Philadelphia	2,822	80.9	77.9-83.9				
Pennsylvania	4,986	71.5	69.5-73.4	Pennsylvania	38,063	74.2	73.4-74.9	Pennsylvania	2,221	65.0	62.3-67.7

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES  
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	223.0	350	573	13.8%	82	31.0	215	122.6	187	125.1	77	54.8	13	14.4
	White	82.1%	1,478	2,004	3,482	83.4%	275	26.3	1,179	123.8	1,130	115.0	697	62.5	201	21.8
Chester	Black	6.3%	42	57	99	9.0%	10	20.2	48	134.9	25	84.1	14	54.4	2	NSR
	White	87.9%	387	532	919	83.2%	118	20.1	276	74.0	289	60.4	158	34.4	78	25.9
Dauphin	Black	18.3%	47	65	112	14.5%	14	17.1	37	75.3	45	92.9	12	29.5	4	NSR
	White	75.3%	258	324	582	75.6%	45	20.4	170	94.7	197	94.8	136	59.8	34	21.4
Delaware	Black	19.6%	166	176	342	14.4%	57	30.9	111	85.9	105	93.7	60	74.7	9	NSR
	White	73.7%	904	1,019	1,923	80.8%	191	38.7	605	164.1	583	144.1	410	92.5	134	38.7
Montgomery	Black	8.9%	81	101	182	7.9%	28	27.3	65	86.4	54	67.7	32	52.4	3	NSR
	White	82.7%	767	1,158	1,925	83.8%	234	29.6	563	101.1	553	79.4	408	58.6	167	30.6
Philadelphia	Black	44.8%	1,188	1,238	2,426	38.6%	254	24.0	724	95.9	929	142.0	465	80.7	54	14.7
	White	45.0%	1,442	1,380	2,822	44.9%	123	16.5	883	96.6	954	150.3	667	109.8	195	37.2
Pennsylvania	Black	11.0%	2,343	2,642	4,985	10.5%	652	29.3	1,735	109.2	1,703	123.6	802	71.5	94	14.1
	White	84.1%	16,547	21,502	38,049	79.8%	4,080	32.6	12,632	130.2	12,295	114.9	7,041	62.5	2,015	22.4

## INJURY HOSPITALIZATIONS: ALL ASSAULT INJURIES

In 2012, among Pennsylvania residents, there were 4,833 hospitalizations due to assault injury. On average, one resident was hospitalized every 109 minutes.

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### 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 66 percent of all assault injury hospitalizations in Pa.

### HIGHLIGHTS

- Age-adjusted rates **decreased** from 2008 to 2012.
- Most common demographic is **black males**, ages 15 to 29.
- Of all Pennsylvania counties, **Philadelphia** had the highest rate.

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### Trends Over Time

- Age-adjusted hospitalization rates for assault injury decreased by 15 percent from 46.8 hospitalizations per 100,000 population in 2008 to 39.6 per 100,000 hospitalizations population in 2012.
- Males had significantly higher age-adjusted assault injury hospitalization rates than females for all age groups during 2008 to 2012.
- Urban population had significantly higher age-adjusted assault injury hospitalization rates than rural population for all age groups during the 2008 to 2012 period.

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### Demographic Trends

- Black males and females accounted for over half of all assault injury hospitalizations.
- Among males and females, blacks had significantly higher assault injury hospitalization rates than whites for all ages for which rates could be calculated.

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### Regional Trends

- The Southeast Health District had the highest age-adjusted assault injury hospitalization rate while the North Central Health District had the lowest rate.
- Three counties had age-adjusted assault injury hospitalization rates in 2008 - 2012 that were significantly higher than the state rate; all the three counties, Allegheny, Delaware and Philadelphia, were urban counties.

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 assault hospitalizations in 2008-2012).

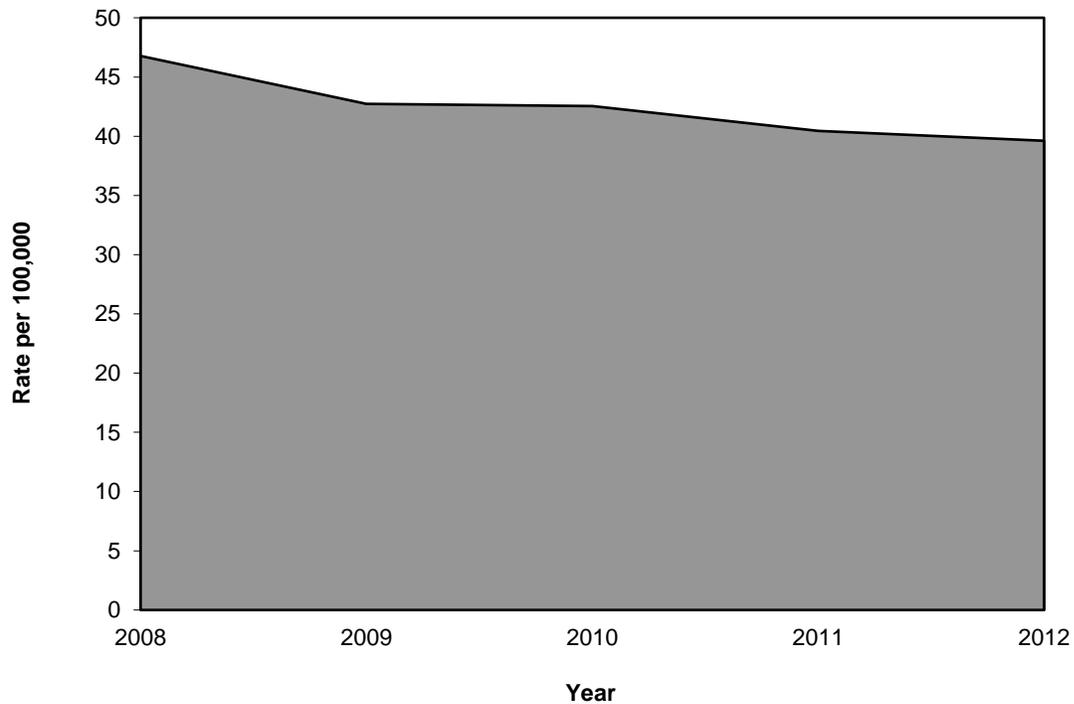
# INJURY HOSPITALIZATIONS: ALL ASSAULT

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	5,669	46.8
2009	5,240	42.7
2010	5,189	42.6
2011	4,952	40.4
2012	4,833	39.6

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## AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	27.1	14.6	30.8	72.6	16.3	41.6
2009	19.5	14.2	25.1	66.4	15.7	39.5
2010	23.1	12.9	29.1	65.2	16.3	37.2
2011	26.1	11.7	25.0	60.9	16.1	37.3
2012	24.4	11.7	25.6	60.7	16.7	33.3

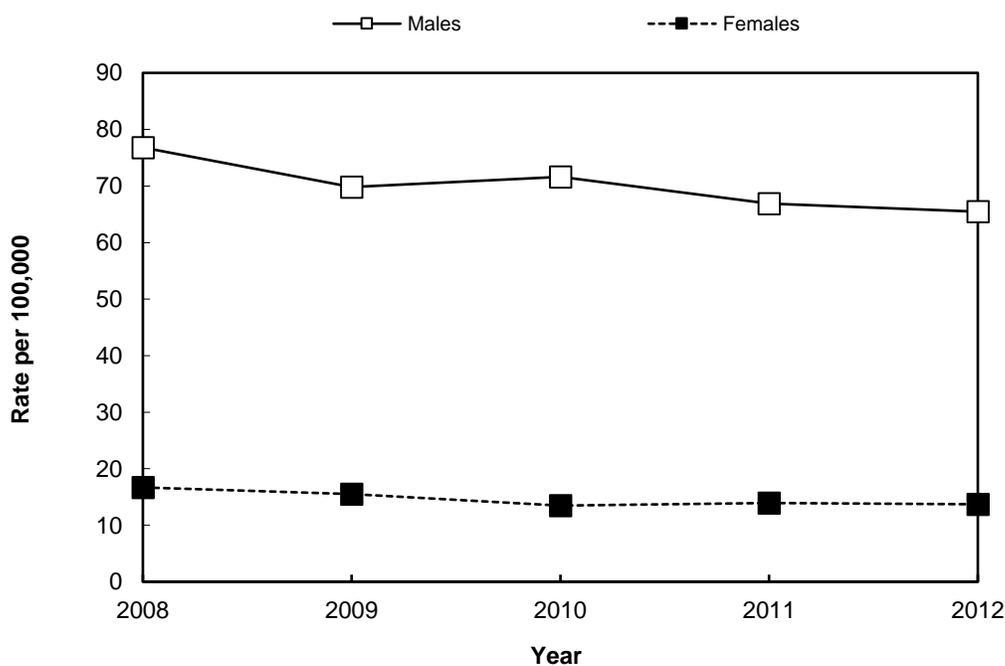
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-9 codes. See Technical Notes.

## INJURY HOSPITALIZATIONS: ALL ASSAULT

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	4,090	66.9	2011	858	13.9
2012	3,982	65.5	2012	848	13.7



### AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

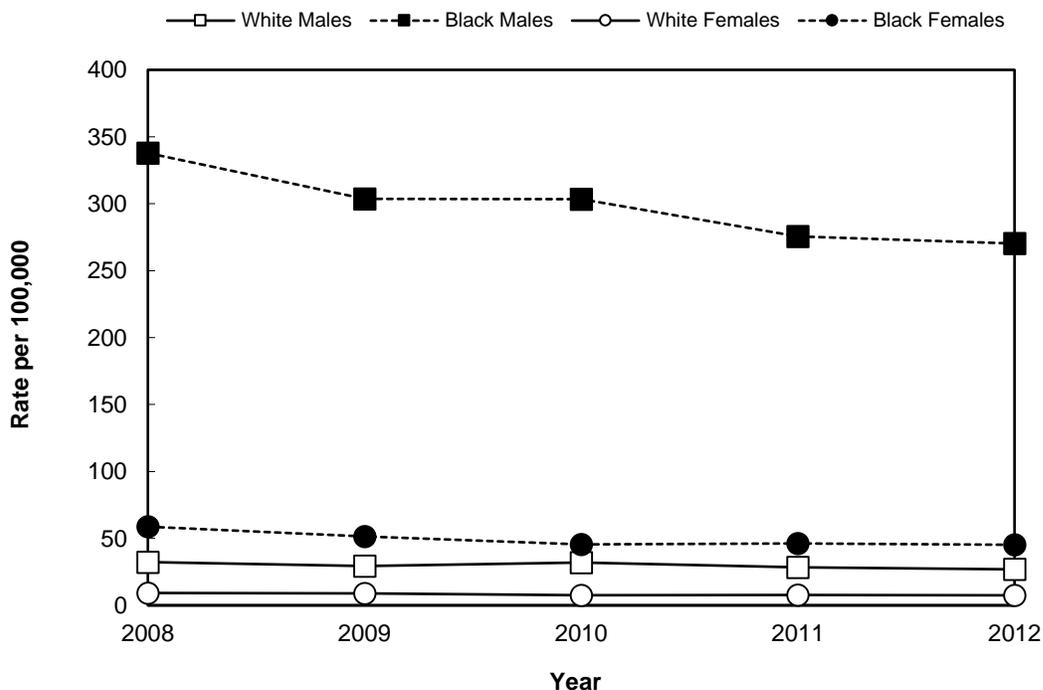
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	96.0	27.3	2008	19.9	8.0
2009	87.1	24.5	2009	18.1	8.2
2010	88.8	25.7	2010	16.0	6.3
2011	82.2	26.4	2011	16.2	7.5
2012	80.2	25.8	2012	15.3	9.1

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 HOSPITALIZATIONS: ALL ASSAULT

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	1,453	2,004	396	355	285	47
2012	1,356	1,984	394	351	221	36



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	28.5	275.6	7.6	46.1	70.7	12.0
2012	26.9	270.3	7.6	45.2	52.5	9.7

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 HOSPITALIZATIONS: ALL ASSAULT

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>25,883</b>	<b>40.9</b>	<b>21,358</b>	<b>69.3</b>	<b>4,508</b>	<b>13.9</b>			<b>23,101</b>	<b>50.2</b>	<b>2,782</b>	<b>16.1</b>
< 5	305	8.3	174	9.3	131	7.3			242	8.8	63	6.9 *
5-9	92	2.4	57	3.0	35	1.9	*		69	2.5	23	2.4
10-14	340	8.6	267	13.2	73	3.8	*		311	10.7	29	2.8 *
15-19	2,922	64.7	2,555	111.4	366	16.4	*		2,674	81.8	248	19.8 *
20-24	4,736	106.7	4,096	182.1	636	29.1	*		4,290	133.9	446	36.2 *
25-29	3,594	92.6	3,002	152.4	587	30.7	*		3,249	110.1	345	37.0 *
30-34	2,795	74.7	2,314	123.1	478	25.7	*		2,489	89.1	306	32.2 *
35-39	2,227	58.5	1,836	96.7	390	20.4	*		1,964	70.2	263	26.0 *
40-44	2,326	54.4	1,867	88.1	458	21.3	*		2,040	65.3	286	24.8 *
45-49	2,298	49.8	1,850	81.4	447	19.1	*		2,028	60.4	270	21.5 *
50-54	1,818	38.4	1,494	64.3	324	13.4	*		1,640	47.9	178	13.6 *
55-59	1,010	23.3	837	39.7	172	7.7	*		884	28.5	126	10.2 *
60-64	530	14.4	432	24.4	98	5.1	*		471	18.0	59	5.5 *
65-69	279	10.0	218	16.7	61	4.1	*		237	12.2	42	5.0 *
70-74	198	9.0	132	13.4	66	5.4	*		172	11.3	26	3.9 *
75-79	146	8.1	92	12.1	54	5.2	*		116	9.2	30	5.6 *
80-84	93	6.3	47	8.2	46	5.1	*		73	6.9	20	4.6 *
85 +	174	11.2	88	17.9	86	8.1	*		152	13.6	22	5.0 *

\* 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 HOSPITALIZATIONS: ALL ASSAULT

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>7,576</b>	<b>29.2</b>	<b>10,420</b>	<b>312.8</b>		<b>2,120</b>	<b>7.8</b>	<b>1,829</b>	<b>50.1</b>		<b>1,858</b>	<b>53.2</b>
< 5	79	5.5	71	26.6	*	52	3.8	44	16.9	*	20	5.2
5-9	28	1.8	24	9.1	*	11	0.8	15	5.9	*	10	2.8
10-14	79	4.9	140	50.2	*	19	1.2	43	16.1	*	27	8.3
15-19	683	37.3	1,470	455.7	*	117	6.6	206	66.6	*	223	65.1
20-24	1,344	74.8	2,077	665.7	*	218	12.5	326	105.6	*	357	112.0
25-29	1,039	65.1	1,441	575.7	*	255	16.6	257	101.1	*	290	99.9
30-34	764	49.8	1,094	486.1	*	218	14.5	192	80.5	*	262	95.6
35-39	617	39.2	883	419.3	*	197	12.6	157	68.6	*	205	81.3
40-44	716	39.9	887	400.8	*	238	13.2	162	66.3	*	157	68.5
45-49	731	37.2	892	401.1	*	223	11.2	173	69.1	*	109	53.8
50-54	600	29.4	701	337.9	*	176	8.4	123	51.0	*	105	67.1
55-59	350	18.6	397	232.8	*	104	5.3	52	25.2	*	41	34.7
60-64	216	13.5	173	134.1	*	62	3.6	29	17.4	*	19	22.7
65-69	123	10.4	63	74.0	*	44	3.3	12	10.1	*	12	20.9
70-74	69	7.7	51	81.4	*	48	4.4	10	10.6	*	5	NSR
75-79	59	8.4	26	57.2	*	42	4.4	8	NSR		3	NSR
80-84	32	6.0	7	NSR		27	3.2	8	NSR		6	NSR
85 +	47	10.2	23	86.7	*	69	7.0	12	18.3	*	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 HOSPITALIZATIONS: ALL ASSAULT

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>1,035</b>	<b>22.4</b>	<b>432</b>	<b>13.0</b>	<b>2,035</b>	<b>25.6</b>	<b>16,279</b>	<b>64.2</b>	<b>1,278</b>	<b>16.2</b>	<b>4,824</b>	<b>63.9</b>						
< 5	31	12.3	+	13	6.3	-	20	4.7	-	157	9.8	35	6.9	-	58	8.3		
5-9	7	NSR		1	NSR		4	NSR		49	3.0	+	9	NSR	27	3.7	+	
10-14	15	5.2	-	1	NSR		24	4.8	-	221	13.3	+	9	NSR	64	8.1		
15-19	93	27.5	-	39	13.6	-	231	40.7	-	1,824	99.2	+	115	20.2	-	614	67.5	
20-24	155	49.6	-	70	19.9	-	373	70.6	-	2,993	165.3	+	206	39.9	-	939	105.1	
25-29	122	47.1	-	54	26.9	-	283	62.9	-	2,312	136.9	+	176	33.9	-	632	79.2	-
30-34	125	48.5	-	45	23.0	-	211	47.2	-	1,782	112.4	+	152	31.7	-	476	61.7	-
35-39	101	37.7	-	37	19.4	-	200	42.1	-	1,422	90.4	+	107	21.2	-	352	44.9	-
40-44	95	31.3	-	45	21.0	-	165	30.2	-	1,457	83.9	+	112	19.5	-	446	49.9	
45-49	93	28.1	-	40	16.8	-	182	30.5	-	1,465	79.3	+	110	18.1	-	401	40.6	-
50-54	82	23.3	-	30	10.7	-	132	21.7	-	1,161	62.9	+	81	12.3	-	338	31.7	-
55-59	46	13.9	-	19	8.5	-	72	13.0	-	628	38.3	+	67	11.3	-	184	18.4	-
60-64	17	6.0	-	10	5.3	-	50	10.2	-	317	23.2	+	27	4.9	-	113	13.3	
65-69	18	8.1		10	6.0	-	25	6.6	-	142	13.9	+	25	5.7	-	58	9.2	
70-74	10	5.6	-	7	NSR		19	6.5	-	122	15.5	+	15	3.9	-	35	6.8	-
75-79	12	8.2		3	NSR		15	6.4		71	10.9	+	15	5.6	-	32	7.4	
80-84	6	NSR		3	NSR		11	5.7		46	8.7	+	9	NSR		20	5.3	
85 +	7	NSR		5	NSR		18	9.0		110	19.4	+	8	NSR		35	8.8	-

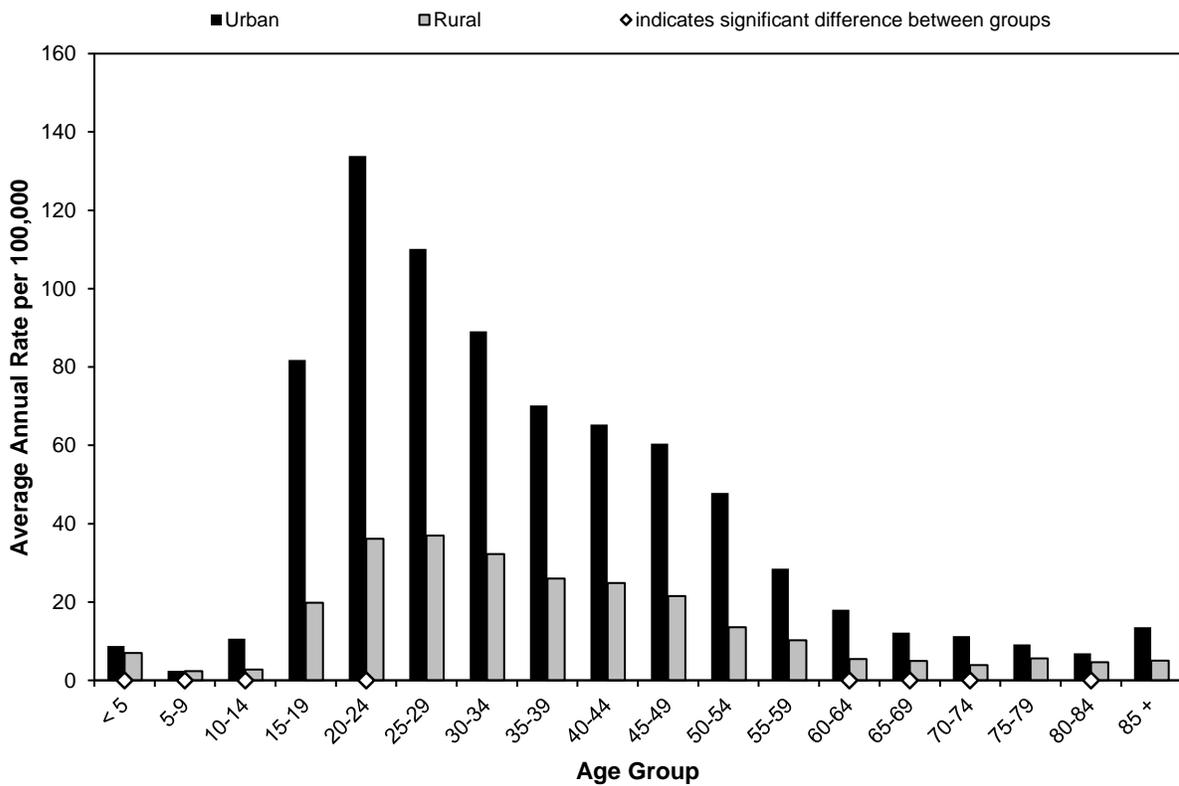
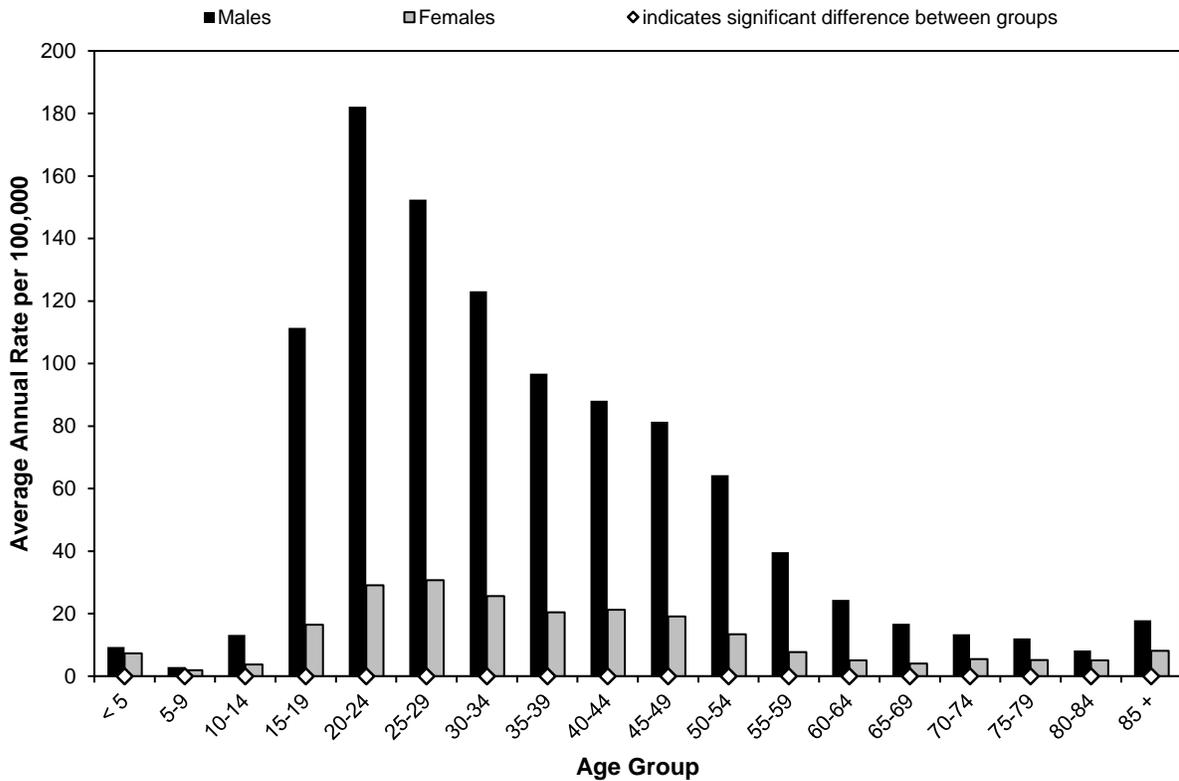
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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 HOSPITALIZATIONS: ALL ASSAULT

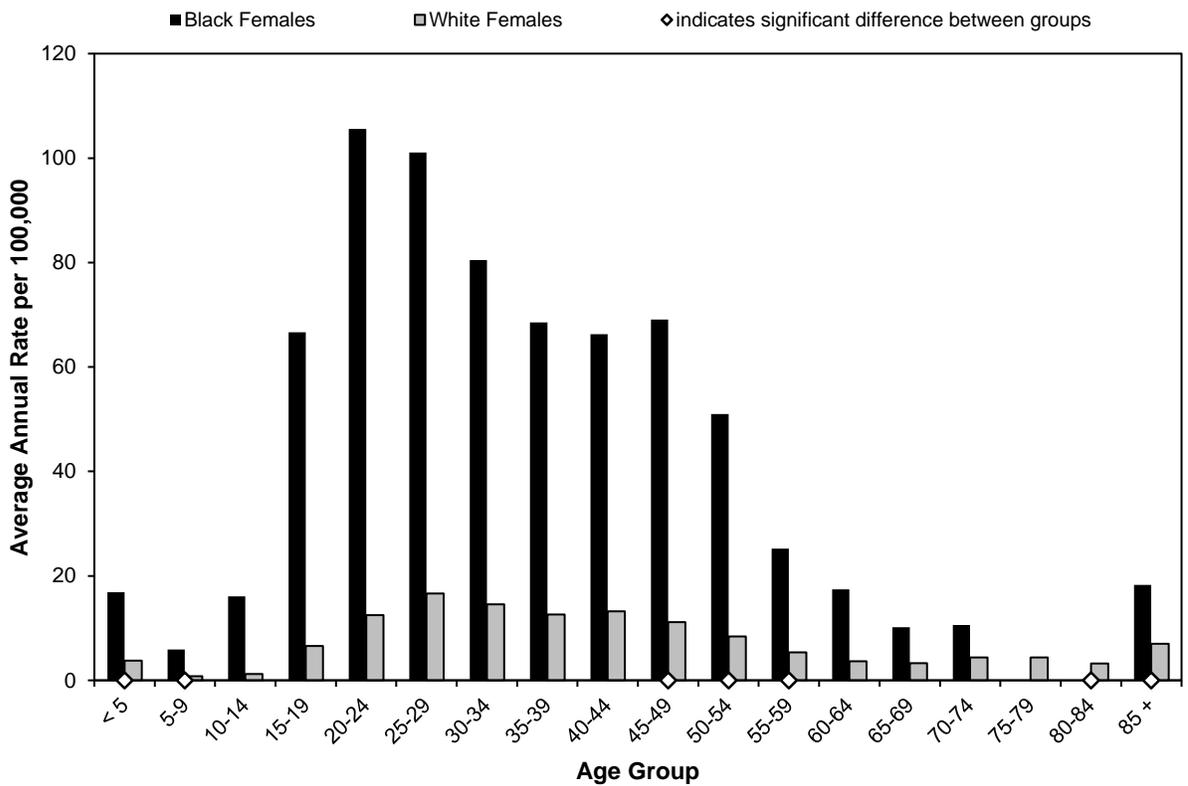
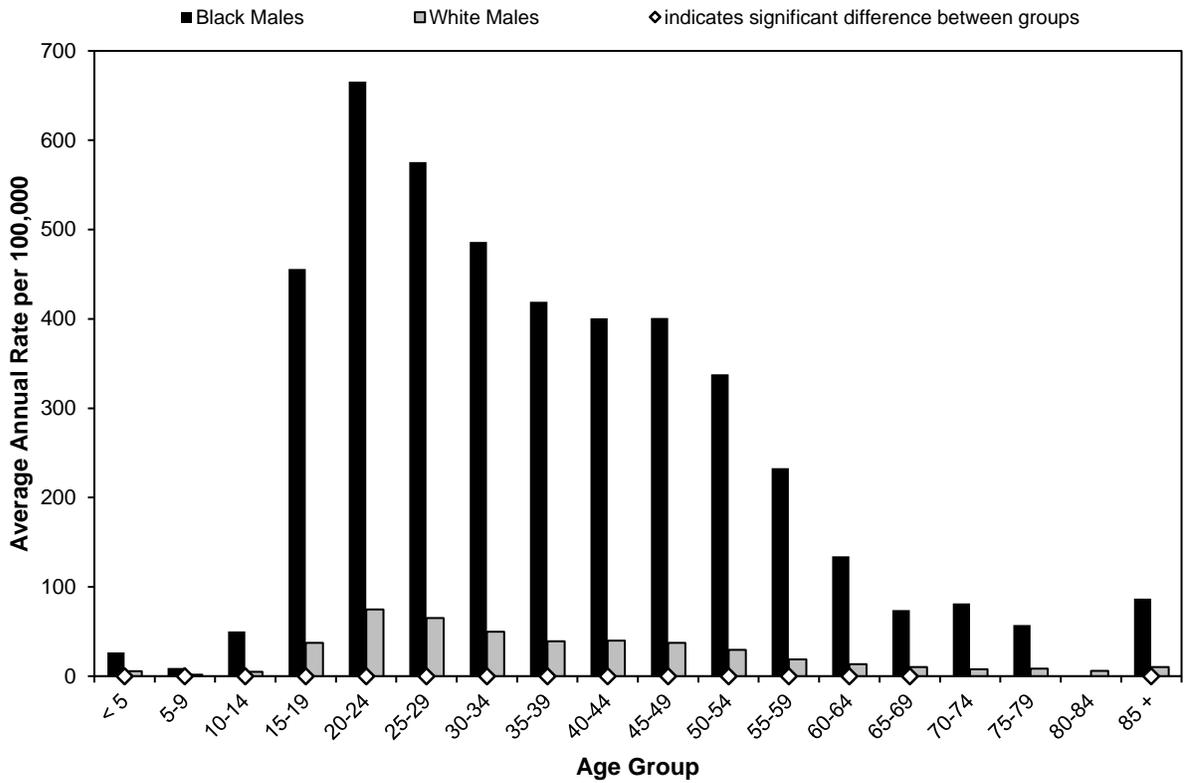
AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS  
PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: ALL ASSAULT

## AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX AND RACE

### PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: ALL ASSAULT

## NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

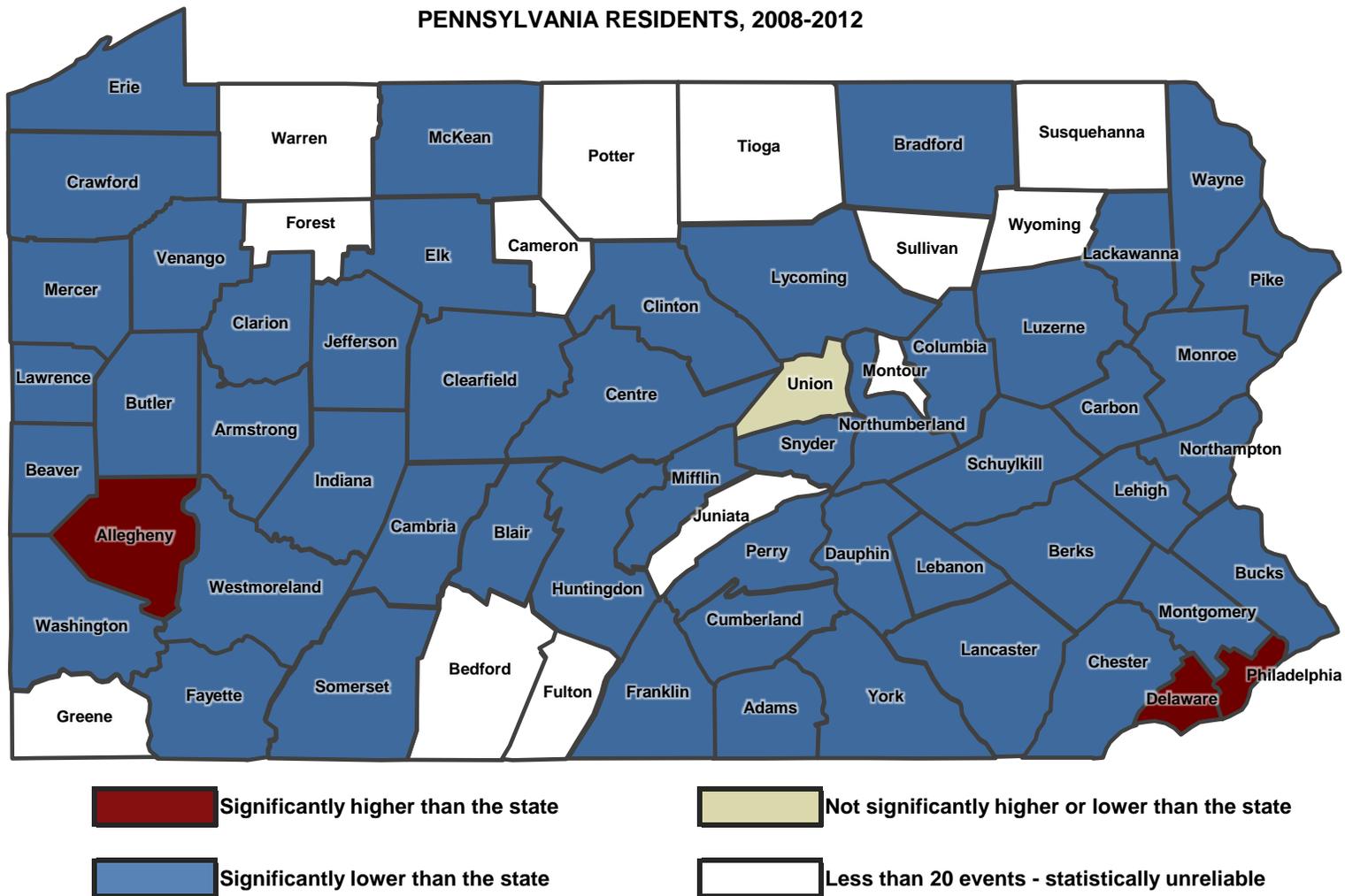
District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	2,035	27.1	25.9-28.3	-	<b>Southeast</b>	16,279	65.1	64.1-66.1	+
Carbon	77	25.6	19.9-31.4	-	Berks	633	32.8	30.2-35.3	-
Lackawanna	206	20.4	17.6-23.2	-	Bucks	524	18.4	16.9-20.0	-
Lehigh	589	35.7	32.8-38.5	-	Chester	325	13.6	12.1-15.1	-
Luzerne	384	26.1	23.5-28.7	-	Delaware	1,781	65.0	61.9-68.0	+
Monroe	168	20.0	17.0-23.0	-	Lancaster	410	16.9	15.3-18.5	-
Northampton	508	35.1	32.1-38.2	-	Montgomery	881	23.2	21.6-24.7	-
Pike	22	8.2	4.8-11.6	-	Philadelphia	11,597	147.1	144.4-149.8	+
Susquehanna	14	NSR		-	Schuylkill	128	19.4	16.1-22.8	-
Wayne	57	25.4	18.8-32.0	-					
Wyoming	10	NSR							
<b>North Central</b>	432	13.0	11.8-14.2	-	<b>South Central</b>	1,278	16.2	15.3-17.1	-
Bradford	33	12.5	8.2-16.7	-	Adams	35	7.5	5.0-10.0	-
Centre	55	7.3	5.4-9.2	-	Bedford	19	NSR		
Clinton	22	12.1	7.0-17.1	-	Blair	114	19.6	16.0-23.2	-
Columbia	57	17.9	13.2-22.5	-	Cumberland	120	10.0	8.2-11.7	-
Lycoming	91	15.8	12.6-19.0	-	Dauphin	358	28.7	25.7-31.6	-
Montour	12	NSR		-	Franklin	76	10.6	8.2-13.0	-
Northumberland	50	12.6	9.1-16.0	-	Fulton	7	NSR		
Potter	2	NSR		-	Huntingdon	27	12.0	7.5-16.6	-
Snyder	20	10.9	6.1-15.6	-	Juniata	10	NSR		
Sullivan	2	NSR		-	Lebanon	56	8.8	6.5-11.1	-
Tioga	11	NSR		-	Mifflin	29	14.7	9.3-20.0	-
Union	77	35.8	27.8-43.8	-	Perry	24	11.5	6.9-16.1	-
					York	403	19.6	17.7-21.6	-
<b>Northwest</b>	1,035	24.1	22.6-25.5	-	<b>Southwest</b>	4,824	37.8	36.7-38.9	-
Cameron	5	NSR		-	Allegheny	3,197	53.9	52.0-55.8	+
Clarion	29	17.7	11.3-24.1	-	Armstrong	62	21.5	16.1-26.8	-
Clearfield	58	14.9	11.0-18.7	-	Beaver	241	31.2	27.3-35.1	-
Crawford	56	14.2	10.5-17.9	-	Butler	129	15.0	12.4-17.6	-
Elk	22	16.2	9.4-23.0	-	Cambria	192	29.2	25.1-33.3	-
Erie	482	35.6	32.4-38.8	-	Fayette	194	31.0	26.6-35.3	-
Forest	4	NSR		-	Greene	18	NSR		
Jefferson	38	18.4	12.6-24.3	-	Indiana	76	18.9	14.6-23.1	-
Lawrence	126	31.0	25.5-36.4	-	Somerset	58	16.5	12.2-20.7	-
McKean	34	16.6	11.0-22.2	-	Washington	251	26.4	23.1-29.6	-
Mercer	106	19.3	15.6-23.0	-	Westmoreland	406	25.4	22.9-27.8	-
Venango	58	25.5	18.9-32.0	-					
Warren	17	NSR							
					<b>Pennsylvania</b>	<b>25,883</b>	<b>42.4</b>	<b>41.9-42.9</b>	

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

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY,  
WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE  
PENNSYLVANIA RESIDENTS, 2008-2012



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 INJURY HOSPITALIZATIONS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	21,360	4,506	<b>25,866</b>	4,518	28.4	10,815	89.7	6,633	52.2	3,123	24.5	794	8.1
<b>Northeast</b>	1,665	367	<b>2,032</b>	550	28.1	786	55.2	450	27.8	184	11.2	1,420	5.0
Carbon	54	23	77	33	46.1	20	36.1	14	20.9	6	NSR	4	NSR
Lackawanna	175	31	206	57	22.7	67	33.6	51	24.9	25	11.5	6	NSR
Lehigh	483	106	589	208	45.7	205	62.8	124	35.0	36	10.5	16	6.1
Luzerne	316	67	383	47	13.0	163	56.5	115	35.8	42	12.8	17	5.9
Monroe	129	38	167	95	41.8	40	27.4	28	15.4	5	NSR	0	NSR
Northampton	421	87	508	64	16.8	247	91.3	105	34.5	70	23.1	22	9.5
Pike	16	6	22	8	NSR	12	28.4	2	NSR	0	NSR	0	NSR
Susquehanna	10	3	13	7	NSR	5	NSR	2	NSR	0	NSR	0	NSR
Wayne	53	4	57	21	38.4	27	67.0	9	NSR	0	NSR	0	NSR
Wyoming	8	2	10	10	28.0	0	NSR	0	NSR	0	NSR	0	NSR
<b>Southeast</b>	13,697	2,577	<b>16,274</b>	2,306	34.4	7,064	138.9	4,333	84.0	2,090	43.1	486	13.7
Berks	520	113	633	70	12.5	296	79.0	171	40.7	72	18.2	24	8.0
Bucks	412	112	524	77	9.8	221	43.3	134	19.4	64	9.4	28	6.1
Chester	272	53	325	100	14.5	112	25.5	82	15.0	26	5.2	5	NSR
Delaware	1,482	299	1,781	282	37.9	802	148.9	439	78.6	209	38.0	49	12.2
Lancaster	323	87	410	68	9.5	198	40.6	98	19.7	31	6.4	15	3.8
Montgomery	711	169	880	99	9.9	352	49.9	249	29.1	139	17.3	42	6.9
Philadelphia	9,879	1,718	11,597	1,594	77.9	5,037	265.0	3,107	216.8	1,540	119.8	319	34.0
Schuylkill	98	26	124	16	9.9	46	35.7	53	33.5	9	NSR	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	21,360	4,506	<b>25,866</b>	4,518	28.4	10,815	89.7	6,633	52.2	3,123	24.5	794	8.1
<b>North Central</b>	334	89	<b>423</b>	204	24.0	140	18.6	58	9.0	27	4.0	3	NSR
Bradford	26	7	33	16	20.6	12	24.2	3	NSR	2	NSR	0	NSR
Centre	39	15	54	24	12.9	15	6.2	10	8.2	6	NSR	0	NSR
Clinton	17	5	22	15	30.0	7	NSR	0	NSR	0	NSR	0	NSR
Columbia	44	11	55	20	24.1	18	25.6	8	NSR	8	NSR	3	NSR
Lycoming	67	23	90	56	39.9	20	17.8	9	NSR	6	NSR	0	NSR
Montour	10	2	12	7	NSR	5	NSR	0	NSR	0	NSR	0	NSR
Northumberland	35	13	48	11	10.4	18	22.9	16	17.1	5	NSR	0	NSR
Potter	2	0	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Snyder	15	5	20	9	NSR	7	NSR	4	NSR	0	NSR	0	NSR
Sullivan	1	1	2	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	6	5	11	9	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Union	72	2	74	33	64.9	36	71.0	8	NSR	0	NSR	0	NSR
<b>South Central</b>	1,001	277	<b>1,278</b>	322	15.3	467	30.9	322	18.8	129	7.6	38	2.9
Adams	28	7	35	13	10.0	13	14.6	8	NSR	1	NSR	0	NSR
Bedford	15	4	19	10	16.9	8	NSR	1	NSR	0	NSR	0	NSR
Blair	91	23	114	40	26.1	38	33.9	27	22.2	5	NSR	4	NSR
Cumberland	94	26	120	66	23.0	22	9.4	23	9.8	8	NSR	1	NSR
Dauphin	283	75	358	58	17.1	149	60.1	99	36.2	44	15.8	8	NSR
Franklin	58	18	76	9	NSR	28	21.6	17	11.6	14	9.7	8	NSR
Fulton	6	1	7	4	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Huntingdon	19	8	27	5	NSR	12	27.1	7	NSR	3	NSR	0	NSR
Juniata	6	4	10	8	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Lebanon	49	7	56	34	20.3	9	NSR	10	7.7	3	NSR	0	NSR
Mifflin	16	13	29	10	16.9	13	34.6	6	NSR	0	NSR	0	NSR
Perry	20	4	24	12	20.3	6	NSR	5	NSR	1	NSR	0	NSR
York	316	87	403	53	9.5	164	42.5	119	25.4	50	11.3	17	5.5

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	21,360	4,506	<b>25,866</b>	4,518	28.4	10,815	89.7	6,633	52.2	3,123	24.5	794	8.1
<b>Northwest</b>	815	220	<b>1,035</b>	246	21.5	375	45.2	276	30.6	105	10.9	33	4.2
Cameron	5	0	5	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	22	7	29	10	20.0	12	29.6	6	NSR	1	NSR	0	NSR
Clearfield	46	12	58	18	20.2	18	25.0	11	12.3	6	NSR	5	NSR
Crawford	46	10	56	18	15.8	16	21.2	16	19.0	4	NSR	2	NSR
Elk	18	4	22	8	NSR	4	NSR	10	29.3	0	NSR	0	NSR
Erie	396	86	482	70	19.0	209	73.9	122	45.4	68	24.6	13	6.3
Forest	4	0	4	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	29	9	38	14	26.0	12	32.0	6	NSR	4	NSR	2	NSR
Lawrence	93	33	126	36	32.9	41	55.7	38	43.9	7	NSR	4	NSR
McKean	30	4	34	11	20.9	15	38.9	7	NSR	1	NSR	0	NSR
Mercer	69	37	106	23	15.9	28	28.7	39	35.2	9	NSR	7	NSR
Venango	47	11	58	23	35.1	17	39.5	15	28.8	3	NSR	0	NSR
Warren	10	7	17	6	NSR	3	NSR	6	NSR	2	NSR	0	NSR
<b>Southwest</b>	3,848	976	<b>4,824</b>	890	28.4	1,983	80.6	1,194	44.8	588	20.2	169	7.2
Allegheny	2,602	595	3,197	553	39.2	1,351	111.9	765	64.6	412	32.1	116	11.3
Armstrong	38	24	62	33	41.4	20	38.0	7	NSR	2	NSR	0	NSR
Beaver	189	52	241	85	43.5	69	48.8	62	36.8	16	8.4	9	NSR
Butler	102	27	129	23	9.7	55	35.3	28	14.4	18	9.3	5	NSR
Cambria	146	46	192	22	13.6	72	57.9	60	43.4	27	17.2	11	8.1
Fayette	158	36	194	19	12.1	93	79.9	50	35.4	24	15.5	8	NSR
Greene	15	3	18	8	NSR	7	NSR	3	NSR	0	NSR	0	NSR
Indiana	58	18	76	15	13.4	29	30.3	21	27.6	7	NSR	4	NSR
Somerset	49	9	58	12	14.6	21	31.6	19	23.7	5	NSR	1	NSR
Washington	188	63	251	69	28.3	84	47.4	73	35.4	22	9.6	3	NSR
Westmoreland	303	103	406	51	12.6	182	63.4	106	28.9	55	13.3	12	3.5

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 HOSPITALIZATIONS: ALL ASSAULT

**NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI),  
BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012**

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	1,739	204.9	195.3-214.5	Allegheny	1,276	26.3	24.9-27.7	Berks	176	55.8	47.5-64.0
Chester	89	56.4	44.7-68.2	Chester	191	9.0	7.8-10.3	Lancaster	44	19.3	13.6-24.9
Dauphin	195	81.2	69.8-92.6	Dauphin	105	10.8	8.8-12.9	Lehigh	116	34.8	28.5-41.2
Delaware	986	166.3	155.9-176.7	Delaware	678	34.9	32.2-37.5	Philadelphia	1,059	110	103.4-116.7
Montgomery	290	78.9	69.8-88.0	Montgomery	430	13.7	12.4-14.9				
Philadelphia	7,695	223.1	218.1-228.1	Philadelphia	1,905	52.8	50.5-55.2				
Pennsylvania	12,253	168.7	165.7-171.7	Pennsylvania	9,706	19.0	18.6-19.4	Pennsylvania	1,859	52.1	49.8-54.5

**NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES  
BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012**

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	Black	13.4%	1454.0	285	<b>1,739</b>	54.4%	387	146.3	790	450.6	351	234.8	184	131.0	27	29.9
	White	82.1%	993	283	<b>1,276</b>	39.9%	139	13.3	472	49.6	373	38.0	210	18.8	82	8.9
Chester	Black	6.3%	74	15	<b>89</b>	27.4%	16	32.3	35	98.4	32	107.6	5	NSR	1	NSR
	White	87.9%	157	34	<b>191</b>	58.8%	23	3.9	79	21.2	47	9.8	35	7.6	7	NSR
Dauphin	Black	18.3%	156	39	<b>195</b>	54.5%	41	50.1	87	177.1	48	99.1	15	36.8	4	NSR
	White	75.3%	74	31	<b>105</b>	29.3%	7	NSR	35	19.5	35	16.8	24	10.6	4	NSR
Delaware	Black	19.6%	839	147	<b>986</b>	55.4%	192	103.9	454	351.2	229	204.4	97	120.7	14	33.5
	White	73.7%	544	134	<b>678</b>	38.1%	73	14.8	294	79.8	185	45.7	96	21.7	30	8.7
Montgomery	Black	8.9%	245	45	<b>290</b>	32.9%	33	32.1	124	164.8	84	105.3	43	70.4	6	NSR
	White	82.7%	339	91	<b>430</b>	48.8%	51	6.5	144	25.9	126	18.1	80	11.5	29	5.3
Philadelphia	Black	44.8%	6,566	1,129	<b>7,695</b>	66.4%	1,138	107.6	3,307	437.9	2,077	317.4	1,013	175.8	160	43.6
	White	45.0%	1,572	333	<b>1,905</b>	16.4%	144	19.3	781	85.5	523	82.4	350	57.6	107	20.4
Pennsylvania	Black	11.0%	10,420	1,829	<b>12,249</b>	47.3%	2,014	90.6	5,390	339.2	3,154	228.8	1,475	131.6	220	33.0
	White	84.1%	7,576	2,120	<b>9,696</b>	37.5%	1,068	8.5	3,844	39.6	2,725	25.5	1,509	13.4	560	6.2

## INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

In 2012, among Pennsylvania residents, there were 17,035 injury hospitalizations involving traumatic brain injury (TBI). On average, one resident was hospitalized every 31 minutes.

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### Injury Definition

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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 **decreased** from 2008 to 2012.
- Most common demographic is residents age **80 and older**.
- Of all Pennsylvania counties, **Northampton and Cameron** had the highest rates.

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### Trends Over Time

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- Age-adjusted hospitalization rates for TBI decreased by 9 percent from 128.8 hospitalizations per 100,000 population in 2008 to 117.0 hospitalizations per 100,000 population in 2012.
- Males had significantly higher age-adjusted TBI hospitalization rates than females for all age groups during the 2008 to 2012 period.
- Urban populations had significantly higher age-adjusted TBI hospitalization rates than rural populations.

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### Demographic Trends

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- Among males, blacks had significantly higher TBI hospitalization rates for ages less than 75, while whites had significantly higher rates for ages 80 and older during 2008 to 2012.
- Among females, blacks had significantly higher TBI hospitalization rates for ages less than 10, 30-34 and 40-54, while whites had significantly higher rates for ages 70 and older.

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### Regional Trends

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- The Northeast and the Southwest Health Districts had the highest age-adjusted TBI hospitalization rates, while the North Central and the South Central Health Districts had the lowest age-adjusted TBI hospitalization rates during the 2008 to 2012 period.
- Eight counties had age-adjusted TBI hospitalization rates for 2008 to 2012 that were significantly higher than the comparable state rate.

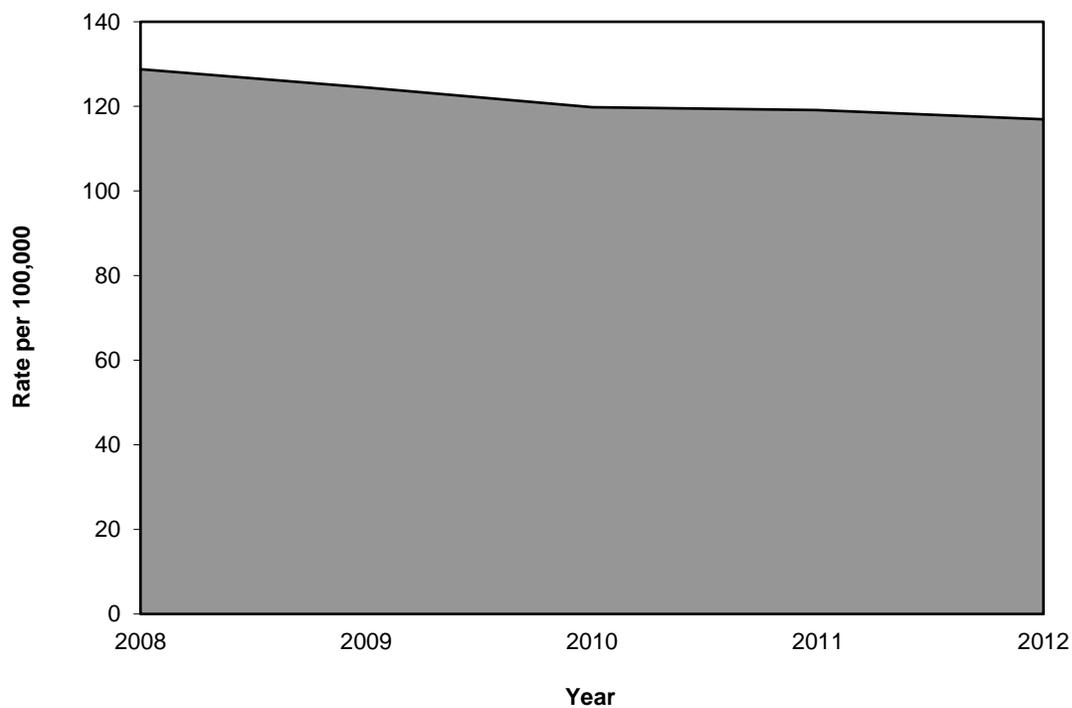
# INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, 2008-2012

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Year	No.	Rate
2008	17,579	128.8
2009	17,544	124.5
2010	17,034	119.8
2011	17,166	119.1
2012	17,035	117.0

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## AGE-ADJUSTED RATE BY HEALTH DISTRICT, 2008-2012

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Year	Northwest	North Central	Northeast	Southeast	South Central	Southwest
2008	133.7	87.3	146.9	129.0	94.6	146.1
2009	119.2	88.6	148.2	128.3	92.6	132.5
2010	116.9	89.3	134.5	122.1	91.7	133.0
2011	115.2	97.9	129.3	124.6	93.3	125.8
2012	124.5	98.0	128.9	116.6	92.9	127.5

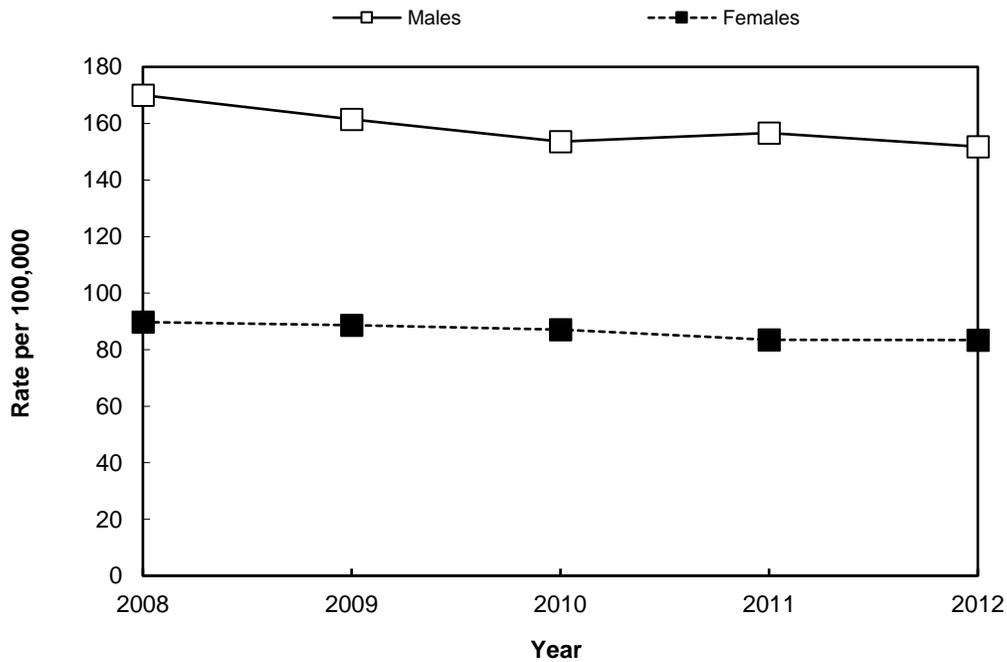
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NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2008-2012 based on ICD-9 codes. See Technical Notes.

# INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

## TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX PENNSYLVANIA RESIDENTS, 2008-2012

Year	Male No.	Male Rate	Year	Female No.	Female Rate
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
2011	10,085	156.6	2011	7,048	83.5
2012	9,860	151.8	2012	7,130	83.4



## AGE-ADJUSTED RATE BY SEX AND METROPOLITAN STATUS, 2008-2012

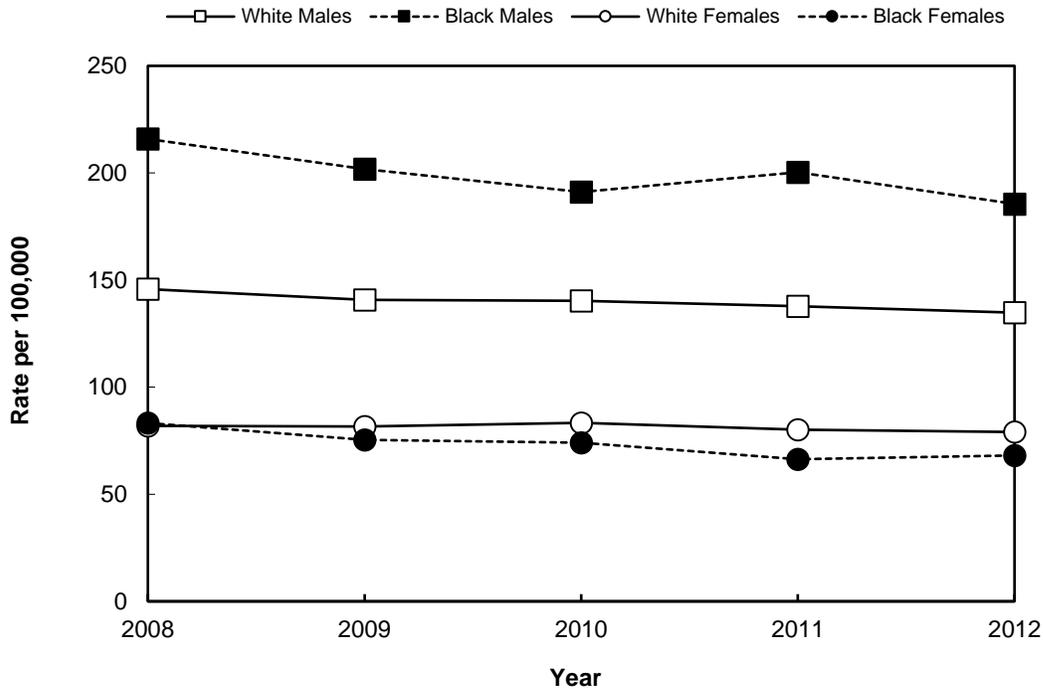
Year	Urban Male	Rural Male	Year	Urban Female	Rural Female
2008	175.7	156.2	2008	91.7	84.9
2009	166.6	148.6	2009	89.6	86.5
2010	159.1	140.7	2010	87.2	87.0
2011	163.6	139.8	2011	83.7	83.2
2012	155.6	142.5	2012	83.8	82.9

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 INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND RACE OR ETHNICITY PENNSYLVANIA RESIDENTS, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	7,740	1,282	6,019	492	321	115
2012	7,632	1,195	6,031	515	298	120



### AGE-ADJUSTED RATE BY SEX AND RACE OR ETHNICITY, 2008-2012

Year	White Male	Black Male	White Female	Black Female	Hispanic Male	Hispanic Female
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
2011	137.8	200.3	80.1	66.3	118.0	51.8
2012	134.8	185.5	79.1	68.2	99.0	45.7

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 HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2008-2012

AGE GROUP	PA TOTAL		MALE		FEMALE		URBAN		RURAL			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
<b>TOTAL</b>	<b>86,358</b>	<b>136.5</b>	<b>50,291</b>	<b>163.2</b>	<b>35,914</b>	<b>110.7</b>			<b>63,651</b>	<b>138.3</b>	<b>22,707</b>	<b>131.6</b>
< 5	1,437	39.3	887	47.4	539	30.2	*	1,106	40.2	331	36.5	
5-9	1,134	30.1	739	38.4	390	21.1	*	854	30.5	280	28.9	
10-14	1,802	45.6	1,267	62.7	527	27.3	*	1,307	44.9	495	47.6	
15-19	4,858	107.5	3,406	148.6	1,436	64.5	*	3,466	106.1	1,392	111.4	
20-24	5,756	129.7	4,251	189.0	1,488	68.0	*	4,272	133.3	1,484	120.4	*
25-29	4,251	109.5	3,132	159.0	1,116	58.3	*	3,177	107.7	1,074	115.1	
30-34	3,287	87.8	2,362	125.6	920	49.4	*	2,414	86.4	873	91.9	
35-39	3,169	83.2	2,286	120.5	878	45.9	*	2,304	82.3	865	85.5	
40-44	3,783	88.5	2,696	127.2	1,081	50.2	*	2,745	87.9	1,038	90.1	
45-49	4,734	102.6	3,307	145.4	1,414	60.4	*	3,548	105.7	1,186	94.4	*
50-54	5,122	108.1	3,525	151.6	1,590	65.9	*	3,832	111.8	1,290	98.4	*
55-59	4,769	110.1	3,131	148.4	1,629	73.3	*	3,599	116.1	1,170	95.1	*
60-64	4,538	122.9	2,865	161.7	1,667	86.8	*	3,334	127.6	1,204	111.6	*
65-69	4,209	150.5	2,400	184.2	1,804	120.8	*	3,014	154.6	1,195	141.0	*
70-74	4,760	216.7	2,520	256.7	2,235	184.0	*	3,441	225.7	1,319	196.3	*
75-79	6,382	353.3	3,087	406.9	3,286	313.6	*	4,676	369.1	1,706	316.1	*
80-84	8,557	576.4	3,621	631.3	4,925	540.7	*	6,310	598.5	2,247	522.4	*
85 +	13,810	887.1	4,809	978.0	8,989	844.0	*	10,252	915.4	3,558	814.4	*

\* 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: TRAUMATIC BRAIN INJURY

### TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY SEX AND RACE OR ETHNICITY, 2008-2012

AGE GROUP	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE		HISPANICS	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>TOTAL</b>	<b>38,548</b>	<b>148.5</b>	<b>6,143</b>	<b>184.4</b>	<b>30,103</b>	<b>110.6</b>	<b>2,673</b>	<b>73.3</b>	<b>2,597</b>	<b>74.4</b>
< 5	523	36.2	174	65.1	332	24.2	104	39.9	128	33.0
5-9	437	28.9	167	63.5	253	17.6	63	24.7	83	23.5
10-14	900	55.9	196	70.3	380	24.8	69	25.8	99	30.3
15-19	2,437	133.1	534	165.6	1,124	63.2	167	54.0	207	60.5
20-24	2,989	166.3	651	208.7	1,069	61.3	184	59.6	276	86.6
25-29	2,178	136.5	482	192.6	821	53.6	158	62.2	219	75.5
30-34	1,615	105.2	350	155.5	639	42.6	144	60.3	210	76.6
35-39	1,583	100.6	374	177.6	664	42.4	101	44.1	175	69.4
40-44	1,912	106.5	420	189.8	823	45.6	140	57.3	167	72.8
45-49	2,373	120.8	555	249.5	1,108	55.5	171	68.3	181	89.4
50-54	2,578	126.1	556	268.0	1,255	60.0	181	75.0	193	123.4
55-59	2,373	126.3	455	266.8	1,331	68.3	159	77.2	106	89.8
60-64	2,290	143.5	335	259.7	1,402	82.4	131	78.7	101	120.4
65-69	1,970	166.1	224	263.1	1,536	114.7	113	95.5	83	144.7
70-74	2,108	235.1	191	305.0	1,923	175.7	132	139.6	92	239.7
75-79	2,675	382.6	164	361.0	2,902	304.5	151	194.7	79	295.0
80-84	3,264	610.5	140	454.9	4,436	529.4	182	298.2	82	466.7
85 +	4,343	946.5	175	659.6	8,105	820.3	323	492.5	116	733.4

\* 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. 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 INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES PENNSYLVANIA RESIDENTS, BY HEALTH DISTRICT, 2008-2012

AGE GROUP	NORTHWEST		NORTH CENTRAL		NORTHEAST		SOUTHEAST		SOUTH CENTRAL		SOUTHWEST							
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate						
<b>TOTAL</b>	<b>6,488</b>	<b>140.2</b>	<b>3,545</b>	<b>92.3</b>	<b>12,262</b>	<b>154.3</b>	<b>33,933</b>	<b>133.8</b>	<b>8,487</b>	<b>93.0</b>	<b>21,643</b>	<b>63.9</b>						
< 5	88	35.0	-	59	33.4	206	48.0	+	657	41.0	165	30.3	218	31.2	-			
5-9	52	19.6	-	50	30.1	172	37.4	+	524	32.5	131	24.2	177	24.1	-			
10-14	139	48.4		76	40.3	283	56.5	+	735	44.3	191	35.7	343	43.6				
15-19	356	105.4		245	89.9	769	135.5	+	1,953	106.2	543	92.5	950	104.4				
20-24	424	135.7		235	62.9	-	825	156.1	+	2,409	133.0	558	108.6	-	1,286	144.0	+	
25-29	300	115.8		190	96.3		588	130.7	+	1,852	109.6	341	66.7	-	959	120.2	+	
30-34	245	95.1		121	62.5	-	459	102.7	+	1,388	87.6	303	58.9	-	779	101.1	+	
35-39	231	86.2		122	68.6		473	99.6	+	1,312	83.4	302	59.9	-	702	89.5		
40-44	283	93.3		140	69.5	-	562	102.9	+	1,563	90.0	358	62.4	-	842	94.3		
45-49	316	95.5		158	70.2	-	672	112.8	+	2,026	109.6	+	411	64.5	-	1,106	112.1	+
50-54	406	115.5		178	72.8	-	679	111.9		2,192	118.7	+	463	70.3	-	1,197	112.3	
55-59	377	114.0		184	80.1	-	606	109.4		1,952	118.9	+	437	70.1	-	1,215	121.7	+
60-64	336	118.2		204	110.8	-	652	133.3		1,776	130.0		467	89.7	-	1,147	134.8	+
65-69	340	153.9		212	125.3		600	158.6		1,580	155.1		475	118.2	-	1,054	167.1	+
70-74	395	221.2		199	158.5	-	695	239.5	+	1,712	218.0		536	172.2	-	1,276	248.4	+
75-79	535	366.6		280	278.0	-	893	380.0	+	2,287	352.2		635	266.4	-	1,756	405.9	+
80-84	626	526.2	-	320	400.0	-	1,228	637.7	+	2,990	564.3		892	472.9	-	2,520	668.1	+
85 +	1,039	850.8		572	680.2	-	1,900	950.5	+	5,025	884.1		1,279	664.1	-	4,116	1,038.2	+

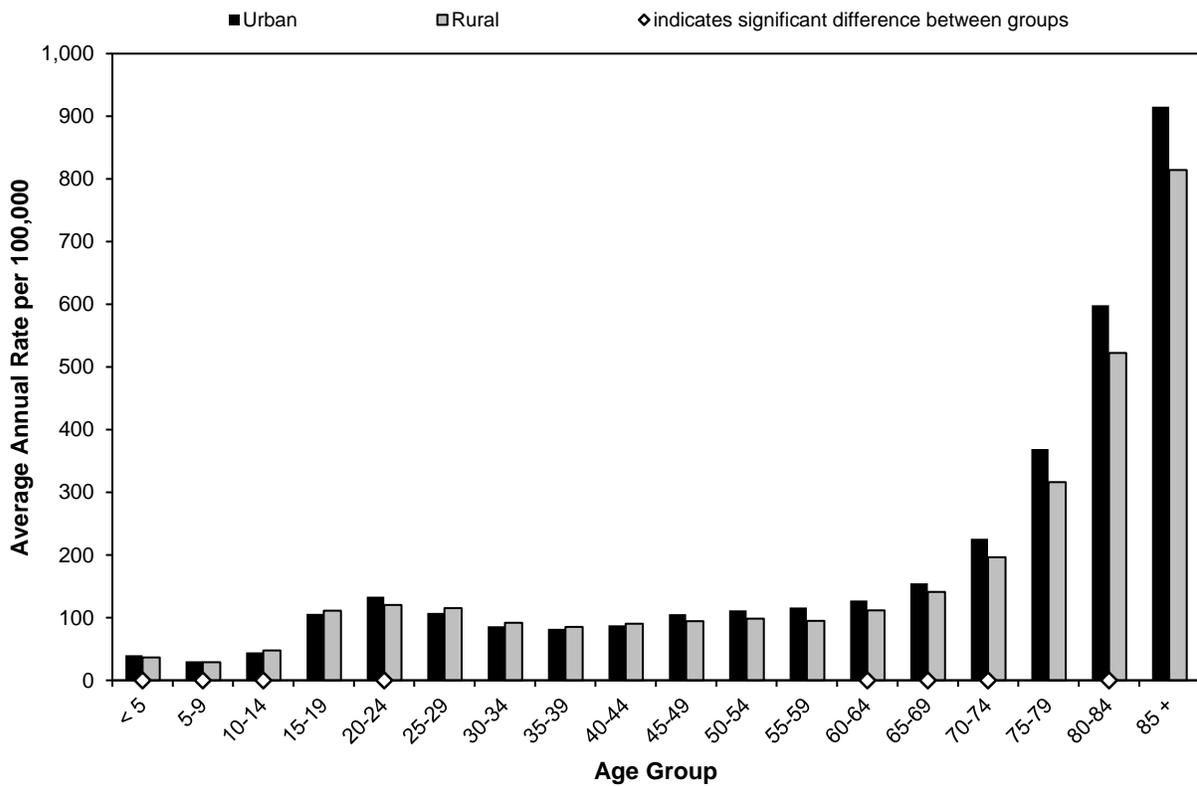
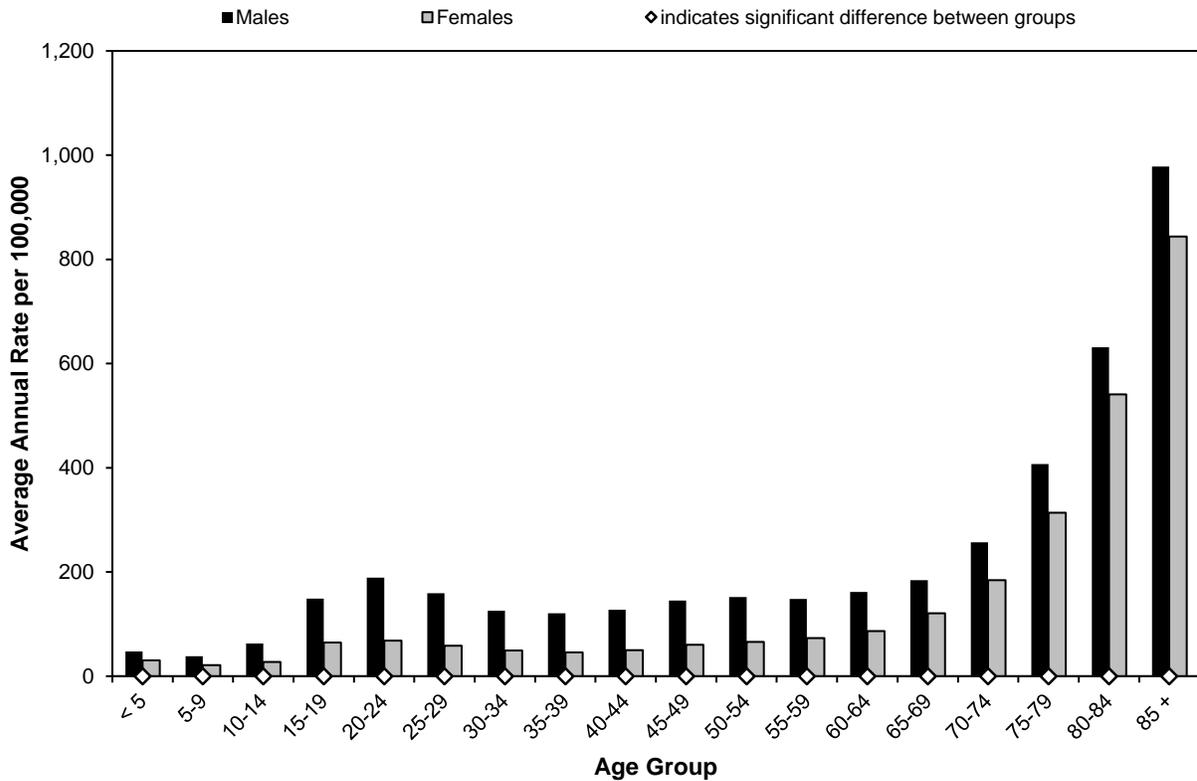
+/- denotes that the district's rate is significantly higher or lower than the state at the p = .05 level; otherwise the difference is not significant.

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.

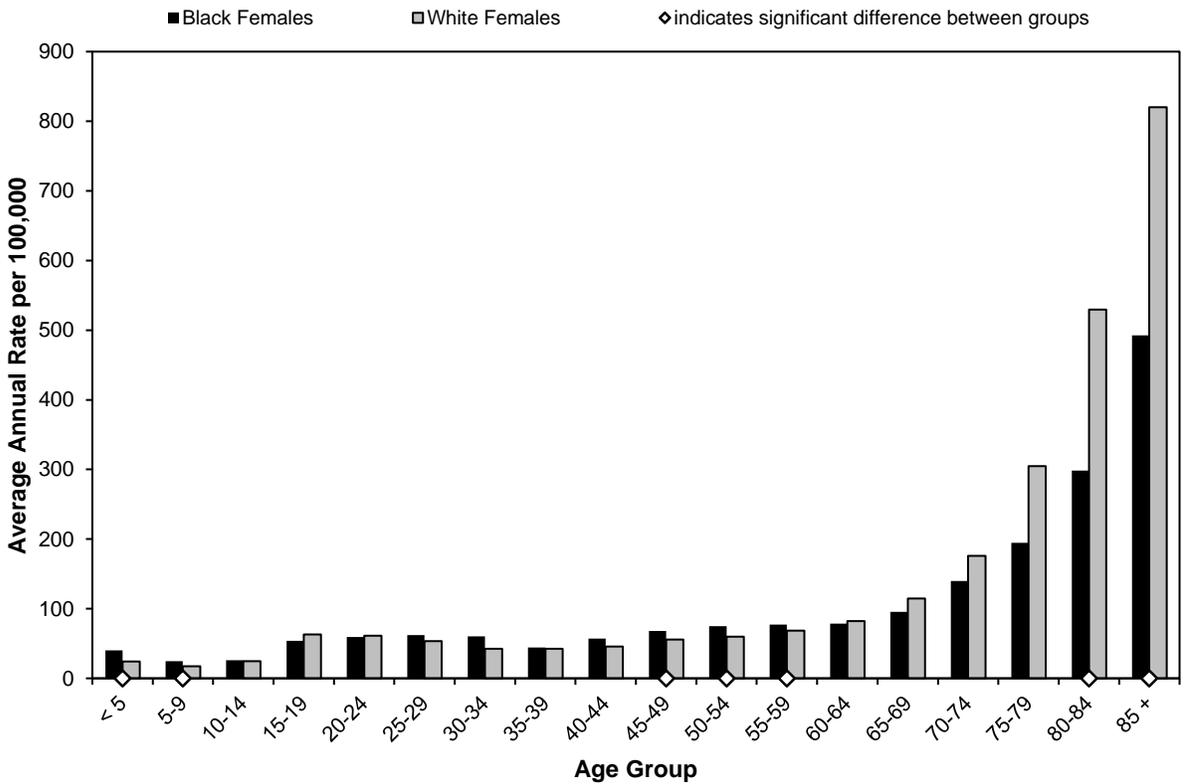
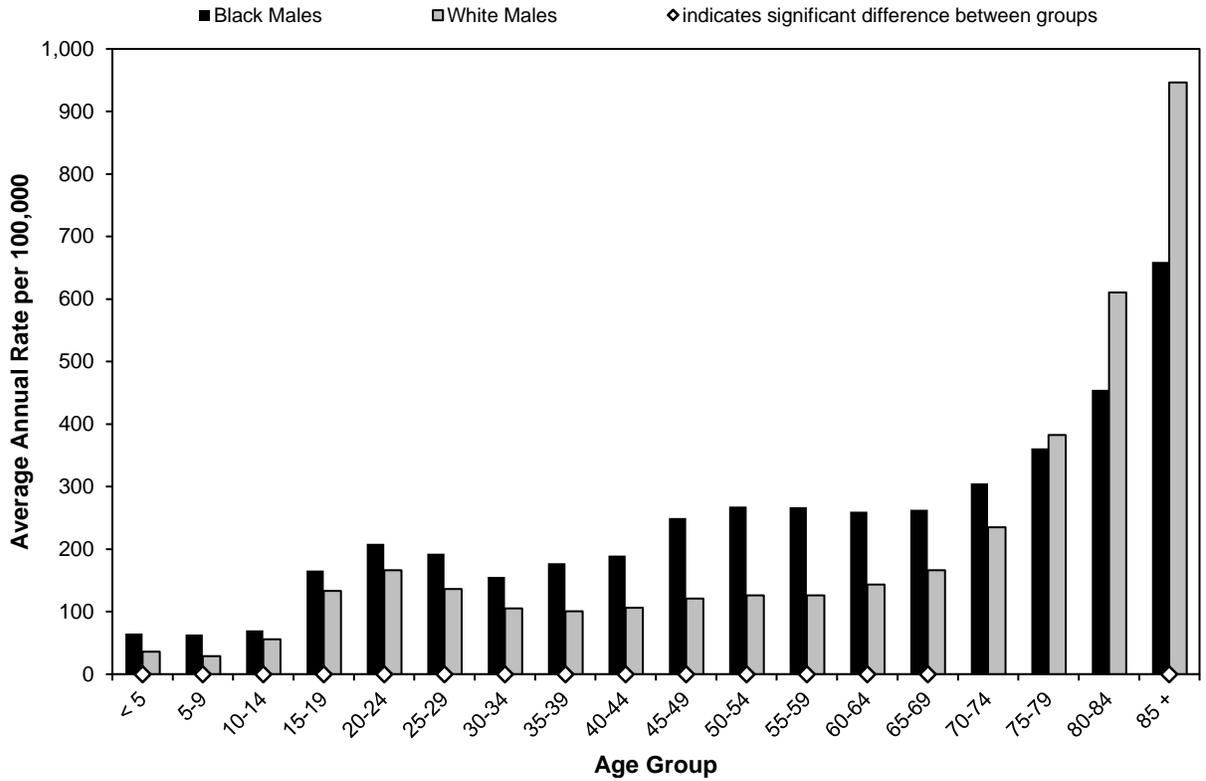
# INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

## AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX OR METROPOLITAN STATUS PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

## AVERAGE ANNUAL HOSPITALIZATION RATES BY SEX AND RACE PENNSYLVANIA RESIDENTS, 2008-2012



# INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

## NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2008-2012

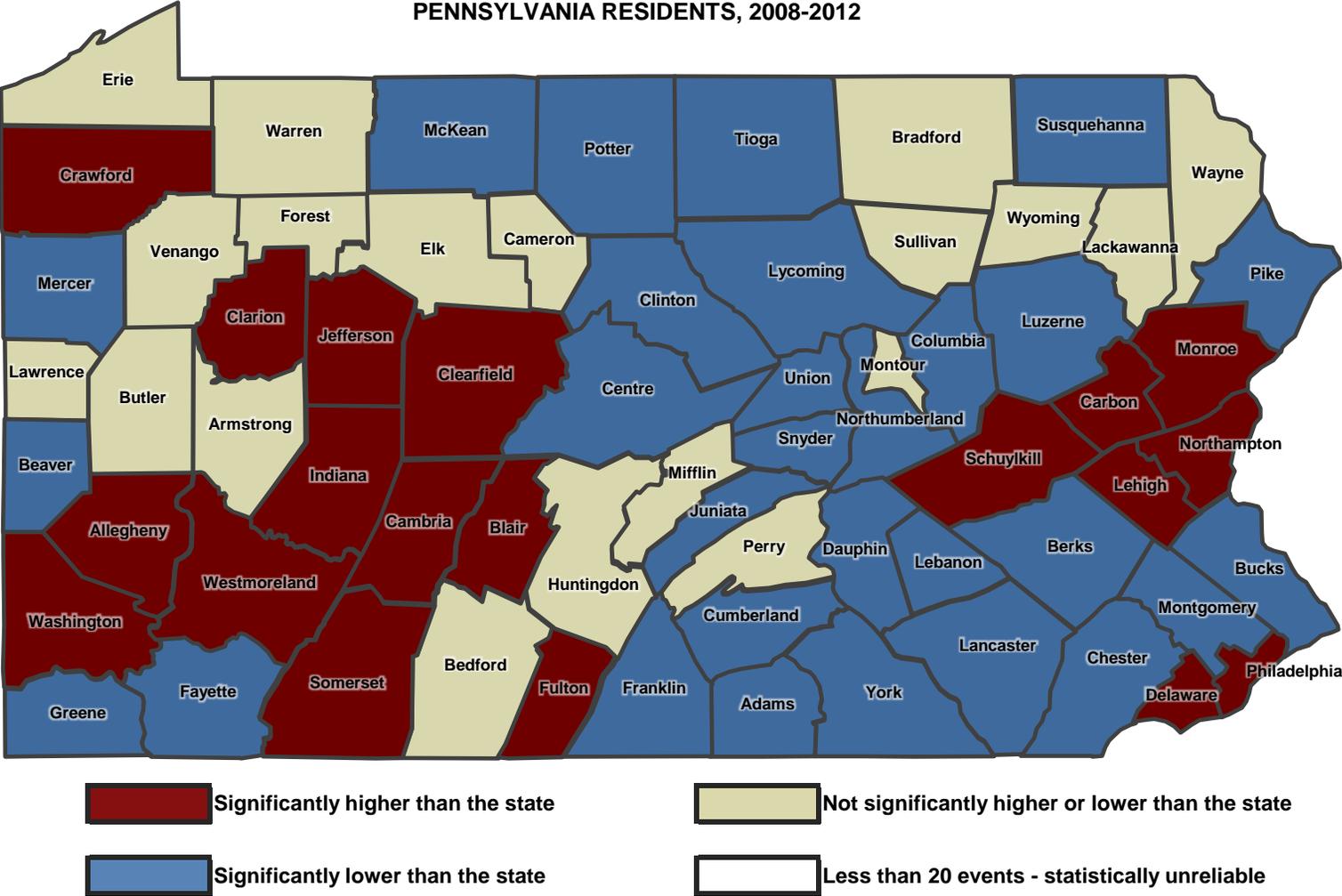
District/County	No.	Rate	CI (95%)		District/County	No.	Rate	CI (95%)	
<b>Northeast</b>	12,262	137.6	135.1-140.0		<b>Southeast</b>	33,933	124.0	122.7-125.3	
Carbon	587	165.4	152.0-178.7	+	Berks	2,490	110.6	106.3-115.0	
Lackawanna	1,492	116.5	110.6-122.4		Bucks	3,694	109.8	106.3-113.4	-
Lehigh	2,646	138.8	133.5-144.1		Chester	2,324	90.3	86.6-93.9	-
Luzerne	2,149	111.9	107.2-116.6		Delaware	5,159	167.8	163.2-172.4	
Monroe	1,239	146.5	138.4-154.7		Lancaster	3,001	106.5	102.7-110.3	-
Northampton	3,189	191.6	184.9-198.2	+	Montgomery	4,410	97.4	94.5-100.3	-
Pike	217	75.7	65.6-85.7		Philadelphia	11,723	149.9	147.2-152.6	+
Susquehanna	211	91.6	79.2-103.9	-	Schuylkill	1,132	132.3	124.6-140.0	+
Wayne	335	118.1	105.5-130.8						
Wyoming	197	133.8	115.1-152.5						
<b>North Central</b>	3,545	92.3	89.2-95.3	-	<b>South Central</b>	8,487	93.0	91.0-95.0	-
Bradford	391	115.4	103.9-126.8		Adams	432	77.6	70.3-84.9	
Centre	588	81.1	74.6-87.7	-	Bedford	334	124.0	110.7-137.3	
Clinton	181	84.7	72.3-97.0		Blair	1,008	137.8	129.3-146.3	
Columbia	391	105.9	95.4-116.4		Cumberland	1,109	83.0	78.1-87.9	-
Lycoming	553	84.3	77.3-91.4	-	Dauphin	1,175	83.9	79.1-88.7	-
Montour	126	125.0	103.2-146.8		Franklin	686	81.0	74.9-87.1	-
Northumberland	591	110.8	101.9-119.7		Fulton	116	151.1	123.6-178.6	
Potter	91	97.7	77.7-117.8	-	Huntingdon	274	110.0	97.0-123.0	
Snyder	180	82.7	70.6-94.8		Juniata	124	91.9	75.7-108.1	
Sullivan	38	97.2	66.3-128.1		Lebanon	651	87.0	80.3-93.6	-
Tioga	183	83.1	71.0-95.1		Mifflin	285	110.9	98.0-123.8	
Union	232	97.8	85.2-110.4	-	Perry	254	110.4	96.8-124.0	
					York	2,039	89.4	85.5-93.3	
<b>Northwest</b>	6,488	121.9	118.9-124.8		<b>Southwest</b>	21,643	132.9	131.2-134.7	+
Cameron	54	170.3	124.9-215.7		Allegheny	10,250	137.7	135.0-140.3	+
Clarion	316	141.8	126.2-157.5		Armstrong	505	129.5	118.2-140.8	
Clearfield	607	133.6	123.0-144.3		Beaver	1,147	110.3	103.9-116.7	
Crawford	683	138.2	127.8-148.5		Butler	1,253	121.2	114.5-127.9	
Elk	257	139.8	122.7-156.9		Cambria	1,316	148.4	140.4-156.4	+
Erie	1,890	123.1	117.5-128.6		Fayette	895	108.5	101.4-115.6	-
Forest	43	96.7	67.8-125.6		Greene	135	64.5	53.6-75.3	-
Jefferson	429	167.4	151.5-183.2		Indiana	715	147.3	136.5-158.1	+
Lawrence	703	119.3	110.5-128.1		Somerset	651	139.6	128.9-150.4	
McKean	225	91.2	79.3-103.2		Washington	1,663	137.6	131.0-144.2	
Mercer	657	88.6	81.8-95.4		Westmoreland	3,113	141.8	136.8-146.7	+
Venango	355	117.2	105.0-129.3						
Warren	269	117.5	103.5-131.5		<b>Pennsylvania</b>	<b>86,358</b>	<b>121.8</b>	<b>121.0-122.6</b>	

