Injury Deaths and Hospitalizations in Pennsylvania 2010-2014

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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 2014, unintentional injury was the leading cause of death among children and adults ages 1 through 49. There were 6,541 unintentional injury deaths reported in Pennsylvania in 2014, accounting for 72 percent of all injury deaths. Overall, unintentional injury death rates increased by 14.8 percent from 39.9 deaths per 100,000 population in 2010 to 45.8 deaths per 100,000 population in 2014.

Although unintentional injuries account for the majority of the injury burden, a substantial number of deaths – especially among males – were intentional (comprising suicide and homicide). During 2010 to 2014, intentional injuries ranked second as the leading cause of death among Pennsylvanians under 20 years of age. Homicide by firearms was the leading cause of death among blacks, especially black males, during 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, during 2010 to 2014.

Mortality statistics alone do not convey the full impact of injury. In 2014, Pennsylvania hospitals reported 129,368 discharges of residents with injury-related admissions, corresponding to an average of 354 discharged persons per day. Almost half of all injury hospitalizations were to the elderly, age 70 and older, highlighting the prevalence of injuries, especially falls, among this group. Total charges for hospitalized injury discharges in Pennsylvania in 2014 exceeded $8.30 billion. Over half of these charges ($4.49 billion) were billed to Medicare.

Every 4 minutes, a Pennsylvania resident entered hospital care due to a preventable injury in 2014. The leading causes of hospitalized injury in 2014 were falls, poisonings and motor vehicle accidents. Over 89 percent of hospitalized injuries were reported as unintentional. One group with very high injury hospitalization rates were persons aged 85 and older. Overall, injury hospitalization rates decreased by 12 percent from 975.1 hospitalizations per 100,000 population in 2010 to 857.0 hospitalizations per 100,000 population in 2014.

2010-2014 COMBINED INJURY REPORT

This report describes Pennsylvania's injury burden from 2010 to 2014, using vital statistics from Pennsylvania Vital Records and Hospital Discharge Data (HDD) compiled by the Pennsylvania Health Care Cost Containment Council (PHC4).

Readers and users of this report should use caution when interpreting many of the findings in it 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 (VIPP) 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 the 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
2010-2014

INJURY DEATHS: ALL INJURIES

In 2014, among Pennsylvania residents, there were 9,103 deaths due to injury.
On average, one resident died every 58 minutes.

Injury Definition

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

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

Most injury deaths in Pa. are unintentional.

HIGHLIGHTS

- Age-adjusted rates generally **increased** from 2010 to 2014.
- Most common demographic is **white females**, ages 85 and older.
- Of all Pennsylvania counties, **Sullivan** had the highest rate of over 100.

Trends Over Time

- Age-adjusted injury death rates increased by 7 percent from 58.4 injury deaths per 100,000 population in 2010 to 62.6 injury deaths per 100,000 population in 2011. The rate then decreased marginally by 0.5 percent to 62.3 in 2012. Thereafter, rates increased by 5 percent to 65.2 deaths per 100,000 population in 2014.
- Males had higher age-adjusted injury death rates than females from 2010 to 2014 (2014 rates were 92.7 for males and 39.5 for females). White males accounted for over half of all injury deaths in 2010 to 2014
- Overall, rural populations had higher age-adjusted injury death rates than urban populations during 2010 to 2014.

Demographic Trends

- Males had significantly higher age-adjusted injury death rates than females for all age groups during 2010 to 2014.
- Among males, blacks had significantly higher injury death rates for ages under 45 and ages 55-64, while whites had significantly higher rates for ages 75 and older.
- Among females, blacks had significantly higher injury death rates for ages under 20 and ages 55-64 where rates could be calculated, while whites had significantly higher injury death rates for ages 20-39 and ages 75 and older.

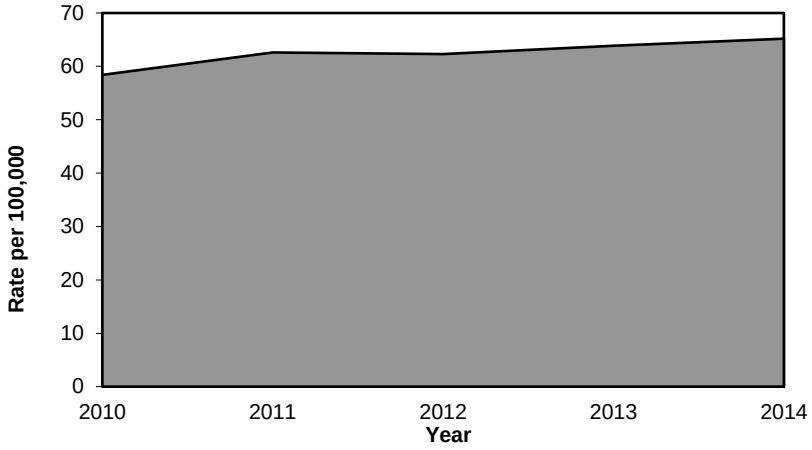
Regional Trends

- The Southwest Health District had the highest age-adjusted injury death rate, while the North-Central Health District had the lowest age-adjusted injury death rate. However, other districts had high rates for certain age groups.
- Twenty counties had age-adjusted injury death rates for 2010 to 2014 that were significantly higher than the comparable state rate. The majority of these were rural counties.

INJURY DEATHS: ALL INJURIES

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES, PENNSYLVANIA RESIDENTS, 2010-2014

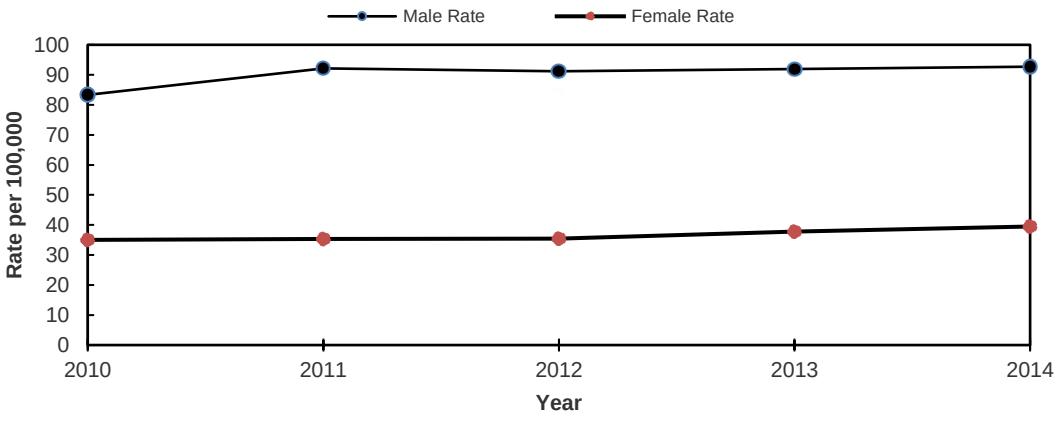
Year	No.	Rate
2010	8,001	58.4
2011	8,618	62.6
2012	8,617	62.3
2013	8,862	63.8
2014	9,103	65.2



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

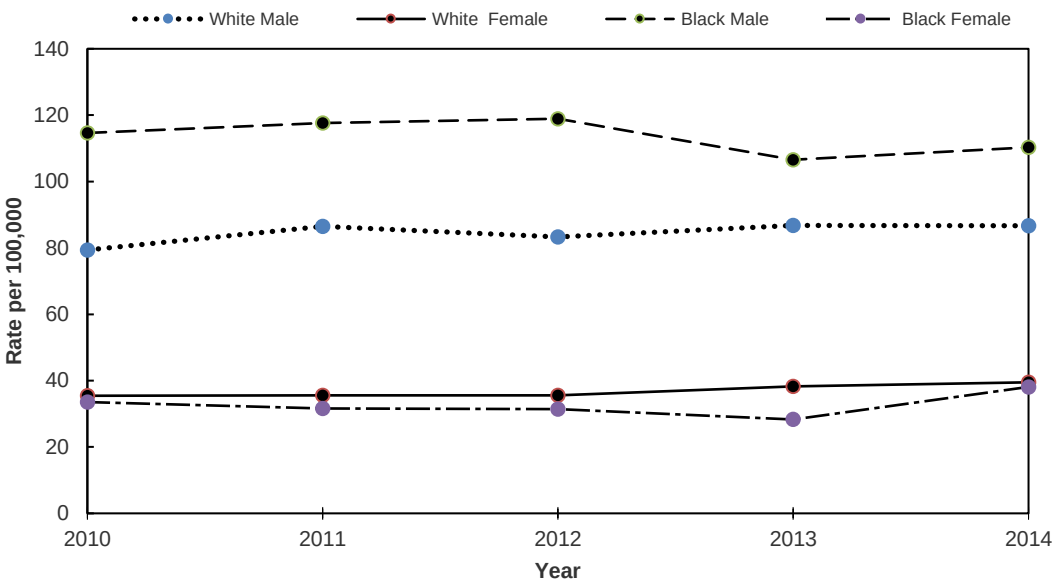
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	5,272	83.3	2010	2,728	35.0
2011	5,875	92.2	2011	2,743	35.3
2012	5,841	91.2	2012	2,775	35.5
2013	5,928	92.0	2013	2,934	37.8
2014	6,025	92.7	2014	3,078	39.5



INJURY DEATHS: ALL INJURIES

TOTAL NUMBER OF INJURY DEATHS AND DEATH RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates				
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	4,251	2,377	763	241	2010	79.4	35.4	114.6	33.5
2011	4,758	2,418	802	235	2011	86.5	35.6	117.6	31.6
2012	4,612	2,428	825	238	2012	83.3	35.6	118.9	31.4
2013	4,815	2,588	738	214	2013	86.8	38.3	106.6	28.3
2014	4,838	2,656	772	291	2014	86.7	39.5	110.3	38.1



AGE-ADJUSTED DEATH RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	82.7	85.0	33.5	39.3
2011	92.4	91.8	34.2	38.5
2012	91.8	89.1	34.2	38.7
2013	90.6	96.0	36.3	42.0
2014	93.7	89.9	38.2	43.1

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

INJURY DEATHS: ALL INJURIES

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**43,201**	**67.7**	**28,941**	**93.0**	**14,258**	**43.7**		**30,944**	**66.6**	**12,257**	**70.9**	
< 5	307	8.5	183	9.9	123	7.0	*	217	8.0	90	10.2	*
5-9	156	4.2	99	5.2	57	3.1	*	95	3.4	61	6.4	*
10-14	221	5.7	151	7.6	70	3.7	*	140	4.9	81	7.9	*
15-19	1,824	42.0	1,383	62.4	441	20.8	*	1,283	40.7	541	45.6	*
20-24	3,371	76.7	2,717	122.0	654	30.2	*	2,510	79.0	861	70.5	*
25-29	3,243	79.8	2,465	120.0	778	38.7	*	2,448	78.4	795	84.4	
30-34	2,886	75.5	2,169	113.2	716	37.6	*	2,125	73.5	761	81.6	*
35-39	2,602	71.2	1,893	104.0	709	38.7	*	1,859	68.9	743	77.6	*
40-44	2,962	71.7	2,075	101.2	887	42.7	*	2,126	70.5	836	75.0	
45-49	3,464	76.6	2,390	107.2	1,074	46.9	*	2,523	76.8	941	76.3	
50-54	3,772	77.6	2,642	110.6	1,130	45.7	*	2,739	77.8	1,033	77.0	
55-59	3,059	66.5	2,166	96.4	893	38.0	*	2,218	67.3	841	64.6	
60-64	2,192	55.6	1,613	84.8	579	28.4	*	1,545	55.3	647	56.4	
65-69	1,684	55.5	1,136	79.5	548	34.2	*	1,121	52.9	563	61.7	*
70-74	1,568	69.0	1,020	98.9	548	44.1	*	1,022	65.0	546	77.9	*
75-79	1,778	99.0	1,090	141.3	688	67.1	*	1,215	97.0	563	103.7	
80-84	2,460	163.6	1,370	231.0	1,090	119.7	*	1,688	158.2	772	176.8	*
85 +	5,652	352.2	2,379	463.0	3,273	300.0	*	4,070	351.4	1,582	354.3	

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

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.
Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: ALL INJURIES

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**23,274**	**89.8**	**3,900**	**112.5**		**12,467**	**46.1**	**1,219**	**32.4**	
< 5	107	7.8	56	20.3	*	79	6.0	34	12.7	*
5-9	62	4.2	23	8.6	*	42	3.0	8	NSR	
10-14	92	5.9	32	11.5	*	47	3.2	13	4.9	*
15-19	836	48.1	392	121.5	*	310	18.6	75	24.6	*
20-24	1,790	102.7	685	209.3	*	520	30.7	80	24.9	*
25-29	1,810	109.7	435	168.7	*	642	40.3	95	35.7	*
30-34	1,624	104.9	359	155.4	*	592	39.1	81	32.9	*
35-39	1,400	94.3	319	151.3	*	587	39.8	80	35.1	*
40-44	1,654	96.6	264	116.9	*	736	43.0	105	42.8	
45-49	1,998	105.1	265	114.4		919	47.6	106	41.6	
50-54	2,242	107.9	274	120.8		970	45.6	121	47.1	
55-59	1,793	90.3	282	145.4	*	776	37.9	98	43.4	*
60-64	1,361	80.0	186	127.2	*	496	27.7	61	33.2	*
65-69	1,008	78.0	83	84.6		489	34.2	46	34.6	
70-74	912	97.3	74	109.2		481	43.3	46	46.1	
75-79	1,005	142.1	57	120.1	*	613	66.2	42	53.2	*
80-84	1,296	234.4	51	163.8	*	1,017	121.7	47	76.7	*
85 +	2,284	473.4	63	251.4	*	3,151	310.2	81	126.3	*

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

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

INJURY DEATHS: ALL INJURIES

TOTAL NUMBER OF INJURY DEATHS BY SEX, AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**5,342**	**61.7**	**60.0-63.4**		**3,574**	**91.0**	**1,767**	**43.4**
Carbon	275	81.0	71.5-90.6	+	173	107.8	102	62.1
Lackawanna	734	63.6	59.0-68.2		483	93.6	251	45.3
Lehigh	1,171	60.4	57.0-63.9		773	89.8	397	43.6
Luzerne	1,111	64.4	60.6-68.2		749	95.3	362	44.4
Monroe	524	62.0	56.7-67.3		375	90.3	149	34.9
Northampton	847	50.2	46.9-53.6	-	559	76.3	288	37.7
Pike	175	58.7	50.0-67.4		114	80.3	61	43.0
Susquehanna	187	89.0	76.2-101.7	+	130	121.0	57	53.8
Wayne	210	71.8	62.1-81.5		144	104.8	66	53.5
Wyoming	108	80.7	65.4-95.9	+	74	104.7	34	48.4
North-Central	**2,063**	**53.3**	**51.0-55.6**	**-**	**1,353**	**76.4**	**710**	**40.5**
Bradford	231	68.5	59.7-77.3		160	103.6	71	44.9
Centre	294	38.4	34.0-42.8	-	194	47.9	100	26.8
Clinton	118	57.9	47.5-68.4		88	90.9	30	29.8
Columbia	208	59.2	51.2-67.3		127	78.7	81	46.5
Lycoming	351	55.2	49.4-60.9	-	238	83.1	113	38.1
Montour	69	59.1	45.2-73.1		34	77.0	35	73.0
Northumberland	323	62.0	55.2-68.8		203	86.0	120	50.9
Potter	63	65.8	49.5-82.0		39	89.3	24	55.2
Snyder	109	49.0	39.8-58.2	-	69	70.2	40	39.6
Sullivan	43	120.8	84.7-157.0	+	26	156.7	17	NSR
Tioga	154	69.0	58.1-79.9		113	108.3	41	38.2
Union	100	37.4	30.1-44.7	-	62	50.2	38	37.7
Northwest	**3,243**	**65.6**	**63.4-67.9**	**+**	**2,180**	**95.3**	**1,063**	**45.7**
Cameron	25	77.9	47.4-108.5		8	65.7	17	NSR
Clarion	137	68.2	56.8-79.7		102	106.1	35	34.5
Clearfield	286	61.8	54.7-69.0		193	91.5	93	47.5
Crawford	316	69.1	61.5-76.7		228	106.1	88	39.1
Elk	154	93.0	78.3-107.7	+	101	128.2	53	67.0
Erie	871	60.2	56.2-64.2		577	83.6	294	41.3
Forest	37	94.6	64.1-125.1		25	97.8	12	NSR
Jefferson	160	66.0	55.8-76.2		121	108.8	39	34.4
Lawrence	365	73.6	66.1-81.2	+	245	113.0	120	51.5
McKean	136	59.0	49.1-68.9		88	80.0	48	45.5
Mercer	404	64.9	58.6-71.2		265	93.3	139	47.2
Venango	218	73.5	63.8-83.3	+	133	99.9	85	61.5
Warren	134	56.1	46.6-65.6		94	91.3	40	38.8
Southeast	**16,889**	**61.9**	**60.9-62.8**		**11,570**	**93.2**	**5,318**	**40.1**
Berks	1,292	58.1	54.9-61.3	-	892	88.0	399	38.0
Bucks	1,898	57.0	54.5-59.6	-	1,241	80.8	657	41.2
Chester	1,175	44.5	41.9-47.0	-	787	63.2	388	30.1
Delaware	1,944	65.3	62.4-68.2		1,315	97.8	629	43.1
Lancaster	1,481	51.7	49.0-54.3	-	971	75.4	510	37.9
Montgomery	2,269	49.6	47.6-51.6	-	1,416	72.2	853	41.0
Philadelphia	6,206	78.1	76.2-80.1	+	4,517	123.8	1,689	41.4
Schuylkill	624	77.9	71.8-84.0	+	431	115.2	193	53.4
South-Central	**5,298**	**58.2**	**56.6-59.8**	**-**	**3,494**	**84.1**	**1,804**	**42.1**
Adams	303	54.7	48.6-60.9	-	209	83.6	94	36.5
Bedford	211	80.5	69.6-91.4	+	148	120.5	63	50.8
Blair	432	60.2	54.5-65.9		269	87.3	163	50.1
Cumberland	602	46.0	42.3-49.6	-	383	65.0	219	36.0
Dauphin	788	55.8	51.9-59.7	-	530	81.2	258	37.1
Franklin	453	54.7	49.6-59.7	-	267	72.1	186	48.1
Fulton	61	78.9	59.1-98.6		38	102.4	23	62.8
Huntingdon	202	79.0	68.1-89.9	+	141	116.0	61	56.7
Juniata	89	66.0	52.3-79.7		68	110.4	21	33.9
Lebanon	394	51.5	46.5-56.6	-	261	79.1	133	38.6
Mifflin	167	63.6	53.9-73.2		103	89.9	64	53.8
Perry	163	72.5	61.3-83.6		91	79.2	72	63.1
York	1,433	62.1	58.9-65.3		986	91.2	447	40.3
Southwest	**10,366**	**68.3**	**67.0-69.6**	**+**	**6,770**	**102.9**	**3,596**	**51.8**
Allegheny	4,581	65.5	63.6-67.4	+	2,999	101.6	1,582	49.6
Armstrong	278	76.0	67.0-84.9	+	192	113.5	86	49.8
Beaver	646	68.3	63.1-73.6	+	444	107.9	202	46.0
Butler	565	56.7	52.0-61.4	-	374	82.0	191	40.7
Cambria	648	82.1	75.8-88.4	+	405	115.7	243	68.0
Fayette	570	78.4	72.0-84.8	+	385	115.6	185	53.7
Greene	174	84.8	72.2-97.4	+	115	116.4	59	63.9
Indiana	350	78.1	69.9-86.3	+	227	103.2	123	55.5
Somerset	321	71.9	64.1-79.8	+	206	103.6	115	61.8
Washington	732	64.6	59.9-69.2		469	92.4	263	49.3
Westmoreland	1,501	73.0	69.3-76.6	+	954	107.8	547	58.8
Pennsylvania	**43,201**	**62.5**	**61.9-63.1**		**28,941**	**93.0**	**14,258**	**43.7**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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

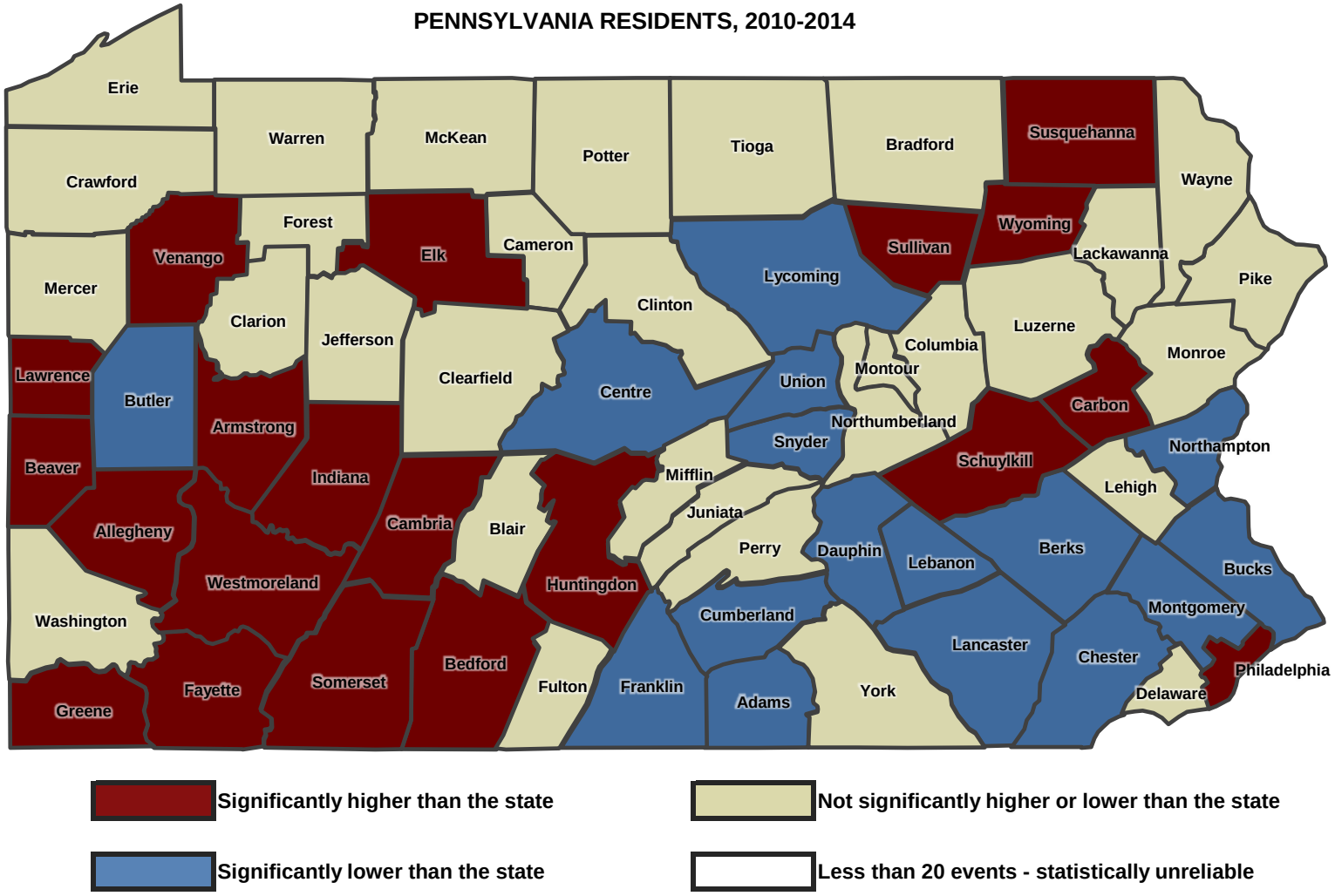
TOTAL NUMBER OF INJURY DEATHS AND ANNUAL DEATH RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**381**	**19.8**	**1,103**	**77.8**	**1,234**	**78.1**	**1,048**	**60.7**	**1,576**	**116.5**
Carbon	51	70.8	63	123.9	73	110.6	33	43.9	55	90.7
Lackawanna	41	16.5	155	77.3	172	86.1	173	76.0	193	99.3
Lehigh	60	13.1	216	65.1	245	69.3	219	61.3	431	158.9
Luzerne	60	16.6	259	89.5	264	84.1	231	67.6	297	100.8
Monroe	28	12.8	117	82.0	119	68.6	118	62.1	142	121.7
Northampton	40	11.0	159	59.4	171	57.4	153	48.0	324	131.5
Pike	28	41.1	35	90.6	47	80.7	39	58.1	26	50.2
Susquehanna	38	78.9	39	121.4	47	117.3	25	47.5	38	93.9
Wayne	20	37.6	32	80.1	63	121.7	44	68.8	51	98.4
Wyoming	15	45.0	28	117.7	33	122.6	13	40.1	19	77.6
North-Central	**255**	**30.7**	**355**	**45.8**	**413**	**65.2**	**368**	**51.8**	**672**	**116.3**
Bradford	30	39.1	40	81.8	47	80.3	47	66.7	67	115.6
Centre	16	9.0	57	22.0	48	38.7	51	40.9	122	132.0
Clinton	19	38.0	21	50.2	28	82.5	23	59.1	27	82.0
Columbia	24	29.9	46	64.8	44	73.8	32	46.5	62	111.0
Lycoming	49	35.4	60	53.0	82	76.2	71	56.6	89	90.2
Montour	14	66.1	6	NSR	9	NSR	12	57.6	28	158.9
Northumberland	25	23.9	58	70.9	63	69.4	58	55.5	119	132.5
Potter	8	NSR	11	85.8	10	64.2	11	54.6	23	128.5
Snyder	21	40.2	12	32.0	15	40.3	16	39.6	45	140.5
Sullivan	10	172.1	7	NSR	11	213.8	6	NSR	9	NSR
Tioga	23	45.4	29	76.7	38	101.8	23	49.6	41	103.4
Union	16	31.3	8	NSR	18	38.4	18	43.0	40	115.6
Northwest	**326**	**29.5**	**696**	**84.8**	**729**	**84.5**	**653**	**64.5**	**839**	**103.8**
Cameron	5	NSR	3	NSR	4	NSR	13	201.6	0	NSR
Clarion	23	49.2	30	71.6	30	87.3	18	44.2	36	106.4
Clearfield	51	58.5	51	71.7	68	79.5	45	50.5	71	96.2
Crawford	18	16.4	67	90.5	69	84.7	82	84.1	80	104.5
Elk	22	62.5	33	148.9	28	87.4	26	69.2	45	145.3
Erie	53	14.7	234	83.2	210	82.0	176	60.3	198	93.8
Forest	5	NSR	7	NSR	10	130.3	10	121.0	5	NSR
Jefferson	39	73.1	29	78.2	34	81.2	23	46.0	35	83.0
Lawrence	24	22.8	58	80.0	76	92.1	96	93.5	111	128.0
McKean	7	NSR	31	81.6	35	82.6	28	60.4	35	92.9
Mercer	31	22.3	90	93.3	85	80.1	76	60.2	122	110.4
Venango	19	30.3	43	102.5	53	107.3	37	55.9	66	129.1
Warren	29	63.3	20	64.1	27	69.9	23	46.2	35	86.3
Southeast	**1,020**	**15.5**	**4,174**	**79.7**	**3,588**	**71.5**	**3,630**	**70.9**	**4,477**	**121.2**
Berks	90	16.4	272	71.8	256	62.7	271	64.9	403	128.9
Bucks	81	10.6	454	89.3	380	58.6	423	58.7	560	114.5
Chester	68	9.9	259	59.5	216	40.7	260	48.7	372	107.3
Delaware	92	12.5	481	88.3	431	80.1	437	75.9	503	122.5
Lancaster	122	17.0	291	58.5	250	51.2	307	59.5	511	123.8
Montgomery	86	8.6	441	61.4	409	49.1	475	55.7	858	135.0
Philadelphia	433	21.8	1,846	91.1	1,510	106.3	1,321	98.3	1,096	115.5
Schuylkill	48	30.0	130	103.5	136	89.8	136	84.1	174	127.0
South-Central	**443**	**21.2**	**1,038**	**68.5**	**1,094**	**65.4**	**1,054**	**58.9**	**1,669**	**121.4**
Adams	41	33.0	48	55.8	76	75.5	56	50.7	82	95.2
Bedford	16	28.0	36	96.7	47	97.3	44	79.4	68	139.7
Blair	55	36.8	77	69.0	86	73.1	75	54.4	139	118.9
Cumberland	37	13.0	123	52.6	123	52.5	108	43.4	211	108.2
Dauphin	60	17.7	169	64.4	170	64.8	176	60.7	213	109.1
Franklin	34	17.4	81	62.3	83	55.9	94	62.0	161	122.7
Fulton	16	89.2	11	95.6	14	92.9	15	96.1	5	NSR
Huntingdon	13	25.3	32	74.2	34	73.7	38	78.1	85	213.2
Juniata	13	41.6	18	88.7	25	105.1	15	58.5	18	80.0
Lebanon	46	26.9	65	55.7	71	55.1	71	51.0	141	118.4
Mifflin	19	32.8	29	78.1	31	69.8	29	59.6	59	130.1
Perry	16	28.1	40	104.7	37	78.6	36	68.2	34	100.5
York	77	13.9	309	79.8	297	65.4	297	63.9	453	138.3
Southwest	**598**	**19.8**	**2,068**	**82.1**	**2,143**	**84.4**	**2,054**	**67.7**	**3,503**	**145.7**
Allegheny	233	17.1	943	73.4	905	80.6	935	70.1	1,565	150.2
Armstrong	19	25.2	61	114.6	55	82.7	63	77.9	80	121.8
Beaver	71	37.3	125	88.2	148	93.5	105	52.8	197	121.7
Butler	32	14.0	125	81.5	115	61.0	106	51.3	187	126.2
Cambria	38	24.1	131	108.8	127	98.0	113	69.7	239	174.3
Fayette	37	24.9	111	97.3	142	106.9	103	65.9	177	140.4
Greene	18	41.8	36	99.3	39	101.0	41	96.9	40	129.9
Indiana	30	28.0	67	67.6	74	101.8	55	60.6	124	172.2
Somerset	40	50.0	60	93.5	59	77.2	47	52.6	115	153.7
Washington	30	12.6	142	82.7	171	84.9	154	63.8	235	124.4
Westmoreland	50	12.7	267	95.1	308	88.0	332	76.5	544	152.6
Pennsylvania	**3,023**	**19.4**	**9,434**	**76.8**	**9,201**	**74.8**	**8,807**	**65.7**	**12,736**	**124.7**

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

INJURY DEATHS: ALL INJURIES

AGE-ADJUSTED DEATH RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



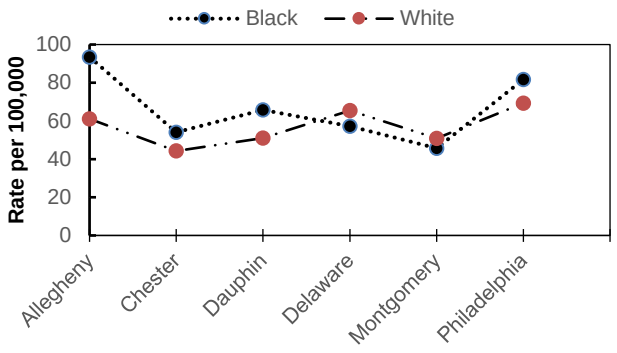
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: ALL INJURIES

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	769	93.5	86.9-100.1
Chester	84	54.0	42.5-65.5
Dauphin	163	65.7	55.6-75.8
Delaware	328	57.2	51.0-63.4
Montgomery	169	45.7	38.8-52.6
Philadelphia	2,795	81.6	78.6-84.6
Pennsylvania	5,119	70.8	68.9-72.8



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	3,699	61.1	59.1-63.0
Chester	1,041	44.2	41.5-46.9
Dauphin	575	51.0	46.8-55.2
Delaware	1,488	65.4	62.1-68.8
Montgomery	1,987	50.9	48.7-53.1
Philadelphia	2,582	69.3	66.6-72.0
Pennsylvania	35,743	59.9	59.3-60.5

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	591	178	**769**	16.8%	124	49.2	253	141.3	157	108.9	150	99.9	85	91.1
	White	81.4%	2,324	1,375	**3,699**	81.0%	95	9.6	651	64.5	728	79.1	765	66.4	1,460	156.6
Chester	Black	6.3%	62	22	**84**	7.2%	9	NSR	27	74.0	19	63.6	16	56.5	13	78.7
	White	86.9%	686	355	**1,041**	88.7%	54	9.5	207	56.9	191	41.7	235	48.2	354	110.1
Dauphin	Black	18.5%	120	43	**163**	20.7%	34	41.0	50	96.9	35	73.4	30	67.5	14	60.2
	White	74.2%	377	198	**575**	73.0%	17	7.9	109	58.1	120	61.2	136	58.0	193	115.5
Delaware	Black	20.5%	249	79	**328**	16.9%	49	25.1	122	92.8	75	65.9	60	66.7	22	48.4
	White	72.1%	961	527	**1,488**	76.7%	36	7.7	320	87.0	326	85.8	350	76.5	456	129.9
Montgomery	Black	9.1%	119	50	**169**	7.5%	19	17.8	48	63.6	38	48.0	33	49.7	31	77.4
	White	81.6%	1,213	774	**1,987**	87.9%	52	6.8	358	64.1	348	52.1	422	57.5	807	142.0
Philadelphia	Black	44.1%	2,150	645	**2,795**	45.3%	289	28.6	964	126.4	608	95.3	579	94.8	355	93.2
	White	44.7%	1,732	850	**2,582**	41.9%	54	7.6	574	57.6	679	109.5	607	98.5	668	130.5
Pennsylvania	Black	11.3%	3,900	1,219	**5,119**	11.9%	633	28.2	1,735	105.2	1,139	81.6	1,022	82.9	590	83.5
	White	83.1%	23,274	12,467	**35,741**	83.0%	1,576	13.1	6,979	71.7	7,294	71.4	7,638	65.1	12,256	131.9

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: UNINTENTIONAL FALLS

In 2014, among Pennsylvania residents, there were 1,605 deaths due to unintentional falls. On average, one resident died every five and one-half hours.

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 generally **increased** from 2010 to 2014.
- Most common demographic is **whites** age **85 and older**.
- Of all Pennsylvania counties, **Huntingdon** and **Westmoreland** had the highest rates.

Trends Over Time

- Age-adjusted death rates for unintentional falls increased by 10 percent from 8.2 deaths per 100,000 population in 2010 to 9.0 deaths per 100,000 population in 2013. Thereafter, the rate decreased marginally by 1 percent to 8.9 deaths per 100,000 population in 2014.
- Males had higher age-adjusted falls death rates than females for all age groups during 2010 to 2014 (rates were 11.3 and 7.2 for males and females, respectively, in 2014).
- Urban populations had higher unintentional age-adjusted rates for unintentional falls than rural populations for ages 45-69 and ages 75 and older during 2010 to 2014, while rural populations had higher rates for ages less than 45 and 70-74 where rates could be calculated.

Demographic Trends

- Among males, whites had significantly higher age-adjusted death rates for unintentional falls than blacks for ages 70 and older, while blacks had significantly higher rates for ages 55-59 in 2010 to 2014.
- Among females, whites had significantly higher age-adjusted death rates than blacks for ages 75 and older in 2010 to 2014.
- Ages 80 and older accounted for almost two-thirds of all falls deaths in 2010 to 2014. While males had higher rates in this age group, females (especially white females) represent the majority of falls deaths in this age group.

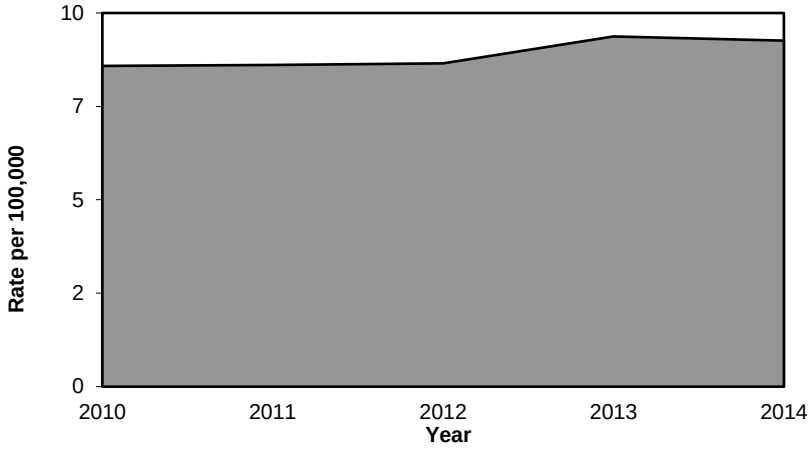
Regional Trends

- The Southwest Health District had the highest age-adjusted falls death rate, while the Northwest Health District had the lowest rate.
- Seven counties had age-adjusted falls death rates for 2010 to 2014 that were significantly higher than the comparable state rate. The majority of these were urban counties.

INJURY DEATHS: UNINTENTIONAL FALLS

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES, PENNSYLVANIA RESIDENTS, 2010-2014

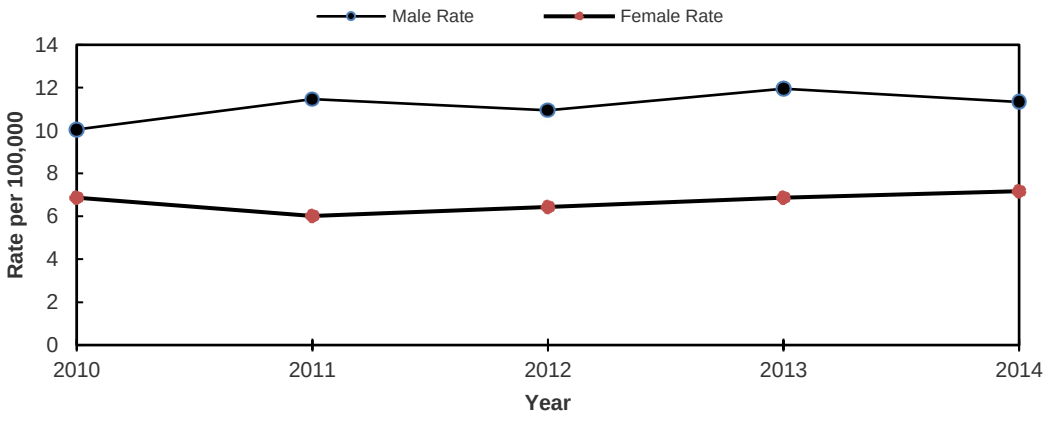
Year	No.	Rate
2010	1,401	8.2
2011	1,429	8.3
2012	1,465	8.3
2013	1,600	9.0
2014	1,605	8.9



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

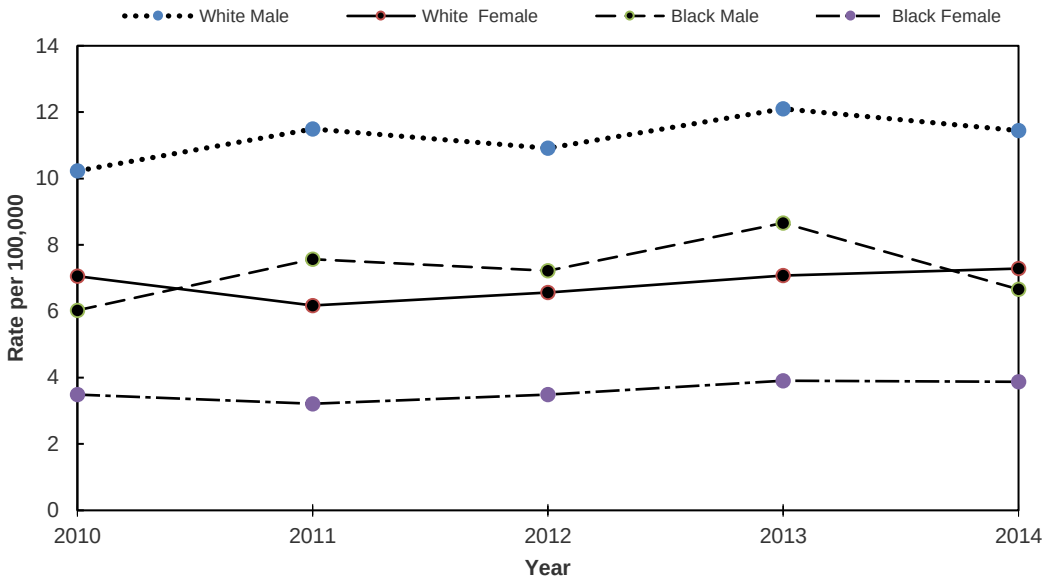
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	654	10.1	2010	747	6.9
2011	762	11.5	2011	667	6.0
2012	745	10.9	2012	720	6.4
2013	827	12.0	2013	773	6.9
2014	792	11.3	2014	813	7.2



INJURY DEATHS: UNINTENTIONAL FALLS

TOTAL NUMBER OF INJURY DEATHS AND DEATH RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Number				Year	Age-Adjusted Rates			
	White Male	White Female	Black Male	Black Female		White Male	White Female	Black Male	Black Female
2010	608	706	28	25	2010	10.2	7.1	6.0	3.5
2011	701	633	35	24	2011	11.5	6.2	7.6	3.2
2012	680	677	36	25	2012	10.9	6.6	7.2	3.5
2013	765	733	41	30	2013	12.1	7.1	8.7	3.9
2014	730	756	32	31	2014	11.4	7.3	6.7	3.9



AGE-ADJUSTED DEATH RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	10.4	9.3	7.1	6.2
2011	12.0	10.2	6.4	5.0
2012	11.5	9.6	6.3	6.8
2013	12.7	10.1	7.2	5.9
2014	11.9	10.1	7.0	7.7

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: UNINTENTIONAL FALLS

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**7,500**	**11.8**	**3,780**	**12.1**	**3,720**	**11.4**		**5,547**	**11.9**	**1,953**	**11.3**	
< 5	9	NSR	7	NSR	2	NSR		9	NSR	0	NSR	
5-9	4	NSR	0	NSR	4	NSR		4	NSR	0	NSR	
10-14	4	NSR	2	NSR	2	NSR		2	NSR	2	NSR	
15-19	11	0.3	7	NSR	4	NSR		10	0.3	1	NSR	
20-24	26	0.6	21	0.9	5	NSR		18	0.6	8	NSR	
25-29	24	0.6	17	0.8	7	NSR		18	0.6	6	NSR	
30-34	33	0.9	26	1.4	7	NSR		26	0.9	7	NSR	
35-39	35	1.0	27	1.5	8	NSR		24	0.9	11	1.1	
40-44	42	1.0	30	1.5	12	0.6	*	28	0.9	14	1.3	
45-49	132	2.9	95	4.3	37	1.6	*	102	3.1	30	2.4	*
50-54	185	3.8	139	5.8	46	1.9	*	137	3.9	48	3.6	
55-59	279	6.1	193	8.6	86	3.7		208	6.3	71	5.5	*
60-64	310	7.9	207	10.9	103	5.1	*	227	8.1	83	7.2	
65-69	382	12.6	247	17.3	135	8.4	*	275	13.0	107	11.7	
70-74	480	21.1	282	27.3	198	15.9	*	324	20.6	156	22.3	
75-79	748	41.7	425	55.1	323	31.5	*	547	43.7	201	37.0	*
80-84	1,289	85.7	661	111.5	628	69.0	*	939	88.0	350	80.1	
85 +	3,507	218.5	1,394	271.3	2,113	193.7	*	2,649	228.7	858	192.2	*

* 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: UNINTENTIONAL FALLS

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**3,484**	**13.4**	**172**	**5.0**		**3,505**	**13.0**	**135**	**3.6**	
< 5	4	NSR	3	NSR		0	NSR	1	NSR	
5-9	0	NSR	0	NSR		3	NSR	0	NSR	
10-14	2	NSR	0	NSR		2	NSR	0	NSR	
15-19	6	NSR	0	NSR		3	NSR	1	NSR	
20-24	18	1.0	2	NSR		3	NSR	1	NSR	
25-29	12	0.7	2	NSR		5	NSR	2	NSR	
30-34	18	1.2	2	NSR		4	NSR	2	NSR	
35-39	24	1.6	2	NSR		6	NSR	2	NSR	
40-44	26	1.5	1	NSR		11	0.6	1	NSR	
45-49	81	4.3	6	NSR		34	1.8	2	NSR	
50-54	116	5.6	15	6.6		40	1.9	6	NSR	
55-59	165	8.3	22	11.3	*	78	3.7	5	NSR	
60-64	178	10.5	19	13.0		88	4.9	10	5.4	
65-69	214	16.6	17	17.3		122	8.5	12	9.0	
70-74	259	27.6	11	16.2	*	175	15.7	13	13.0	
75-79	391	55.3	17	35.8	*	295	31.9	12	15.2	*
80-84	624	112.9	24	77.1	*	594	71.1	19	31.0	*
85 +	1,346	279.0	29	115.7	*	2,042	201.0	46	71.7	*

* 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.