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, 2008-2012



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 INJURY HOSPITALIZATIONS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY COUNTY, SEX AND AGE GROUP, PENNSYLVANIA RESIDENTS, 2008-2012

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
<b>Pennsylvania</b>	50,291	35,914	<b>86,205</b>	9,300	58.5	13,278	110.1	11,705	92.2	14,442	113.2	37,633	382.4
<b>Northeast</b>	6,899	5,294	<b>12,193</b>	1,430	73.0	1,872	131.4	1,707	105.6	1,937	117.4	1,420	410.2
Carbon	320	265	585	81	113.1	87	157.2	87	129.9	104	145.7	228	396.7
Lackawanna	788	698	1,486	148	58.9	173	86.8	164	80.2	243	112.1	764	403.2
Lehigh	1,538	1,107	2,645	337	74.1	428	131.1	357	100.8	400	116.7	1,124	427.4
Luzerne	1,090	1,004	2,094	201	55.5	272	94.3	278	86.6	323	98.6	1,075	373.5
Monroe	761	476	1,237	175	77.0	221	151.5	205	112.9	245	138.1	393	363.9
Northampton	1,837	1,351	3,188	363	95.3	515	190.3	456	150.0	468	154.7	1,387	599.3
Pike	122	95	217	35	49.7	45	106.5	53	84.1	26	38.5	58	120.7
Susquehanna	121	90	211	26	52.9	35	106.6	31	75.4	32	63.8	87	232.0
Wayne	203	131	334	41	74.9	59	146.4	44	83.3	65	103.1	126	250.7
Wyoming	119	77	196	23	64.4	37	158.1	32	115.2	31	101.1	74	324.2
<b>Southeast</b>	20,659	13,255	<b>33,914</b>	3,869	57.6	5,649	111.1	4,901	95.0	5,920	122.0	13,594	382.8
Berks	1,502	987	2,489	290	51.8	342	91.2	342	81.3	388	98.2	1,128	377.8
Bucks	2,066	1,627	3,693	388	49.3	524	102.8	459	66.6	609	89.4	1,714	372.8
Chester	1,318	1,006	2,324	205	29.6	364	82.9	304	55.8	372	74.4	1,079	333.1
Delaware	3,057	2,102	5,159	571	76.7	865	160.6	740	132.5	917	166.8	2,066	515.9
Lancaster	1,812	1,187	2,999	474	66.0	476	97.6	350	70.3	461	94.9	1,240	317.9
Montgomery	2,510	1,898	4,408	424	42.2	563	79.8	494	57.7	732	91.2	2,197	363.4
Philadelphia	7,743	3,979	11,722	1,403	68.6	2,346	123.4	2,038	142.2	2,261	175.9	3,675	391.3
Schuylkill	651	469	1,120	114	70.8	169	131.0	174	110.0	180	116.8	495	367.3

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	50,291	35,914	<b>86,205</b>	9,300	58.5	13,278	110.1	11,705	92.2	14,442	113.2	37,633	382.4
<b>North Central</b>	2,035	1,454	<b>3,489</b>	490	57.7	584	77.7	471	72.9	545	81.0	1,455	262.4
Bradford	220	168	388	50	64.4	65	131.3	50	81.1	75	112.4	151	273.7
Centre	334	249	583	80	43.0	112	45.9	71	58.0	66	56.9	259	298.9
Clinton	98	77	175	28	56.1	29	74.7	23	67.2	27	72.9	74	233.1
Columbia	221	165	386	45	54.1	66	94.0	51	85.8	79	122.3	150	276.1
Lycoming	317	224	541	73	52.0	93	82.8	72	63.7	78	64.5	237	244.4
Montour	74	51	125	25	116.3	17	115.7	19	109.9	20	100.0	45	266.7
Northumberland	337	245	582	82	77.4	81	102.9	71	75.7	93	92.9	264	302.2
Potter	57	32	89	16	75.0	15	115.3	13	81.5	16	84.8	31	185.0
Snyder	105	74	179	20	38.5	30	77.8	20	53.3	26	68.6	84	281.0
Sullivan	19	19	38	5	NSR	8	NSR	8	NSR	12	161.4	5	NSR
Tioga	112	66	178	29	54.7	36	98.3	33	88.5	26	59.6	59	155.7
Union	141	84	225	37	72.7	32	63.1	40	83.7	27	68.1	96	291.3
<b>South Central</b>	4,978	3,502	<b>8,480</b>	1,130	53.7	1,200	79.4	1,129	66.0	1,352	79.3	3,676	282.3
Adams	265	167	432	58	44.7	43	48.2	52	49.5	56	53.7	223	280.6
Bedford	203	131	334	50	84.7	45	115.6	55	108.9	61	114.9	123	263.8
Blair	572	436	1,008	93	60.8	136	121.2	147	121.0	174	130.9	458	405.6
Cumberland	635	474	1,109	128	44.6	150	64.2	129	55.1	171	73.1	531	287.0
Dauphin	704	471	1,175	181	53.5	170	68.6	150	54.9	205	73.7	469	254.2
Franklin	380	306	686	97	49.9	70	53.9	72	49.1	86	59.6	361	288.7
Fulton	68	48	116	18	98.3	18	146.3	24	155.9	17	111.3	39	301.5
Huntingdon	169	103	272	20	38.3	65	147.0	54	113.2	49	104.5	86	228.6
Juniata	78	45	123	16	51.6	17	84.0	15	62.8	17	69.9	59	284.6
Lebanon	377	274	651	117	70.0	96	80.1	59	45.6	100	75.4	279	245.7
Mifflin	158	123	281	43	72.7	37	98.6	42	92.3	43	92.1	120	276.3
Perry	162	92	254	68	115.1	38	97.2	36	74.5	45	89.3	67	212.4
York	1,207	832	2,039	241	43.2	315	81.7	294	62.7	328	74.2	861	278.8

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	50,291	35,914	<b>86,205</b>	9,300	58.5	13,278	110.1	11,705	92.2	14,442	113.2	37,633	382.4
<b>Northwest</b>	3,720	2,768	<b>6,488</b>	693	60.7	949	114.5	847	93.9	1,129	116.8	2,870	364.9
Cameron	34	20	54	12	214.9	8	NSR	12	256.5	11	174.3	11	206.0
Clarion	169	147	316	33	66.1	43	106.0	37	103.7	54	137.1	149	443.5
Clearfield	358	249	607	76	85.4	95	131.7	100	112.2	85	98.1	251	345.2
Crawford	375	308	683	65	57.0	101	133.6	89	105.6	109	115.9	319	430.7
Elk	149	108	257	32	87.6	37	161.2	29	84.9	61	171.6	98	322.8
Erie	1,128	762	1,890	180	48.9	357	126.3	265	98.7	343	124.0	745	362.9
Forest	25	18	43	8	NSR	6	NSR	9	NSR	13	179.5	7	NSR
Jefferson	266	163	429	36	66.8	72	191.9	64	146.1	63	131.0	194	469.4
Lawrence	369	334	703	50	45.7	67	91.0	58	67.0	124	127.3	404	474.7
McKean	119	106	225	39	74.2	28	72.7	37	83.2	29	66.1	92	248.4
Mercer	329	328	657	53	36.6	52	53.3	65	58.6	118	97.5	369	345.2
Venango	226	129	355	67	102.3	44	102.2	53	101.6	63	100.6	128	260.1
Warren	173	96	269	42	88.7	39	123.6	29	71.6	56	117.8	103	265.1
<b>Southwest</b>	12,000	9,641	<b>21,641</b>	1,688	53.9	3,024	122.8	2,650	99.4	3,559	122.1	10,722	456.1
Allegheny	5,634	4,616	10,250	751	53.2	1,320	109.3	1,196	101.0	1,746	136.1	5,237	510.3
Armstrong	278	227	505	42	52.7	83	157.5	75	108.5	77	100.0	228	356.4
Beaver	652	495	1,147	84	43.0	154	108.8	148	87.8	210	109.9	551	347.2
Butler	702	551	1,253	112	47.4	203	130.4	144	74.1	193	99.5	601	426.4
Cambria	730	586	1,316	93	57.3	211	169.6	147	106.3	217	138.2	648	478.7
Fayette	510	385	895	63	40.0	143	122.9	106	75.0	146	94.0	437	351.3
Greene	82	53	135	15	34.2	29	77.6	20	49.5	20	47.3	51	170.0
Indiana	424	291	715	59	52.7	146	152.7	104	136.7	103	118.0	303	430.7
Somerset	368	282	650	66	80.3	86	129.6	83	103.7	86	101.5	330	451.0
Washington	924	739	1,663	156	64.0	216	121.9	253	122.8	273	119.4	765	418.2
Westmoreland	1,696	1,416	3,112	247	61.1	433	150.9	374	102.0	488	117.8	1,571	455.9

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: TRAUMATIC BRAIN INJURY

### NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE OR ETHNICITY FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	1,281	158.4	149.7-167.0	Allegheny	8,260	125.7	123.0-128.4	Berks	205	104.3	90.0-118.6
Chester	114	76.1	62.1-90.1	Chester	2,060	88.3	84.5-92.1	Lancaster	57	41.4	30.7-52.2
Dauphin	179	77.6	66.3-89.0	Dauphin	896	79.6	74.4-84.8	Lehigh	171	69.3	58.9-79.6
Delaware	910	173.6	162.3-184.9	Delaware	3,932	159.2	154.3-164.2	Philadelphia	1,003	131	122.8-139.0
Montgomery	311	92.2	82.0-102.5	Montgomery	3,584	90.5	87.6-93.5				
Philadelphia	4,756	141.5	137.4-145.5	Philadelphia	4,896	123.5	120.0-126.9				
Pennsylvania	8,817	130.8	128.1-133.6	Pennsylvania	68,797	110.1	109.2-110.9	Pennsylvania	2,598	101.7	97.8-105.6

### NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2008-2012

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	Black	13.4%	848.0	433	<b>1,281</b>	12.5%	224	84.7	276	157.4	239	159.9	257	183.0	285	315.5
	White	82.1%	4,347	3,913	<b>8,260</b>	80.6%	476	45.5	871	91.5	848	86.3	1,355	121.5	4,710	511.6
Chester	Black	6.3%	72	42	<b>114</b>	4.9%	12	24.2	36	101.2	23	77.4	12	46.6	31	195.5
	White	87.9%	1,141	919	<b>2,060</b>	88.6%	174	29.6	283	75.8	260	54.4	344	75.0	999	332.3
Dauphin	Black	18.3%	131	48	<b>179</b>	15.2%	45	55.0	39	79.4	27	55.8	36	88.4	32	150.6
	White	75.3%	504	392	<b>896</b>	76.3%	117	52.9	96	53.5	105	50.5	159	69.9	419	263.2
Delaware	Black	19.6%	620	290	<b>910</b>	17.6%	181	98.0	256	198.0	180	160.7	166	206.6	127	303.8
	White	73.7%	2,237	1,695	<b>3,932</b>	76.2%	341	69.1	543	147.3	494	122.1	688	155.2	1,866	538.5
Montgomery	Black	8.9%	215	96	<b>311</b>	7.1%	47	45.8	58	77.1	58	72.7	64	104.8	84	238.2
	White	82.7%	1,982	1,600	<b>3,582</b>	81.3%	306	38.7	410	73.7	369	52.9	593	85.2	1,906	348.9
Philadelphia	Black	44.8%	3,362	1,394	<b>4,756</b>	40.6%	715	67.6	972	128.7	998	152.5	1,051	182.4	1,020	277.8
	White	45.0%	2,904	1,991	<b>4,895</b>	41.8%	267	35.8	820	89.7	678	106.8	894	147.2	2,237	427.1
Pennsylvania	Black	11.0%	6,143	2,673	<b>8,816</b>	10.2%	1,475	66.3	1,969	123.9	1,761	127.8	1,817	162.1	1,795	268.9
	White	84.1%	38,548	30,103	<b>68,651</b>	79.7%	6,424	51.3	9,334	96.2	8,487	79.3	11,249	99.9	33,303	370.5

# Appendices

## LEADING CAUSES OF INJURY DEATH

During 2008 to 2012, the leading causes of injury deaths 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 all injury deaths.

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### Overview

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Unintentional falls were the leading cause of injury deaths 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, especially among ages 20 to 64.
- **MVT accidents** lead among whites less than age 20.
- **Homicide by firearm** leads among blacks under age 35.

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### Young Injury Deaths

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- During 2008 to 2012, MVT accidents were the leading cause of injury death among youths under age 20 while it ranked second for ages 20 and older except for ages 50-64.
- Homicide by firearm was the leading cause of injury death among black youths under age 20, whereas the cause ranked ninth among white youths.
- Unintentional poisoning was the leading cause of injury death among ages 20-64.

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### Violent Deaths

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- During 2008 to 2012, 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 92 percent of all violent deaths during the five-year period.
- Suicide by poisoning was the leading cause of violent death among females, whereas the cause ranked fourth among males.

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### Fatal traumatic Brain Injuries

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- From 2008 to 2012, 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 95 percent of all involving traumatic brain injury deaths.
- Suicide by firearm was the leading cause of fatal traumatic brain injury (TBI) death among males, whereas the cause ranked third among females. The leading cause of TBI-related injury deaths among females were unintentional falls, which accounted for 58 percent of all female TBI-related injury deaths during the five-year period.

For a full list of causes included in the rankings, with ICD definitions, see the Technical Notes.

## LEADING CAUSES OF INJURY DEATH: 2008-2012

### 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	Poison (Unint.) <b>9,061</b>	Poison (Unint.) 6,074	Fall (Unint.) 3,399	MVT (Unint.) 766	Poison (Unint.) 2,900	Poison (Unint.) 3,389	Poison (Unint.) 2,214	Fall (Unint.) 5,768
2	Fall (Unint.) <b>6,816</b>	MVT (Unint.) 4,638	Poison (Unint.) 2,987	Firearm (Assault) 417	MVT (Unint.) 1,921	MVT (Unint.) 1,347	Firearm (Self-Inf.) 1,204	MVT (Unint.) 1,374
3	MVT (Unint.) <b>6,586</b>	Firearm (Self-Inf.) 3,555	MVT (Unint.) 1,948	Poison (Unint.) 205	Firearm (Assault) 1,329	Firearm (Self-Inf.) 989	MVT (Unint.) 1,178	Suffocation (Unint.) 1,092
4	Firearm (Self-Inf.) <b>3,982</b>	Fall (Unint.) 3,417	Suffocation (Unint.) 751	Suffocation (Self-Inf.) 182	Firearm (Self-Inf.) 772	Suffocation (Self-Inf.) 605	Fall (Unint.) 703	Firearm (Self-Inf.) 873
5	Firearm (Assault) <b>2,492</b>	Firearm (Assault) 2,159	Poison (Self-Inf.) 600	Suffocation (Unint.) 170	Suffocation (Self-Inf.) 582	Firearm (Assault) 513	Poison (Self-Inf.) 473	Poison (Unint.) 353
6	Suffocation (Self-Inf.) <b>1,928</b>	Suffocation (Self-Inf.) 1,554	Firearm (Self-Inf.) 427	Firearm (Self-Inf.) 144	Poison (Self-Inf.) 209	Poison (Self-Inf.) 483	Suffocation (Self-Inf.) 434	Fire/Burn (Unint.) 256
7	Suffocation (Unint.) <b>1,655</b>	Suffocation (Unint.) 904	Suffocation (Self-Inf.) 374	Drowning (Unint.) 132	Transport (Unint.) 203	Fall (Unint.) 240	Suffocation (Unint.) 221	Poison (Self-Inf.) 168
8	Poison (Self-Inf.) <b>1,357</b>	Poison (Self-Inf.) 757	Firearm (Assault) 333	Fire/Burn (Unint.) 129	Poison (Undet.) 114	Poison (Undet.) 205	Firearm (Assault) 173	Transport (Unint.) 125
9	Fire/Burn (Unint.) <b>708</b>	Transport (Unint.) 413	Fire/Burn (Unint.) 321	Transport (Unint.) 85	Cut/Pierce (Assault) 89	Suffocation (Unint.) 115	Fire/Burn (Unint.) 166	Suffocation (Self-Inf.) 125
10	Transport (Unint.) <b>535</b>	Fire/Burn (Unint.) 387	Poison (Undet.) 226	Fall (Unint.) 28	Drowning (Unint.) 78	Transport (Unint.) 109	Poison (Undet.) 151	Nat/Env. (Unint.) 114

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: 2008-2012

### PENNSYLVANIA RESIDENTS BY GENDER AND AGE GROUP

RANK	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	Male	Female								
1	MVT (Unint.)	MVT (Unint.)	Poison (Unint.)	Poison (Unint.)	Poison (Unint.)	Poison (Unint.)	Poison (Unint.)	Poison (Unint.)	Fall (Unint.)	Fall (Unint.)
	494	272	2,125	775	2,170	1,219	1,430	784	2,662	3,106
2	Firearm (Assault)	Suffocation (Unint.)	MVT (Unint.)	MVT (Unint.)	MVT (Unint.)	MVT (Unint.)	Firearm (Self-Inf.)	MVT (Unint.)	Firearm (Self-Inf.)	MVT (Unint.)
	383	72	1,470	451	1,005	342	1,059	300	809	583
3	Poison (Unint.)	Fire/Burn (Unint.)	Firearm (Assault)	Firearm (Assault)	Firearm (Self-Inf.)	Poison (Self-Inf.)	MVT (Unint.)	Poison (Self-Inf.)	MVT (Unint.)	Suffocation (Unint.)
	156	57	1,202	127	865	219	878	233	791	543
4	Firearm (Self-Inf.)	Suffocation (Self-Inf.)	Firearm (Self-Inf.)	Transport (Unint.)	Suffocation (Self-Inf.)	Firearm (Self-Inf.)	Fall (Unint.)	Fall (Unint.)	Suffocation (Unint.)	Poison (Unint.)
	129	55	693	117	515	124	502	201	549	160
5	Suffocation (Self-Inf.)	Poison (Unint.)	Suffocation (Self-Inf.)	Suffocation (Self-Inf.)	Firearm (Assault)	Firearm (Assault)	Suffocation (Self-Inf.)	Firearm (Self-Inf.)	Poison (Unint.)	Fire/Burn (Unint.)
	127	49	476	106	420	93	346	145	193	128
6	Drowning (Unint.)	Firearm (Assault)	Poison (Self-Inf.)	Firearm (Self-Inf.)	Poison (Self-Inf.)	Poison (Undet.)	Poison (Self-Inf.)	Suffocation (Self-Inf.)	Fire/Burn (Unint.)	Poison (Self-Inf.)
	104	34	141	79	264	92	240	88	128	70
7	Suffocation (Unint.)	Drowning (Unint.)	Transport (Unint.)	Poison (Self-Inf.)	Fall (Unint.)	Suffocation (Self-Inf.)	Suffocation (Unint.)	Suffocation (Unint.)	Poison (Self-Inf.)	Nat/Env. (Unint.)
	98	28	86	68	178	90	139	82	98	65
8	Fire/Burn (Unint.)	Transport (Unint.)	Poison (Undet.)	Poison (Undet.)	Poison (Undet.)	Fall (Unint.)	Firearm (Assault)	Poison (Undet.)	Transport (Unint.)	Firearm (Self-Inf.)
	72	27	68	46	113	62	121	77	91	64
9	Transport (Unint.)	Firearm (Self-Inf.)	Drowning (Unint.)	Fire/Burn (Unint.)	Transport (Unint.)	Fire/Burn (Unint.)	Fire/Burn (Unint.)	Fire/Burn (Unint.)	Suffocation (Self-Inf.)	Suffocation (Self-Inf.)
	58	15	67	33	88	38	102	64	90	35
10	Firearm (Unint.)	Fall (Unint.)	Cut/Pierce (Assault)	Cut/Pierce (Assault)	Suffocation (Unint.)	Suffocation (Unint.)	Transport (Unint.)	Firearm (Assault)	Machinery (Unint.)	Transport (Unint.)
	26	10	58	31	81	34	90	52	50	34

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: 2008-2012

### 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	Poison (Unint.) <b>9,061</b>	Poison (Unint.) 7,678	Firearm (Assault) 1,726	Poison (Unint.) 308	Poison (Unint.) 5,121	Firearm (Assault) 1,598	Fall (Unint.) 3,254	Poison (Unint.) 345
2	Fall (Unint.) <b>6,816</b>	Fall (Unint.) 6,457	Poison (Unint.) 1,075	MVT (Unint.) 233	MVT (Unint.) 4,049	Poison (Unint.) 730	Poison (Unint.) 2,557	MVT (Unint.) 145
3	MVT (Unint.) <b>6,586</b>	MVT (Unint.) 5,804	MVT (Unint.) 549	Firearm (Assault) 231	Firearm (Self-Inf.) 3,336	MVT (Unint.) 404	MVT (Unint.) 1,755	Firearm (Assault) 128
4	Firearm (Self-Inf.) <b>3,982</b>	Firearm (Self-Inf.) 3,745	Fall (Unint.) 280	Suffocation (Self-Inf.) 88	Fall (Unint.) 3,203	Firearm (Self-Inf.) 165	Suffocation (Unint.) 642	Fall (Unint.) 116
5	Firearm (Assault) <b>2,492</b>	Suffocation (Self-Inf.) 1,695	Suffocation (Unint.) 203	Fall (Unint.) 79	Suffocation (Self-Inf.) 1,362	Fall (Unint.) 164	Poison (Self-Inf.) 571	Suffocation (Unint.) 95
6	Suffocation (Self-Inf.) <b>1,928</b>	Suffocation (Unint.) 1,410	Firearm (Self-Inf.) 182	Firearm (Self-Inf.) 55	Suffocation (Unint.) 768	Suffocation (Self-Inf.) 114	Firearm (Self-Inf.) 409	Fire/Burn (Unint.) 65
7	Suffocation (Unint.) <b>1,655</b>	Poison (Self-Inf.) 1,285	Suffocation (Self-Inf.) 145	Suffocation (Unint.) 42	Poison (Self-Inf.) 714	Suffocation (Unint.) 108	Suffocation (Self-Inf.) 333	Cut/Pierce (Assault) 40
8	Poison (Self-Inf.) <b>1,357</b>	Transport (Unint.) 576	Fire/Burn (Unint.) 141	Cut/Pierce (Assault) 34	Transport (Unint.) 366	Fire/Burn (Unint.) 76	Fire/Burn (Unint.) 247	Suffocation (Self-Inf.) 31
9	Fire/Burn (Unint.) <b>708</b>	Fire/Burn (Unint.) 539	Cut/Pierce (Assault) 111	Poison (Self-Inf.) 31	Firearm (Assault) 357	Cut/Pierce (Assault) 71	Transport (Unint.) 210	Poison (Undet.) 18
10	Transport (Unint.) <b>535</b>	Firearm (Assault) 536	Drowning (Unint.) 65	Fire/Burn (Unint.) 27	Fire/Burn (Unint.) 292	Drowning (Unint.) 51	Poison (Undet.) 201	Poison (Self-Inf.) 17

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: 2008-2012

### 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
<b>1</b>	MVT (Unint.) 654	Firearm (Assault) 334	Poison (Unint.) 2,633	Firearm (Assault) 1,021	Poison (Unint.) 2,838	Poison (Unint.) 412	Poison (Unint.) 1,723	Poison (Unint.) 432	Fall (Unint.) 5,559	Fall (Unint.) 164
<b>2</b>	Poison (Unint.) 186	MVT (Unint.) 65	MVT (Unint.) 1,603	MVT (Unint.) 221	MVT (Unint.) 1,167	Firearm (Assault) 302	Firearm (Self-Inf.) 1,165	MVT (Unint.) 85	MVT (Unint.) 1,314	Suffocation (Unint.) 106
<b>3</b>	Suffocation (Self-Inf.) 138	Suffocation (Unint.) 57	Firearm (Self-Inf.) 673	Poison (Unint.) 167	Firearm (Self-Inf.) 933	MVT (Unint.) 127	MVT (Unint.) 1,066	Fall (Unint.) 76	Suffocation (Unint.) 973	Poison (Unint.) 53
<b>4</b>	Firearm (Self-Inf.) 121	Fire/Burn (Unint.) 48	Suffocation (Self-Inf.) 498	Firearm (Self-Inf.) 73	Suffocation (Self-Inf.) 543	Cut/Pierce (Assault) 47	Fall (Unint.) 609	Firearm (Assault) 62	Firearm (Self-Inf.) 853	MVT (Unint.) 51
<b>5</b>	Suffocation (Unint.) 98	Drowning (Unint.) 33	Poison (Self-Inf.) 188	Suffocation (Self-Inf.) 49	Poison (Self-Inf.) 450	Firearm (Self-Inf.) 39	Poison (Self-Inf.) 459	Firearm (Self-Inf.) 30	Poison (Unint.) 298	Fire/Burn (Unint.) 35
<b>6</b>	Drowning (Unint.) 91	Suffocation (Self-Inf.) 32	Transport (Unint.) 187	Cut/Pierce (Assault) 40	Fall (Unint.) 207	Suffocation (Self-Inf.) 38	Suffocation (Self-Inf.) 401	Fire/Burn (Unint.) 26	Fire/Burn (Unint.) 220	Firearm (Self-Inf.) 20
<b>7</b>	Transport (Unint.) 79	Firearm (Self-Inf.) 20	Firearm (Assault) 187	Fire/Burn (Unint.) 18	Poison (Undet.) 183	Fall (Unint.) 24	Suffocation (Unint.) 192	Suffocation (Unint.) 25	Poison (Self-Inf.) 166	Nat/Env. (Unint.) 16
<b>8</b>	Fire/Burn (Unint.) 65	Poison (Unint.) 11	Poison (Undet.) 96	Poison (Undet.) 13	Firearm (Assault) 154	Poison (Self-Inf.) 18	Fire/Burn (Unint.) 137	Cut/Pierce (Assault) 21	Transport (Unint.) 119	Firearm (Assault) 7
<b>9</b>	Firearm (Assault) 43	Poison (Assault) 5	Fall (Unint.) 60	Fall (Unint.) 12	Suffocation (Unint.) 101	Poison (Undet.) 15	Poison (Undet.) 133	Suffocation (Self-Inf.) 20	Suffocation (Self-Inf.) 115	Drowning (Unint.) 6
<b>10</b>	Fall (Unint.) 22	Firearm (Unint.) 5	Drowning (Unint.) 60	Transport (Unint.) 12	Transport (Unint.) 88	Transport (Unint.) 15	Transport (Unint.) 103	Nat/Env. (Unint.) 14	Nat/Env. (Unint.) 97	Suffocation (Self-Inf.) 6

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: 2008-2012

### 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.) 9,061	Firearm (Self-Inf.) 3,982	Poison (Unint.) 6,074	Fall (Unint.) 3,399	Firearm (Self-Inf.) 3,555	Poison (Self-Inf.) 600	Fall (Unint.) 3,742	Firearm (Self-Inf.) 2,996	Fall (Unint.) 1,648
2	Fall (Unint.) 6,816	Firearm (Assault) 2,492	MVT (Unint.) 4,638	Poison (Unint.) 2,987	Firearm (Assault) 2,159	Firearm (Self-Inf.) 427	Firearm (Self-Inf.) 3,326	Fall (Unint.) 2,094	MVT (Unint.) 576
3	MVT (Unint.) 6,586	Suffocation (Self-Inf.) 1,928	Fall (Unint.) 3,417	MVT (Unint.) 1,948	Suffocation (Self-Inf.) 1,554	Suffocation (Self-Inf.) 374	MVT (Unint.) 2,239	MVT (Unint.) 1,663	Firearm (Self-Inf.) 330
4	Suffocation (Unint.) 1,655	Poison (Self-Inf.) 1,357	Suffocation (Unint.) 904	Suffocation (Unint.) 751	Poison (Self-Inf.) 757	Firearm (Assault) 333	Firearm (Assault) 714	Firearm (Assault) 538	Firearm (Assault) 176
5	Fire/Burn (Unint.) 708	Cut/Pierce (Assault) 282	Transport (Unint.) 413	Fire/Burn (Unint.) 321	Cut/Pierce (Assault) 193	Cut/Pierce (Assault) 89	Transport (Unint.) 202	Transport (Unint.) 155	Transport (Unint.) 47
6	Transport (Unint.) 535	Cut/Pierce (Self-Inf.) 149	Drowning (Unint.) 387	Transport (Unint.) 122	Cut/Pierce (Self-Inf.) 119	Suffocation (Assault) 61	Firearm (Unint.) 97	Firearm (Unint.) 85	Struck By (Unint.) 13
7	Drowning (Unint.) 444	Fall (Self-Inf.) 131	Fire/Burn (Unint.) 356	Nat/Env. (Unint.) 106	Fall (Self-Inf.) 101	Cut/Pierce (Self-Inf.) 30	Struck By (Unint.) 82	Struck By (Unint.) 69	Firearm (Unint.) 12
8	Nat/Env. (Unint.) 251	Suffocation (Assault) 91	Machinery (Unint.) 153	Drowning (Unint.) 88	Drowning (Self-Inf.) 57	Fall (Self-Inf.) 30	Machinery (Unint.) 45	Machinery (Unint.) 41	Poison (Unint.) 11
9	Struck By (Unint.) 166	Drowning (Self-Inf.) 83	Struck By (Unint.) 146	Firearm (Unint.) 21	Suffocation (Assault) 30	Poison (Assault) 26	Fall (Self-Inf.) 36	Fall (Self-Inf.) 29	Firearm (Undet.) 8
10	Firearm (Unint.) 165	Poison (Assault) 37	Nat/Env. (Unint.) 145	Struck By (Unint.) 20	Fire/Burn (Self-Inf.) 24	Drowning (Self-Inf.) 18	Poison (Unint.) 34	Poison (Unint.) 23	Fall (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 HOSPITALIZATION

In 2008 to 2012, the leading causes of injury hospitalization among Pennsylvania residents were unintentional falls, motor vehicle traffic injuries, self-inflicted poisoning (self-poisoning) and unintentional poisoning; these four accounted for 63 percent of all injury hospitalizations.

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### Overview

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Unintentional falls were the leading cause of injury hospitalization for males and females of all races, ethnicities and for all ages except ages 20 to 34.

Unintentional falls accounted for 35 percent of all injury hospitalizations among males and 55 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 **45 percent** of all injury hospitalizations.
- **Motor Vehicle Traffic** ranked second for all ages except males 20 to 34, and females 35 to 49.

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### Young Injury Hospitalizations

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- MVT occupant was the second leading cause of injury hospitalization among youths under age 20, specifically among white and male youths. (Unintentional falls ranked first.)
- Self-poisoning was the third leading cause of injury hospitalization among female youths under age 20, whereas it ranked sixth among male youths under 20 years of age.
- 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.

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### Violence-related Hospitalizations

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- The leading violence-related causes of injury hospitalization were self-poisoning and assault by personal weapons (such as fists or a blunt object).
- Other leading violence-related causes of hospitalization included self-inflicted cutting (ranked second among females) and assault by firearm (ranked third among males).

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### Traumatic Brain Injury Hospitalizations

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- The leading causes of traumatic brain injury hospitalization were unintentional falls and MVT occupant injury.
- The third leading cause of traumatic brain injury hospitalization for males was assault by personal weapons.

For a full list of causes included in the rankings, with ICD definitions, see the Technical Notes.

## LEADING CAUSES OF INJURY HOSPITALIZATION: 2008-2012

### 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+
<b>1</b>	Fall (Unint.) 322,220	Fall (Unint.) 121,374	Fall (Unint.) 200,846	Fall (Unint.) 9,238	MVT (Unint.) 16,264	Fall (Unint.) 22,042	Fall (Unint.) 51,413	Fall (Unint.) 241,560
<b>2</b>	MVT (Unint.) 55,671	MVT (Unint.) 33,847	MVT (Unint.) 21,824	MVT (Unint.) 8,072	Poison (Self-Inf.) 12,335	Poison (Self-Inf.) 12,928	MVT (Unint.) 11,901	MVT (Unint.) 11,290
<b>3</b>	Poison (Self-Inf.) 36,207	Poison (Unint.) 16,925	Poison (Self-Inf.) 21,398	Poison (Self-Inf.) 4,107	Fall (Unint.) 10,850	MVT (Unint.) 12,654	Poison (Unint.) 9,204	Poison (Unint.) 6,905
<b>4</b>	Poison (Unint.) 32,463	Poison (Self-Inf.) 14,809	Poison (Unint.) 15,538	Transport (Unint.) 3,430	Poison (Unint.) 6,414	Poison (Unint.) 8,804	Poison (Self-Inf.) 7,060	Suffocation (Unint.) 5,481
<b>5</b>	Nat./Env. (Unint.) 15,497	Struck By (Unint.) 9,056	Nat./Env. (Unint.) 8,062	Struck By (Unint.) 3,194	Struck By (Assault) 3,757	Poison (Undet.) 3,745	Nat/Env (Unint.) 4,117	Nat/Env (Unint.) 5,167
<b>6</b>	Struck By (Unint.) 14,080	Transport (Unint.) 9,044	Overexert. (Unint.) 5,223	Poison (Unint.) 2,638	Firearm (Assault) 2,942	Nat/Env (Unint.) 3,083	Poison (Undet.) 3,224	Struck By (Unint.) 4,679
<b>7</b>	Transport (Unint.) 12,822	Nat./Env. (Unint.) 7,435	Struck By (Unint.) 5,024	Fire/Burn (Unint.) 1,859	Transport (Unint.) 2,884	Struck By (Assault) 2,804	Transport (Unint.) 2,592	Overexert (Unint.) 4,097
<b>8</b>	Poison (Undet.) 10,776	Struck By (Assault) 7,224	Poison (Undet.) 4,530	Nat/Env (Unint.) 1,841	Poison (Undet.) 2,875	Transport (Unint.) 2,740	Struck By (Unint.) 2,579	Transport (Unint.) 2,061
<b>9</b>	Overexert. (Unint.) 9,634	Poison (Undet.) 6,246	Suffocation (Unint.) 3,962	Struck By (Assault) 1,147	Cut/Pierce (Self-Inf.) 2,449	Struck By (Unint.) 2,233	Overexert (Unint.) 2,282	Fire/Burn (Unint.) 1,914
<b>10</b>	Struck By (Assault) 8,803	Fire/Burn (Unint.) 4,974	Transport (Unint.) 3,778	Firearm (Assault) 1,100	Struck By (Unint.) 2,180	Overexert. (Unint.) 1,860	Fire/Burn (Unint.) 2,000	Poison (Self-Inf.) 1,701

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: 2008-2012

### 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
<b>1</b>	Fall (Unint.) 5,997	Fall (Unint.) 3,241	MVT (Unint.) 10,611	Poison (Self-Inf.) 7,158	Fall (Unint.) 12,799	Fall (Unint.) 9,243	Fall (Unint.) 25,307	Fall (Unint.) 26,106	Fall (Unint.) 76,391	Fall (Unint.) 165,169
<b>2</b>	MVT (Unint.) 5,063	MVT (Unint.) 3,009	Fall (Unint.) 6,494	MVT (Unint.) 5,653	MVT (Unint.) 8,265	Poison (Self-Inf.) 7,527	MVT (Unint.) 7,319	MVT (Unint.) 4,582	MVT (Unint.) 5,379	MVT (Unint.) 5,911
<b>3</b>	Transport (Unint.) 2,595	Poison (Self-Inf.) 2,777	Poison (Self-Inf.) 5,177	Fall (Unint.) 4,356	Poison (Self-Inf.) 5,401	MVT (Unint.) 4,389	Poison (Unint.) 5,022	Poison (Unint.) 4,182	Poison (Unint.) 2,807	Poison (Unint.) 4,098
<b>4</b>	Struck By (Unint.) 2,487	Poison (Unint.) 1,125	Poison (Unint.) 3,714	Poison (Unint.) 2,700	Poison (Unint.) 4,691	Poison (Unint.) 4,113	Poison (Self-Inf.) 2,995	Poison (Self-Inf.) 4,065	Suffocation (Unint.) 2,682	Nat/Env (Unint.) 3,071
<b>5</b>	Poison (Unint.) 1,513	Nat/Env (Unint.) 844	Struck By (Assault) 3,086	Poison (Undet.) 1,173	Struck By (Assault) 2,309	Poison (Undet.) 1,601	Nat/Env (Unint.) 2,050	Nat/Env (Unint.) 2,067	Nat/Env (Unint.) 2,096	Overexert. (Unint.) 2,835
<b>6</b>	Poison (Self-Inf.) 1,330	Transport (Unint.) 835	Firearm (Assault) 2,753	Cut/Pierce (Self-Inf.) 1,144	Poison (Undet.) 2,144	Nat/Env (Unint.) 1,483	Poison (Undet.) 1,933	Poison (Undet.) 1,291	Struck By (Unint.) 1,872	Struck By (Unint.) 2,807
<b>7</b>	Fire/Burn (Unint.) 1,164	Struck By (Unint.) 707	Transport (Unint.) 2,235	Nat/Env (Unint.) 901	Transport (Unint.) 1,995	Overexert. (Unint.) 750	Struck By (Unint.) 1,778	Overexert. (Unint.) 1,126	Overexert. (Unint.) 1,262	Suffocation (Unint.) 2,799
<b>8</b>	Firearm (Assault) 1,031	Fire/Burn (Unint.) 695	Struck By (Unint.) 1,752	Struck By (Assault) 671	Struck By (Unint.) 1,755	Transport (Unint.) 745	Transport (Unint.) 1,672	Transport (Unint.) 920	Transport (Unint.) 1,189	Poison (Self-Inf.) 1,073
<b>9</b>	Nat/Env (Unint.) 997	Cut/Pierce (Self-Inf.) 637	Poison (Undet.) 1,702	Transport (Unint.) 649	Nat/Env (Unint.) 1,600	Cut/Pierce (Self-Inf.) 670	Struck By (Assault) 1,282	Struck By (Unint.) 801	Fire/Burn (Unint.) 948	Fire/Burn (Unint.) 966
<b>10</b>	Struck By (Assault) 963	Cut/Pierce (Unint.) 277	Cut/Pierce (Assault) 1,317	Overexert. (Unint.) 502	Cut/Pierce (Unint.) 1,286	Fire/Burn (Unint.) 600	Fire/Burn (Unint.) 1,261	Suffocation (Unint.) 783	Cut/Pierce (Unint.) 685	Transport (Unint.) 872

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: 2008-2012

### 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.)	Fall (Unint.)	Fall (Unint.)	Fall (Unint.)	Fall (Unint.)	Fall (Unint.)	Fall (Unint.)	Fall (Unint.)
	322,220	293,734	23,072	5,414	107,931	10,755	185,803	12,317
2	MVT (Unint.)	MVT (Unint.)	Poison (Unint.)	MVT (Unint.)	MVT (Unint.)	MVT (Unint.)	MVT (Unint.)	Poison (Unint.)
	55,671	46,197	7,369	2,297	27,818	4,527	18,379	3,090
3	Poison (Self-Inf.)	Poison (Self-Inf.)	MVT (Unint.)	Poison (Self-Inf.)	Poison (Self-Inf.)	Poison (Unint.)	Poison (Self-Inf.)	MVT (Unint.)
	36,207	30,254	7,177	1,794	12,254	4,279	18,000	2,650
4	Poison (Unint.)	Poison (Unint.)	Poison (Self-Inf.)	Poison (Unint.)	Poison (Unint.)	Firearm (Assault)	Poison (Unint.)	Poison (Self-Inf.)
	32,463	23,889	4,159	1,205	11,986	3,501	11,903	2,334
5	Nat./Env. (Unint.)	Nat/Env. (Unint.)	Firearm (Assault)	Struck By (Assault)	Transport (Unint.)	Struck By (Assault)	Nat/Env. (Unint.)	Poison (Undet.)
	15,497	12,867	3,719	639	8,168	2,710	6,868	1,015
6	Struck By (Unint.)	Struck By (Unint.)	Struck By (Assault)	Struck By (Unint.)	Struck By (Unint.)	Poison (Undet.)	Overexert. (Unint.)	Nat/Env. (Unint.)
	14,080	12,003	3,356	445	7,577	2,076	4,710	1,003
7	Transport (Unint.)	Transport (Unint.)	Poison (Undet.)	Nat/Env. (Unint.)	Nat/Env. (Unint.)	Poison (Self-Inf.)	Struck By (Unint.)	Fire/Burn (Unint.)
	12,822	11,699	3,091	445	5,999	1,825	4,426	722
8	Poison (Undet.)	Overexert. (Unint.)	Nat/Env. (Unint.)	Poison (Undet.)	Struck By (Assault)	Cut/Pierce (Assault)	Transport (Unint.)	Struck By (Assault)
	10,776	8,448	2,185	414	3,961	1,226	3,531	646
9	Overexert. (Unint.)	Poison (Undet.)	Struck By (Unint.)	Suffocation (Unint.)	Poison (Undet.)	Nat/Env. (Unint.)	Poison (Undet.)	Struck By (Unint.)
	9,634	7,271	1,632	409	3,892	1,182	3,379	486
10	Struck By (Assault)	Suffocation (Unint.)	Fire/Burn (Unint.)	Fire/Burn (Unint.)	Fire/Burn (Unint.)	Struck By (Unint.)	Suffocation (Unint.)	Suffocation (Unint.)
	8,803	6,750	1,595	407	3,845	1,146	3,300	474

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: 2008-2012

### 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
<b>1</b>	Fall (Unint.) 6,204	Fall (Unint.) 1,585	MVT (Unint.) 11,728	MVT (Unint.) 2,323	Fall (Unint.) 16,568	Fall (Unint.) 3,453	Fall (Unint.) 42,207	Fall (Unint.) 5,998	Fall (Unint.) 221,104	Fall (Unint.) 10,194
<b>2</b>	MVT (Unint.) 5,467	MVT (Unint.) 1,396	Poison (Self-Inf.) 9,582	Firearm (Assault) 2,195	Poison (Self-Inf.) 10,307	Poison (Unint.) 2,512	MVT (Unint.) 9,549	Poison (Unint.) 2,653	MVT (Unint.) 9,885	Poison (Unint.) 881
<b>3</b>	Poison (Self-Int.) 2,921	Firearm (Assault) 900	Fall (Unint.) 7,651	Fall (Unint.) 1,842	MVT (Unint.) 9,568	MVT (Unint.) 1,601	Poison (Unint.) 6,011	Poison (Undet.) 1,276	Poison (Unint.) 5,674	MVT (Unint.) 597
<b>4</b>	Transport (Unint.) 2,808	Struck By (Unint.) 571	Poison (Unint.) 4,985	Poison (Self-Inf.) 1,399	Poison (Unint.) 5,585	Poison (Self-Inf.) 1,477	Poison (Self-Inf.) 5,910	MVT (Unint.) 1,260	Suffocation (Unint.) 4,661	Nat/Env. (Unint.) 578
<b>5</b>	Struck By (Unint.) 2,250	Poison (Unint.) 536	Transport (Unint.) 2,411	Struck By (Assault) 1,188	Nat/Env. (Unint.) 2,441	Poison (Undet.) 1,213	Nat/Env. (Unint.) 3,345	Poison (Self-Inf.) 686	Nat/Env. (Unint.) 4,375	Suffocation (Unint.) 429
<b>6</b>	Poison (Unint.) 1,634	Poison (Self-Inf.) 533	Poison (Undet.) 2,257	Poison (Unint.) 787	Transport (Unint.) 2,329	Struck By (Assault) 1,057	Transport (Unint.) 2,260	Struck By (Assault) 577	Struck By (Unint.) 4,306	Fire/Burn (Unint.) 227
<b>7</b>	Nat/Env. (Unint.) 1,223	Fire/Burn (Unint.) 486	Cut/Pierce (Self-Inf.) 2,034	Cut/Pierce (Assault) 670	Poison (Undet.) 2,240	Firearm (Assault) 490	Struck By (Unint.) 2,124	Nat/Env. (Unint.) 561	Overexert. (Unint.) 3,807	Struck By (Unint.) 185
<b>8</b>	Fire/Burn (Unint.) 916	Struck By (Assault) 467	Struck By (Assault) 1,943	Poison (Undet.) 347	Struck By (Unint.) 1,749	Nat/Env. (Unint.) 427	Overexert. (Unint.) 1,930	Fire/Burn (Unint.) 376	Transport (Unint.) 1,891	Poison (Undet.) 168
<b>9</b>	Cut/Pierce (Self-Inf.) 833	Nat/Env. (Unint.) 368	Struck By (Unint.) 1,574	Firearm (Unint.) 339	Overexert. (Unint.) 1,452	Cut/Pierce (Assault) 409	Poison (Undet.) 1,766	Struck By (Unint.) 279	Fire/Burn (Unint.) 1,547	Overexert. (Unint.) 166
<b>10</b>	Cut/Pierce (Unint.) 545	Transport (Unint.) 251	Nat/Env. (Unint.) 1,483	Struck By (Unint.) 325	Struck By (Assault) 1,383	Fire/Burn (Unint.) 304	Fire/Burn (Unint.) 1,432	Suffocation (Unint.) 250	Poison (Self-Inf.) 1,534	Struck By (Assault) 67

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: 2008-2012

### PENNSYLVANIA RESIDENTS BY INJURY INTENT, BRAIN INJURY, AND GENDER

RANK	INTENT		UNINT.		VIOLENCE		Total	TBI	
	Unint.	Violence	Males	Females	Males	Females		Males	Females
<b>1</b>	Fall (Unint.) 322,220	Poison (Self-Inf.) 36,207	Fall (Unint.) 121,374	Fall (Unint.) 200,846	Poison (Self-Inf.) 14,809	Poison (Self-Inf.) 21,398	Fall (Unint.) 47,950	Fall (Unint.) 23,669	Fall (Unint.) 24,281
<b>2</b>	MVT (Unint.) 55,671	Struck By (Assault) 8,803	MVT (Unint.) 33,847	MVT (Unint.) 21,824	Struck By (Assault) 7,224	Cut/Pierce (Self-Inf.) 2,724	MVT (Unint.) 21,822	MVT (Unint.) 13,998	MVT (Unint.) 7,824
<b>3</b>	Poison (Unint.) 32,463	Cut/Pierce (Self-Inf.) 5,506	Poison (Unint.) 16,925	Poison (Unint.) 15,538	Firearm (Assault) 4,264	Struck By (Assault) 1,579	Transport (Unint.) 3,774	Struck By (Assault) 3,196	Transport (Unint.) 1,015
<b>4</b>	Nat/Env. (Unint.) 15,497	Firearm (Assault) 4,580	Struck By (Unint.) 9,056	Nat/Env. (Unint.) 8,062	Cut/Pierce (Self-Inf.) 2,782	Cut/Pierce (Assault) 387	Struck By (Assault) 3,643	Transport (Unint.) 2,759	Struck By (Unint.) 729
<b>5</b>	Struck By (Unint.) 14,080	Cut/Pierce (Assault) 2,773	Transport (Unint.) 9,044	Overexert. (Unint.) 5,223	Cut/Pierce (Assault) 2,386	Firearm (Assault) 316	Struck By (Unint.) 2,398	Struck By (Unint.) 1,669	Struck By (Assault) 447
<b>6</b>	Transport (Unint.) 12,822	Suffocation (Self-Inf.) 687	Nat/Env. (Unint.) 7,435	Struck By (Unint.) 5,024	Suffocation (Self-Inf.) 486	Suffocation (Self-Inf.) 201	Firearm (Assault) 409	Firearm (Assault) 359	Nat/Env. (Unint.) 75
<b>7</b>	Overexert. (Unint.) 9,634	Firearm (Self-Inf.) 429	Fire/Burn (Unint.) 4,974	Suffocation (Unint.) 3,962	Firearm (Self-Inf.) 369	Fall (Self-Inf.) 118	Firearm (Self-Inf.) 234	Firearm (Self-Inf.) 213	Poison (Unint.) 55
<b>8</b>	Fire/Burn (Unint.) 8,101	Fall (Self-Inf.) 345	Cut/Pierce (Unint.) 4,613	Transport (Unint.) 3,778	Fall (Self-Inf.) 227	Fire/Burn (Self-Inf.) 104	Machinery (Unint.) 206	Machinery (Unint.) 192	Firearm (Assault) 50
<b>9</b>	Suffocation (Unint.) 8,043	Fire/Burn (Self-Inf.) 203	Overexert. (Unint.) 4,411	Fire/Burn (Unint.) 3,127	Fire/Burn (Self-Inf.) 99	Firearm (Self-Inf.) 60	Nat/Env. (Unint.) 193	Cut/Pierce (Assault) 144	Poison (Self-Inf.) 39
<b>10</b>	Cut/Pierce (Unint.) 6,325	MVT (Self-Inf.) 101	Suffocation (Unint.) 4,081	Cut/Pierce (Unint.) 1,712	MVT (Self-Inf.) 62	MVT (Self-Inf.) 39	Cut/Pierce (Assault) 166	Nat/Env. (Unint.) 118	Fall (Self-Inf.) 29

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 2012, among Pennsylvania residents, there were 134,368 hospitalizations due to injury. Total treatment charges for these injuries exceeded \$7.78 billion.

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### 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 30 percent from 2008 to 2012.

### HIGHLIGHTS

- *Total treatment charges for unintentional falls exceeded **\$3.36 billion** in 2012.*
- *The median charges were highest for **firearm**.*
- ***Insurance coverage** differed among MVT accidents, falls and firearm-related injuries.*

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### Total Injury Cost Burden

- In 2012, unintentional falls hospitalizations accounted for over \$3.36 billion in total charges, or 43 percent of the total charges for all injury hospitalizations.
- Unintentional MVT injury hospitalizations accounted for \$1.09 billion in total charges.
- Other large cost burdens included poisoning hospitalizations (with over \$542 million in total charges), suffocation hospitalization (with \$248 million in total charges) and firearm hospitalizations (with about \$232 million in total charges).

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### Highest Median Charges

- Hospitalizations for assault by firearms had the highest median treatment charges of any major injury. At \$80,057, median charges for assault firearms were about three times the median charges for injury hospitalizations overall (\$31,749).
- Among hospitalizations due to MVT accidents, pedestrians, pedal cyclists and motorcyclists had higher median treatment charges than all motor vehicle traffic accidents as a whole.
- Hospitalizations involving traumatic brain injury (TBI) generally had higher median treatment charges than other hospitalizations by the same external cause.

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### Charges by Primary Payor

- Medicare was the primary payor on all unintentional falls hospitalizations. In 2012, Medicare was billed over \$2.45 billion dollars to treat falls (73 percent of the total).
- Medicaid was typically the primary payor on poisoning hospitalizations. In 2012, Medicaid was billed over \$195 million to treat poisonings (36 percent of the total).
- Commercial providers were the primary payor on most MVT hospitalizations. In 2012, these plans were billed over \$842 million to treat MVT injuries (77 percent of the total).