INJURY DEATHS: UNINTENTIONAL FALLS

TOTAL NUMBER OF INJURY DEATHS BY SEX, AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**848**	**7.4**	**6.9-7.9**	**-**	**444**	**11.3**	**404**	**9.9**
Carbon	37	8.0	5.4--10.6		16	NSR	21	12.8
Lackawanna	98	6.2	5.0-7.4	-	55	10.7	43	7.8
Lehigh	264	10.9	9.6-12.3	+	136	15.8	128	14.1
Luzerne	112	4.6	3.7-5.4	-	53	6.7	59	7.2
Monroe	77	8.6	6.7-10.6		49	11.8	28	6.6
Northampton	193	8.4	7.2-9.5		99	13.5	94	12.3
Pike	24	6.5	3.9-9.1		14	NSR	10	NSR
Susquehanna	11	NSR			6	NSR	5	NSR
Wayne	22	6.0	3.5-8.6		12	NSR	10	NSR
Wyoming	10	NSR			4	NSR	6	NSR
North-Central	**325**	**6.8**	**6.0-7.5**	**-**	**165**	**9.3**	**160**	**9.1**
Bradford	30	6.8	4.4-9.2		19	NSR	11	NSR
Centre	51	6.6	4.8-8.4	-	22	5.4	29	7.8
Clinton	13	NSR			10	NSR	3	NSR
Columbia	36	7.6	5.1-10.1		19	NSR	17	NSR
Lycoming	40	4.7	3.2-6.1	-	21	7.3	19	NSR
Montour	20	11.5	6.4-16.5		8	NSR	12	NSR
Northumberland	62	8.4	6.3-10.5		33	14.0	29	12.3
Potter	15	NSR			4	NSR	11	NSR
Snyder	17	NSR			7	NSR	10	NSR
Sullivan	3	NSR			1	NSR	2	NSR
Tioga	17	NSR			10	NSR	7	NSR
Union	21	7.1	4.0-10.1		11	NSR	10	NSR
Northwest	**450**	**6.7**	**6.1-7.4**	**-**	**232**	**10.1**	**218**	**9.4**
Cameron	8	NSR			1	NSR	7	NSR
Clarion	14	NSR			8	NSR	6	NSR
Clearfield	44	7.5	5.3-9.7		21	10.0	23	11.7
Crawford	37	6.4	4.3-8.4	-	24	11.2	13	NSR
Elk	27	10.0	6.2-13.7		11	NSR	16	NSR
Erie	112	6.2	5.0-7.3	-	53	7.7	59	8.3
Forest	3	NSR			3	NSR	0	NSR
Jefferson	23	7.1	4.2-10.1		19	NSR	4	NSR
Lawrence	56	7.4	5.5-9.4		29	13.4	27	11.6
McKean	11	NSR			6	NSR	5	NSR
Mercer	48	5.6	4.0-7.1	-	26	9.2	22	7.5
Venango	32	7.6	5.0-10.2		8	NSR	24	17.4
Warren	35	10.5	7.0-13.		23	22.3	12	NSR
Southeast	**2,727**	**8.4**	**8.1-8.7**		**1,248**	**10.1**	**1,237**	**9.3**
Berks	242	8.9	7.8-10.0		162	16.0	182	17.3
Bucks	344	8.2	7.4-9.1		109	7.1	109	6.8
Chester	218	7.3	6.3-8.2	-	185	14.9	161	12.5
Delaware	346	9.3	8.3-10.2		149	11.1	142	9.7
Lancaster	291	8.0	7.1-8.9		266	20.7	328	24.4
Montgomery	594	10.2	9.3-11.0	+	334	17.0	272	13.1
Philadelphia	606	7.4	6.8-8.0	-	43	1.2	43	1.1
Schuylkill	86	7.5	5.9-9.0			0.0		0.0
South-Central	**931**	**8.3**	**7.7-8.8**		**441**	**10.6**	**490**	**11.4**
Adams	50	7.1	5.1-9.1		26	10.4	24	9.3
Bedford	36	9.7	6.5-12.9		22	17.9	14	NSR
Blair	96	9.4	7.5-11.3		45	14.6	51	15.7
Cumberland	94	5.7	4.6-6.9	-	45	7.6	49	8.1
Dauphin	108	6.6	5.4-7.9	-	51	7.8	57	8.2
Franklin	105	9.7	7.8-11.5		38	10.3	67	17.3
Fulton	6	NSR			2	NSR	4	NSR
Huntingdon	47	15.6	11.1-20.0	+	27	22.2	20	18.6
Juniata	12	NSR			7	NSR	5	NSR
Lebanon	60	5.9	4.4-7.5	-	26	7.9	34	9.9
Mifflin	31	8.6	5.6-11.6		13	NSR	18	NSR
Perry	13	NSR			4	NSR	9	NSR
York	273	10.3	9.1-11.5	+	135	12.5	138	12.5
Southwest	**2,219**	**10.5**	**10.1-11.0**	**+**	**1,124**	**17.1**	**1,095**	**15.8**
Allegheny	1,108	11.7	11.0-12.4	+	553	18.7	555	17.4
Armstrong	37	6.5	4.4-8.6		20	11.8	17	NSR
Beaver	110	8.0	6.5-9.5		68	16.5	42	9.6
Butler	90	7.0	5.6-8.5	-	51	11.2	39	8.3
Cambria	135	11.3	9.4-13.2	+	63	18.0	72	20.2
Fayette	90	8.5	6.7-10.3		43	12.9	47	13.6
Greene	22	9.4	5.5-13.3		9	NSR	13	NSR
Indiana	56	9.1	6.7-11.5		27	12.3	29	13.1
Somerset	68	10.4	7.9-12.9		30	15.1	38	20.4
Washington	129	8.0	6.6-9.4		65	12.8	64	12.0
Westmoreland	374	12.3	11.1-13.6	+	195	22.0	179	19.3
Pennsylvania	**7,500**	**8.5**	**8.4-8.7**		**3,654**	**11.7**	**3,604**	**11.0**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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

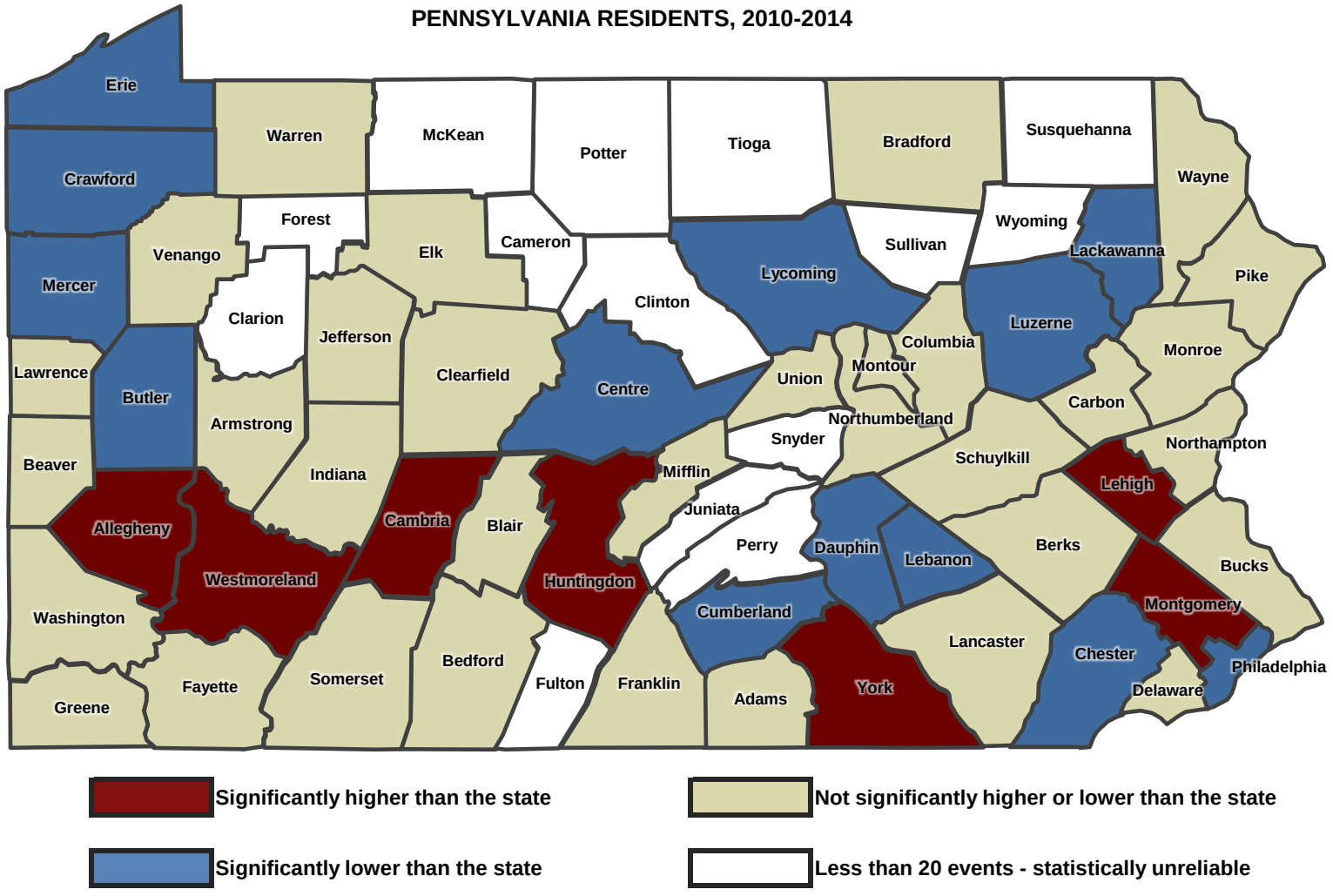
TOTAL NUMBER OF INJURY DEATHS AND ANNUAL DEATH RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**64**	**3.3**	**99**	**7.0**	**175**	**11.1**	**376**	**21.8**	**134**	**9.9**
Carbon	6	NSR	8	NSR	23	34.8	0	NSR	0	NSR
Lackawanna	4	NSR	15	7.5	21	10.5	58	25.5	0	NSR
Lehigh	5	NSR	6	NSR	19	5.4	100	28.0	134	49.4
Luzerne	5	NSR	10	3.5	17	5.4	80	23.4	0	NSR
Monroe	9	NSR	13	9.1	29	16.7	26	13.7	0	NSR
Northampton	8	NSR	20	7.5	53	17.8	112	35.1	0	NSR
Pike	7	NSR	12	31.1	5	NSR	0	NSR	0	NSR
Susquehanna	11	22.8	0	NSR	0	NSR	0	NSR	0	NSR
Wayne	5	NSR	9	NSR	8	NSR	0	NSR	0	NSR
Wyoming	4	NSR	6	NSR	0	NSR	0	NSR	0	NSR
North-Central	**93**	**11.2**	**129**	**16.7**	**103**	**16.3**	**0**	**NSR**	**0**	**NSR**
Bradford	5	NSR	8	NSR	17	29.0	0	NSR	0	NSR
Centre	11	6.2	40	15.5	0	NSR	0	NSR	0	NSR
Clinton	10	20.0	3	NSR	0	NSR	0	NSR	0	NSR
Columbia	6	NSR	14	19.7	16	26.8	0	NSR	0	NSR
Lycoming	5	NSR	6	NSR	29	26.9	0	NSR	0	NSR
Montour	6	NSR	14	88.4	0	NSR	0	NSR	0	NSR
Northumberland	7	NSR	14	17.1	41	45.2	0	NSR	0	NSR
Potter	15	72.2	0	NSR	0	NSR	0	NSR	0	NSR
Snyder	7	NSR	10	26.7	0	NSR	0	NSR	0	NSR
Sullivan	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	7	NSR	10	26.5	0	NSR	0	NSR	0	NSR
Union	11	21.5	10	20.0	0	NSR	0	NSR	0	NSR
Northwest	**84**	**7.6**	**118**	**14.4**	**159**	**18.4**	**89**	**8.8**	**0**	**NSR**
Cameron	8	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	4	NSR	6	NSR	4	NSR	0	NSR	0	NSR
Clearfield	4	NSR	7	NSR	33	38.6	0	NSR	0	NSR
Crawford	9	NSR	16	21.6	12	14.7	0	NSR	0	NSR
Elk	10	28.4	17	76.7	0	NSR	0	NSR	0	NSR
Erie	5	NSR	16	5.7	19	7.4	72	24.7	0	NSR
Forest	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	5	NSR	5	NSR	13	31.0	0	NSR	0	NSR
Lawrence	9	NSR	7	NSR	40	48.5	0	NSR	0	NSR
McKean	8	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Mercer	6	NSR	5	NSR	20	18.9	17	13.5	0	NSR
Venango	5	NSR	9	NSR	18	36.4	0	NSR	0	NSR
Warren	8	NSR	27	86.5	0	NSR	0	NSR	0	NSR
Southeast	**66**	**1.0**	**147**	**2.8**	**339**	**6.8**	**816**	**15.9**	**1,359**	**36.8**
Berks	6	NSR	23	6.1	53	13.0	160	38.3	0	NSR
Bucks	9	NSR	20	3.9	39	6.0	109	15.1	167	34.2
Chester	15	2.2	33	7.6	61	11.5	109	20.4	0	NSR
Delaware	5	NSR	26	4.8	43	8.0	111	19.3	161	39.2
Lancaster	7	NSR	7	NSR	22	4.5	66	12.8	189	45.8
Montgomery	6	NSR	12	1.7	40	4.8	106	12.4	430	67.7
Philadelphia	9	NSR	14	0.7	50	3.5	121	9.0	412	43.4
Schuylkill	9	NSR	12	9.6	31	20.5	34	21.0	0	NSR
South-Central	**78**	**3.7**	**154**	**10.2**	**412**	**24.6**	**89**	**5.0**	**198**	**14.4**
Adams	8	NSR	11	12.8	31	30.8	0	NSR	0	NSR
Bedford	5	NSR	14	37.6	17	35.2	0	NSR	0	NSR
Blair	7	NSR	14	12.5	75	63.7	0	NSR	0	NSR
Cumberland	7	NSR	13	5.6	74	31.6	0	NSR	0	NSR
Dauphin	6	NSR	18	6.9	40	15.2	44	15.2	0	NSR
Franklin	8	NSR	12	9.2	85	57.2	0	NSR	0	NSR
Fulton	6	NSR	0	NSR	0	0.0	0	NSR	0	NSR
Huntingdon	7	NSR	27	62.6	13	28.2	0	NSR	0	NSR
Juniata	6	NSR	6	NSR	0	NSR	0	NSR	0	NSR
Lebanon	5	NSR	14	12.0	41	31.8	0	NSR	0	NSR
Mifflin	5	NSR	14	37.7	12	27.0	0	NSR	0	NSR
Perry	4	NSR	5	NSR	4	NSR	0	NSR	0	NSR
York	4	NSR	6	NSR	20	4.4	45	9.7	198	60.4
Southwest	**92**	**3.0**	**240**	**9.5**	**471**	**18.6**	**673**	**22.2**	**743**	**30.9**
Allegheny	10	0.7	27	2.1	96	8.5	232	17.4	743	71.3
Armstrong	5	NSR	32	60.1	0	NSR	0	NSR	0	NSR
Beaver	6	NSR	17	12.0	46	29.1	41	20.6	0	NSR
Butler	9	NSR	8	NSR	32	17.0	41	19.8	0	NSR
Cambria	10	6.3	11	9.1	50	38.6	64	39.5	0	NSR
Fayette	10	6.7	15	13.1	65	48.9	0	NSR	0	NSR
Greene	4	NSR	7	NSR	11	28.5	0	NSR	0	NSR
Indiana	9	NSR	47	47.4	0	NSR	0	NSR	0	NSR
Somerset	8	NSR	17	26.5	43	56.2	0	NSR	0	NSR
Washington	8	NSR	23	13.4	45	22.3	53	22.0	0	NSR
Westmoreland	13	3.3	36	12.8	83	23.7	242	55.7	0	NSR
Pennsylvania	**477**	**3.1**	**887**	**7.2**	**1,659**	**13.5**	**2,043**	**15.2**	**2,434**	**23.8**

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: UNINTENTIONAL FALLS

AGE-ADJUSTED DEATH RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



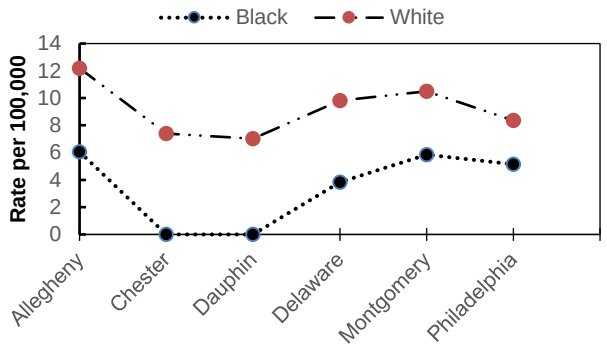
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: UNINTENTIONAL FALLS

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	45	6.1	4.3-7.8
Chester	7	NSR	
Dauphin	8	NSR	
Delaware	16	3.8	2.0-5.7
Montgomery	20	5.9	3.3-8.4
Philadelphia	169	5.2	4.4-5.9
Pennsylvania	307	5.0	4.4-5.6



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	1,045	12.2	11.5-12.9
Chester	208	7.4	6.4-8.4
Dauphin	98	7.0	5.6-8.4
Delaware	317	9.8	8.7-10.9
Montgomery	561	10.5	9.6-11.4
Philadelphia	382	8.4	7.5-9.2
Pennsylvania	6,989	8.7	8.5-8.9

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	22	23	**45**	4.1%	0	NSR	1	NSR	4	NSR	5	NSR	35	37.5
	White	81.4%	520	525	**1,045**	94.3%	4	NSR	5	NSR	23	2.5	90	7.8	923	99.0
Chester	Black	6.3%	2	5	**7**	3.2%	0	NSR	1	NSR	1	NSR	0	NSR	5	NSR
	White	86.9%	105	103	**208**	95.4%	1	NSR	0	NSR	1	NSR	32	6.6	174	54.1
Dauphin	Black	18.5%	3	5	**8**	7.4%	1	NSR	0	NSR	0	NSR	4	NSR	3	NSR
	White	74.2%	47	51	**98**	90.7%	0	NSR	0	NSR	5	NSR	9	NSR	84	50.3
Delaware	Black	20.5%	6	10	**16**	4.6%	0	NSR	1	NSR	0	NSR	4	NSR	11	24.2
	White	72.1%	169	148	**317**	91.6%	1	NSR	1	NSR	13	3.4	34	7.4	268	76.3
Montgomery	Black	9.1%	13	7	**20**	3.4%	0	NSR	0	NSR	1	NSR	7	NSR	12	30.0
	White	81.6%	247	314	**561**	94.8%	1	NSR	4	NSR	10	1.5	32	4.4	514	90.4
Philadelphia	Black	44.1%	104	65	**169**	28.0%	3	NSR	6	NSR	6	NSR	42	6.9	112	29.4
	White	44.7%	200	182	**382**	63.3%	1	NSR	2	NSR	12	1.9	56	9.1	311	60.8
Pennsylvania	Black	11.3%	172	135	**307**	4.1%	5	NSR	11	0.7	14	1.0	77	6.2	200	28.3
	White	83.1%	3,484	3,505	**6,989**	93.4%	20	0.2	60	0.6	182	1.8	665	5.7	6,062	65.3

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: ALL POISONING

In 2014, among Pennsylvania residents, there were 2,904 deaths due to poisoning.
On average, one resident died almost every three hours.

Injury Definition

Poisoning includes:

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

Drug poisonings account for 92 percent of all poisoning deaths in Pa.

HIGHLIGHTS

- Age-adjusted rates steadily **increased** from 2010 to 2014.
- Most common demographic is **black males** ages 55 to 59.
- Of Pennsylvania counties, **Cambria, Philadelphia, Greene and Wyoming** had the highest rates of 28.0 and above.