## SUMMARY TABLE: HOSPITALIZATION CHARGES

### TOTAL NUMBER, CHARGES, MEDIAN CHARGES AND PRIMARY PAYOR BY MECHANISM AND BRAIN INJURY, PENNSYLVANIA RESIDENTS, 2012

Injury Mechanism	All Injury Hospitalizations			Primary Payor			Injuries with TBI			Injuries without TBI		
	No.	Sum	Median	Medicare	Medicaid	Commercial	No.	Sum	Median	No.	Sum	Median
<b>Fall</b>	63,484	\$3,360,425,144	\$33,563	73%	8%	16%	9,872	\$647,981,761	\$36,412	53,612	\$2,712,443,383	\$33,046
→ On same level	17,763	\$885,978,884	\$34,296	76%	5%	16%	1,845	\$100,615,140	\$32,017	15,918	\$785,363,744	\$34,514
→ One level to another	15,383	\$975,895,567	\$37,322	59%	13%	24%	3,316	\$269,589,069	\$41,917	12,067	\$706,306,498	\$36,014
→ Unspecified	30,338	\$1,498,550,693	\$31,352	78%	6%	12%	4,711	\$277,777,552	\$34,307	25,627	\$1,220,773,141	\$30,836
<b>Poisoning</b>	16,282	\$542,174,205	\$17,535	26%	36%	28%	54	\$2,462,904	\$27,978	16,228	\$539,711,301	\$17,498
→ Drug	14,868	\$494,687,650	\$17,439	27%	36%	28%	42	\$2,147,899	\$29,038	14,826	\$492,539,751	\$17,401
→ Non-Drug	1,414	\$47,486,555	\$18,558	24%	35%	29%	12	\$315,006	\$26,212	1,402	\$47,171,549	\$18,528
<b>Motor Vehicle Traffic</b>	11,184	\$1,093,992,904	\$47,040	6%	11%	77%	4,174	\$463,688,893	\$48,312	7,010	\$630,304,011	\$45,826
→ MVT Occupant	7,375	\$669,886,790	\$43,869	4%	6%	84%	2,788	\$276,229,913	\$44,457	4,587	\$393,656,877	\$43,448
→ MVT Motorcyclist	1,612	\$193,703,764	\$56,416	8%	15%	67%	588	\$81,901,928	\$60,927	1,024	\$111,801,836	\$53,744
→ MVT Pedal Cyclist	284	\$26,863,160	\$52,843	7%	33%	54%	129	\$13,114,623	\$52,807	155	\$13,748,537	\$53,203
→ MVT Pedestrian	1,282	\$146,834,379	\$59,229	10%	26%	57%	523	\$74,969,873	\$64,658	759	\$71,864,506	\$55,850
→ MVT Other	65	\$6,205,586	\$36,522	20%	20%	55%	18	\$2,743,765	\$55,963	47	\$3,461,821	\$33,654
→ MVT Unspecified	566	\$50,499,225	\$45,158	15%	12%	67%	128	\$14,728,791	\$59,383	438	\$35,770,434	\$38,559
All Pedal Cyclist	744	\$41,736,246	\$33,519	12%	27%	52%	221	\$13,476,500	\$36,035	523	\$28,259,745	\$32,777
All Pedestrian	111	\$9,966,169	\$42,482	18%	22%	54%	28	\$1,795,638	\$54,869	83	\$8,170,531	\$40,785
Other Transport	58	\$4,203,505	\$33,662	22%	8%	65%	5	\$756,944	\$33,752	53	\$3,446,561	\$33,572
Firearm	1,473	\$231,960,795	\$80,057	7%	58%	20%	165	\$30,487,745	\$83,110	1,308	\$201,473,050	\$79,352
Drowning	61	\$6,597,240	\$47,247	8%	37%	45%	5	\$711,745	\$69,933	56	\$5,885,495	\$45,373
Suffocation	1,953	\$248,699,038	\$56,123	67%	12%	16%	20	\$4,864,308	\$69,117	1,933	\$243,834,730	\$56,068
Fire/Flames	764	\$96,863,547	\$42,476	30%	29%	32%	3	\$109,263	\$44,665	761	\$96,754,284	\$42,440
Hot Object/Scald	959	\$71,744,263	\$31,382	26%	32%	35%	3	\$150,926	\$29,472	956	\$71,593,337	\$31,410
Cut/Pierce	2,948	\$109,027,221	\$20,631	17%	34%	35%	37	\$2,347,782	\$37,774	2,911	\$106,679,439	\$20,456
Struck By/Against	4,581	\$221,074,007	\$28,988	26%	28%	35%	1,101	\$63,783,905	\$32,550	3,480	\$157,290,103	\$28,172
Machinery	522	\$29,110,724	\$34,327	19%	8%	65%	37	\$1,713,265	\$27,371	485	\$27,397,459	\$34,993
Overexertion	1,590	\$57,948,861	\$25,266	46%	12%	37%	6	\$297,464	\$25,945	1,584	\$57,651,397	\$25,266
Nat./Env. Causes	3,216	\$114,164,654	\$17,428	37%	20%	35%	43	\$1,886,027	\$26,639	3,173	\$112,278,627	\$17,236
→ Bites and Stings	2,126	\$50,140,928	\$14,741	28%	22%	42%	3	\$147,582	\$28,108	2,123	\$49,993,346	\$14,735
Other Spec./NEC	12,063	\$786,507,486	\$33,607	47%	20%	27%	271	\$19,832,123	\$42,420	11,792	\$766,675,363	\$33,451
Unspecified	10,710	\$655,420,347	\$33,733	58%	15%	22%	550	\$51,445,210	\$46,969	10,160	\$603,975,137	\$33,277
<b>Total: All Mechanisms</b>	<b>134,368</b>	<b>\$7,787,672,193</b>	<b>\$31,749</b>	<b>51%</b>	<b>16%</b>	<b>27%</b>	<b>17,026</b>	<b>\$1,337,774,924</b>	<b>\$39,616</b>	<b>117,342</b>	<b>\$6,449,897,270</b>	<b>\$30,704</b>

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, 2012

Injury Mechanism	Unintentional Injury			Self-Inflicted Injury			Assault Injury			Undetermined Injury		
	No.	Sum	Median	No.	Sum	Median	No.	Sum	Median	No.	Sum	Median
<b>Fall</b>	63,386	\$3,343,168,236	\$33,528	81	\$13,762,687	\$72,155	16	\$1,153,819	\$44,952	43	\$5,041,803	\$47,879
→ On same level	17,780	\$887,118,975	\$34,317	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ One level to another	15,252	\$956,404,214	\$37,175	81	\$13,762,687	\$72,155	16	\$1,153,819	\$44,952	43	\$5,041,803	\$47,879
→ Unspecified	30,354	\$1,499,645,047	\$31,352	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
<b>Poisoning</b>	6,949	\$267,602,314	\$20,465	7,026	\$178,560,249	\$14,049	23	\$535,192	\$22,687	2,300	\$95,895,868	\$22,186
→ Drug	6,143	\$239,540,862	\$20,577	6,706	\$168,725,735	\$13,934	17	\$343,592	\$17,384	2,018	\$86,496,879	\$22,546
→ Non-Drug	806	\$28,061,452	\$19,093	320	\$9,834,514	\$16,285	6	\$191,599	\$26,616	282	\$9,398,990	\$19,593
<b>Motor Vehicle Traffic</b>	11,161	\$1,092,764,008	\$47,071	25	\$1,363,554	\$37,606	2	\$88,652	\$44,326	0	\$0	\$0
→ MVT Occupant	7,351	\$668,646,122	\$43,896	25	\$1,363,554	\$37,606	2	\$88,652	\$44,326	0	\$0	\$0
→ MVT Motorcyclist	1,613	\$193,715,536	\$56,163	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ MVT Pedal Cyclist	284	\$26,863,160	\$52,843	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ MVT Pedestrian	1,282	\$146,834,379	\$59,229	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ MVT Other	65	\$6,205,586	\$36,522	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
→ MVT Unspecified	566	\$50,499,225	\$45,158	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
All Pedal Cyclist	744	\$41,736,246	\$33,519	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
All Pedestrian	111	\$9,966,169	\$42,482	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
Other Transport	58	\$4,203,505	\$33,662	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
Firearm	276	\$38,149,897	\$52,579	114	\$14,642,403	\$61,819	984	\$163,544,449	\$96,008	77	\$10,564,459	\$51,384
Drowning	56	\$6,315,010	\$48,488	4	\$227,170	\$13,251	1	\$55,060	\$55,060	0	\$0	\$0
Suffocation	1,781	\$236,550,344	\$60,350	164	\$10,989,503	\$27,444	15	\$1,672,347	\$30,025	1	\$79,345	\$79,345
Fire/Flames	683	\$86,960,464	\$44,665	47	\$6,612,906	\$22,260	8	\$1,134,405	\$59,202	26	\$2,155,771	\$16,872
Hot Object/Scald	944	\$68,673,814	\$31,344	2	\$61,434	\$30,717	8	\$447,778	\$29,608	5	\$2,561,236	\$48,672
Cut/Pierce	1,244	\$40,402,090	\$21,824	1,110	\$27,312,342	\$12,273	568	\$40,433,594	\$42,765	26	\$891,323	\$22,928
Struck By/Against	2,838	\$124,088,729	\$25,621	0	\$0	\$0	1,701	\$95,178,167	\$36,241	0	\$0	\$0
Machinery	522	\$29,110,724	\$34,327	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
Overexertion	1,592	\$58,055,708	\$25,280	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
Nat/Env. Causes	3,157	\$110,726,136	\$17,236	3	\$152,587	\$23,672	0	\$0	\$0	60	\$3,489,990	\$33,489
→ Bites and Stings	2,127	\$50,171,909	\$14,742	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
Other Spec./NEC	10,190	\$668,416,072	\$34,014	381	\$18,967,778	\$20,039	974	\$68,819,630	\$36,758	449	\$26,853,884	\$31,585
Unspecified	9,424	\$553,203,496	\$32,997	61	\$1,613,811	\$11,675	533	\$39,797,340	\$46,435	694	\$60,926,312	\$38,602
<b>Total: All Mechanisms</b>	<b>118,682</b>	<b>\$7,014,717,423</b>	<b>\$33,071</b>	<b>9,018</b>	<b>\$274,266,426</b>	<b>\$14,495</b>	<b>4,833</b>	<b>\$412,860,433</b>	<b>\$44,869</b>	<b>3,681</b>	<b>\$208,459,991</b>	<b>\$26,551</b>

NOTES: Amounts indicate treatment charges from hospital billing data, not amounts actually paid. Charges are skewed right. See Technical Notes.

## SUMMARY TABLE: HOSPITALIZATION CHARGES

### TOTAL NUMBER, CHARGES, MEDIAN CHARGES AND PRIMARY PAYOR BY AGE GROUP AND BRAIN INJURY, PENNSYLVANIA RESIDENTS, 2012

Age Group	Leading Injury Hospitalization	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
0-4	Unint. Falls	435	\$12,498,179	\$19,797	0%	60%	35%	137	\$4,570,219	\$17,334	298	\$7,927,960	\$20,590
5-9	Unint. Falls	485	\$13,661,941	\$22,372	0%	41%	54%	82	\$2,596,475	\$24,078	403	\$11,065,466	\$22,228
10-14	Unint. Falls	357	\$12,635,129	\$23,437	0%	38%	58%	62	\$1,548,834	\$21,058	295	\$11,086,295	\$24,620
15-19	MVT Occupant	649	\$61,893,766	\$45,033	0%	9%	87%	314	\$35,164,258	\$44,626	335	\$26,729,508	\$45,081
20-24	MVT Occupant	987	\$101,049,517	\$45,870	0%	9%	84%	457	\$50,755,734	\$46,274	530	\$50,293,783	\$44,564
25-29	Self-Poisoning	1,349	\$38,090,050	\$13,720	8%	49%	26%	5	\$132,450	\$29,009	1,344	\$37,957,600	\$13,719
30-34	Self-Poisoning	1,248	\$34,926,097	\$15,240	12%	47%	26%	7	\$228,881	\$22,690	1,241	\$34,697,216	\$15,156
35-39	Self-Poisoning	1,160	\$33,458,886	\$15,598	16%	44%	28%	1	\$25,927	\$25,927	1,159	\$33,432,959	\$15,584
40-44	Unint. Falls	1,140	\$67,495,526	\$35,371	15%	33%	41%	206	\$13,853,219	\$37,310	934	\$53,642,307	\$34,921
45-49	Unint. Falls	1,861	\$118,559,349	\$34,612	20%	32%	39%	337	\$26,637,851	\$41,540	1,524	\$91,921,498	\$33,514
50-54	Unint. Falls	2,667	\$163,985,911	\$36,018	24%	26%	42%	487	\$36,929,609	\$41,251	2,180	\$127,056,302	\$35,225
55-59	Unint. Falls	3,409	\$226,729,341	\$38,234	27%	21%	45%	580	\$51,614,901	\$43,036	2,829	\$175,114,440	\$36,931
60-64	Unint. Falls	3,836	\$250,113,838	\$38,139	32%	16%	46%	600	\$52,103,941	\$43,975	3,236	\$198,009,897	\$37,164
65-69	Unint. Falls	4,203	\$264,168,963	\$37,612	82%	1%	14%	652	\$52,461,870	\$41,623	3,551	\$211,707,093	\$36,621
70-74	Unint. Falls	4,938	\$278,106,447	\$35,293	90%	0%	7%	752	\$54,843,583	\$40,786	4,186	\$223,262,864	\$34,651
75-79	Unint. Falls	6,773	\$365,936,670	\$34,349	93%	0%	5%	1,044	\$76,162,004	\$38,136	5,729	\$289,774,666	\$33,639
80-84	Unint. Falls	9,798	\$496,106,385	\$33,720	95%	0%	3%	1,427	\$91,084,906	\$37,989	8,371	\$405,021,478	\$33,050
85+	Unint. Falls	20,105	\$891,241,243	\$31,421	96%	0%	3%	2,811	\$135,836,964	\$32,006	17,294	\$755,404,279	\$31,344
<b>Total:</b>	Unint. Falls	63,484	\$3,360,425,144	\$33,563	73%	8%	16%	9,872	\$647,981,761	\$36,412	53,612	\$2,712,443,383	\$33,046

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.

# INJURY HOSPITALIZATION RATES: PENNSYLVANIA

## NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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																
<b>Fall</b>	435	60.4	485	64.8	357	45.9	521	60.1	651	73.2	667	82.4	825	107.5	815	113.7	1,140	136.8
→ On same level	46	6.4	84	11.2	145	18.6	168	19.4	160	18.0	141	17.4	135	17.6	175	24.4	217	26.0
→ One level to another	309	42.9	298	39.8	132	17.0	197	22.7	286	32.2	309	38.2	399	52.0	346	48.3	498	59.8
→ Unspecified	80	11.1	103	13.8	80	10.3	156	18.0	205	23.0	217	26.8	291	37.9	294	41.0	425	51.0
<b>Poisoning</b>	224	31.1	60	8.0	186	23.9	930	107.3	1,427	160.4	1,436	177.5	1,339	174.5	1,248	174.1	1,566	187.9
→ Drug	170	23.6	45	6.0	158	20.3	867	100.1	1,343	151.0	1,350	166.9	1,249	162.8	1,161	162.0	1,450	174.0
→ Non-Drug	54	7.5	15	2.0	28	3.6	63	7.3	84	9.4	86	10.6	90	11.7	87	12.1	116	13.9
<b>Motor Vehicle Traffic</b>	117	16.3	169	22.6	228	29.3	856	98.8	1,384	155.6	972	120.1	725	94.5	642	89.6	791	94.9
→ MVT Occupant	57	7.9	60	8.0	82	10.5	649	74.9	987	111.0	633	78.2	469	61.1	411	57.3	503	60.4
→ MVT Motorcyclist	1	NSR	3	NSR	9	NSR	60	6.9	174	19.6	162	20.0	131	17.1	131	18.3	175	21.0
→ MVT Pedal Cyclist	2	NSR	17	2.3	42	5.4	32	3.7	44	4.9	38	4.7	14	1.8	6	NSR	8	NSR
→ MVT Pedestrian	57	7.9	86	11.5	88	11.3	81	9.3	110	12.4	87	10.8	68	8.9	60	8.4	63	7.6
→ MVT Other	0	NSR	2	NSR	5	NSR	5	NSR	6	NSR	4	NSR	2	NSR	2	NSR	2	NSR
→ MVT Unspecified	0	NSR	1	NSR	2	NSR	29	3.3	63	7.1	48	5.9	41	5.3	32	4.5	40	4.8
All Pedal Cyclist	8	NSR	52	6.9	88	11.3	59	6.8	51	5.7	52	6.4	36	4.7	33	4.6	46	5.5
All Pedestrian	5	NSR	9	NSR	4	NSR	3	NSR	6	NSR	7	NSR	4	NSR	8	NSR	5	NSR
Other Transport	0	NSR	2	NSR	1	NSR	4	NSR	6	NSR	3	NSR	4	NSR	1	NSR	0	NSR
Firearm	4	NSR	6	NSR	27	3.5	232	26.8	415	46.7	233	28.8	168	21.9	96	13.4	70	8.4
Drowning	18	2.5	7	NSR	2	NSR	3	NSR	5	NSR	4	NSR	3	NSR	3	NSR	6	NSR
Suffocation	16	2.2	5	NSR	13	1.7	37	4.3	36	4.0	51	6.3	47	6.1	41	5.7	47	5.6
Fire/Flames	28	3.9	16	2.1	21	2.7	39	4.5	53	6.0	51	6.3	44	5.7	50	7.0	49	5.9
Hot Object/Scald	148	20.6	34	4.5	28	3.6	41	4.7	45	5.1	43	5.3	43	5.6	46	6.4	75	9.0
Cut/Pierce	15	2.1	23	3.1	77	9.9	266	30.7	392	44.1	355	43.9	340	44.3	244	34.0	228	27.4
Struck By/Against	69	9.6	86	11.5	189	24.3	363	41.9	448	50.4	385	47.6	308	40.1	257	35.9	310	37.2
Machinery	8	NSR	3	NSR	7	NSR	21	2.4	28	3.1	29	3.6	44	5.7	28	3.9	43	5.2
Overexertion	2	NSR	5	NSR	27	3.5	50	5.8	52	5.8	79	9.8	86	11.2	64	8.9	88	10.6
Nat/Env. Causes	128	17.8	91	12.1	55	7.1	84	9.7	134	15.1	132	16.3	156	20.3	148	20.7	182	21.8
→ Bites and Stings	103	14.3	86	11.5	49	6.3	61	7.0	99	11.1	105	13.0	116	15.1	115	16.0	145	17.4
Other Spec./NEC	186	25.8	113	15.1	174	22.4	360	41.5	545	61.3	591	73.0	697	90.8	579	80.8	708	85.0
Unspecified	74	0.0	36	4.8	92	11.8	162	18.7	285	32.0	317	39.2	370	48.2	362	50.5	459	55.1
<b>Total: All Mechanisms</b>	<b>1,500</b>	<b>208.4</b>	<b>1,229</b>	<b>164.1</b>	<b>1,694</b>	<b>217.6</b>	<b>4,208</b>	<b>485.6</b>	<b>6,163</b>	<b>692.8</b>	<b>5,515</b>	<b>681.6</b>	<b>5,337</b>	<b>695.4</b>	<b>4,767</b>	<b>665.2</b>	<b>5,931</b>	<b>711.8</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

# INJURY HOSPITALIZATION RATES: PENNSYLVANIA

## NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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
<b>Fall</b>	1,862	206.3	2,668	272.7	3,411	369.2	3,838	488.1	4,206	685.1	4,941	1,100.4	6,781	1,912.0	9,803	3,233.7	20,120	6,247.4
→ On same level	383	42.4	606	61.9	816	88.3	1,085	138.0	1,201	195.6	1,449	322.7	1,975	556.9	2,915	961.6	6,079	1,887.6
→ One level to another	681	75.5	955	97.6	1,126	121.9	1,092	138.9	1,098	178.8	1,189	264.8	1,489	419.8	1,759	580.2	3,229	1,002.6
→ Unspecified	798	88.4	1,107	113.1	1,469	159.0	1,661	211.2	1,907	310.6	2,303	512.9	3,317	935.3	5,129	1,691.9	10,812	3,357.2
<b>Poisoning</b>	1,819	201.6	1,802	184.2	1,422	153.9	896	113.9	601	97.9	403	89.7	339	95.6	270	89.1	330	102.5
→ Drug	1,633	181.0	1,635	167.1	1,283	138.9	810	103.0	534	87.0	357	79.5	301	84.9	239	78.8	299	92.8
→ Non-Drug	186	20.6	167	17.1	139	15.0	86	10.9	67	10.9	46	10.2	38	10.7	31	10.2	31	9.6
<b>Motor Vehicle Traffic</b>	828	91.8	891	91.1	736	79.7	672	85.5	540	88.0	423	94.2	407	114.8	416	137.2	391	121.4
→ MVT Occupant	474	52.5	523	53.5	458	49.6	422	53.7	383	62.4	316	70.4	321	90.5	325	107.2	305	94.7
→ MVT Motorcyclist	199	22.1	206	21.1	145	15.7	118	15.0	55	9.0	24	5.3	14	3.9	4	NSR	2	NSR
→ MVT Pedal Cyclist	17	1.9	22	2.2	18	1.9	7	NSR	10	1.6	2	NSR	3	NSR	0	NSR	2	NSR
→ MVT Pedestrian	85	9.4	83	8.5	79	8.6	76	9.7	64	10.4	52	11.6	40	11.3	50	16.5	53	16.5
→ MVT Other	1	NSR	9	NSR	6	NSR	6	NSR	3	NSR	2	NSR	2	NSR	5	NSR	3	NSR
→ MVT Unspecified	52	5.8	48	4.9	30	3.2	43	5.5	25	4.1	27	6.0	27	7.6	32	10.6	26	8.1
All Pedal Cyclist	51	5.7	70	7.2	70	7.6	41	5.2	40	6.5	20	4.5	11	3.1	12	4.0	4	NSR
All Pedestrian	6	NSR	7	NSR	7	NSR	5	NSR	8	NSR	7	NSR	5	NSR	8	NSR	7	NSR
Other Transport	5	NSR	4	NSR	9	NSR	8	NSR	3	NSR	2	NSR	3	NSR	0	NSR	3	NSR
Firearm	65	7.2	53	5.4	33	3.6	24	3.1	15	2.4	13	2.9	4	NSR	6	NSR	9	NSR
Drowning	1	NSR	3	NSR	1	NSR	1	NSR	0	NSR	2	NSR	0	NSR	1	NSR	1	NSR
Suffocation	83	9.2	97	9.9	124	13.4	148	18.8	214	34.9	180	40.1	184	51.9	255	84.1	383	118.9
Fire/Flames	60	6.6	75	7.7	57	6.2	57	7.2	45	7.3	35	7.8	26	7.3	23	7.6	35	10.9
Hot Object/Scald	72	8.0	67	6.8	83	9.0	54	6.9	38	6.2	30	6.7	27	7.6	41	13.5	44	13.7
Cut/Pierce	229	25.4	226	23.1	190	20.6	113	14.4	61	9.9	56	12.5	47	13.3	42	13.9	45	14.0
Struck By/Against	363	40.2	337	34.4	317	34.3	199	25.3	170	27.7	151	33.6	168	47.4	178	58.7	287	89.1
Machinery	45	5.0	56	5.7	57	6.2	48	6.1	28	4.6	24	5.3	19	5.4	14	4.6	20	6.2
Overexertion	118	13.1	107	10.9	124	13.4	127	16.2	134	21.8	113	25.2	119	33.6	131	43.2	166	51.5
Nat/Env. Causes	264	29.3	299	30.6	290	31.4	241	30.6	196	31.9	183	40.8	181	51.0	202	66.6	254	78.9
→ Bites and Stings	183	20.3	212	21.7	201	21.8	149	18.9	124	20.2	103	22.9	103	29.0	91	30.0	82	25.5
Other Spec./NEC	884	98.0	994	101.6	994	107.6	882	112.2	855	139.3	747	166.4	739	208.4	757	249.7	1,269	394.0
Unspecified	644	71.4	850	86.9	823	89.1	806	102.5	827	134.7	857	190.9	896	252.6	1,030	339.8	1,829	567.9
<b>Total: All Mechanisms</b>	<b>7,511</b>	<b>832.3</b>	<b>8,725</b>	<b>891.8</b>	<b>8,848</b>	<b>957.7</b>	<b>8,234</b>	<b>1,047.1</b>	<b>8,047</b>	<b>1,310.7</b>	<b>8,241</b>	<b>1,835.3</b>	<b>10,003</b>	<b>2,820.5</b>	<b>13,254</b>	<b>4,372.0</b>	<b>25,262</b>	<b>7,844.1</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: MALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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
<b>Fall</b>	232	61.6	242	61.9	204	50.0	330	73.0	359	77.9	369	88.2	448	113.8	444	122.2	626	149.3
→ On same level	29	7.7	45	11.5	85	20.8	106	23.4	86	18.7	61	14.6	55	14.0	87	23.9	96	22.9
→ One level to another	158	42.0	143	36.6	74	18.1	124	27.4	149	32.3	197	47.1	252	64.0	197	54.2	297	70.8
→ Unspecified	45	11.9	54	13.8	45	11.0	100	22.1	124	26.9	111	26.5	141	35.8	160	44.0	233	55.6
<b>Poisoning</b>	100	26.6	25	6.4	51	12.5	359	79.4	694	150.5	683	163.2	648	164.7	513	141.2	673	160.5
→ Drug	73	19.4	18	4.6	0	NSR	326	72.1	653	141.6	632	151.0	594	150.9	462	127.2	617	147.2
→ Non-Drug	27	7.2	7	NSR	19	4.7	33	7.3	41	8.9	51	12.2	54	13.7	51	14.0	56	13.4
<b>Motor Vehicle Traffic</b>	73	19.4	103	26.3	143	35.0	509	112.6	819	177.6	580	138.6	423	107.5	399	109.8	480	114.5
→ MVT Occupant	29	7.7	31	7.9	46	11.3	374	82.7	561	121.7	351	83.9	248	63.0	227	62.5	281	67.0
→ MVT Motorcyclist	0	NSR	2	NSR	8	NSR	47	10.4	134	29.1	131	31.3	108	27.4	109	30.0	138	32.9
→ MVT Pedal Cyclist	1	NSR	13	3.3	33	8.1	25	5.5	31	6.7	31	7.4	7	NSR	5	NSR	5	NSR
→ MVT Pedestrian	43	11.4	57	14.6	50	12.3	44	9.7	55	11.9	42	10.0	41	10.4	34	9.4	33	7.9
→ MVT Other	0	NSR	0	NSR	4	NSR	4	NSR	4	NSR	3	NSR	0	NSR	2	NSR	0	NSR
→ MVT Unspecified	0	NSR	0	NSR	2	NSR	15	3.3	34	7.4	22	5.3	19	4.8	22	6.1	23	5.5
All Pedal Cyclist	4	NSR	30	7.7	68	16.7	47	10.4	37	8.0	40	9.6	22	5.6	26	7.2	36	8.6
All Pedestrian	0	NSR	6	NSR	4	NSR	3	NSR	3	NSR	5	NSR	2	NSR	7	NSR	3	NSR
Other Transport	0	NSR	0	NSR	1	NSR	2	NSR	3	NSR	3	NSR	2	NSR	1	NSR	0	NSR
Firearm	3	NSR	3	NSR	21	5.1	197	43.6	345	74.8	192	45.9	135	34.3	75	20.6	54	12.9
Drowning	9	NSR	4	NSR	1	NSR	2	NSR	3	NSR	0	NSR	2	NSR	2	NSR	4	NSR
Suffocation	10	2.7	2	NSR	7	NSR	26	5.8	23	5.0	31	7.4	30	7.6	26	7.2	22	5.2
Fire/Flames	16	4.2	8	NSR	14	3.4	30	6.6	36	7.8	31	7.4	24	6.1	36	9.9	31	7.4
Hot Object/Scald	72	19.1	11	2.8	12	2.9	20	4.4	22	4.8	19	4.5	27	6.9	22	6.1	46	11.0
Cut/Pierce	4	NSR	14	3.6	31	7.6	125	27.7	218	47.3	224	53.5	208	52.9	170	46.8	134	32.0
Struck By/Against	40	1.1	45	3.6	139	7.6	279	27.7	340	47.3	265	53.5	219	52.9	190	46.8	244	32.0
Machinery	5	NSR	1	NSR	3	NSR	16	3.5	23	5.0	24	5.7	34	8.6	24	6.6	36	8.6
Overexertion	2	NSR	2	NSR	17	4.2	34	7.5	25	5.4	40	9.6	47	11.9	26	7.2	54	12.9
Nat/Env. Causes	72	19.1	46	11.8	31	7.6	42	9.3	69	15.0	55	13.1	84	21.3	72	19.8	97	23.1
→ Bites and Stings	58	15.4	43	11.0	29	7.1	33	7.3	48	10.4	42	10.0	60	15.2	51	14.0	72	17.2
Other Spec./NEC	14	3.7	3	NSR	2	NSR	9	NSR	21	4.6	13	3.1	24	6.1	21	5.8	25	6.0
Unspecified	38	10.1	15	3.8	53	13.0	96	21.2	182	39.5	174	41.6	210	53.4	213	58.6	256	61.1
<b>Total: All Mechanisms</b>	<b>788</b>	<b>209.3</b>	<b>633</b>	<b>161.9</b>	<b>954</b>	<b>233.7</b>	<b>2,458</b>	<b>543.8</b>	<b>3,686</b>	<b>799.4</b>	<b>3,169</b>	<b>757.2</b>	<b>3,108</b>	<b>789.7</b>	<b>2,661</b>	<b>732.4</b>	<b>3,307</b>	<b>788.8</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: MALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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
<b>Fall</b>	1,071	237.8	1,395	288.5	1,634	361.4	1,704	450.0	1,700	588.9	1,907	940.1	2,289	1,507.4	3,092	2,590.6	5,392	5,231.6
→ On same level	190	42.2	249	51.5	299	66.1	395	104.3	397	137.5	529	260.8	571	376.0	813	681.2	1,498	1,453.4
→ One level to another	436	96.8	579	119.7	612	135.3	544	143.7	498	172.5	475	234.2	549	361.5	659	552.1	911	883.9
→ Unspecified	445	98.8	567	117.3	723	159.9	765	202.0	805	278.9	903	445.2	1,169	769.8	1,620	1,357.3	2,983	2,894.3
<b>Poisoning</b>	802	178.1	845	174.7	724	160.1	447	118.0	245	84.9	170	83.8	140	92.2	100	83.8	122	118.4
→ Drug	693	153.9	742	153.4	639	141.3	393	103.8	204	70.7	148	73.0	114	75.1	86	72.1	105	101.9
→ Non-Drug	109	24.2	103	21.3	85	18.8	54	14.3	41	14.2	22	10.8	26	17.1	14	11.7	17	16.5
<b>Motor Vehicle Traffic</b>	531	117.9	521	107.7	434	96.0	375	99.0	276	95.6	213	105.0	156	102.7	173	144.9	168	163.0
→ MVT Occupant	275	61.1	277	57.3	238	52.6	198	52.3	174	60.3	153	75.4	113	74.4	134	112.3	128	124.2
→ MVT Motorcyclist	161	35.7	156	32.3	119	26.3	103	27.2	47	16.3	21	10.4	12	7.9	4	NSR	2	NSR
→ MVT Pedal Cyclist	14	3.1	17	3.5	14	3.1	7	NSR	10	3.5	2	NSR	3	NSR	0	NSR	2	NSR
→ MVT Pedestrian	53	11.8	44	9.1	46	10.2	44	11.6	33	11.4	20	9.9	14	9.2	20	16.8	23	22.3
→ MVT Other	1	NSR	7	NSR	5	NSR	3	NSR	2	NSR	2	NSR	2	NSR	0	NSR	1	NSR
→ MVT Unspecified	27	6.0	20	4.1	12	2.7	20	5.3	10	3.5	15	7.4	12	7.9	15	12.6	12	11.6
All Pedal Cyclist	30	6.7	47	9.7	50	11.1	31	8.2	28	9.7	12	5.9	10	6.6	10	8.4	2	NSR
All Pedestrian	4	NSR	4	NSR	3	NSR	2	NSR	1	NSR	3	NSR	2	NSR	4	NSR	1	NSR
Other Transport	3	NSR	3	NSR	5	NSR	4	NSR	1	NSR	0	NSR	1	NSR	0	NSR	2	NSR
Firearm	53	11.8	41	8.5	27	6.0	15	4.0	12	4.2	10	4.9	2	NSR	5	NSR	8	NSR
Drowning	1	NSR	2	NSR	1	NSR	0	NSR	0	NSR	1	NSR	0	NSR	1	NSR	0	NSR
Suffocation	44	9.8	52	10.8	59	13.0	65	17.2	122	42.3	79	38.9	98	64.5	128	107.2	162	157.2
Fire/Flames	31	6.9	41	8.5	29	6.4	30	7.9	28	9.7	18	8.9	14	9.2	9	NSR	15	14.6
Hot Object/Scald	43	9.5	38	7.9	58	12.8	32	8.5	24	8.3	12	5.9	12	7.9	16	13.4	13	12.6
Cut/Pierce	151	33.5	163	33.7	118	26.1	73	19.3	39	13.5	42	20.7	32	21.1	21	17.6	30	29.1
Struck By/Against	274	33.5	244	33.7	232	26.1	128	19.3	90	13.5	81	20.7	74	21.1	75	17.6	79	29.1
Machinery	35	7.8	46	9.5	47	10.4	39	10.3	22	7.6	22	10.8	19	12.5	13	10.9	16	15.5
Overexertion	69	15.3	54	11.2	59	13.0	64	16.9	55	19.1	43	21.2	29	19.1	45	37.7	48	46.6
Nat/Env. Causes	126	28.0	149	30.8	139	30.7	106	28.0	94	32.6	87	42.9	73	48.1	86	72.1	90	87.3
→ Bites and Stings	75	16.7	96	19.9	79	17.5	52	13.7	54	18.7	43	21.2	39	25.7	35	29.3	25	24.3
Other Spec./NEC	51	11.3	53	11.0	60	13.3	54	14.3	40	13.9	44	21.7	34	22.4	51	42.7	65	63.1
Unspecified	380	84.4	507	104.8	497	109.9	424	112.0	402	139.3	425	209.5	419	275.9	451	377.9	700	679.2
<b>Total: All Mechanisms</b>	<b>4,258</b>	<b>945.3</b>	<b>4,825</b>	<b>997.8</b>	<b>4,776</b>	<b>1,056.2</b>	<b>4,108</b>	<b>1,084.9</b>	<b>3,642</b>	<b>1,261.6</b>	<b>3,519</b>	<b>1,734.9</b>	<b>3,744</b>	<b>2,465.5</b>	<b>4,604</b>	<b>3,857.5</b>	<b>7,380</b>	<b>7,160.5</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: FEMALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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
<b>Fall</b>	149	41.5	167	44.8	115	29.7	156	36.1	228	51.3	255	63.3	316	81.8	311	85.9	435	103.0
→ On same level	8	NSR	29	7.8	39	10.1	50	11.6	54	12.1	73	18.1	74	19.1	78	21.5	110	26.0
→ One level to another	116	32.3	102	27.4	48	12.4	60	13.9	114	25.6	91	22.6	114	29.5	115	31.8	162	38.4
→ Unspecified	25	7.0	36	9.7	28	7.2	46	10.6	60	13.5	91	22.6	128	33.1	118	32.6	163	38.6
<b>Poisoning</b>	90	25.1	23	6.2	106	27.4	495	114.5	659	148.1	674	167.2	635	164.3	669	184.7	818	193.6
→ Drug	68	18.9	20	5.4	98	25.3	469	108.5	622	139.8	646	160.2	608	157.3	641	177.0	766	181.3
→ Non-Drug	22	6.1	3	NSR	8	2.1	26	6.0	37	8.3	28	6.9	27	7.0	28	7.7	52	12.3
<b>Motor Vehicle Traffic</b>	27	7.5	50	13.4	57	14.7	289	66.8	419	94.2	305	75.7	236	61.1	192	53.0	246	58.2
→ MVT Occupant	20	5.6	24	6.4	30	7.7	246	56.9	342	76.9	227	56.3	187	48.4	152	42.0	182	43.1
→ MVT Motorcyclist	1	NSR	1	NSR	0	NSR	9	NSR	19	4.3	16	4.0	8	NSR	11	3.0	24	5.7
→ MVT Pedal Cyclist	0	NSR	3	NSR	7	NSR	3	NSR	4	NSR	6	NSR	2	NSR	0	NSR	1	NSR
→ MVT Pedestrian	6	NSR	20	5.4	19	4.9	21	4.9	32	7.2	35	8.7	22	5.7	21	5.8	23	5.4
→ MVT Other	0	NSR	1	NSR	1	NSR	0	NSR	1	NSR	1	NSR	2	NSR	0	NSR	0	NSR
→ MVT Unspecified	0	NSR	1	NSR	0	NSR	10	2.3	21	4.7	20	5.0	15	3.9	8	NSR	16	3.8
All Pedal Cyclist	1	NSR	21	5.6	15	3.9	7	NSR	9	2.0	6	NSR	9	NSR	5	NSR	4	NSR
All Pedestrian	4	NSR	2	NSR	0	NSR	0	NSR	2	NSR	2	NSR	1	NSR	0	NSR	1	NSR
Other Transport	0	NSR	1	NSR	0	NSR	1	NSR	2	NSR	0	NSR	1	NSR	0	NSR	0	NSR
Firearm	0	NSR	3	NSR	4	NSR	16	3.7	22	4.9	15	3.7	12	3.1	7	NSR	8	NSR
Drowning	4	NSR	2	NSR	0	NSR	1	NSR	1	NSR	0	NSR	1	NSR	1	NSR	1	NSR
Suffocation	2	NSR	1	NSR	6	NSR	10	2.3	12	2.7	17	4.2	16	4.1	14	3.9	25	5.9
Fire/Flames	9	NSR	5	NSR	5	NSR	6	NSR	11	2.5	14	3.5	14	3.6	11	3.0	11	2.6
Hot Object/Scald	42	11.7	13	3.5	9	NSR	14	3.2	20	4.5	20	5.0	9	NSR	16	4.4	20	4.7
Cut/Pierce	9	NSR	8	NSR	39	10.1	121	28.0	141	31.7	94	23.3	99	25.6	57	15.7	77	18.2
Struck By/Against	17	4.7	29	7.8	29	7.5	53	12.3	66	14.8	84	20.8	60	15.5	44	12.1	52	12.3
Machinery	2	NSR	0	NSR	1	NSR	1	NSR	3	NSR	2	NSR	5	NSR	0	NSR	3	NSR
Overexertion	0	NSR	3	NSR	6	NSR	12	2.8	22	4.9	33	8.2	32	8.3	35	9.7	31	7.3
Nat/Env. Causes	49	13.6	38	10.2	19	4.9	38	8.8	57	12.8	68	16.9	68	17.6	70	19.3	82	19.4
→ Bites and Stings	39	10.9	36	9.7	16	4.1	26	6.0	43	9.7	57	14.1	52	13.5	59	16.3	71	16.8
Other Spec./NEC	71	19.8	46	12.3	69	17.8	122	28.2	168	37.8	194	48.1	185	47.9	202	55.8	246	58.2
Unspecified	30	8.4	19	5.1	32	8.3	50	11.6	81	18.2	117	29.0	127	32.9	123	34.0	180	42.6
<b>Total: All Mechanisms</b>	<b>509</b>	<b>141.7</b>	<b>435</b>	<b>116.7</b>	<b>554</b>	<b>143.1</b>	<b>1,426</b>	<b>329.8</b>	<b>1,965</b>	<b>441.7</b>	<b>1,922</b>	<b>476.7</b>	<b>1,846</b>	<b>477.6</b>	<b>1,778</b>	<b>491.0</b>	<b>2,270</b>	<b>537.4</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: FEMALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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								
<b>Fall</b>	694	150.7	1,163	232.9	1,639	347.5	1,983	488.9	2,355	727.5	2,858	1,169.5	4,307	2,134.0	6,491	3,536.0	14,270	6,516.0
→ On same level	181	39.3	336	67.3	496	105.2	662	163.2	776	239.7	882	360.9	1,364	675.8	2,039	1,110.8	4,467	2,039.7
→ One level to another	197	42.8	335	67.1	455	96.5	486	119.8	539	166.5	658	269.3	892	442.0	1,046	569.8	2,236	1,021.0
→ Unspecified	316	68.6	492	98.5	688	145.9	835	205.9	1,040	321.3	1,318	539.4	2,051	1,016.2	3,406	1,855.4	7,567	3,455.3
<b>Poisoning</b>	935	203.0	898	179.9	663	140.6	415	102.3	336	103.8	217	88.8	187	92.7	166	90.4	200	91.3
→ Drug	869	188.7	842	168.6	611	129.6	387	95.4	315	97.3	195	79.8	176	87.2	150	81.7	186	84.9
→ Non-Drug	66	14.3	56	11.2	52	11.0	28	6.9	21	6.5	22	9.0	11	5.5	16	8.7	14	6.4
<b>Motor Vehicle Traffic</b>	240	52.1	309	61.9	252	53.4	244	60.2	234	72.3	182	74.5	221	109.5	222	120.9	193	88.1
→ MVT Occupant	161	35.0	212	42.5	193	40.9	187	46.1	191	59.0	147	60.2	182	90.2	175	95.3	154	70.3
→ MVT Motorcyclist	28	6.1	35	7.0	14	3.0	9	NSR	3	NSR	1	NSR	1	NSR	0	NSR	0	NSR
→ MVT Pedal Cyclist	0	NSR	4	NSR	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
→ MVT Pedestrian	27	5.9	34	6.8	26	5.5	27	6.7	24	7.4	23	9.4	24	11.9	26	14.2	25	11.4
→ MVT Other	0	NSR	1	NSR	1	NSR	1	NSR	1	NSR	0	NSR	0	NSR	5	NSR	2	NSR
→ MVT Unspecified	24	5.2	23	4.6	16	3.4	20	4.9	15	4.6	11	4.5	14	6.9	16	8.7	12	5.5
All Pedal Cyclist	16	3.5	21	4.2	17	3.6	7	NSR	11	3.4	7	NSR	1	NSR	2	NSR	2	NSR
All Pedestrian	1	NSR	3	NSR	4	NSR	3	NSR	7	NSR	3	NSR	2	NSR	4	NSR	5	NSR
Other Transport	2	NSR	1	NSR	2	NSR	4	NSR	2	NSR	2	NSR	1	NSR	0	NSR	1	NSR
Firearm	4	NSR	4	NSR	3	NSR	4	NSR	2	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Drowning	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR	1	NSR
Suffocation	35	7.6	41	8.2	61	12.9	76	18.7	85	26.3	96	39.3	81	40.1	124	67.5	217	99.1
Fire/Flames	25	5.4	23	4.6	21	4.5	20	4.9	11	3.4	14	5.7	12	5.9	13	7.1	18	8.2
Hot Object/Scald	25	5.4	27	5.4	21	4.5	21	5.2	12	3.7	17	7.0	14	6.9	23	12.5	29	13.2
Cut/Pierce	62	13.5	52	10.4	61	12.9	33	8.1	18	5.6	13	5.3	14	6.9	20	10.9	13	5.9
Struck By/Against	61	13.2	77	15.4	70	14.8	62	15.3	74	22.9	67	27.4	91	45.1	99	53.9	205	93.6
Machinery	4	NSR	5	NSR	6	NSR	4	NSR	1	NSR	2	NSR	0	NSR	1	NSR	4	NSR
Overexertion	43	9.3	51	10.2	62	13.1	61	15.0	76	23.5	68	27.8	87	43.1	86	46.8	116	53.0
Nat/Env. Causes	133	28.9	140	28.0	143	30.3	128	31.6	96	29.7	93	38.1	102	50.5	111	60.5	159	72.6
→ Bites and Stings	105	22.8	109	21.8	118	25.0	92	22.7	67	20.7	59	24.1	61	30.2	56	30.5	56	25.6
Other Spec./NEC	289	62.8	335	67.1	348	73.8	324	79.9	358	110.6	356	145.7	351	173.9	393	214.1	742	338.8
Unspecified	233	50.6	315	63.1	302	64.0	352	86.8	399	123.3	402	164.5	457	226.4	561	305.6	1,090	497.7
<b>Total: All Mechanisms</b>	<b>2,841</b>	<b>616.9</b>	<b>3,512</b>	<b>703.4</b>	<b>3,714</b>	<b>787.5</b>	<b>3,772</b>	<b>930.0</b>	<b>4,099</b>	<b>1,266.2</b>	<b>4,421</b>	<b>1,809.2</b>	<b>5,954</b>	<b>2,950.1</b>	<b>8,347</b>	<b>4,547.1</b>	<b>17,304</b>	<b>7,901.4</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: WHITE MALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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
<b>Fall</b>	145	52.0	170	57.4	154	49.0	254	72.6	274	77.1	288	86.8	363	115.8	352	120.1	496	142.8
→ On same level	22	7.9	32	10.8	65	20.7	82	23.4	68	19.1	45	13.6	49	15.6	64	21.8	77	22.2
→ One level to another	96	34.4	102	34.4	55	17.5	97	27.7	119	33.5	161	48.5	206	65.7	162	55.3	258	74.3
→ Unspecified	27	9.7	36	12.1	34	10.8	75	21.4	87	24.5	82	24.7	108	34.5	126	43.0	161	46.4
<b>Poisoning</b>	56	20.1	12	4.0	34	10.8	300	85.8	590	166.1	600	180.8	534	170.4	395	134.8	486	140.0
→ Drug	43	15.4	6	NSR	21	6.7	274	78.3	560	157.7	560	168.8	496	158.3	353	120.4	441	127.0
→ Non-Drug	13	4.7	6	NSR	13	4.1	26	7.4	30	8.4	40	12.1	38	12.1	42	14.3	45	13.0
<b>Motor Vehicle Traffic</b>	27	9.7	49	16.5	83	26.4	410	117.2	680	191.5	467	140.7	331	105.6	319	108.8	398	114.6
→ MVT Occupant	11	3.9	23	7.8	33	10.5	317	90.6	471	132.6	296	89.2	196	62.5	186	63.5	233	67.1
→ MVT Motorcyclist	0	NSR	1	NSR	5	NSR	39	11.1	113	31.8	98	29.5	97	31.0	87	29.7	116	33.4
→ MVT Pedal Cyclist	0	NSR	5	NSR	21	6.7	11	3.1	19	5.3	27	8.1	4	NSR	2	NSR	3	NSR
→ MVT Pedestrian	16	5.7	20	6.7	21	6.7	26	7.4	44	12.4	26	7.8	21	6.7	23	7.8	26	7.5
→ MVT Other	0	NSR	0	NSR	1	NSR	3	NSR	3	NSR	2	NSR	0	NSR	1	NSR	0	NSR
→ MVT Unspecified	0	NSR	0	NSR	2	NSR	14	4.0	30	8.4	18	5.4	13	4.1	20	6.8	20	5.8
All Pedal Cyclist	2	NSR	21	7.1	56	17.8	37	10.6	29	8.2	36	10.8	17	5.4	21	7.2	29	8.4
All Pedestrian	0	NSR	2	NSR	2	NSR	3	NSR	3	NSR	4	NSR	2	NSR	3	NSR	3	NSR
Other Transport	0	NSR	0	NSR	1	NSR	2	NSR	3	NSR	3	NSR	2	NSR	1	NSR	0	NSR
Firearm	1	NSR	1	NSR	8	NSR	23	6.6	40	11.3	35	10.5	29	9.3	18	6.1	16	4.6
Drowning	7	NSR	2	NSR	1	NSR	2	NSR	3	NSR	0	NSR	1	NSR	2	NSR	4	NSR
Suffocation	6	NSR	1	NSR	5	NSR	18	5.1	20	5.6	24	7.2	22	7.0	17	5.8	19	5.5
Fire/Flames	9	NSR	5	NSR	13	4.1	29	8.3	33	9.3	27	8.1	20	6.4	29	9.9	26	7.5
Hot Object/Scald	39	14.0	6	NSR	10	3.2	12	3.4	18	5.1	12	3.6	22	7.0	20	6.8	33	9.5
Cut/Pierce	2	NSR	5	NSR	27	8.6	86	24.6	135	38.0	164	49.4	145	46.3	114	38.9	101	29.1
Struck By/Against	23	8.2	29	9.8	95	30.2	194	55.5	224	63.1	160	48.2	149	47.5	123	42.0	171	49.2
Machinery	4	NSR	1	NSR	2	NSR	15	4.3	18	5.1	19	5.7	28	8.9	20	6.8	32	9.2
Overexertion	1	NSR	2	NSR	12	3.8	25	7.1	15	4.2	31	9.3	36	11.5	21	7.2	35	10.1
Nat/Env. Causes	44	15.8	27	9.1	18	5.7	26	7.4	53	14.9	45	13.6	76	24.3	61	20.8	79	22.8
→ Bites and Stings	35	12.5	24	8.1	16	5.1	21	6.0	39	11.0	35	10.5	55	17.5	46	15.7	62	17.9
Other Spec./NEC	57	20.4	32	10.8	58	18.5	152	43.5	203	57.2	227	68.4	300	95.7	226	77.1	301	86.7
Unspecified	21	7.5	9	NSR	34	10.8	73	20.9	135	38.0	122	36.8	141	45.0	151	51.5	174	50.1
<b>Total: All Mechanisms</b>	<b>455</b>	<b>163.1</b>	<b>392</b>	<b>132.3</b>	<b>672</b>	<b>213.8</b>	<b>1,775</b>	<b>507.5</b>	<b>2,613</b>	<b>735.7</b>	<b>2,331</b>	<b>702.5</b>	<b>2,284</b>	<b>728.8</b>	<b>1,960</b>	<b>668.7</b>	<b>2,476</b>	<b>713.0</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: WHITE MALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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
<b>Fall</b>	854	224.1	1,141	272.0	1,380	345.6	1,462	430.4	1,516	577.2	1,742	939.2	2,134	1,526.5	2,944	2,640.0	5,209	5,374.6
→ On same level	142	37.3	201	47.9	267	66.9	347	102.2	369	140.5	486	262.0	538	384.9	781	700.4	1,450	1,496.1
→ One level to another	362	95.0	489	116.6	517	129.5	457	134.5	453	172.5	424	228.6	516	369.1	625	560.5	866	893.5
→ Unspecified	350	91.8	451	107.5	596	149.2	658	193.7	694	264.2	832	448.6	1,080	772.6	1,538	1,379.2	2,893	2,985.0
<b>Poisoning</b>	578	151.6	576	137.3	514	128.7	308	90.7	191	72.7	139	74.9	127	90.8	85	76.2	113	116.6
→ Drug	502	131.7	497	118.5	455	113.9	273	80.4	158	60.2	121	65.2	106	75.8	73	65.5	96	99.1
→ Non-Drug	76	19.9	79	18.8	59	14.8	35	10.3	33	12.6	18	9.7	21	15.0	12	10.8	17	17.5
<b>Motor Vehicle Traffic</b>	442	116.0	449	107.0	373	93.4	329	96.9	250	95.2	193	104.1	145	103.7	163	146.2	160	165.1
→ MVT Occupant	229	60.1	238	56.7	210	52.6	169	49.8	161	61.3	138	74.4	105	75.1	126	113.0	122	125.9
→ MVT Motorcyclist	148	38.8	149	35.5	114	28.5	102	30.0	47	17.9	20	10.8	11	7.9	4	NSR	2	NSR
→ MVT Pedal Cyclist	9	NSR	14	3.3	7	NSR	6	NSR	9	NSR	2	NSR	3	NSR	0	NSR	0	NSR
→ MVT Pedestrian	32	8.4	24	5.7	29	7.3	30	8.8	25	9.5	17	9.2	13	9.3	18	16.1	23	23.7
→ MVT Other	0	NSR	6	NSR	3	NSR	3	NSR	0	NSR	2	NSR	1	NSR	0	NSR	1	NSR
→ MVT Unspecified	24	6.3	18	4.3	10	2.5	19	5.6	8	NSR	14	7.5	12	8.6	15	13.5	12	12.4
All Pedal Cyclist	28	7.3	44	10.5	42	10.5	29	8.5	26	9.9	10	5.4	10	7.2	10	9.0	1	NSR
All Pedestrian	4	NSR	4	NSR	3	NSR	2	NSR	1	NSR	3	NSR	2	NSR	4	NSR	1	NSR
Other Transport	3	NSR	2	NSR	5	NSR	4	NSR	1	NSR	0	NSR	1	NSR	0	NSR	2	NSR
Firearm	29	7.6	17	4.1	15	3.8	13	3.8	10	3.8	9	NSR	1	NSR	3	NSR	8	NSR
Drowning	1	NSR	2	NSR	1	NSR	0	NSR	0	NSR	1	NSR	0	NSR	1	NSR	0	NSR
Suffocation	39	10.2	45	10.7	47	11.8	54	15.9	99	37.7	73	39.4	95	68.0	123	110.3	157	162.0
Fire/Flames	28	7.3	32	7.6	23	5.8	21	6.2	20	7.6	16	8.6	14	10.0	8	NSR	14	14.4
Hot Object/Scald	35	9.2	30	7.2	41	10.3	27	7.9	20	7.6	10	5.4	11	7.9	15	13.5	12	12.4
Cut/Pierce	109	28.6	128	30.5	92	23.0	64	18.8	35	13.3	40	21.6	31	22.2	21	18.8	28	28.9
Struck By/Against	182	47.7	170	40.5	174	43.6	103	30.3	79	30.1	72	38.8	70	50.1	67	60.1	75	77.4
Machinery	31	8.1	42	10.0	44	11.0	36	10.6	22	8.4	20	10.8	18	12.9	13	11.7	16	16.5
Overexertion	58	15.2	45	10.7	53	13.3	56	16.5	49	18.7	41	22.1	27	19.3	44	39.5	48	49.5
Nat/Env. Causes	95	24.9	121	28.8	104	26.0	92	27.1	86	32.7	82	44.2	65	46.5	74	66.4	84	86.7
→ Bites and Stings	59	15.5	80	19.1	69	17.3	49	14.4	54	20.6	42	22.6	37	26.5	35	31.4	23	23.7
Other Spec./NEC	409	107.3	464	110.6	495	123.9	438	128.9	411	156.5	326	175.8	315	225.3	318	285.2	487	502.5
Unspecified	272	71.4	388	92.5	395	98.9	359	105.7	340	129.5	375	202.2	379	271.1	410	367.7	660	681.0
<b>Total: All Mechanisms</b>	<b>3,255</b>	<b>854.0</b>	<b>3,754</b>	<b>894.8</b>	<b>3,851</b>	<b>964.3</b>	<b>3,436</b>	<b>1,011.5</b>	<b>3,198</b>	<b>1,217.6</b>	<b>3,182</b>	<b>1,715.6</b>	<b>3,466</b>	<b>2,479.4</b>	<b>4,336</b>	<b>3,888.3</b>	<b>7,099</b>	<b>7,324.7</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: WHITE FEMALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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
<b>Fall</b>	92	34.7	124	44.0	86	28.8	115	34.2	163	47.4	191	59.8	239	78.1	247	85.0	362	104.2
→ On same level	4	NSR	24	8.5	28	9.4	34	10.1	43	12.5	59	18.5	54	17.6	63	21.7	103	29.7
→ One level to another	72	27.1	76	27.0	37	12.4	47	14.0	83	24.1	69	21.6	87	28.4	92	31.7	124	35.7
→ Unspecified	16	6.0	24	8.5	21	7.0	34	10.1	37	10.8	63	19.7	98	32.0	92	31.7	135	38.9
<b>Poisoning</b>	44	16.6	6	NSR	76	25.5	392	116.7	544	158.1	587	183.7	527	172.2	558	192.1	644	185.4
→ Drug	32	12.1	6	NSR	71	23.8	374	111.3	517	150.3	563	176.2	514	168.0	534	183.8	607	174.8
→ Non-Drug	12	4.5	0	NSR	5	NSR	18	5.4	27	7.8	24	7.5	13	4.2	24	8.3	37	10.7
<b>Motor Vehicle Traffic</b>	17	6.4	26	9.2	38	12.7	234	69.7	342	99.4	247	77.3	174	56.9	154	53.0	206	59.3
→ MVT Occupant	13	4.9	16	5.7	23	7.7	206	61.3	281	81.7	184	57.6	143	46.7	125	43.0	155	44.6
→ MVT Motorcyclist	1	NSR	1	NSR	0	NSR	9	NSR	14	4.1	14	4.4	7	NSR	9	NSR	24	6.9
→ MVT Pedal Cyclist	0	NSR	3	NSR	3	NSR	3	NSR	4	NSR	6	NSR	1	NSR	0	NSR	1	NSR
→ MVT Pedestrian	3	NSR	5	NSR	11	3.7	9	NSR	23	6.7	25	7.8	10	3.3	13	4.5	13	3.7
→ MVT Other	0	NSR	0	NSR	1	NSR	0	NSR	1	NSR	0	NSR	2	NSR	0	NSR	0	NSR
→ MVT Unspecified	0	NSR	1	NSR	0	NSR	7	NSR	19	5.5	18	5.6	11	3.6	7	NSR	13	3.7
All Pedal Cyclist	0	NSR	16	5.7	12	4.0	6	NSR	8	NSR	6	NSR	8	NSR	4	NSR	4	NSR
All Pedestrian	4	NSR	1	NSR	0	NSR	0	NSR	0	NSR	2	NSR	1	NSR	0	NSR	1	NSR
Other Transport	0	NSR	1	NSR	0	NSR	1	NSR	2	NSR	0	NSR	1	NSR	0	NSR	0	NSR
Firearm	0	NSR	1	NSR	0	NSR	5	NSR	3	NSR	8	NSR	4	NSR	2	NSR	3	NSR
Drowning	4	NSR	2	NSR	0	NSR	1	NSR	1	NSR	0	NSR	1	NSR	1	NSR	1	NSR
Suffocation	1	NSR	0	NSR	3	NSR	6	NSR	7	NSR	10	3.1	10	3.3	8	NSR	16	4.6
Fire/Flames	6	NSR	1	NSR	5	NSR	6	NSR	10	2.9	11	3.4	10	3.3	7	NSR	6	NSR
Hot Object/Scald	21	7.9	7	NSR	3	NSR	13	3.9	17	4.9	12	3.8	5	NSR	13	4.5	13	3.7
Cut/Pierce	4	NSR	5	NSR	36	12.1	101	30.1	112	32.6	73	22.8	81	26.5	47	16.2	63	18.1
Struck By/Against	8	NSR	21	7.5	21	7.0	37	11.0	32	9.3	46	14.4	39	12.7	34	11.7	33	9.5
Machinery	2	NSR	0	NSR	1	NSR	1	NSR	3	NSR	2	NSR	4	NSR	0	NSR	3	NSR
Overexertion	0	NSR	3	NSR	6	NSR	9	NSR	16	4.7	24	7.5	26	8.5	28	9.6	24	6.9
Nat/Env. Causes	34	12.8	22	7.8	13	4.4	28	8.3	46	13.4	57	17.8	49	16.0	53	18.2	73	21.0
→ Bites and Stings	26	9.8	21	7.5	10	3.4	20	6.0	34	9.9	49	15.3	37	12.1	44	15.1	64	18.4
Other Spec./NEC	37	13.9	32	11.4	51	17.1	96	28.6	122	35.5	138	43.2	146	47.7	156	53.7	185	53.3
Unspecified	14	5.3	15	5.3	21	7.0	36	10.7	52	15.1	89	27.9	97	31.7	90	31.0	136	39.2
<b>Total: All Mechanisms</b>	291	109.7	286	101.6	413	138.5	1,121	333.7	1,518	441.2	1,524	476.9	1,441	470.9	1,423	489.9	1,802	518.9