Trends Over Time

- Age-adjusted death rates for poisoning steadily increased by 42 percent from 16.3 deaths per 100,000 population in 2010 to 23.1 deaths per 100,000 population in 2014.
- Males had significantly higher age-adjusted poisoning death rates for all age groups than females from 2010 to 2014.
- Among males, whites had significantly higher age-adjusted poisoning death rates than blacks for ages less than 40 where rates could be calculated, while blacks had significantly higher rates for ages 45 and older where rates could be calculated.
- Among females, whites had significantly higher age-adjusted poisoning death rates than blacks for ages less than 50 where rates could be calculated, while blacks had significantly higher rates for ages 55-64.

Demographic Trends

- White males and females accounted for over four-fifths of all poisoning deaths during 2010 to 2014; white males alone accounted for more than half of all poisoning deaths.
- Among ages 20 to 39, white males and females had significantly higher poisoning death rates than black males and females.
- Among ages 45 to 74, black males had significantly higher poisoning death rates than white males.
- Urban populations had significantly higher age-adjusted poisoning death rates than rural populations for ages 20-24 and 45-69 during 2010 to 2014.

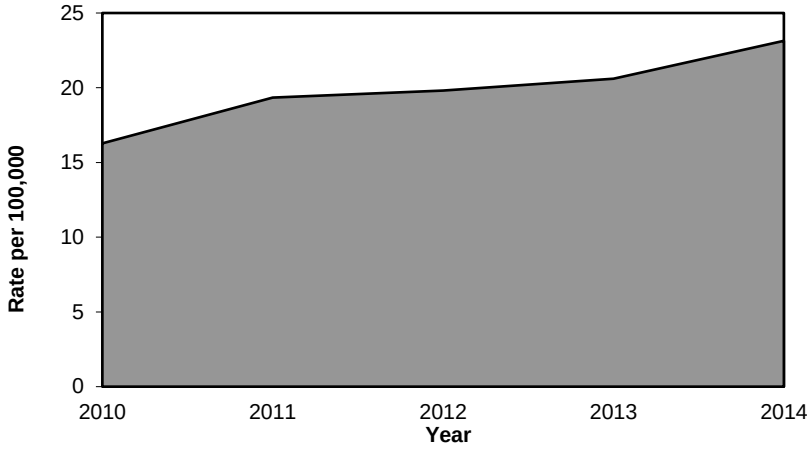
Regional Trends

- The Southwest Health District had the highest age-adjusted poisoning death rate, while the North-Central Health District had the lowest rate.
- Eleven counties had age-adjusted poisoning death rates for 2010 to 2014 that were significantly higher than the comparable state rate. The majority of these were located in the Southwest Health District.

INJURY DEATHS: ALL POISONING

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES, PENNSYLVANIA RESIDENTS, 2010-2014

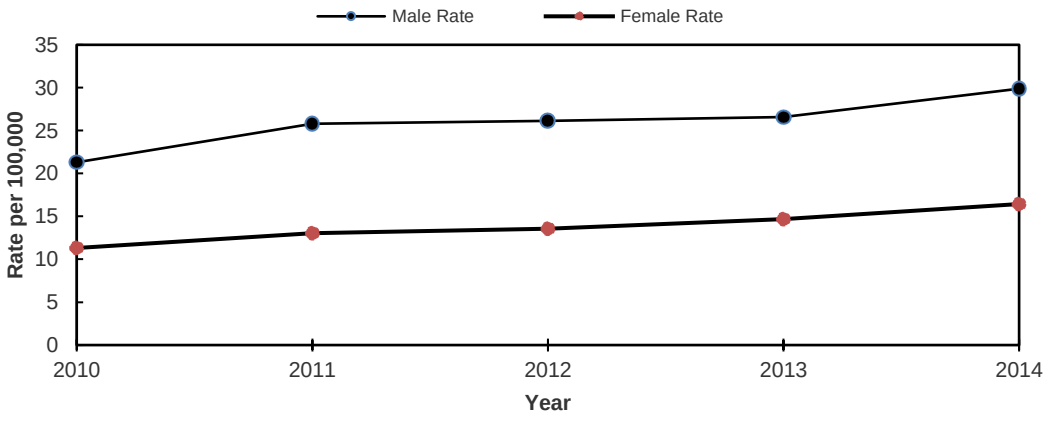
Year	No.	Rate
2010	2,042	16.3
2011	2,429	19.3
2012	2,507	19.8
2013	2,591	20.6
2014	2,904	23.1



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

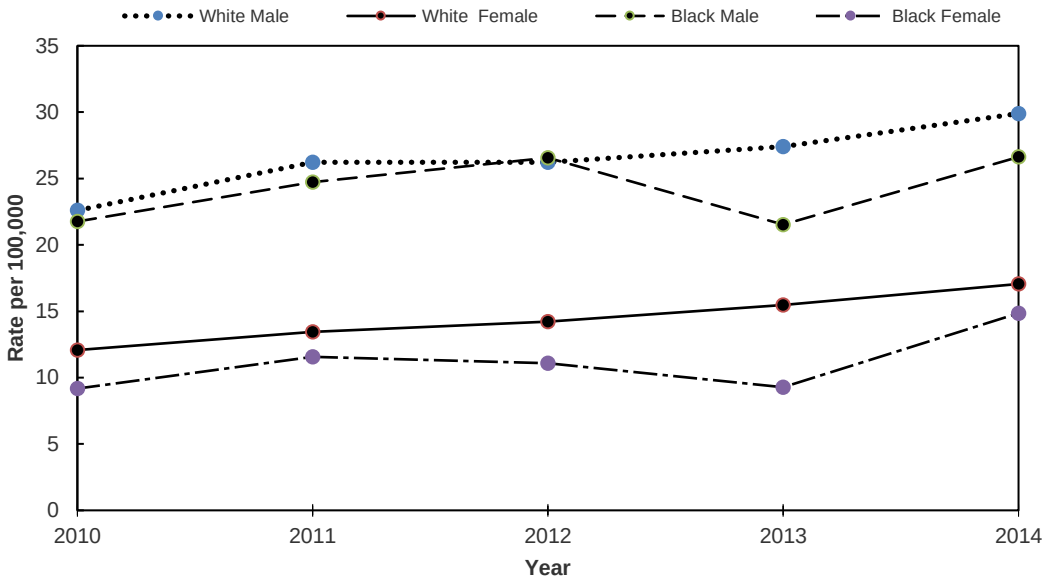
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	1,312	21.3	2010	730	11.3
2011	1,592	25.8	2011	837	13.0
2012	1,627	26.1	2012	879	13.6
2013	1,654	26.6	2013	937	14.7
2014	1,855	29.9	2014	1,049	16.4



INJURY DEATHS: ALL POISONING

TOTAL NUMBER OF INJURY DEATHS AND DEATH RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates			
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	1,128	635	140	66	2010	22.6	12.1	21.8	9.2
2011	1,352	726	162	82	2011	26.2	13.5	24.7	11.6
2012	1,359	764	177	83	2012	26.2	14.2	26.6	11.1
2013	1,410	820	150	69	2013	27.4	15.5	21.5	9.3
2014	1,529	890	185	113	2014	29.9	17.1	26.6	14.9



AGE-ADJUSTED DEATH RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	22.1	19.3	11.3	11.4
2011	27.2	22.2	13.1	12.9
2012	28.1	21.0	13.9	12.6
2013	27.0	25.6	14.5	15.3
2014	31.7	25.0	16.4	16.5

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: ALL POISONING

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**12,473**	**19.6**	**8,040**	**25.8**	**4,432**	**13.6**		**9,489**	**20.4**	**2,984**	**17.3**	
< 5	20	0.6	10	0.5	10	0.6		14	0.5	6	NSR	
5-9	4	NSR	2	NSR	2	NSR		0	NSR	4	NSR	
10-14	6	NSR	5	NSR	1	NSR		5	NSR	1	NSR	
15-19	241	5.6	186	8.4	55	2.6	*	176	5.6	65	5.5	
20-24	968	22.0	717	32.2	251	11.6	*	727	22.9	241	19.7	*
25-29	1,435	35.3	1,028	50.1	407	20.2	*	1,119	35.8	316	33.5	
30-34	1,475	38.6	1,026	53.6	448	23.5	*	1,096	37.9	379	40.7	
35-39	1,252	34.3	801	44.0	451	24.6	*	915	33.9	337	35.2	
40-44	1,451	35.1	898	43.8	553	26.6	*	1,090	36.2	361	32.4	
45-49	1,617	35.8	969	43.5	648	28.3	*	1,225	37.3	392	31.8	*
50-54	1,666	34.3	995	41.7	671	27.1	*	1,304	37.0	362	27.0	*
55-59	1,170	25.5	712	31.7	458	19.5	*	920	27.9	250	19.2	*
60-64	560	14.2	357	18.8	203	10.0	*	462	16.5	98	8.5	*
65-69	228	7.5	127	8.9	101	6.3	*	167	7.9	61	6.7	*
70-74	107	4.7	69	6.7	38	3.1	*	74	4.7	33	4.7	
75-79	91	5.1	40	5.2	51	5.0		61	4.9	30	5.5	
80-84	69	4.6	35	5.9	34	3.7	*	51	4.8	18	4.1	
85 +	113	7.0	63	12.3	50	4.6	*	83	7.2	30	6.7	

* 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: ALL POISONING

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**6,778**	**26.2**	**814**	**23.5**		**3,835**	**14.2**	**413**	**11.0**	
< 5	5	NSR	3	NSR		6	NSR	4	NSR	
5-9	2	NSR	0	NSR		2	NSR	0	NSR	
10-14	4	NSR	0	NSR		0	NSR	0	NSR	
15-19	160	9.2	9	NSR		46	2.8	4	NSR	
20-24	642	36.8	38	11.6	*	218	12.9	15	4.7	*
25-29	943	57.2	34	13.2	*	364	22.9	24	9.0	*
30-34	890	57.5	56	24.2	*	387	25.6	37	15.0	*
35-39	673	45.3	59	28.0	*	387	26.3	42	18.4	*
40-44	741	43.3	95	42.1		470	27.4	58	23.7	*
45-49	799	42.0	119	51.4	*	564	29.2	57	22.4	*
50-54	827	39.8	127	56.0	*	579	27.2	70	27.3	
55-59	540	27.2	152	78.4	*	384	18.8	61	27.0	*
60-64	267	15.7	79	54.0	*	175	9.8	24	13.1	*
65-69	103	8.0	21	21.4	*	95	6.7	4	NSR	
70-74	53	5.7	15	22.1	*	31	2.8	6	NSR	
75-79	35	4.9	4	NSR		48	5.2	2	NSR	
80-84	33	6.0	1	NSR		32	3.8	2	NSR	
85 +	61	12.6	2	NSR		47	4.6	3	NSR	

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

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

INJURY DEATHS: ALL POISONING

TOTAL NUMBER OF INJURY DEATHS BY SEX, AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**1,480**	**19.3**	**18.3-20.3**		**941**	**24.0**	**538**	**13.2**
Carbon	81	27.2	21.3-33.1	+	51	31.8	30	18.3
Lackawanna	226	22.9	19.9-25.8		137	26.6	89	16.1
Lehigh	304	17.7	15.7-19.7	-	204	23.7	99	10.9
Luzerne	316	20.5	18.2-22.8		207	26.3	109	13.4
Monroe	138	16.9	14.1-19.7	-	87	20.9	51	12.0
Northampton	221	15.5	13.4-17.5	-	140	19.1	81	10.6
Pike	54	21.0	15.4-26.6		29	20.4	25	17.6
Susquehanna	48	25.9	18.6-33.2		29	27.0	19	NSR
Wayne	58	20.8	15.5-26.2		33	24.0	25	20.3
Wyoming	34	28.1	18.7-37.6		24	34.0	10	NSR
North-Central	**398**	**11.9**	**10.7-13.0**	**-**	**247**	**14.0**	**151**	**8.6**
Bradford	41	14.2	9.9-18.6	-	33	21.4	8	NSR
Centre	59	8.1	6.0-10.1	-	34	8.4	25	6.7
Clinton	31	18.5	12.0-25.0		23	23.7	8	NSR
Columbia	42	14.6	10.2-19.0	-	19	NSR	23	13.2
Lycoming	80	14.0	10.9-17.1	-	48	16.8	32	10.8
Montour	14	NSR			8	NSR	6	NSR
Northumberland	72	16.3	12.6-20.1		41	17.4	31	13.2
Potter	12	NSR			9	NSR	3	NSR
Snyder	12	NSR			6	NSR	6	NSR
Sullivan	4	NSR			2	NSR	2	NSR
Tioga	18	NSR			15	NSR	3	NSR
Union	13	NSR			9	NSR	4	NSR
Northwest	**833**	**19.3**	**18.0-20.6**		**511**	**22.4**	**322**	**13.9**
Cameron	1	NSR			1	NSR	0	NSR
Clarion	25	15.1	9.2-21.0		15	NSR	10	NSR
Clearfield	64	16.0	12.0-19.9		45	21.3	19	NSR
Crawford	82	20.2	15.8-24.6		52	24.2	30	13.3
Elk	30	23.2	14.9-31.5		18	NSR	12	NSR
Erie	261	19.7	17.3-22.1		156	22.6	105	14.8
Forest	8	NSR			6	NSR	2	NSR
Jefferson	40	20.0	13.8-26.2		22	19.8	18	NSR
Lawrence	95	22.1	17.6-26.5		63	29.1	32	13.7
McKean	35	16.3	10.9-21.7		21	19.1	14	NSR
Mercer	117	22.2	18.2-26.2		68	24.0	49	16.6
Venango	57	22.2	16.5-28.0		34	25.5	23	16.6
Warren	18	NSR			10	NSR	8	NSR
Southeast	**5,423**	**20.9**	**20.4-21.5**	**+**	**3,600**	**29.0**	**1,823**	**13.8**
Berks	322	15.8	14.1-17.6	-	210	20.7	112	10.7
Bucks	663	22.0	20.3-23.6	+	441	28.7	222	13.9
Chester	343	13.7	12.3-15.2	-	219	17.6	124	9.6
Delaware	760	27.3	25.4-29.3	+	495	36.8	265	18.2
Lancaster	318	12.4	11.1-13.8	-	191	14.8	127	9.4
Montgomery	692	17.0	15.7-18.2	-	447	22.8	245	11.8
Philadelphia	2,169	28.3	27.1-29.5	+	1,483	40.7	686	16.8
Schuylkill	156	21.9	18.4-25.3		114	30.5	42	11.6
South-Central	**1,198**	**14.5**	**13.7-15.3**	**-**	**756**	**18.2**	**442**	**10.3**
Adams	60	12.5	9.3-15.7	-	40	16.0	20	7.8
Bedford	40	17.8	12.3-23.3		26	21.2	14	NSR
Blair	103	17.9	14.4-21.3		60	19.5	43	13.2
Cumberland	143	12.0	10.0-14.0	-	92	15.6	51	8.4
Dauphin	195	13.8	11.8-15.7	-	121	18.5	74	10.6
Franklin	94	12.8	10.2-15.3	-	51	13.8	43	11.1
Fulton	9	NSR			6	NSR	3	NSR
Huntingdon	19	NSR			16	NSR	3	NSR
Juniata	18	NSR			13	NSR	5	NSR
Lebanon	61	9.5	7.1-11.9	-	41	12.4	20	5.8
Mifflin	27	12.8	8.0-17.6	-	18	NSR	9	NSR
Perry	30	14.9	9.6-20.3		12	NSR	18	NSR
York	399	18.5	16.7-20.3		260	24.0	139	12.5
Southwest	**3,141**	**23.9**	**23.1-24.8**	**+**	**1,986**	**30.2**	**1,155**	**16.6**
Allegheny	1,435	23.3	22.1-24.5	+	916	31.0	519	16.3
Armstrong	74	24.1	18.6-29.6		44	26.0	30	17.4
Beaver	183	23.4	20.0-26.8	+	128	31.1	55	12.5
Butler	163	18.8	15.9-21.7		105	23.0	58	12.4
Cambria	197	30.0	25.8-34.2	+	120	34.3	77	21.5
Fayette	174	27.3	23.2-31.3	+	106	31.8	68	19.7
Greene	54	28.3	20.7-35.8	+	37	37.5	17	NSR
Indiana	82	21.7	17.0-26.4		53	24.1	29	13.1
Somerset	73	19.8	15.3-24.4		48	24.1	25	13.4
Washington	228	24.4	21.3-27.6	+	141	27.8	87	16.3
Westmoreland	478	27.5	25.0-30.0	+	288	32.5	190	20.4
Pennsylvania	**12,473**	**19.8**	**19.5-20.2**		**8,041**	**25.8**	**4,431**	**13.6**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.
+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY DEATHS: ALL POISONING

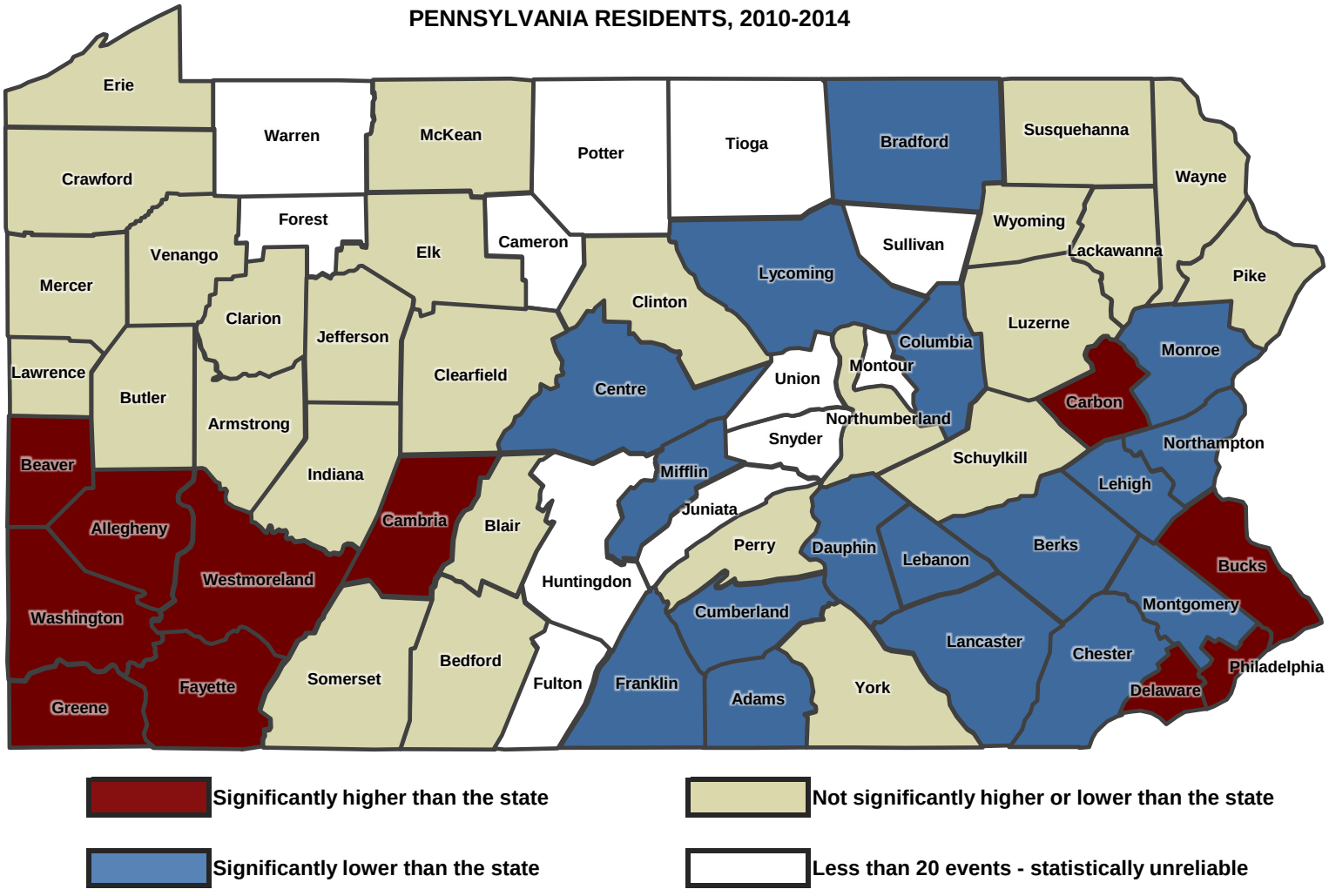
TOTAL NUMBER OF INJURY DEATHS AND ANNUAL DEATH RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**505**	**26.2**	**545**	**38.5**	**356**	**22.5**	**48**	**2.8**	**26**	**1.9**
Carbon	29	40.3	32	63.0	19	28.8	1	NSR	0	NSR
Lackawanna	80	32.3	89	44.4	49	24.5	8	NSR	0	NSR
Lehigh	101	22.1	119	35.8	70	19.8	7	NSR	7	NSR
Luzerne	112	30.9	110	38.0	81	25.8	6	NSR	7	NSR
Monroe	43	19.6	45	31.5	37	21.3	7	NSR	6	NSR
Northampton	75	20.5	81	30.3	48	16.1	11	3.4	6	NSR
Pike	16	23.5	19	49.2	16	27.5	3	NSR	0	NSR
Susquehanna	18	37.4	20	62.2	10	25.0	0	NSR	0	NSR
Wayne	13	24.4	18	45.1	22	42.5	5	NSR	0	NSR
Wyoming	18	54.0	12	50.5	4	NSR	0	NSR	0	NSR
North-Central	**139**	**16.8**	**141**	**18.2**	**86**	**13.6**	**26**	**3.7**	**6**	**NSR**
Bradford	15	19.6	13	26.6	11	18.8	2	NSR	0	NSR
Centre	19	10.7	18	7.0	14	11.3	7	NSR	1	NSR
Clinton	5	NSR	10	23.9	14	41.3	2	NSR	0	NSR
Columbia	19	23.7	17	23.9	4	NSR	2	NSR	0	NSR
Lycoming	21	15.2	32	28.3	16	14.9	8	NSR	3	NSR
Montour	7	NSR	5	NSR	2	NSR	0	NSR	0	NSR
Northumberland	19	18.1	26	31.8	20	22.0	5	NSR	2	NSR
Potter	5	NSR	5	NSR	2	NSR	0	NSR	0	NSR
Snyder	8	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Sullivan	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	11	21.7	7	NSR	0	NSR	0	NSR	0	NSR
Union	6	NSR	4	NSR	3	NSR	0	NSR	0	NSR
Northwest	**291**	**26.3**	**306**	**37.3**	**199**	**23.1**	**32**	**3.2**	**5**	**NSR**
Cameron	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	14	29.9	8	NSR	3	NSR	0	NSR	0	NSR
Clearfield	27	31.0	18	25.3	16	18.7	3	NSR	0	NSR
Crawford	25	22.7	31	41.9	21	25.8	4	NSR	1	NSR
Elk	17	48.3	9	NSR	4	NSR	0	NSR	0	NSR
Erie	68	18.9	92	32.7	79	30.8	18	6.2	4	NSR
Forest	5	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Jefferson	16	30.0	14	37.7	8	NSR	2	NSR	0	NSR
Lawrence	29	27.6	49	67.6	17	20.6	0	NSR	0	NSR
McKean	15	29.5	16	42.1	4	NSR	0	NSR	0	NSR
Mercer	38	27.3	42	43.6	32	30.2	5	NSR	0	NSR
Venango	26	41.5	17	40.5	14	28.3	0	NSR	0	NSR
Warren	10	21.8	7	NSR	1	NSR	0	NSR	0	NSR
Southeast	**1,263**	**19.1**	**1,760**	**33.6**	**1,913**	**38.1**	**395**	**7.7**	**92**	**2.5**
Berks	99	18.1	112	29.6	83	20.3	16	3.8	12	3.8
Bucks	94	12.3	227	44.6	239	36.9	88	12.2	15	3.1
Chester	121	17.6	108	24.8	98	18.5	10	1.9	6	NSR
Delaware	257	34.9	251	46.1	227	42.2	19	3.3	6	NSR
Lancaster	76	10.6	98	19.7	106	21.7	26	5.0	12	2.9
Montgomery	170	17.0	194	27.0	245	29.4	69	8.1	14	2.2
Philadelphia	387	19.5	716	35.3	881	62.0	162	12.1	23	2.4
Schuylkill	59	36.9	54	43.0	34	22.5	5	NSR	4	NSR
South-Central	**374**	**17.9**	**387**	**25.5**	**348**	**20.8**	**72**	**4.0**	**17**	**1.2**
Adams	27	21.7	22	25.6	8	NSR	3	NSR	0	NSR
Bedford	17	29.7	13	34.9	8	NSR	2	NSR	0	NSR
Blair	38	25.4	38	34.1	22	18.7	5	NSR	0	NSR
Cumberland	52	18.3	45	19.2	36	15.4	8	NSR	2	NSR
Dauphin	61	18.0	52	19.8	64	24.4	13	4.5	5	NSR
Franklin	18	9.2	26	20.0	41	27.6	8	NSR	1	NSR
Fulton	4	NSR	5	NSR	0	NSR	0	NSR	0	NSR
Huntingdon	10	19.5	5	NSR	4	NSR	0	NSR	0	NSR
Juniata	6	NSR	7	NSR	5	NSR	0	NSR	0	NSR
Lebanon	20	11.7	19	16.3	15	11.6	5	NSR	2	NSR
Mifflin	13	22.4	9	NSR	5	NSR	0	NSR	0	NSR
Perry	10	17.5	15	39.3	5	NSR	0	NSR	0	NSR
York	98	17.6	131	33.8	135	29.7	28	6.0	7	NSR
Southwest	**731**	**24.2**	**1,102**	**43.7**	**1,050**	**41.4**	**204**	**6.7**	**54**	**2.2**
Allegheny	279	20.5	484	37.7	529	47.1	109	8.2	34	3.3
Armstrong	17	22.5	33	62.0	19	28.6	5	NSR	0	NSR
Beaver	67	35.2	67	47.3	43	27.2	5	NSR	1	NSR
Butler	61	26.7	58	37.8	37	19.6	7	NSR	0	NSR
Cambria	32	20.3	70	58.1	78	60.2	12	7.4	5	NSR
Fayette	47	31.7	77	67.5	44	33.1	6	NSR	0	NSR
Greene	21	48.8	18	49.6	15	38.8	0	NSR	0	NSR
Indiana	29	27.0	33	33.3	16	22.0	4	NSR	0	NSR
Somerset	30	37.5	21	32.7	17	22.2	5	NSR	0	NSR
Washington	60	25.2	87	50.7	66	32.8	11	4.6	4	NSR
Westmoreland	88	22.4	154	54.8	186	53.2	40	9.2	10	2.8
Pennsylvania	**3,303**	**21.2**	**4,241**	**34.5**	**3,952**	**32.1**	**777**	**5.8**	**200**	**2.0**

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 POISONING

AGE-ADJUSTED DEATH RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



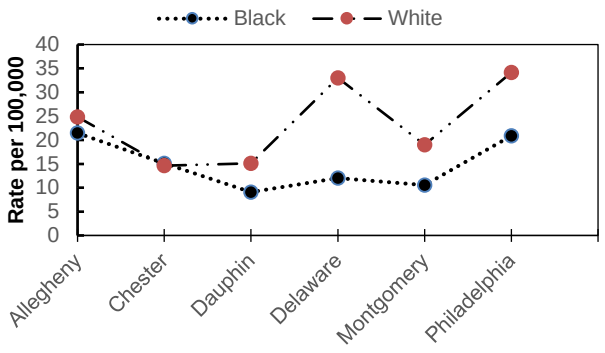
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: ALL POISONING

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	179	21.4	18.3-24.6
Chester	24	15.1	9.1-21.2
Dauphin	24	9.1	5.4-12.7
Delaware	68	12.0	9.2-14.9
Montgomery	40	10.5	7.3-13.8
Philadelphia	700	20.9	19.3-22.4
Pennsylvania	1,227	17.3	16.3-18.2



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	1,232	24.9	23.5-26.2
Chester	312	14.6	13.0-16.2
Dauphin	160	15.1	12.8-17.5
Delaware	650	33.0	30.5-35.6
Montgomery	626	19.0	17.5-20.5
Philadelphia	1,196	34.1	32.2-36.1
Pennsylvania	10,614	20.5	20.1-20.9

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	118	61	**179**	12.5%	5	NSR	22	12.3	45	31.2	95	63.3	12	12.9
	White	81.4%	782	450	**1,232**	86.0%	20	2.0	397	39.4	445	48.3	317	27.5	53	5.7
Chester	Black	6.3%	17	7	**24**	7.0%	0	NSR	3	NSR	7	NSR	12	42.4	2	NSR
	White	86.9%	198	114	**312**	91.0%	12	2.1	103	28.3	100	21.9	83	17.0	14	4.4
Dauphin	Black	18.5%	14	10	**24**	12.3%	1	NSR	3	NSR	5	NSR	13	29.2	2	NSR
	White	74.2%	98	62	**160**	82.1%	3	NSR	53	28.3	39	19.9	49	20.9	16	9.6
Delaware	Black	20.5%	43	25	**68**	8.9%	3	NSR	10	7.6	23	20.2	32	35.6	0	NSR
	White	72.1%	420	230	**650**	85.5%	11	2.4	218	59.3	215	56.6	182	39.8	24	6.8
Montgomery	Black	9.1%	26	14	**40**	5.8%	1	NSR	12	15.9	11	13.9	13	19.6	3	NSR
	White	81.6%	402	224	**626**	90.6%	10	1.3	206	36.9	188	28.2	189	25.7	33	5.8
Philadelphia	Black	44.1%	471	229	**700**	32.4%	7	NSR	110	14.4	255	40.0	294	48.1	34	8.9
	White	44.7%	813	383	**1,196**	55.3%	13	1.8	375	37.6	448	72.2	320	51.9	40	7.8
Pennsylvania	Black	11.3%	814	413	**1,227**	9.9%	20	0.9	204	12.4	430	30.8	513	41.6	60	8.5
	White	83.1%	6,778	3,835	**10,613**	85.3%	225	1.9	3,445	35.4	3,634	35.6	2,772	23.6	538	5.8

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC ACCIDENTS

In 2014, among Pennsylvania residents, there were 1,194 deaths due to motor vehicle traffic (MVT) accidents. On average, one resident died every seven hours.

Injury Definition

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

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

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

HIGHLIGHTS

- Age-adjusted rates generally **decreased** from 2010 to 2014.
- Most common demographic is **white males**, ages 20 to 29.
- Of all Pennsylvania counties, **Fulton**, **Susquehanna, Elk** and **Bedford** had the highest rates of over 26.0.

Trends Over Time

- Age-adjusted death rates for MVT injury increased slightly by 1 percent from 10.2 deaths per 100,000 population in 2010 to 10.3 deaths in 2011. Rates then decreased steadily by 15 percent deaths per 100,000 population in 2014.
- Males had higher age-adjusted MVT death rates than females during 2010 to 2014 (2014 MVT death rates were 12.8 and 5.0 for males and females, respectively).
- Rural populations had significantly higher age-adjusted MVT death rates than urban populations for all age groups during the 2010 to 2014 period.

Demographic Trends

- Males had significantly higher MVT death rates than females for all age groups except ages10-14. Males accounted for over 70 percent of all MVT deaths in Pennsylvania during 2010 to 2014.
- Among males, blacks had significantly higher MVT death rates for ages under 5 and 30-34 where rates could be calculated, while whites had significantly higher MVT death rates for ages 15-24, 40-54 where rates could be calculated.
- Among females, whites had higher MVT death rates for all age groups except ages 55-59 where rates could be calculated during the 2010 to 2014 period.

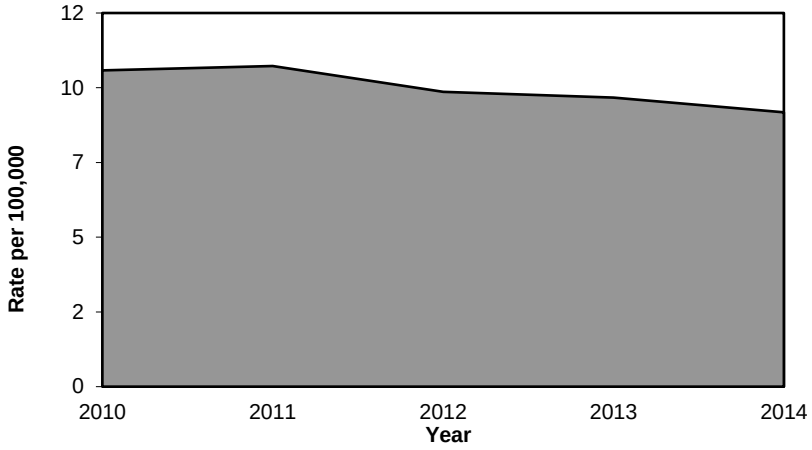
Regional Trends

- The Northwest Health District had the highest age-adjusted MVT death rate, while the Southeast Health District had the lowest rate.
- Twenty-nine counties had age-adjusted MVT death rates that were significantly higher than the comparable state rate for 2010 to 2014. All the counties were rural.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES, PENNSYLVANIA RESIDENTS, 2010-2014

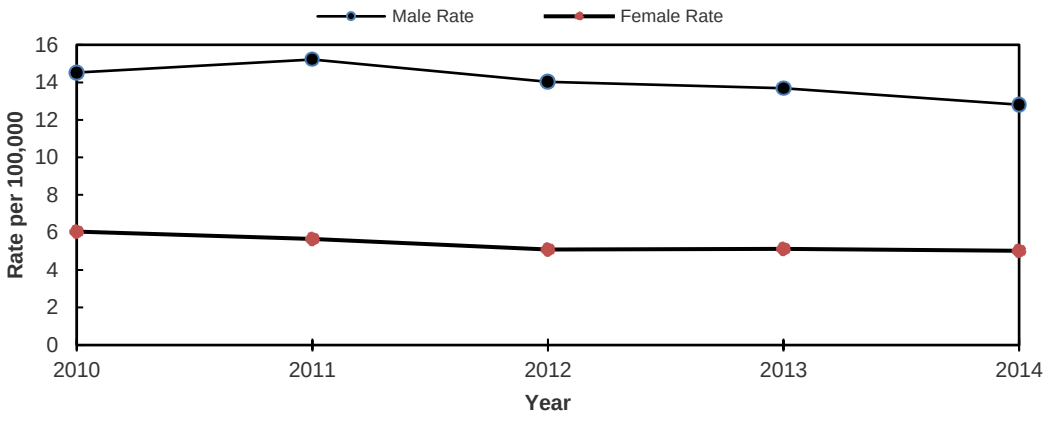
Year	No.	Rate
2010	1,328	10.2
2011	1,381	10.3
2012	1,259	9.5
2013	1,251	9.3
2014	1,194	8.8



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

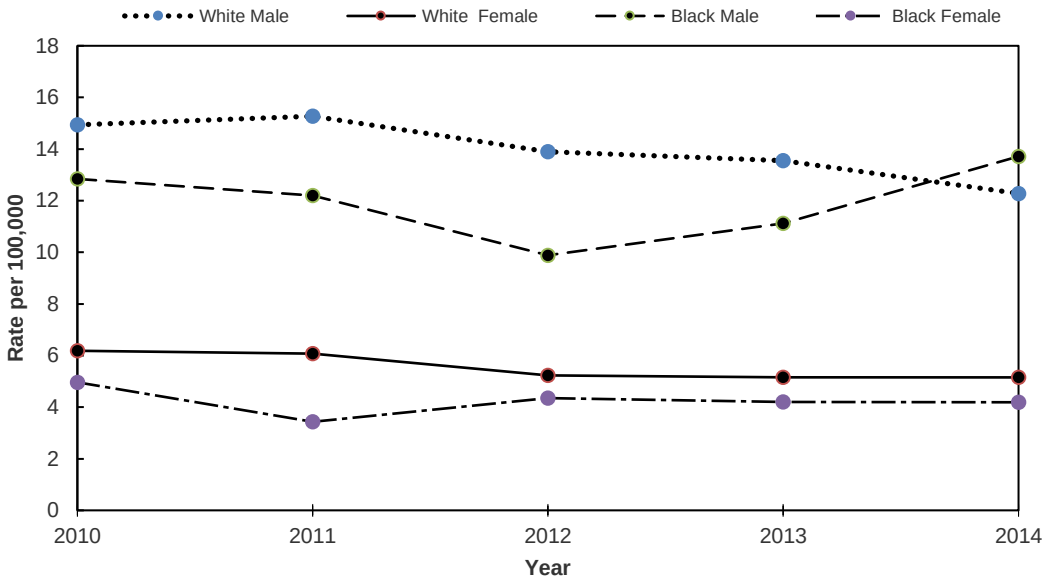
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	913	14.5	2010	415	6.0
2011	972	15.2	2011	409	5.7
2012	900	14.0	2012	359	5.1
2013	882	13.7	2013	369	5.1
2014	834	12.8	2014	360	5.0



INJURY DEATHS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF INJURY DEATHS AND DEATH RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates			
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	780	349	84	36	2010	14.9	6.2	12.8	5.0
2011	829	370	82	27	2011	15.3	6.1	12.2	3.4
2012	756	311	71	34	2012	13.9	5.2	9.9	4.3
2013	738	315	76	33	2013	13.5	5.2	11.1	4.2
2014	681	315	95	32	2014	12.3	5.2	13.7	4.2



AGE-ADJUSTED DEATH RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	11.6	22.1	4.4	10.7
2011	13.0	21.1	4.2	9.5
2012	11.5	20.5	4.2	7.6
2013	11.5	19.4	3.9	8.5
2014	10.7	18.4	4.1	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 BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**6,413**	**10.1**	**4,501**	**14.5**	**1,912**	**5.9**		**3,793**	**8.2**	**2,620**	**15.2**	
< 5	51	1.4	32	1.7	19	1.1	*	29	1.1	22	2.5	*
5-9	50	1.3	30	1.6	20	1.1	*	28	1.0	22	2.3	*
10-14	45	1.2	23	1.2	22	1.2		27	0.9	18	1.8	*
15-19	530	12.2	358	16.2	172	8.1	*	280	8.9	250	21.1	*
20-24	832	18.9	637	28.6	195	9.0	*	503	15.8	329	27.0	*
25-29	582	14.3	424	20.6	158	7.9	*	356	11.4	226	24.0	*
30-34	410	10.7	317	16.5	93	4.9	*	257	8.9	153	16.4	*
35-39	369	10.1	289	15.9	80	4.4	*	209	7.8	160	16.7	*
40-44	386	9.3	286	13.9	100	4.8	*	218	7.2	168	15.1	*
45-49	473	10.5	349	15.7	124	5.4	*	289	8.8	184	14.9	*
50-54	509	10.5	381	16.0	128	5.2	*	305	8.7	204	15.2	*
55-59	403	8.8	291	12.9	112	4.8	*	250	7.6	153	11.7	*
60-64	338	8.6	258	13.6	80	3.9	*	197	7.1	141	12.3	*
65-69	313	10.3	196	13.7	117	7.3	*	180	8.5	133	14.6	*
70-74	284	12.5	162	15.7	122	9.8	*	168	10.7	116	16.5	*
75-79	245	13.6	151	19.6	94	9.2	*	133	10.6	112	20.6	*
80-84	283	18.8	147	24.8	136	14.9	*	159	14.9	124	28.4	*
85 +	310	19.3	170	33.1	140	12.8	*	205	17.7	105	23.5	*

* 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: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**3,784**	**14.6**	**408**	**11.8**		**1,660**	**6.1**	**162**	**4.3**	
< 5	18	1.3	10	3.6	*	16	1.2	2	NSR	
5-9	19	1.3	7	NSR		18	1.3	2	NSR	
10-14	14	0.9	6	NSR		16	1.1	5	NSR	
15-19	293	16.9	31	9.6	*	143	8.6	13	4.3	*
20-24	517	29.7	57	17.4	*	156	9.2	23	7.1	*
25-29	324	19.6	56	21.7		130	8.2	21	7.9	
30-34	247	15.9	48	20.8	*	81	5.4	8	3.3	
35-39	229	15.4	34	16.1		68	4.6	10	4.4	
40-44	241	14.1	25	11.1	*	84	4.9	10	4.1	
45-49	298	15.7	34	14.7		106	5.5	12	4.7	
50-54	321	15.4	27	11.9	*	104	4.9	17	6.6	*
55-59	251	12.6	25	12.9		100	4.9	11	4.9	
60-64	235	13.8	17	11.6		70	3.9	6	NSR	
65-69	181	14.0	8	NSR		105	7.4	7	NSR	
70-74	147	15.7	10	14.8		114	10.3	2	NSR	
75-79	143	20.2	5	NSR		86	9.3	5	NSR	
80-84	141	25.5	5	NSR		128	15.3	7	NSR	
85 +	165	34.2	3	NSR		135	13.3	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.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF INJURY DEATHS BY SEX, AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**901**	**10.9**	**10.2-11.6**	**+**	**642**	**16.3**	**259**	**6.4**
Carbon	51	15.2	11.0-19.3	+	31	19.3	20	12.2
Lackawanna	118	10.2	8.4-12.0		87	16.9	31	5.6
Lehigh	162	8.7	7.4-10.1		112	13.0	50	5.5
Luzerne	185	11.2	9.6-12.8		133	16.9	52	6.4
Monroe	123	15.0	12.4-17.7	+	92	22.1	31	7.3
Northampton	124	7.9	6.5-9.3	-	92	12.6	32	4.2
Pike	28	10.1	6.4-13.9		14	NSR	14	NSR
Susquehanna	53	26.7	19.5-33.9	+	42	39.1	11	NSR
Wayne	32	11.0	7.2-14.9		22	16.0	10	NSR
Wyoming	25	19.8	12.0-27.6	+	17	NSR	8	NSR
North-Central	**496**	**12.8**	**11.7-14.0**	**+**	**330**	**18.6**	**166**	**9.5**
Bradford	56	17.9	13.2-22.6	+	36	23.3	20	12.7
Centre	62	7.6	5.7-9.5	-	43	10.6	19	NSR
Clinton	34	15.6	10.4-20.9	+	21	21.7	13	NSR
Columbia	53	14.6	10.7-18.5	+	40	24.8	13	NSR
Lycoming	80	12.5	9.8-15.2	+	63	22.0	17	NSR
Montour	12	NSR			3	NSR	9	NSR
Northumberland	69	14.8	11.3-18.3	+	43	18.2	26	11.0
Potter	16	NSR			13	NSR	3	NSR
Snyder	31	14.1	9.1-19.0		17	NSR	14	NSR
Sullivan	9	NSR			6	NSR	3	NSR
Tioga	50	23.0	16.7-29.4	+	33	31.6	17	NSR
Union	24	9.0	5.4-12.6		12	NSR	12	NSR
Northwest	**658**	**13.8**	**12.8-14.9**	**+**	**477**	**20.9**	**181**	**7.8**
Cameron	6	NSR			4	NSR	2	NSR
Clarion	33	18.3	12.1-24.6	+	27	28.1	6	NSR
Clearfield	66	15.1	11.4-18.7	+	48	22.8	18	NSR
Crawford	82	18.6	14.6-22.7	+	60	27.9	22	9.8
Elk	41	26.3	18.2-34.3	+	28	35.5	13	NSR
Erie	150	10.2	8.6-11.9		110	15.9	40	5.6
Forest	12	NSR			9	NSR	3	NSR
Jefferson	30	14.2	9.1-19.3		26	23.4	4	NSR
Lawrence	53	10.9	8.0-13.8		40	18.5	13	NSR
McKean	37	17.6	12.0-23.3	+	23	20.9	14	NSR
Mercer	70	11.9	9.1-14.6		49	17.3	21	7.1
Venango	51	18.1	13.1-23.1	+	34	25.5	17	NSR
Warren	27	13.6	8.5-18.8		19	NSR	8	NSR
Southeast	**1,981**	**7.4**	**7.1-7.7**	**-**	**1,396**	**11.2**	**585**	**4.4**
Berks	190	8.9	7.6-10.1		136	13.4	54	5.1
Bucks	263	8.4	7.4-9.4	-	179	11.7	84	5.3
Chester	185	7.4	6.4-8.5	-	132	10.6	53	4.1
Delaware	155	5.2	4.4-6.0	-	110	8.2	45	3.1
Lancaster	294	10.9	9.6-12.1		210	16.3	84	6.2
Montgomery	227	5.6	4.8-6.3	-	156	8.0	71	3.4
Philadelphia	532	6.5	6.0-7.1	-	380	10.4	152	3.7
Schuylkill	135	18.0	15.0-21.1	+	93	24.8	42	11.6
South-Central	**1,026**	**11.9**	**11.1-12.6**	**+**	**713**	**17.2**	**313**	**7.3**
Adams	63	12.7	9.6-15.9		46	18.4	17	NSR
Bedford	59	26.2	19.5-32.9	+	43	35.0	16	NSR
Blair	80	12.0	9.4-14.6		54	17.5	26	8.0
Cumberland	103	8.3	6.7-9.9		63	10.7	40	6.6
Dauphin	113	8.1	6.6-9.6		84	12.9	29	4.2
Franklin	99	13.2	10.6-15.8	+	64	17.3	35	9.1
Fulton	23	32.9	19.4-46.3	+	13	NSR	10	NSR
Huntingdon	55	22.4	16.5-28.4	+	32	26.3	23	21.4
Juniata	30	22.9	14.7-31.1	+	24	39.0	6	NSR
Lebanon	86	12.1	9.5-14.6		62	18.8	24	7.0
Mifflin	42	17.0	11.9-22.2	+	28	24.4	14	NSR
Perry	53	23.2	17.0-29.5	+	36	31.4	17	NSR
York	220	9.8	8.5-11.1		164	15.2	56	5.1
Southwest	**1,351**	**9.5**	**9.0-10.0**		**943**	**14.3**	**408**	**5.9**
Allegheny	398	5.9	5.3-6.5	-	286	9.7	112	3.5
Armstrong	60	17.6	13.2-22.1	+	47	27.8	13	NSR
Beaver	92	10.2	8.1-12.3		66	16.0	26	5.9
Butler	102	10.7	8.6-12.8		66	14.5	36	7.7
Cambria	88	11.8	9.3-14.2		56	16.0	32	9.0
Fayette	111	17.6	14.3-20.8	+	77	23.1	34	9.9
Greene	44	21.5	15.1-27.8	+	33	33.4	11	NSR
Indiana	73	16.8	12.9-20.7	+	50	22.7	23	10.4
Somerset	69	17.3	13.2-21.4	+	48	24.1	21	11.3
Washington	118	10.9	8.9-12.8		78	15.4	40	7.5
Westmoreland	196	11.1	9.5-12.6		136	15.4	60	6.5
Pennsylvania	**6,413**	**9.6**	**9.4-9.8**		**4,501**	**14.5**	**1,912**	**5.9**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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