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: WHITE FEMALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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								
<b>Fall</b>	553	143.1	1,004	233.8	1,430	346.9	1,781	497.5	2,172	749.4	2,695	1,226.3	4,045	2,212.9	6,218	3,683.8	13,769	6,747.1
→ On same level	142	36.7	292	68.0	450	109.2	617	172.4	727	250.8	848	385.9	1,287	704.1	1,969	1,166.5	4,334	2,123.7
→ One level to another	165	42.7	281	65.4	383	92.9	428	119.6	483	166.7	610	277.6	819	448.1	978	579.4	2,135	1,046.2
→ Unspecified	246	63.6	431	100.3	597	144.8	736	205.6	962	331.9	1,237	562.9	1,939	1,060.8	3,271	1,937.9	7,300	3,577.2
<b>Poisoning</b>	775	200.5	717	166.9	530	128.6	335	93.6	287	99.0	194	88.3	168	91.9	151	89.5	186	91.1
→ Drug	721	186.5	675	157.2	493	119.6	312	87.2	271	93.5	178	81.0	158	86.4	136	80.6	172	84.3
→ Non-Drug	54	14.0	42	9.8	37	9.0	23	6.4	16	5.5	16	7.3	10	5.5	15	8.9	14	6.9
<b>Motor Vehicle Traffic</b>	203	52.5	272	63.3	228	55.3	221	61.7	209	72.1	168	76.4	202	110.5	210	124.4	187	91.6
→ MVT Occupant	143	37.0	190	44.2	177	42.9	171	47.8	172	59.3	139	63.3	168	91.9	171	101.3	151	74.0
→ MVT Motorcyclist	25	6.5	34	7.9	13	3.2	8	NSR	3	NSR	1	NSR	1	NSR	0	NSR	0	NSR
→ MVT Pedal Cyclist	0	NSR	3	NSR	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
→ MVT Pedestrian	16	4.1	24	5.6	20	4.9	21	5.9	18	6.2	18	8.2	19	10.4	23	13.6	23	11.3
→ MVT Other	0	NSR	1	NSR	1	NSR	1	NSR	1	NSR	0	NSR	0	NSR	2	NSR	2	NSR
→ MVT Unspecified	19	4.9	20	4.7	15	3.6	20	5.6	15	5.2	10	4.6	14	7.7	14	8.3	11	5.4
All Pedal Cyclist	14	3.6	19	4.4	17	4.1	6	NSR	11	3.8	7	NSR	1	NSR	2	NSR	2	NSR
All Pedestrian	0	NSR	3	NSR	3	NSR	3	NSR	6	NSR	3	NSR	2	NSR	4	NSR	5	NSR
Other Transport	2	NSR	1	NSR	2	NSR	4	NSR	2	NSR	2	NSR	1	NSR	0	NSR	1	NSR
Firearm	2	NSR	2	NSR	2	NSR	3	NSR	2	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Drowning	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR	1	NSR
Suffocation	29	7.5	37	8.6	53	12.9	63	17.6	76	26.2	85	38.7	66	36.1	117	69.3	200	98.0
Fire/Flames	21	5.4	18	4.2	18	4.4	12	3.4	7	NSR	13	5.9	10	5.5	11	6.5	16	7.8
Hot Object/Scald	15	3.9	21	4.9	14	3.4	17	4.7	11	3.8	13	5.9	12	6.6	21	12.4	27	13.2
Cut/Pierce	54	14.0	42	9.8	59	14.3	30	8.4	16	5.5	13	5.9	13	7.1	19	11.3	12	5.9
Struck By/Against	46	11.9	61	14.2	62	15.0	55	15.4	70	24.2	59	26.8	87	47.6	94	55.7	194	95.1
Machinery	4	NSR	5	NSR	6	NSR	4	NSR	1	NSR	2	NSR	0	NSR	1	NSR	4	NSR
Overexertion	41	10.6	46	10.7	53	12.9	59	16.5	71	24.5	64	29.1	84	46.0	84	49.8	115	56.4
Nat/Env. Causes	116	30.0	120	27.9	126	30.6	116	32.4	91	31.4	89	40.5	89	48.7	102	60.4	134	65.7
→ Bites and Stings	91	23.5	96	22.4	108	26.2	87	24.3	64	22.1	59	26.8	60	32.8	53	31.4	55	27.0
Other Spec./NEC	230	59.5	264	61.5	294	71.3	281	78.5	324	111.8	327	148.8	319	174.5	371	219.8	693	339.6
Unspecified	174	45.0	250	58.2	244	59.2	294	82.1	341	117.7	354	161.1	416	227.6	500	296.2	1,034	506.7
<b>Total: All Mechanisms</b>	<b>2,317</b>	<b>599.5</b>	<b>2,928</b>	<b>681.7</b>	<b>3,180</b>	<b>771.4</b>	<b>3,313</b>	<b>925.5</b>	<b>3,719</b>	<b>1,283.2</b>	<b>4,111</b>	<b>1,870.7</b>	<b>5,541</b>	<b>3,031.3</b>	<b>7,935</b>	<b>4,701.1</b>	<b>16,618</b>	<b>8,143.2</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: BLACK MALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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								
<b>Fall</b>	65	117.8	53	97.7	40	70.6	57	88.1	64	95.3	61	119.3	63	134.8	76	182.1	111	241.3
→ On same level	5	NSR	12	22.1	17	30.0	20	30.9	15	22.3	13	25.4	6	NSR	20	47.9	17	37.0
→ One level to another	46	83.4	29	53.4	15	26.5	16	24.7	18	26.8	26	50.9	29	62.0	31	74.3	31	67.4
→ Unspecified	14	25.4	12	22.1	8	NSR	21	32.5	31	46.1	22	43.0	28	59.9	25	59.9	63	136.9
<b>Poisoning</b>	35	63.4	7	NSR	12	21.2	37	57.2	77	114.6	58	113.5	88	188.2	95	227.6	167	363.0
→ Drug	25	45.3	6	NSR	8	NSR	31	47.9	67	99.7	50	97.8	73	156.1	87	208.4	159	345.6
→ Non-Drug	10	18.1	1	NSR	4	NSR	6	NSR	10	14.9	8	NSR	15	32.1	8	NSR	8	NSR
<b>Motor Vehicle Traffic</b>	31	56.2	45	82.9	40	70.6	77	119.0	110	163.7	86	168.2	70	149.7	54	129.4	70	152.2
→ MVT Occupant	13	23.6	8	NSR	8	NSR	44	68.0	71	105.7	43	84.1	39	83.4	26	62.3	41	89.1
→ MVT Motorcyclist	0	NSR	1	NSR	1	NSR	8	NSR	19	28.3	25	48.9	9	NSR	14	33.5	17	37.0
→ MVT Pedal Cyclist	0	NSR	7	NSR	9	NSR	8	NSR	10	14.9	1	NSR	3	NSR	1	NSR	2	NSR
→ MVT Pedestrian	18	32.6	29	53.4	20	35.3	16	24.7	6	NSR	13	25.4	16	34.2	10	24.0	7	NSR
→ MVT Other	0	NSR	0	NSR	2	NSR	0	NSR	1	NSR	1	NSR	0	NSR	1	NSR	0	NSR
→ MVT Unspecified	0	NSR	0	NSR	0	NSR	1	NSR	3	NSR	3	NSR	3	NSR	2	NSR	3	NSR
All Pedal Cyclist	1	NSR	6	NSR	8	NSR	5	NSR	6	NSR	2	NSR	4	NSR	3	NSR	3	NSR
All Pedestrian	0	NSR	2	NSR	2	NSR	0	NSR	0	NSR	1	NSR	0	NSR	4	NSR	0	NSR
Other Transport	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR								
Firearm	2	NSR	2	NSR	10	17.6	166	256.6	290	431.6	153	299.3	97	207.5	49	117.4	34	73.9
Drowning	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR
Suffocation	2	NSR	1	NSR	2	NSR	5	NSR	1	NSR	5	NSR	4	NSR	5	NSR	3	NSR
Fire/Flames	6	NSR	2	NSR	1	NSR	1	NSR	3	NSR	3	NSR	3	NSR	7	NSR	4	NSR
Hot Object/Scald	28	50.8	4	NSR	1	NSR	6	NSR	4	NSR	6	NSR	5	NSR	2	NSR	13	28.3
Cut/Pierce	2	NSR	5	NSR	4	NSR	30	46.4	62	92.3	46	90.0	41	87.7	43	103.0	29	63.0
Struck By/Against	11	19.9	8	NSR	37	65.3	65	100.5	89	132.5	82	160.4	58	124.1	55	131.8	60	130.4
Machinery	0	NSR	0	NSR	1	NSR	0	NSR	3	NSR	3	NSR	3	NSR	3	NSR	2	NSR
Overexertion	1	NSR	0	NSR	4	NSR	6	NSR	9	NSR	8	NSR	9	NSR	4	NSR	18	39.1
Nat/Env. Causes	21	38.1	14	25.8	5	NSR	9	NSR	13	19.3	8	NSR	6	NSR	10	24.0	13	28.3
→ Bites and Stings	17	30.8	14	25.8	5	NSR	5	NSR	8	NSR	6	NSR	3	NSR	4	NSR	8	NSR
Other Spec./NEC	28	50.8	19	35.0	28	49.4	49	75.7	110	163.7	111	217.1	146	312.3	88	210.8	109	236.9
Unspecified	13	23.6	1	NSR	14	24.7	19	29.4	43	64.0	47	91.9	55	117.6	53	127.0	74	160.9
<b>Total: All Mechanisms</b>	<b>248</b>	<b>449.5</b>	<b>170</b>	<b>313.3</b>	<b>212</b>	<b>374.0</b>	<b>541</b>	<b>836.3</b>	<b>892</b>	<b>1,327.7</b>	<b>682</b>	<b>1,334.1</b>	<b>654</b>	<b>1,398.9</b>	<b>554</b>	<b>1,327.3</b>	<b>716</b>	<b>1,556.4</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: BLACK MALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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																
<b>Fall</b>	175	375.5	222	486.8	232	590.7	223	757.3	161	822.5	144	1,074.6	134	1,410.5	129	2,064.7	162	3,228.4
→ On same level	38	81.5	45	98.7	31	78.9	44	149.4	24	122.6	36	268.7	31	326.3	30	480.2	42	837.0
→ One level to another	60	128.7	77	168.9	85	216.4	80	271.7	34	173.7	46	343.3	30	315.8	29	464.1	43	856.9
→ Unspecified	77	165.2	100	219.3	116	295.3	99	336.2	103	526.2	62	462.7	73	768.4	70	1,120.4	77	1,534.5
<b>Poisoning</b>	201	431.3	242	530.7	198	504.1	126	427.9	48	245.2	26	194.0	10	105.3	12	192.1	8	NSR
→ Drug	173	371.2	221	484.6	172	437.9	109	370.2	41	209.5	22	164.2	6	NSR	10	160.1	8	NSR
→ Non-Drug	28	60.1	21	46.1	26	66.2	17	57.7	7	NSR	4	NSR	4	NSR	2	NSR	0	NSR
<b>Motor Vehicle Traffic</b>	69	148.1	61	133.8	53	134.9	38	129.0	23	117.5	16	119.4	10	105.3	7	NSR	6	NSR
→ MVT Occupant	33	70.8	34	74.6	25	63.7	23	78.1	11	56.2	12	89.6	8	NSR	5	NSR	5	NSR
→ MVT Motorcyclist	10	21.5	3	NSR	5	NSR	1	NSR	0	NSR	1	NSR	1	NSR	0	NSR	0	NSR
→ MVT Pedal Cyclist	3	NSR	3	NSR	6	NSR	1	NSR	1	NSR	0	NSR	0	NSR	0	NSR	1	NSR
→ MVT Pedestrian	21	45.1	18	39.5	14	35.6	12	40.8	8	NSR	2	NSR	0	NSR	2	NSR	0	NSR
→ MVT Other	0	NSR	1	NSR	1	NSR	0	NSR	2	NSR	0	NSR	1	NSR	0	NSR	0	NSR
→ MVT Unspecified	2	NSR	2	NSR	2	NSR	1	NSR	1	NSR	1	NSR	0	NSR	0	NSR	0	NSR
All Pedal Cyclist	2	NSR	3	NSR	7	NSR	2	NSR	2	NSR	1	NSR	0	NSR	0	NSR	1	NSR
All Pedestrian	0	NSR																
Other Transport	0	NSR	1	NSR	0	NSR												
Firearm	21	45.1	20	43.9	12	30.6	2	NSR	2	NSR	1	NSR	1	NSR	2	NSR	0	NSR
Drowning	0	NSR																
Suffocation	4	NSR	6	NSR	11	28.0	11	37.4	20	102.2	6	NSR	3	NSR	5	NSR	4	NSR
Fire/Flames	3	NSR	9	NSR	6	NSR	9	NSR	7	NSR	2	NSR	0	NSR	1	NSR	1	NSR
Hot Object/Scald	7	NSR	7	NSR	17	43.3	5	NSR	4	NSR	2	NSR	1	NSR	1	NSR	1	NSR
Cut/Pierce	32	68.7	35	76.8	21	53.5	7	NSR	4	NSR	1	NSR	1	NSR	0	NSR	2	NSR
Struck By/Against	86	184.5	67	146.9	53	134.9	21	71.3	7	NSR	7	NSR	4	NSR	6	NSR	3	NSR
Machinery	4	NSR	4	NSR	3	NSR	2	NSR	0	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Overexertion	11	23.6	7	NSR	5	NSR	8	NSR	4	NSR	2	NSR	2	NSR	1	NSR	0	NSR
Nat/Env. Causes	28	60.1	27	59.2	34	86.6	14	47.5	8	NSR	5	NSR	8	NSR	11	176.1	6	NSR
→ Bites and Stings	14	30.0	15	32.9	10	25.5	3	NSR	0	NSR	1	NSR	2	NSR	0	NSR	2	NSR
Other Spec./NEC	125	268.2	136	298.2	103	262.2	83	281.9	44	224.8	33	246.3	32	336.8	20	320.1	18	358.7
Unspecified	97	208.1	106	232.4	93	236.8	57	193.6	56	286.1	48	358.2	36	378.9	36	576.2	38	757.3
<b>Total: All Mechanisms</b>	<b>869</b>	<b>1,864.6</b>	<b>958</b>	<b>2,100.8</b>	<b>850</b>	<b>2,164.2</b>	<b>609</b>	<b>2,068.1</b>	<b>390</b>	<b>1,992.3</b>	<b>297</b>	<b>2,216.4</b>	<b>242</b>	<b>2,547.4</b>	<b>231</b>	<b>3,697.2</b>	<b>251</b>	<b>5,002.0</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: BLACK FEMALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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																
<b>Fall</b>	42	78.4	31	58.4	22	40.9	32	52.4	55	82.9	54	102.4	60	119.9	56	124.0	61	122.3
→ On same level	4	NSR	3	NSR	8	NSR	16	26.2	8	NSR	13	24.7	15	30.0	12	26.6	6	NSR
→ One level to another	32	59.7	20	37.7	8	NSR	9	NSR	29	43.7	17	32.2	24	47.9	20	44.3	30	60.2
→ Unspecified	6	NSR	8	NSR	6	NSR	7	NSR	18	27.1	24	45.5	21	42.0	24	53.1	25	50.1
<b>Poisoning</b>	32	59.7	12	22.6	24	44.6	67	109.7	75	113.1	58	110.0	87	173.8	84	186.0	141	282.7
→ Drug	27	50.4	10	18.9	21	39.1	62	101.5	67	101.0	55	104.3	73	145.8	81	179.3	128	256.7
→ Non-Drug	5	NSR	2	NSR	3	NSR	5	NSR	8	NSR	3	NSR	14	28.0	3	NSR	13	26.1
<b>Motor Vehicle Traffic</b>	6	NSR	19	35.8	13	24.2	47	76.9	64	96.5	45	85.3	52	103.9	31	68.6	35	70.2
→ MVT Occupant	4	NSR	6	NSR	5	NSR	32	52.4	49	73.9	35	66.4	38	75.9	21	46.5	23	46.1
→ MVT Motorcyclist	0	NSR	0	NSR	0	NSR	0	NSR	5	NSR	1	NSR	1	NSR	2	NSR	0	NSR
→ MVT Pedal Cyclist	0	NSR	0	NSR	2	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR
→ MVT Pedestrian	2	NSR	12	22.6	6	NSR	12	19.6	9	NSR	7	NSR	9	NSR	7	NSR	9	NSR
→ MVT Other	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR
→ MVT Unspecified	0	NSR	0	NSR	0	NSR	3	NSR	1	NSR	1	NSR	3	NSR	1	NSR	3	NSR
All Pedal Cyclist	1	NSR	4	NSR	3	NSR	1	NSR	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR
All Pedestrian	0	NSR	1	NSR	0	NSR	0	NSR	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Other Transport	0	NSR																
Firearm	0	NSR	1	NSR	4	NSR	11	18.0	18	27.1	6	NSR	7	NSR	5	NSR	5	NSR
Drowning	0	NSR																
Suffocation	1	NSR	1	NSR	2	NSR	4	NSR	4	NSR	6	NSR	6	NSR	5	NSR	9	NSR
Fire/Flames	3	NSR	4	NSR	0	NSR	0	NSR	1	NSR	3	NSR	4	NSR	4	NSR	3	NSR
Hot Object/Scald	16	29.9	4	NSR	6	NSR	0	NSR	3	NSR	7	NSR	4	NSR	2	NSR	6	NSR
Cut/Pierce	5	NSR	2	NSR	3	NSR	16	26.2	22	33.2	19	36.0	14	28.0	6	NSR	9	NSR
Struck By/Against	6	NSR	7	NSR	7	NSR	14	22.9	30	45.2	35	66.4	16	32.0	9	NSR	18	36.1
Machinery	0	NSR	1	NSR	0	NSR	0	NSR										
Overexertion	0	NSR	0	NSR	0	NSR	2	NSR	6	NSR	6	NSR	4	NSR	6	NSR	5	NSR
Nat/Env. Causes	12	22.4	12	22.6	2	NSR	8	NSR	11	16.6	9	NSR	12	24.0	13	28.8	7	NSR
→ Bites and Stings	10	18.7	11	20.7	2	NSR	6	NSR	9	NSR	6	NSR	9	NSR	11	24.4	5	NSR
Other Spec./NEC	25	46.7	9	NSR	12	22.3	22	36.0	38	57.3	47	89.1	37	73.9	37	81.9	48	96.3
Unspecified	10	18.7	3	NSR	10	18.6	11	18.0	25	37.7	23	43.6	24	47.9	29	64.2	39	78.2
<b>Total: All Mechanisms</b>	<b>159</b>	<b>296.9</b>	<b>111</b>	<b>209.2</b>	<b>108</b>	<b>200.9</b>	<b>235</b>	<b>384.7</b>	<b>359</b>	<b>541.2</b>	<b>319</b>	<b>605.0</b>	<b>329</b>	<b>657.3</b>	<b>287</b>	<b>635.4</b>	<b>387</b>	<b>776.0</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

## INJURY HOSPITALIZATION RATES: BLACK FEMALES

### NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2012

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
<b>Fall</b>	119	231.1	143	276.6	190	417.8	177	475.3	151	570.0	142	717.3	225	1,430.7	240	1,941.0	438	3,416.3
→ On same level	31	60.2	40	77.4	40	88.0	39	104.7	39	147.2	30	151.5	72	457.8	60	485.2	113	881.4
→ One level to another	27	52.4	45	87.1	67	147.3	51	137.0	50	188.7	42	212.2	60	381.5	62	501.4	92	717.6
→ Unspecified	61	118.5	58	112.2	83	182.5	87	233.6	62	234.0	70	353.6	93	591.3	118	954.3	233	1,817.3
<b>Poisoning</b>	136	264.1	165	319.2	117	257.3	74	198.7	47	177.4	19	96.0	17	108.1	14	113.2	14	109.2
→ Drug	125	242.8	152	294.0	105	230.9	70	188.0	42	158.5	16	80.8	16	101.7	13	105.1	14	109.2
→ Non-Drug	11	21.4	13	25.1	12	26.4	4	NSR	5	NSR	3	NSR	1	NSR	1	NSR	0	NSR
<b>Motor Vehicle Traffic</b>	35	68.0	30	58.0	20	44.0	21	56.4	20	75.5	12	60.6	19	120.8	11	89.0	5	NSR
→ MVT Occupant	18	35.0	16	31.0	12	26.4	14	37.6	16	60.4	8	NSR	14	89.0	3	NSR	2	NSR
→ MVT Motorcyclist	3	NSR	1	NSR	1	NSR	1	NSR	0	NSR								
→ MVT Pedal Cyclist	0	NSR	1	NSR	0	NSR												
→ MVT Pedestrian	11	21.4	9	NSR	6	NSR	6	NSR	4	NSR	3	NSR	5	NSR	3	NSR	2	NSR
→ MVT Other	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	3	NSR	0	NSR
→ MVT Unspecified	3	NSR	3	NSR	1	NSR	0	NSR	0	NSR	1	NSR	0	NSR	2	NSR	1	NSR
All Pedal Cyclist	2	NSR	1	NSR	0	NSR	1	NSR	0	NSR								
All Pedestrian	1	NSR	0	NSR	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Other Transport	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Firearm	2	NSR	1	NSR	1	NSR	1	NSR	0	NSR								
Drowning	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Suffocation	6	NSR	4	NSR	8	NSR	12	32.2	9	NSR	8	NSR	13	82.7	6	NSR	15	117.0
Fire/Flames	4	NSR	5	NSR	3	NSR	7	NSR	3	NSR	1	NSR	1	NSR	2	NSR	1	NSR
Hot Object/Scald	10	19.4	5	NSR	7	NSR	4	NSR	1	NSR	4	NSR	2	NSR	2	NSR	2	NSR
Cut/Pierce	8	NSR	10	19.3	0	NSR	3	NSR	1	NSR	0	NSR	1	NSR	1	NSR	1	NSR
Struck By/Against	15	29.1	15	29.0	7	NSR	7	NSR	3	NSR	8	NSR	3	NSR	5	NSR	8	NSR
Machinery	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Overexertion	1	NSR	5	NSR	7	NSR	2	NSR	5	NSR	4	NSR	3	NSR	2	NSR	1	NSR
Nat/Env. Causes	16	31.1	17	32.9	16	35.2	11	29.5	5	NSR	4	NSR	12	76.3	9	NSR	24	187.2
→ Bites and Stings	13	25.2	11	21.3	10	22.0	5	NSR	3	NSR	0	NSR	1	NSR	3	NSR	1	NSR
Other Spec./NEC	49	95.2	65	125.7	48	105.6	40	107.4	29	109.5	23	116.2	30	190.8	20	161.7	45	351.0
Unspecified	55	106.8	56	108.3	53	116.6	55	147.7	50	188.7	46	232.4	39	248.0	50	404.4	54	421.2
<b>Total: All Mechanisms</b>	<b>460</b>	<b>893.4</b>	<b>523</b>	<b>1,011.7</b>	<b>478</b>	<b>1,051.2</b>	<b>417</b>	<b>1,119.8</b>	<b>325</b>	<b>1,226.7</b>	<b>272</b>	<b>1,374.0</b>	<b>365</b>	<b>2,320.8</b>	<b>363</b>	<b>2,935.7</b>	<b>609</b>	<b>4,750.0</b>

NOTES: Data based on ICD-9-CM codes. Age-specific rates based on less than 10 events are unreliable and were not calculated but coded "NSR". See Technical Notes.

# Technical Notes

## INJURY DEATHS

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### Data Source

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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 2012 death certificates was March 1, 2013. Data pertaining to a 2012 death for which a certificate was filed after the March 1, 2013 deadline may not be 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 Division of Health Informatics may differ slightly from the data that 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.

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### Data Quality

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

A query program is a system used to follow back with hospital personnel, funeral directors and physicians concerning incomplete or conflicting information reported on the certificate. The follow-back contact is usually done by telephone and is based on both manual and computer editing procedures. The field program attempts to improve death certificate information by educating the participants in the death registration system of the uses and importance of mortality data. The field program completes this mission by conducting seminars with various associations representing the types of persons mentioned above. In addition to regularly scheduled seminars, the field representatives make site visits when problems with registration relating to a particular area or institution are discovered.

The National Center for Health Statistics (NCHS) monitors Pennsylvania's coding of statistical data on death certificates. A 0.5 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.

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## **Data Confidentiality**

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The confidentiality of death certificates is strictly maintained by the Bureau of Health Statistics and Registries. 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.

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## **Injury Cause Definitions**

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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.

<u>INJURY CAUSE</u>	<u>ICD-10 CODES</u>
All Fatal Injuries	V01-Y36, Y85-Y87, Y89, U01-U03
Unintentional Injuries	V01-X59, Y85-Y86
Motor Vehicle Traffic	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
Unintentional Falls	W00-W19
Poisoning	X40-X49, X60-X69, X85-X90, Y10-Y19, Y35.2, U01 (.6,.7)
Firearm-related	W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0, U01.4
Suicide	X60-X84, Y87.0, U03
Homicide	X85-X99, Y00-Y09, Y87.1, U01-U02

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## **Leading Causes of Injury Death: ICD-10 Codes**

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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

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## Source of Data

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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](http://www.phc4.org) for more information.

The hospitalization injury data set used in this report is a subset 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

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## Data Confidentiality

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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](http://www.phc4.org) for more information.

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## Data Quality

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The responsibility for hospital data quality testing and editing lies with PHC4. Please contact PHC4 at [www.phc4.org](http://www.phc4.org) for more information.

Some of the limitations to consider when interpreting hospitalization data include:

- The consistency with which E-codes are used and assigned may vary among hospitals.
- There is variation in the specificity among E-codes and the use of non-specific E-codes.
- There is a 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. This situation likely results in substantial under reporting of “intentional” injuries.
- There is the possibility of double counting some cases because re-admissions and transfers were not removed. This could happen, for example, 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.

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## Injury Cause Definitions

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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.

<u>INJURY CAUSE</u>	<u>ICD-9-CM CODES</u>
All Injuries	See ‘Source of Data’ above. Full PHC4 dataset included.
Unintentional Injuries	E800-E869, E880-E929
Motor Vehicle Traffic	E810-E819
Unintentional Falls	E880-E886, E888
Poisoning	E850-E869, E950-E952, E962, E972, E980-E982, E979 (.6, .7)
Self-Poisoning	E950-E952
All Self-Inflicted	E950-E959
All Assault	E960-E969, E979, E999.1

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## **Leading Causes of Injury Hospitalization: ICD-9-CM Codes**

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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

# POPULATION NUMBERS

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## Source of Data

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Population estimates for the years 2008-2012 used to compute rates were produced jointly by the United States Bureau of the Census and the State Data Center of the Pennsylvania State University at Harrisburg under the Federal-State Cooperative Program for Local Population Estimates. They are generated by a combination of a component procedure, which uses administrative records, and a regression method.

The population data used to develop this information is available via the Pennsylvania Department of Health's Enterprise Data Dissemination Informatics Exchange (EDDIE) system, which can be accessed through the Pennsylvania Department of Health, Bureau of Health Statistics website at [www.health.state.pa.us/stats/](http://www.health.state.pa.us/stats/).

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## Urban/Rural Definitions

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Definitions of urban and rural used in this report are taken from the Center for Rural Pennsylvania, [www.rural.palegislature.us](http://www.rural.palegislature.us). Definitions are based on population density and are applied at the county level. If a county has a population density greater than 284 persons per square mile (the population density of Pennsylvania as of the 2010 Census), then the county is classified as urban. If a county has a population density less than 284 persons per square mile, then the county is classified as rural. The below map illustrates which counties are considered urban and rural based on this definition.

### PENNSYLVANIA COUNTIES BY URBAN AND RURAL STATUS



## CALCULATING AND COMPARING RATES

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### Definitions

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#### 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

All Ages	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

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## Reliability of Rates

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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*’.

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## Calculating Average Annual Rates

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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  $i^{\text{th}}$  year of the multi-year period
- $p_i$  = population estimate (or Census count) in the  $i^{\text{th}}$  year of the multi-year period
- $n$  = number of years in the multi-year period

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**Example: Calculating Average Annual Rates**

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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.

$$\frac{\sum_{i=1}^3 k_i}{\sum_{i=1}^3 p_i} \times 100,000 = \frac{58}{102,056} \times 100,000 = 57 \text{ deaths per } 100,000 \text{ per year}$$

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## Comparing Age-Adjusted Rates

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

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

Where:

R = age-adjusted rate

N = number of deaths

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:

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

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  $14.7 \pm 0.30$ . 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.

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**Example: Comparing Age-Adjusted Rates**

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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**

<b>County</b>	<b>Count</b>	<b>Rate</b>	<b>CI</b>
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 "not statistically reliable" (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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