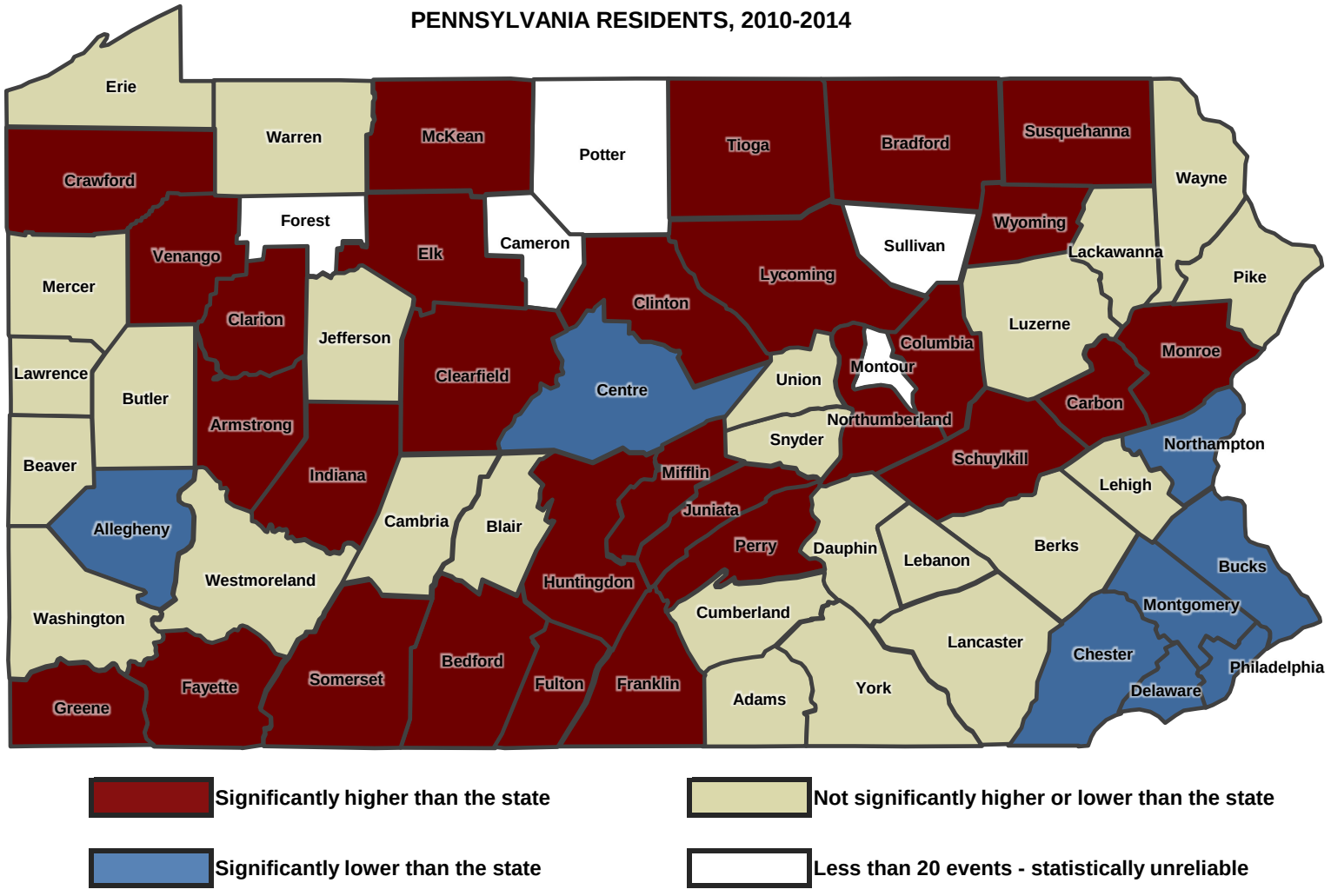
TOTAL NUMBER OF INJURY DEATHS AND ANNUAL DEATH RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**165**	**8.6**	**211**	**14.9**	**207**	**13.1**	**158**	**9.1**	**160**	**11.8**
Carbon	14	19.4	12	23.6	11	16.7	9	NSR	5	NSR
Lackawanna	19	7.7	24	12.0	26	13.0	24	10.5	25	12.9
Lehigh	38	8.3	25	7.5	33	9.3	30	8.4	36	13.3
Luzerne	18	5.0	45	15.5	48	15.3	35	10.2	39	13.2
Monroe	16	7.3	35	24.5	28	16.1	19	10.0	25	21.4
Northampton	8	NSR	36	13.5	30	10.1	21	6.6	29	11.8
Pike	8	NSR	7	NSR	7	NSR	6	NSR	0	NSR
Susquehanna	23	47.8	14	43.6	10	25.0	5	NSR	1	NSR
Wayne	11	20.7	6	NSR	10	19.3	5	NSR	0	NSR
Wyoming	10	30.0	7	NSR	4	NSR	4	NSR	0	NSR
North-Central	**166**	**20.0**	**103**	**13.3**	**95**	**15.0**	**76**	**10.7**	**56**	**9.7**
Bradford	22	28.7	10	20.5	10	17.1	10	14.2	4	NSR
Centre	24	13.5	8	NSR	11	8.9	12	9.6	7	NSR
Clinton	10	20.0	8	NSR	7	NSR	5	NSR	4	NSR
Columbia	12	15.0	11	15.5	10	16.8	10	14.5	10	17.9
Lycoming	25	18.1	18	15.9	18	16.7	12	9.6	7	7.1
Montour	5	NSR	3	NSR	4	NSR	0	NSR	0	NSR
Northumberland	27	25.8	12	14.7	8	NSR	10	9.6	12	13.4
Potter	5	NSR	5	NSR	6	NSR	0	NSR	0	NSR
Snyder	10	19.1	4	NSR	6	NSR	6	NSR	5	NSR
Sullivan	6	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Tioga	10	19.8	12	31.8	12	32.2	9	NSR	7	NSR
Union	10	19.6	9	NSR	3	NSR	2	NSR	0	NSR
Northwest	**204**	**18.4**	**150**	**18.3**	**133**	**15.4**	**123**	**12.1**	**48**	**5.9**
Cameron	4	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Clarion	13	27.8	10	23.9	4	NSR	6	NSR	0	NSR
Clearfield	21	24.1	15	21.1	12	14.0	16	18.0	2	NSR
Crawford	22	20.0	20	27.0	24	29.5	12	12.3	4	NSR
Elk	14	39.8	8	NSR	12	37.5	5	NSR	2	NSR
Erie	34	9.4	33	11.7	33	12.9	31	10.6	19	9.0
Forest	6	NSR	6	NSR	0	NSR	0	NSR	0	NSR
Jefferson	17	31.9	6	NSR	4	NSR	3	NSR	0	NSR
Lawrence	10	9.5	10	13.8	7	NSR	14	13.6	12	13.8
McKean	10	19.6	11	28.9	8	NSR	6	NSR	2	NSR
Mercer	28	20.1	11	11.4	14	13.2	13	10.3	4	NSR
Venango	13	20.7	10	23.8	10	20.2	15	22.7	3	NSR
Warren	12	26.2	8	NSR	5	NSR	2	NSR	0	NSR
Southeast	**367**	**5.6**	**525**	**10.0**	**376**	**7.5**	**337**	**6.6**	**376**	**10.2**
Berks	55	10.0	33	8.7	49	12.0	27	6.5	26	8.3
Bucks	66	8.6	56	11.0	49	7.6	43	6.0	49	10.0
Chester	55	8.0	39	9.0	37	7.0	22	4.1	32	9.2
Delaware	25	3.4	36	6.6	29	5.4	26	4.5	39	9.5
Lancaster	39	5.4	90	18.1	53	10.9	46	8.9	66	16.0
Montgomery	56	5.6	50	7.0	41	4.9	32	3.8	48	7.6
Philadelphia	52	2.6	186	9.2	93	6.5	117	8.7	84	8.9
Schuylkill	19	11.9	35	27.9	25	16.5	24	14.8	32	23.4
South-Central	**311**	**14.9**	**221**	**14.6**	**210**	**12.6**	**175**	**9.8**	**109**	**7.9**
Adams	26	20.9	12	13.9	14	13.9	4	NSR	7	NSR
Bedford	23	40.2	19	51.0	12	24.8	5	NSR	0	NSR
Blair	27	18.1	13	11.7	18	15.3	11	8.0	11	9.4
Cumberland	42	14.8	22	9.4	16	6.8	17	6.8	6	NSR
Dauphin	18	5.3	23	8.8	26	9.9	28	9.7	18	9.2
Franklin	27	13.8	21	16.2	20	13.5	17	11.2	14	10.7
Fulton	13	72.5	6	NSR	4	NSR	0	NSR	0	NSR
Huntingdon	12	23.3	14	32.5	7	NSR	14	28.8	8	NSR
Juniata	11	35.2	8	NSR	7	NSR	4	NSR	0	NSR
Lebanon	28	16.4	12	10.3	19	14.8	14	10.1	13	10.9
Mifflin	11	19.0	12	32.3	10	22.5	7	NSR	2	NSR
Perry	16	28.1	12	31.4	13	27.6	10	18.9	2	NSR
York	57	10.3	47	12.1	44	9.7	44	9.5	28	8.5
Southwest	**267**	**8.8**	**325**	**12.9**	**267**	**10.5**	**229**	**7.5**	**263**	**10.9**
Allegheny	34	2.5	105	8.2	66	5.9	84	6.3	109	10.5
Armstrong	22	29.1	8	NSR	15	22.6	10	12.4	5	NSR
Beaver	32	16.8	16	11.3	22	13.9	15	7.5	7	NSR
Butler	29	12.7	21	13.7	18	9.5	20	9.7	14	9.4
Cambria	15	9.5	26	21.6	9	NSR	11	6.8	27	19.7
Fayette	20	13.5	34	29.8	29	21.8	12	7.7	16	12.7
Greene	22	51.1	9	NSR	10	25.9	3	NSR	0	NSR
Indiana	8	NSR	21	21.2	15	20.6	10	11.0	19	26.4
Somerset	26	32.5	14	21.8	10	13.1	10	11.2	9	NSR
Washington	38	16.0	17	9.9	27	13.4	16	6.6	20	10.6
Westmoreland	21	5.3	54	19.2	46	13.1	38	8.8	37	10.4
Pennsylvania	**1,480**	**9.5**	**1,535**	**12.5**	**1,288**	**10.5**	**1,098**	**8.2**	**1,012**	**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

AGE-ADJUSTED DEATH RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



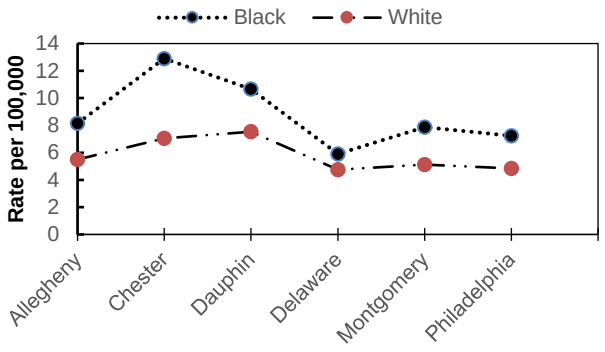
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: MOTOR VEHICLE TRAFFIC

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	65	8.2	6.2-10.1
Chester	20	12.9	7.2-18.6
Dauphin	25	10.6	6.5-14.8
Delaware	34	5.9	3.9-7.9
Montgomery	30	7.9	5.1-10.7
Philadelphia	252	7.2	6.3-8.1
Pennsylvania	570	7.9	7.2-8.5



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	314	5.5	4.9-6.1
Chester	155	7.1	5.9-8.2
Dauphin	84	7.5	5.9-9.1
Delaware	112	4.7	3.9-5.6
Montgomery	175	5.1	4.4-5.9
Philadelphia	182	4.8	4.1-5.5
Pennsylvania	5,444	9.7	9.4-9.9

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	41	24	**65**	16.5%	7	NSR	20	11.2	17	11.8	13	8.7	8	NSR
	White	81.4%	230	84	**314**	79.7%	25	2.5	76	7.5	46	5.0	66	5.7	101	10.8
Chester	Black	6.3%	16	4	**20**	10.8%	3	NSR	10	27.4	4	NSR	1	NSR	2	NSR
	White	86.9%	107	48	**155**	83.8%	18	3.2	47	12.9	27	5.9	26	5.3	37	11.5
Dauphin	Black	18.5%	20	5	**25**	22.1%	5	NSR	8	NSR	8	NSR	3	NSR	1	NSR
	White	74.2%	62	22	**84**	74.3%	5	NSR	12	6.4	21	10.7	25	10.7	21	12.6
Delaware	Black	20.5%	22	12	**34**	21.9%	5	NSR	14	10.6	8	NSR	6	NSR	1	NSR
	White	72.1%	80	32	**112**	72.3%	9	NSR	20	5.4	14	3.7	27	5.9	42	12.0
Montgomery	Black	9.1%	19	11	**30**	13.3%	7	NSR	7	NSR	9	NSR	3	NSR	4	NSR
	White	81.6%	118	57	**175**	77.4%	11	1.4	57	10.2	27	4.0	29	3.9	51	9.0
Philadelphia	Black	44.1%	174	78	**252**	48.1%	24	2.4	107	14.0	42	6.6	50	8.2	29	7.6
	White	44.7%	125	57	**182**	34.7%	10	1.4	43	4.3	35	5.6	45	7.3	49	9.6
Pennsylvania	Black	11.3%	408	162	**570**	8.9%	76	3.4	213	12.9	125	9.0	103	8.4	53	7.5
	White	83.1%	3,784	1,660	**5,444**	85.3%	537	4.5	1,455	14.9	1,026	10.0	1,081	9.2	1,345	14.5

NOTES: Selected counties had high population(at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: FIREARM-RELATED

In 2014, among Pennsylvania residents, there were 1,385 deaths due to firearm-related injuries and violence. On average, one resident died every six hours.

Injury Definition

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 over 96 percent of all firearm-related deaths in Pa.

HIGHLIGHTS

- Overall, age-adjusted rates **increased** from 2010 to 2014.
- Most common demographic is **black males**, ages 20 to 24.
- Of all Pennsylvania counties, **Elk**, **Philadelphia** and **Clarion** had the highest rates of over 15.0.

Trends Over Time

- Firearm-related injury age-adjusted death rates increased by 11 percent from 10.0 deaths per 100,000 population in 2010 to 11.1 deaths per 100,000 population in 2013. The rate decreased by 6 percent to 10.4 deaths per 100,000 population in 2014.
- Males had significantly higher age-adjusted firearm death rates than females for all age groups where rates could be calculated during 2010 to 2014.
- Urban populations had significantly higher firearm death rates for ages 15 to 34, while rural populations had significantly higher rates for ages 50 and older.

Demographic Trends

- Among males, blacks had significantly higher age-adjusted firearm death rates than whites for ages under 50, while whites had significantly higher rates than blacks for ages 55 and older during 2010 to 2014.
- Among females, blacks had significantly higher rates for ages 15-44 during 2010 to 2014.
- White males accounted for over half of all firearms-related deaths during 2010 to 2014.

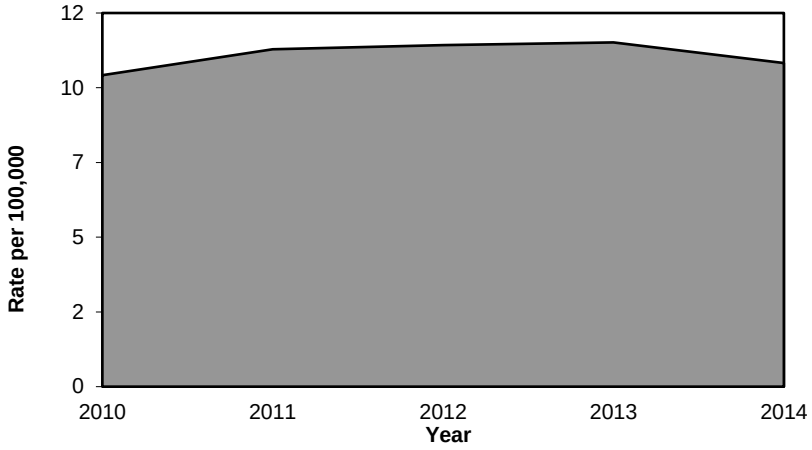
Regional Trends

- The Southeast and Southwest Health Districts had the highest age-adjusted firearm death rates, while the North-Central Health District had the lowest rate.
- Four counties had age-adjusted firearm death rates that were significantly higher than the comparable state rate in 2010 to 2014. These counties were Allegheny, Cambria, Elk and Philadelphia.

INJURY DEATHS: FIREARM-RELATED INJURIES

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES, PENNSYLVANIA RESIDENTS, 2010-2014

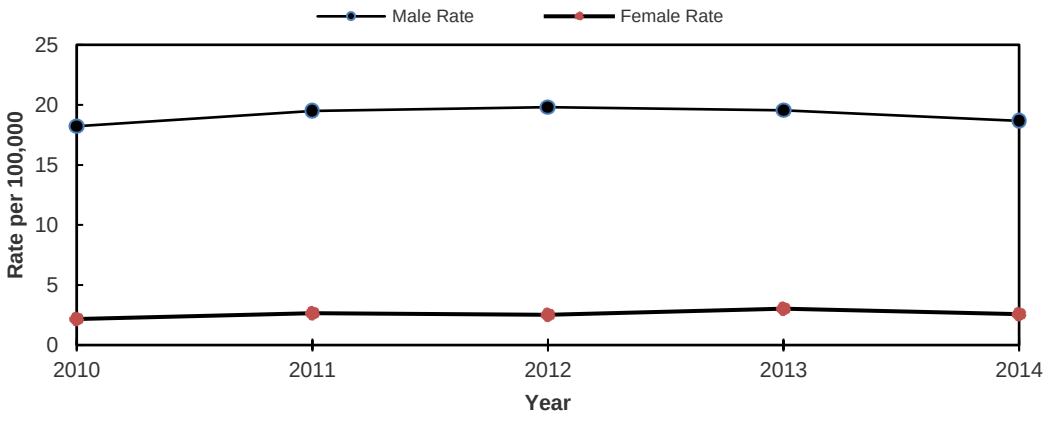
Year	No.	Rate
2010	1,294	10.0
2011	1,417	10.8
2012	1,435	11.0
2013	1,444	11.1
2014	1,385	10.4



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

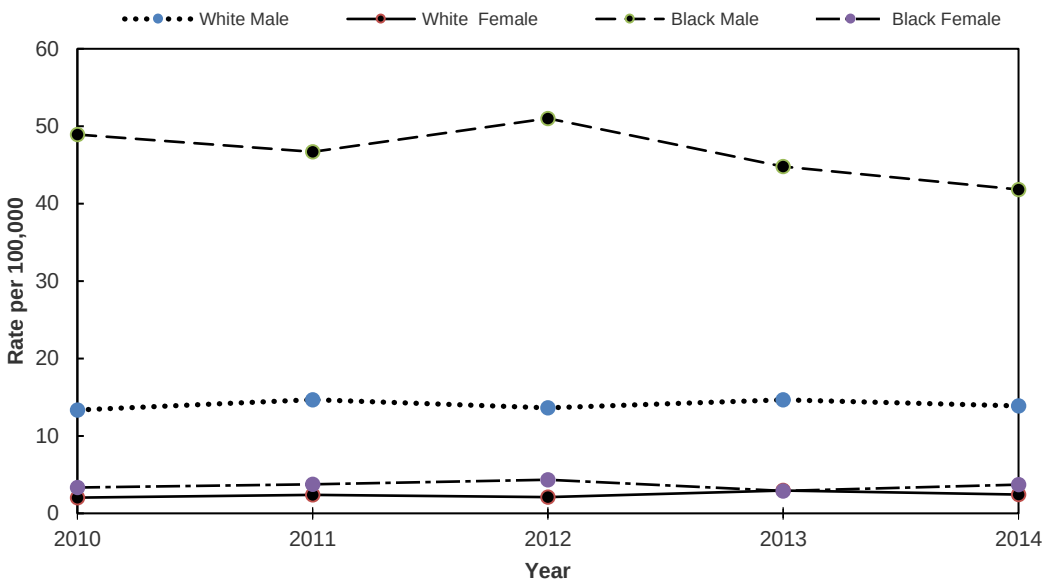
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	1,153	18.2	2010	141	2.2
2011	1,248	19.5	2011	169	2.6
2012	1,265	19.8	2012	170	2.5
2013	1,245	19.5	2013	199	3.0
2014	1,220	18.7	2014	165	2.6



INJURY DEATHS: FIREARM-RELATED INJURIES

TOTAL NUMBER OF INJURY DEATHS AND DEATH RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates				
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	729	112	356	24	2010	13.4	2.0	48.9	3.3
2011	823	132	358	28	2011	14.7	2.4	46.7	3.8
2012	772	124	388	34	2012	13.6	2.1	51.0	4.3
2013	827	165	339	23	2013	14.7	3.0	44.8	2.9
2014	812	133	324	28	2014	13.9	2.4	41.8	3.7



AGE-ADJUSTED DEATH RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	19.0	15.9	2.2	2.1
2011	20.1	18.0	2.6	2.7
2012	20.4	18.0	2.1	3.5
2013	19.7	19.0	2.8	3.5
2014	19.2	16.9	2.7	2.3

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

INJURY DEATHS: FIREARM-RELATED INJURIES

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**6,975**	**10.9**	**6,131**	**19.7**	**844**	**2.6**		**5,102**	**11.0**	**1,873**	**10.8**	
< 5	15	0.4	10	0.5	5	NSR		13	0.5	2	NSR	
5-9	12	0.3	8	NSR	4	NSR		6	NSR	6	NSR	
10-14	44	1.1	37	1.9	7	NSR		30	1.0	14	1.4	
15-19	509	11.7	467	21.1	42	2.0	*	438	13.9	71	6.0	*
20-24	970	22.1	892	40.0	78	3.6	*	837	26.4	133	10.9	*
25-29	722	17.8	641	31.2	81	4.0	*	594	19.0	128	13.6	*
30-34	526	13.8	467	24.4	59	3.1	*	419	14.5	107	11.5	*
35-39	499	13.7	428	23.5	71	3.9	*	375	13.9	124	13.0	
40-44	512	12.4	426	20.8	86	4.1	*	362	12.0	150	13.4	
45-49	569	12.6	467	20.9	102	4.5	*	392	11.9	177	14.4	
50-54	599	12.3	521	21.8	78	3.2	*	398	11.3	201	15.0	*
55-59	534	11.6	456	20.3	78	3.3	*	341	10.4	193	14.8	*
60-64	396	10.1	352	18.5	44	2.2	*	240	8.6	156	13.6	*
65-69	272	9.0	238	16.7	34	2.1	*	170	8.0	102	11.2	*
70-74	253	11.1	224	21.7	29	2.3	*	150	9.5	103	14.7	*
75-79	194	10.8	176	22.8	18	1.8	*	117	9.3	77	14.2	*
80-84	193	12.8	176	29.7	17	1.9	*	118	11.1	75	17.2	*
85 +	156	9.7	145	28.2	11	1.0	*	102	8.8	54	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: FIREARM-RELATED INJURIES

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**3,963**	**15.3**	**1,765**	**50.9**		**666**	**2.5**	**137**	**3.6**	
< 5	6	NSR	3	NSR		4	NSR	1	NSR	
5-9	6	NSR	1	NSR		4	NSR	0	NSR	
10-14	23	1.5	7	NSR		5	NSR	2	NSR	
15-19	127	7.3	290	89.9	*	22	1.3	16	5.2	*
20-24	284	16.3	513	156.7	*	46	2.7	24	7.5	*
25-29	266	16.1	301	116.7	*	52	3.3	24	9.0	*
30-34	220	14.2	202	87.4	*	39	2.6	16	6.5	*
35-39	218	14.7	170	80.6	*	50	3.4	13	5.7	*
40-44	299	17.5	97	43.0	*	65	3.8	16	6.5	*
45-49	388	20.4	62	26.8	*	88	4.6	10	3.9	
50-54	455	21.9	49	21.6		73	3.4	4	NSR	
55-59	415	20.9	28	14.4	*	73	3.6	5	NSR	
60-64	331	19.5	16	10.9	*	41	2.3	2	NSR	
65-69	223	17.3	12	12.2	*	29	2.0	4	NSR	
70-74	215	22.9	5	NSR		29	2.6	0	NSR	
75-79	173	24.5	3	NSR		18	1.9	0	NSR	
80-84	172	31.1	3	NSR		17	2.0	0	NSR	
85 +	142	29.4	3	NSR		11	1.1	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.

INJURY DEATHS: FIREARM-RELATED INJURIES

TOTAL NUMBER OF INJURY DEATHS BY SEX, AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**828**	**9.8**	**9.1-10.5**	**-**	**701**	**17.8**	**127**	**3.1**
Carbon	46	13.6	9.6-17.5		35	21.8	11	NSR
Lackawanna	91	8.0	6.4-9.6	-	78	15.1	13	NSR
Lehigh	174	9.5	8.1-10.9		149	17.3	25	2.7
Luzerne	194	11.7	10.1-13.4		167	21.3	27	3.3
Monroe	87	9.9	7.8-12.0		70	16.8	17	NSR
Northampton	116	7.3	6.0-8.6	-	99	13.5	17	NSR
Pike	33	10.6	7.0-14.3		31	21.8	2	NSR
Susquehanna	27	13.2	8.2-18.1		23	21.4	4	NSR
Wayne	46	14.8	10.5-19.1		37	26.9	9	NSR
Wyoming	14	NSR			12	NSR	2	NSR
North-Central	**314**	**8.4**	**7.4-9.3**	**-**	**268**	**15.1**	**46**	**2.6**
Bradford	40	11.4	7.9-15.0		33	21.4	7	NSR
Centre	50	6.9	5.0-8.8	-	48	11.9	2	NSR
Clinton	14	NSR			12	NSR	2	NSR
Columbia	28	9.1	5.7-12.5		20	12.4	8	NSR
Lycoming	61	10.2	7.7-12.8		53	18.5	8	NSR
Montour	10	NSR			9	NSR	1	NSR
Northumberland	42	7.7		-	34	14.4	8	NSR
Potter	11	NSR			8	NSR	3	NSR
Snyder	19	NSR			18	NSR	1	NSR
Sullivan	4	NSR			3	NSR	1	NSR
Tioga	27	11.1	6.9-15.3		23	22.1	4	NSR
Union	8	NSR			7	NSR	1	NSR
Northwest	**520**	**10.8**	**9.9-11.8**		**453**	**19.8**	**67**	**2.9**
Cameron	4	NSR			2	NSR	2	NSR
Clarion	33	15.5	10.2-20.7		29	30.2	4	NSR
Clearfield	45	9.9	7.0-12.8		38	18.0	7	NSR
Crawford	49	10.7	7.7-13.7		44	20.5	5	NSR
Elk	32	19.6	12.8-26.4	+	29	36.8	3	NSR
Erie	135	9.7	8.0-11.3		111	16.1	24	3.4
Forest	3	NSR			3	NSR	0	NSR
Jefferson	31	12.0	7.8-16.2		29	26.1	2	NSR
Lawrence	61	14.1	10.6-17.7		56	25.8	5	NSR
McKean	20	8.0	4.5-11.5		19	NSR	1	NSR
Mercer	55	9.3	6.8-11.7		48	16.9	7	NSR
Venango	29	10.6	6.8-14.5		25	18.8	4	NSR
Warren	23	9.8	5.8-13.9		20	19.4	3	NSR
Southeast	**2,907**	**11.1**	**10.7-11.6**	**+**	**2,599**	**20.9**	**308**	**2.3**
Berks	231	10.8	9.4-12.2		198	19.5	33	3.1
Bucks	214	6.2	5.4-7.0	-	187	12.2	27	1.7
Chester	153	5.8	4.9-6.7	-	132	10.6	21	1.6
Delaware	275	9.9	8.8-11.1		245	18.2	30	2.1
Lancaster	157	5.7	4.8-6.6	-	135	10.5	22	1.6
Montgomery	243	5.8	5.0-6.5	-	208	10.6	35	1.7
Philadelphia	1,530	18.3	17.3-19.2	+	1,403	38.5	127	3.1
Schuylkill	104	13.3	10.8-15.9		91	24.3	13	NSR
South-Central	**865**	**9.9**	**9.2-10.5**	**-**	**754**	**18.1**	**111**	**2.6**
Adams	51	9.2	6.7-11.7		44	17.6	7	NSR
Bedford	31	11.3	7.3-15.2		29	23.6	2	NSR
Blair	60	8.5	6.4-10.7		51	16.5	9	NSR
Cumberland	96	7.6	6.1-9.2	-	80	13.6	16	NSR
Dauphin	153	11.7	9.9-13.6		134	20.5	19	NSR
Franklin	61	7.9	5.9-9.9	-	53	14.3	8	NSR
Fulton	13	NSR			11	NSR	2	NSR
Huntingdon	35	13.9	9.3-18.4		31	25.5	4	NSR
Juniata	9	NSR			9	NSR	0	NSR
Lebanon	67	9.6	7.3-11.9		63	19.1	4	NSR
Mifflin	23	9.7	5.7-13.6		20	17.5	3	NSR
Perry	23	10.0	5.9-14.0		16	NSR	7	NSR
York	243	10.7	9.4-12.1		213	19.7	30	2.7
Southwest	**1,541**	**11.1**	**10.5-11.7**		**1,356**	**20.6**	**185**	**2.7**
Allegheny	752	12.2	11.4-13.1	+	670	22.7	82	2.6
Armstrong	38	9.9	6.7-13.0		35	20.7	3	NSR
Beaver	93	10.4	8.3-12.5		81	19.7	12	NSR
Butler	82	8.0	6.3-9.7	-	71	15.6	11	NSR
Cambria	99	13.8	11.1-16.5	+	86	24.6	13	NSR
Fayette	79	10.5	8.2-12.8		71	21.3	8	NSR
Greene	21	10.7	6.1-15.2		15	NSR	6	NSR
Indiana	43	10.0	7.0-13.0		39	17.7	4	NSR
Somerset	44	10.8	7.6-13.9		35	17.6	9	NSR
Washington	105	9.5	7.7-11.3		92	18.1	13	NSR
Westmoreland	185	9.3	7.9-10.6		161	18.2	24	2.6
Pennsylvania	**6,975**	**10.7**	**10.4-10.9**		**6,131**	**19.7**	**844**	**2.6**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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 INJURIES

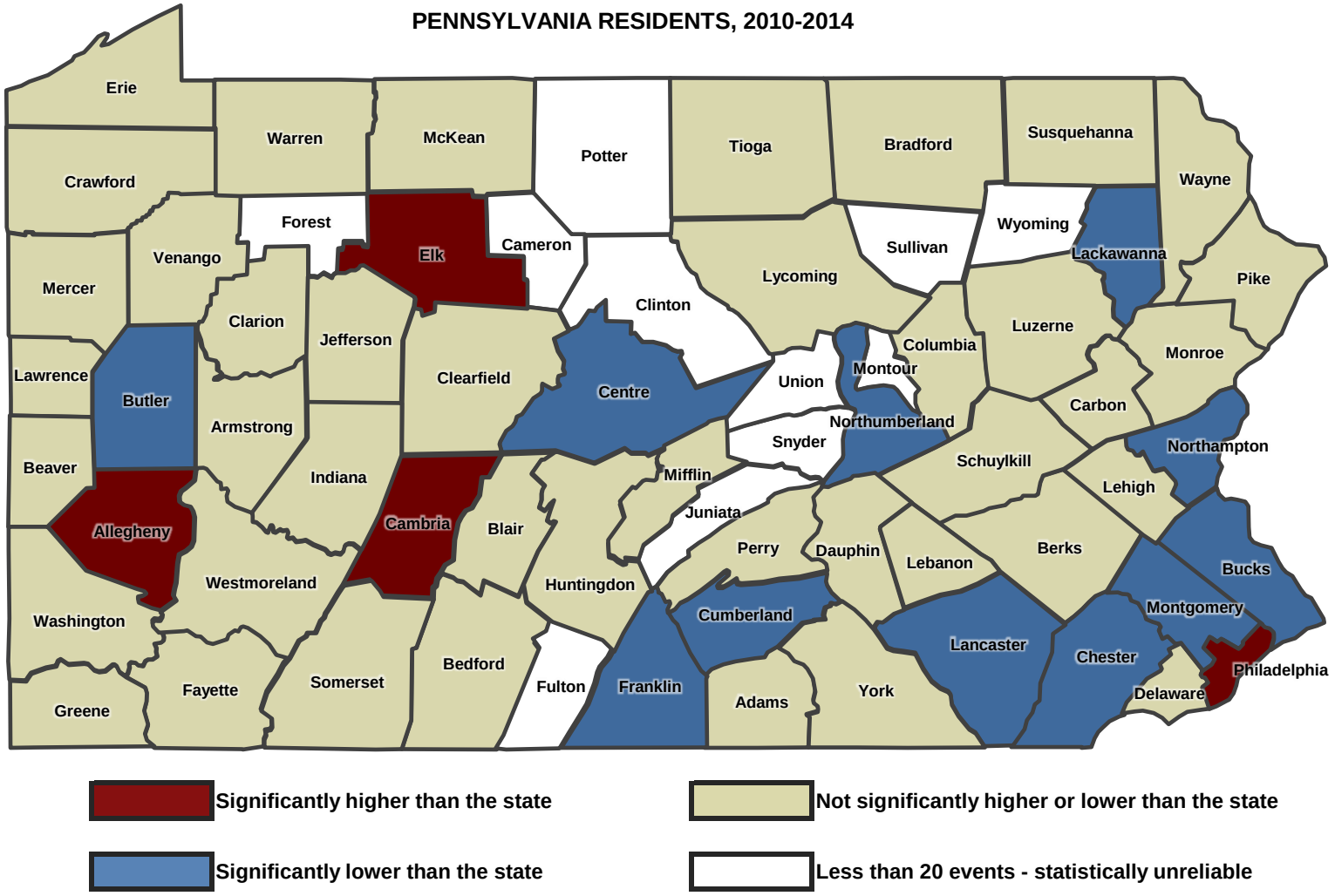
TOTAL NUMBER OF INJURY DEATHS AND ANNUAL DEATH RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**165**	**8.6**	**188**	**13.3**	**229**	**14.5**	**147**	**8.5**	**99**	**7.3**
Carbon	13	18.1	12	23.6	17	25.7	3	NSR	1	NSR
Lackawanna	19	7.7	19	9.5	26	13.0	19	8.4	8	NSR
Lehigh	12	2.6	45	13.6	39	11.0	37	10.4	41	15.1
Luzerne	38	10.5	44	15.2	51	16.3	34	9.9	27	9.2
Monroe	25	11.4	18	12.6	30	17.3	9	NSR	5	NSR
Northampton	22	6.0	28	10.5	38	12.8	21	6.6	7	NSR
Pike	8	NSR	4	NSR	7	NSR	10	14.9	4	NSR
Susquehanna	12	24.9	5	NSR	7	NSR	3	NSR	0	NSR
Wayne	7	NSR	8	NSR	14	27.0	11	17.2	6	NSR
Wyoming	9	NSR	5	NSR	0	NSR	0	NSR	0	NSR
North-Central	**102**	**12.3**	**92**	**11.9**	**77**	**12.2**	**36**	**5.1**	**7**	**NSR**
Bradford	7	NSR	11	22.5	10	17.1	11	15.6	1	NSR
Centre	10	5.6	12	4.6	16	12.9	9	NSR	3	NSR
Clinton	5	NSR	4	NSR	5	NSR	0	NSR	0	NSR
Columbia	15	18.7	6	NSR	7	NSR	0	NSR	0	NSR
Lycoming	25	18.1	14	12.4	13	12.1	6	NSR	3	NSR
Montour	5	NSR	5	NSR	0	NSR	0	NSR	0	NSR
Northumberland	11	10.5	14	17.1	11	12.1	6	NSR	0	NSR
Potter	5	NSR	6	NSR	0	NSR	0	NSR	0	NSR
Snyder	6	NSR	7	NSR	6	NSR	0	NSR	0	NSR
Sullivan	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	5	NSR	9	NSR	9	NSR	4	NSR	0	NSR
Union	4	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Northwest	**128**	**11.6**	**153**	**18.6**	**144**	**16.7**	**67**	**6.6**	**28**	**3.5**
Cameron	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	6	NSR	13	31.0	8	NSR	6	NSR	0	NSR
Clearfield	10	11.5	20	28.1	13	15.2	2	NSR	0	NSR
Crawford	11	10.0	11	14.9	18	22.1	7	NSR	2	NSR
Elk	9	NSR	6	NSR	6	NSR	8	NSR	3	NSR
Erie	27	7.5	37	13.2	39	15.2	18	6.2	14	6.6
Forest	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	11	20.6	9	NSR	9	NSR	2	NSR	0	NSR
Lawrence	13	12.4	20	27.6	17	20.6	8	NSR	3	NSR
McKean	6	NSR	5	NSR	6	NSR	3	NSR	0	NSR
Mercer	17	12.2	10	10.4	17	16.0	6	NSR	5	NSR
Venango	5	NSR	11	26.2	7	NSR	5	NSR	1	NSR
Warren	6	NSR	11	35.2	4	NSR	2	NSR	0	NSR
Southeast	**547**	**8.3**	**1,123**	**21.5**	**711**	**14.2**	**341**	**6.7**	**185**	**5.0**
Berks	74	13.5	38	10.0	68	16.6	27	6.5	24	7.7
Bucks	50	6.5	41	8.1	69	10.6	31	4.3	23	4.7
Chester	40	5.8	25	5.7	42	7.9	32	6.0	14	4.0
Delaware	81	11.0	93	17.1	58	10.8	34	5.9	9	NSR
Lancaster	38	5.3	28	5.6	50	10.2	26	5.0	15	3.6
Montgomery	49	4.9	51	7.1	87	10.5	40	4.7	16	2.5
Philadelphia	193	9.7	825	40.7	304	21.4	134	10.0	74	7.8
Schuylkill	22	13.8	22	17.5	33	21.8	17	10.5	10	7.3
South-Central	**229**	**10.9**	**218**	**14.4**	**240**	**14.4**	**107**	**6.0**	**71**	**5.2**
Adams	9	NSR	24	27.9	12	11.9	4	NSR	2	NSR
Bedford	7	NSR	9	NSR	11	22.8	4	NSR	0	NSR
Blair	12	8.0	13	11.7	21	17.8	12	8.7	2	NSR
Cumberland	24	8.4	21	9.0	23	9.8	16	6.4	12	6.2
Dauphin	69	20.4	42	16.0	30	11.4	9	NSR	3	NSR
Franklin	14	7.2	21	16.2	17	11.4	7	NSR	2	NSR
Fulton	9	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Huntingdon	8	NSR	12	27.8	10	21.7	4	NSR	1	NSR
Juniata	5	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Lebanon	15	8.8	18	15.4	21	16.3	7	NSR	6	NSR
Mifflin	4	NSR	5	NSR	10	22.5	4	NSR	0	NSR
Perry	9	NSR	7	NSR	6	NSR	1	NSR	0	NSR
York	44	7.9	39	10.1	78	17.2	39	8.4	43	13.1
Southwest	**280**	**9.3**	**454**	**18.0**	**394**	**15.5**	**259**	**8.5**	**154**	**6.4**
Allegheny	112	8.2	271	21.1	168	15.0	122	9.1	79	7.6
Armstrong	10	13.2	11	20.7	13	19.5	4	NSR	0	NSR
Beaver	29	15.3	21	14.8	23	14.5	13	6.5	7	NSR
Butler	17	7.4	10	6.5	29	15.4	15	7.3	11	7.4
Cambria	29	18.4	28	23.3	21	16.2	17	10.5	4	NSR
Fayette	23	15.5	13	11.4	19	14.3	12	7.7	12	9.5
Greene	4	NSR	4	NSR	6	NSR	3	NSR	4	NSR
Indiana	6	NSR	16	16.1	10	13.8	8	NSR	3	NSR
Somerset	10	12.5	12	18.7	11	14.4	7	NSR	4	NSR
Washington	9	NSR	32	18.6	34	16.9	19	7.9	11	5.8
Westmoreland	31	7.9	36	12.8	60	17.1	39	9.0	19	5.3
Pennsylvania	**1,451**	**9.3**	**2,228**	**18.1**	**1,795**	**14.6**	**957**	**7.1**	**544**	**5.3**

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

INJURY DEATHS: FIREARM-RELATED INJURIES

AGE-ADJUSTED DEATH RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



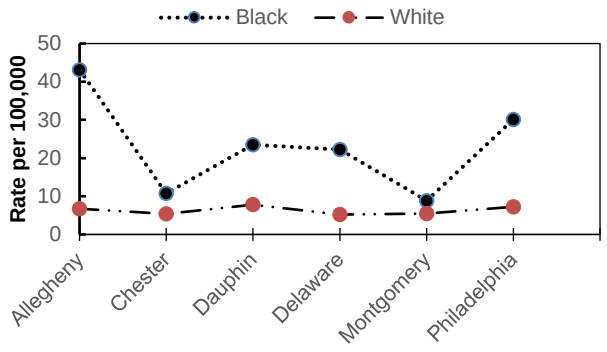
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: FIREARM-RELATED INJURIES

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	363	43.1	38.7-47.6
Chester	18	10.7	5.8-15.7
Dauphin	59	23.5	17.5-29.5
Delaware	138	22.2	18.5-25.9
Montgomery	33	8.8	5.8-11.9
Philadelphia	1,070	30.2	28.3-32.0
Pennsylvania	1,902	24.6	23.5-25.7



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	367	6.7	6.0-7.4
Chester	128	5.4	4.4-6.3
Dauphin	81	7.8	6.1-9.5
Delaware	112	5.2	4.2-6.2
Montgomery	198	5.5	4.7-6.3
Philadelphia	265	7.2	6.3-8.1
Pennsylvania	4,629	8.0	7.8-8.2

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	331	32	**363**	48.6%	86	34.1	187	104.4	70	48.6	16	10.7	4	NSR
	White	81.4%	319	48	**367**	49.1%	21	2.1	73	7.2	93	10.1	105	9.1	75	8.0
Chester	Black	6.3%	17	1	**18**	11.8%	3	NSR	9	NSR	4	NSR	2	NSR	0	NSR
	White	86.9%	108	20	**128**	84.2%	6	NSR	25	6.9	24	5.2	43	8.8	30	9.3
Dauphin	Black	18.5%	54	5	**59**	38.6%	13	15.7	29	56.2	14	29.4	3	NSR	0	NSR
	White	74.2%	72	9	**81**	52.9%	2	0.9	18	9.6	24	12.2	25	10.7	12	7.2
Delaware	Black	20.5%	132	6	**138**	50.5%	23	11.8	80	60.8	29	25.5	5	NSR	1	NSR
	White	72.1%	90	22	**112**	41.0%	0	NSR	30	8.2	31	8.2	38	8.3	13	3.7
Montgomery	Black	9.1%	29	4	**33**	13.6%	5	NSR	16	21.2	9	NSR	2	NSR	1	NSR
	White	81.6%	167	31	**198**	81.8%	6	NSR	34	6.1	56	8.4	63	8.6	39	6.9
Philadelphia	Black	44.1%	1,007	63	**1,070**	70.5%	159	15.7	638	83.6	194	30.4	60	9.8	19	5.0
	White	44.7%	220	45	**265**	17.5%	7	NSR	73	7.3	70	11.3	62	10.1	53	10.4
Pennsylvania	Black	11.3%	1,765	137	**1,902**	27.4%	320	14.2	1,080	65.5	368	26.4	104	8.4	30	4.2
	White	83.1%	3,963	666	**4,629**	66.7%	197	1.6	907	9.3	1,108	10.8	1,388	11.8	1,029	11.1

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: ALL UNINTENTIONAL INJURIES

In 2014, among Pennsylvania residents, there were 6,541 deaths due to unintentional injury. On average, one resident died every 80 minutes.

Injury Definition

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

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

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

HIGHLIGHTS

- Age-adjusted rates steadily **increased** from 2010 to 2014.
- Most common demographic is **white males** and **females**, ages 85 and older.
- Of all Pennsylvania counties, **Forest** and **Sullivan** had the highest rates.

Trends Over Time

- Age-adjusted death rates for unintentional injury increased by 15 percent from 39.9 deaths per 100,000 population in 2010 to 45.8 deaths per 100,000 population in 2014.
- Males had significantly higher age-adjusted death rates than females for all age groups during 2010 to 2014.
- Rural populations had higher age-adjusted death rates for unintentional injuries than urban populations for all ages except ages 55-59, where urban populations had a higher age-adjusted death rate.

Demographic Trends

- Among males, blacks had significantly higher age-adjusted death rates for unintentional injuries than whites for ages under 15 and 50-74, while whites had significantly higher rates for ages 15-39 and 80 and older during 2010 to 2014.
- Among females, blacks had significantly higher age-adjusted unintentional death rates than whites for ages under 5 and 50-64, while whites had significantly higher rates for ages 20-39 and 75 and older during 2010 to 2014.

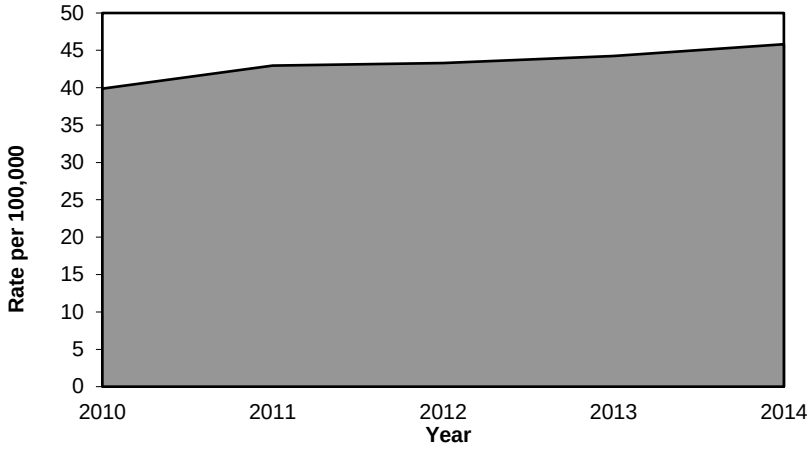
Regional Trends

- The Southwest Health District had the highest age-adjusted death rate for unintentional injury, while the North-Central Health District had the lowest rate.
- Twenty-four counties had age-adjusted death rates for 2010 to 2014 that were significantly higher than the comparable state rate. The majority of the counties were rural.

INJURY DEATHS: ALL UNINTENTIONAL INJURIES

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES, PENNSYLVANIA RESIDENTS, 2010-2014

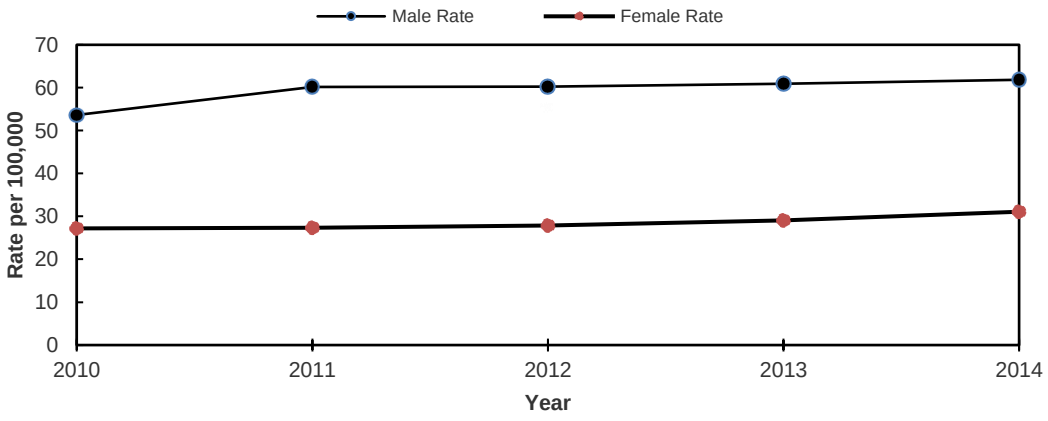
Year	No.	Rate
2010	5,607	39.9
2011	6,062	43.0
2012	6,156	43.3
2013	6,299	44.2
2014	6,541	45.8



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

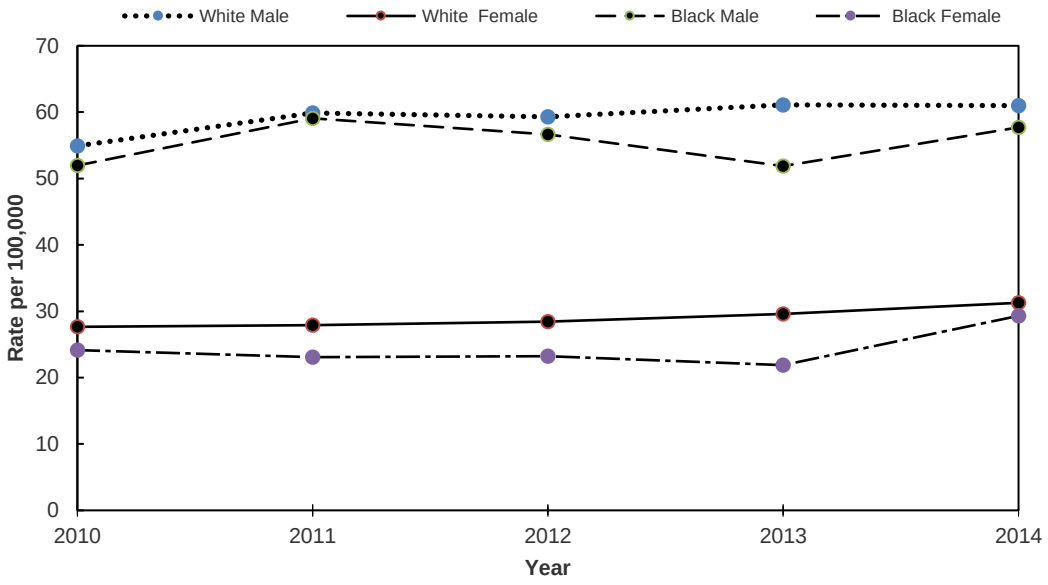
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	3,392	53.6	2010	2,215	27.2
2011	3,842	60.2	2011	2,220	27.4
2012	3,886	60.3	2012	2,269	27.9
2013	3,945	60.9	2013	2,354	29.0
2014	4,020	61.8	2014	2,521	31.1



INJURY DEATHS: ALL UNINTENTIONAL INJURIES

TOTAL NUMBER OF INJURY DEATHS AND DEATH RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates				
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	2,937	1,953	318	174	2010	54.9	27.7	52.0	24.1
2011	3,292	1,986	362	171	2011	59.9	27.9	59.1	23.1
2012	3,293	2,022	357	175	2012	59.3	28.4	56.6	23.2
2013	3,386	2,099	331	165	2013	61.1	29.6	51.9	21.9
2014	3,390	2,197	372	224	2014	61.0	31.3	57.7	29.3



AGE-ADJUSTED DEATH RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	51.3	59.9	25.2	33.0
2011	58.8	64.0	26.2	30.8
2012	59.2	63.0	26.7	31.0
2013	59.3	65.8	27.6	33.5
2014	61.2	63.6	29.2	36.4

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

INJURY DEATHS: ALL UNINTENTIONAL INJURIES

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**30,665**	**48.1**	**19,085**	**61.3**	**11,579**	**35.5**		**21,488**	**46.2**	**9,177**	**53.1**	
< 5	231	6.4	148	8.0	83	4.7	*	157	5.8	74	8.4	*
5-9	130	3.5	83	4.3	47	2.6	*	77	2.8	53	5.5	*
10-14	135	3.5	91	4.6	44	2.3	*	80	2.8	55	5.4	*
15-19	1,038	23.9	728	32.9	310	14.6	*	640	20.3	398	33.5	*
20-24	1,951	44.4	1,484	66.6	467	21.5	*	1,321	41.6	630	51.6	*
25-29	2,080	51.2	1,514	73.7	566	28.1	*	1,506	48.2	574	60.9	*
30-34	1,917	50.2	1,399	73.0	517	27.1	*	1,354	46.9	563	60.4	*
35-39	1,657	45.4	1,153	63.3	504	27.5	*	1,142	42.4	515	53.8	*
40-44	1,865	45.2	1,252	61.0	613	29.5	*	1,330	44.1	535	48.0	
45-49	2,242	49.6	1,489	66.8	753	32.9	*	1,609	49.0	633	51.3	
50-54	2,461	50.6	1,655	69.3	806	32.6	*	1,760	50.0	701	52.2	
55-59	1,999	43.5	1,361	60.5	638	27.2	*	1,456	44.2	543	41.7	
60-64	1,468	37.3	1,048	55.1	420	20.6	*	1,043	37.3	425	37.1	
65-69	1,227	40.5	786	55.0	441	27.5	*	810	38.2	417	45.7	*
70-74	1,190	52.4	715	69.3	475	38.3	*	786	50.0	404	57.6	*
75-79	1,491	83.0	859	111.4	632	61.7	*	1,024	81.7	467	86.0	
80-84	2,184	145.3	1,142	192.6	1,042	114.5	*	1,497	140.3	687	157.3	*
85 +	5,399	336.5	2,178	423.9	3,221	295.3	*	3,896	336.4	1,503	336.6	

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

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.
Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: ALL UNINTENTIONAL INJURIES

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**16,298**	**62.9**	**1,740**	**50.2**		**10,257**	**37.9**	**909**	**24.1**	
< 5	88	6.4	43	15.6	*	57	4.3	19	7.1	*
5-9	52	3.5	19	7.1	*	35	2.5	7	2.7	
10-14	61	3.9	18	6.5	*	33	2.2	7	2.6	
15-19	578	33.2	78	24.2	*	235	14.1	40	13.1	
20-24	1,247	71.5	117	35.7	*	388	22.9	45	14.0	*
25-29	1,303	79.0	103	39.9	*	484	30.4	57	21.4	*
30-34	1,175	75.9	116	50.2	*	444	29.3	46	18.7	*
35-39	952	64.1	105	49.8	*	424	28.8	56	24.6	*
40-44	1,027	60.0	132	58.5		508	29.6	74	30.2	
45-49	1,243	65.4	165	71.2		638	33.1	79	31.0	
50-54	1,377	66.3	187	82.4	*	679	31.9	100	39.0	*
55-59	1,077	54.3	225	116.0	*	537	26.3	87	38.5	*
60-64	863	50.8	145	99.2	*	350	19.5	53	28.9	*
65-69	686	53.1	67	68.3	*	396	27.7	36	27.1	
70-74	625	66.7	62	91.5	*	416	37.4	39	39.1	
75-79	782	110.6	51	107.4		560	60.5	41	51.9	*
80-84	1,074	194.3	48	154.1	*	971	116.1	45	73.4	*
85 +	2,088	432.8	59	235.5	*	3,102	305.4	78	121.6	*

* 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.

INJURY DEATHS: ALL UNINTENTIONAL INJURIES

TOTAL NUMBER OF INJURY DEATHS BY SEX, AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**3,799**	**43.0**	**41.6-44.4**		**2,397**	**61.0**	**1,401**	**34.4**
Carbon	194	56.3	48.4-64.3	+	114	71.1	80	48.7
Lackawanna	549	46.8	42.9-50.7		339	65.7	210	37.9
Lehigh	817	41.0	38.2-43.8		517	60.1	299	32.9
Luzerne	779	44.0	40.9-47.1		489	62.2	290	35.6
Monroe	360	42.8	38.4-47.2		249	59.9	111	26.0
Northampton	621	35.6	32.8-38.4	-	383	52.3	238	31.2
Pike	121	40.8	33.6-48.1		70	49.3	51	36.0
Susquehanna	140	66.7	55.6-77.7	+	94	87.5	46	43.4
Wayne	132	44.2	36.7-51.7		85	61.9	47	38.1
Wyoming	86	63.6	50.2-77.1	+	57	80.7	29	41.3
North-Central	**1,523**	**38.4**	**36.4-40.3**	**-**	**927**	**52.4**	**596**	**34.0**
Bradford	162	47.3	40.0-54.5		107	69.3	55	34.8
Centre	216	28.2	24.5-32.0	-	127	31.4	89	23.8
Clinton	99	48.1	38.6-57.6		73	75.4	26	25.8
Columbia	160	43.4	36.6-50.1		97	60.1	63	36.2
Lycoming	253	38.2	33.5-42.9	-	162	56.6	91	30.7
Montour	52	42.7	31.1-54.3		21	47.6	31	64.6
Northumberland	232	43.3	37.8-48.9		129	54.7	103	43.7
Potter	47	47.2	33.7-60.7		27	61.8	20	46.0
Snyder	79	35.1	27.3-42.8	-	43	43.7	36	35.6
Sullivan	36	94.4	63.6-125.3	+	21	126.6	15	NSR
Tioga	110	49.5	40.3-58.8		78	74.8	32	29.8
Union	77	27.7	21.5-33.9	-	42	34.0	35	34.7
Northwest	**2,378**	**47.1**	**45.2-49.0**	**+**	**1,497**	**65.5**	**881**	**37.9**
Cameron	20	55.0	30.9-79.1		6	NSR	14	NSR
Clarion	101	50.2	40.4-60.0		70	72.8	31	30.6
Clearfield	215	46.3	40.1-52.5		141	66.9	74	37.8
Crawford	232	50.1	43.7-56.6	+	156	72.6	76	33.8
Elk	111	65.1	53.0-77.2	+	65	82.5	46	58.1
Erie	593	40.4	37.2-43.7		372	53.9	221	31.1
Forest	30	76.2	48.9-103.5	+	19	NSR	11	NSR
Jefferson	119	48.7	40.0-57.5		85	76.4	34	30.0
Lawrence	276	53.0	46.7-59.2	+	166	76.6	110	47.2
McKean	101	43.7	35.2-52.2		63	57.3	38	36.1
Mercer	304	47.3	42.0-52.6		189	66.6	115	39.0
Venango	177	58.3	49.7-66.9	+	99	74.3	78	56.4
Warren	99	40.3	32.3-48.2		66	64.1	33	32.0
Southeast	**11,408**	**40.9**	**40.2-41.7**	**-**	**7,253**	**58.4**	**4,155**	**31.3**
Berks	786	34.1	31.8-36.5	-	511	50.4	275	26.2
Bucks	1,339	40.2	38.1-42.4	-	843	54.9	496	31.1
Chester	870	32.8	30.7-35.0	-	545	43.8	325	25.2
Delaware	1,244	40.4	38.1-42.6	-	811	60.3	433	29.7
Lancaster	1,125	38.5	36.3-40.8	-	706	54.9	419	31.1
Montgomery	1,651	35.1	33.4-36.8	-	959	48.9	692	33.3
Philadelphia	3,929	50.2	48.6-51.7	+	2,584	70.8	1,345	33.0
Schuylkill	464	56.9	51.7-62.1	+	294	78.6	170	47.1
South-Central	**3,785**	**40.6**	**39.3-41.9**	**-**	**2,303**	**55.4**	**1,482**	**34.6**
Adams	206	36.2	31.2-41.1	-	134	53.6	72	27.9
Bedford	163	62.2	52.6-71.7	+	111	90.4	52	41.9
Blair	338	46.2	41.3-51.2		193	62.6	145	44.6
Cumberland	411	30.8	27.8-33.7	-	242	41.1	169	27.8
Dauphin	520	35.8	32.7-38.8	-	320	49.0	200	28.7
Franklin	332	38.6	34.5-42.8	-	183	49.4	149	38.6
Fulton	44	59.8	42.1-77.4		26	70.1	18	NSR
Huntingdon	158	61.0	51.5-70.5	+	101	83.1	57	53.0
Juniata	74	53.4	41.2-65.5		54	87.7	20	32.3
Lebanon	287	35.8	31.6-39.9	-	166	50.3	121	35.1
Mifflin	124	45.3	37.3-53.2		70	61.1	54	45.4
Perry	127	56.5	46.7-66.4	+	67	58.3	60	52.6
York	1,001	42.8	40.1-45.4		636	58.8	365	32.9
Southwest	**7,772**	**49.5**	**48.4-50.6**	**+**	**4,708**	**71.5**	**3,064**	**44.2**
Allegheny	3,308	45.0	43.5-46.6	+	1,984	67.2	1,324	41.5
Armstrong	222	60.5	52.5-68.5	+	144	85.2	78	45.2
Beaver	481	49.0	44.6-53.4	+	316	76.8	165	37.6
Butler	436	43.6	39.5-47.7		273	59.9	163	34.7
Cambria	494	60.6	55.3-66.0	+	276	78.9	218	61.0
Fayette	438	59.8	54.2-65.4	+	276	82.9	162	47.0
Greene	144	69.8	58.4-81.2	+	92	93.2	52	56.3
Indiana	269	58.7	51.7-65.7	+	167	75.9	102	46.0
Somerset	256	55.9	49.1-62.8	+	154	77.5	102	54.8
Washington	547	47.8	43.8-51.8	+	323	63.6	224	42.0
Westmoreland	1,177	55.9	52.7-59.1	+	703	79.4	474	51.0
Pennsylvania	**30,665**	**43.3**	**42.8-43.7**		**19,085**	**61.3**	**11,579**	**35.5**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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 INJURIES

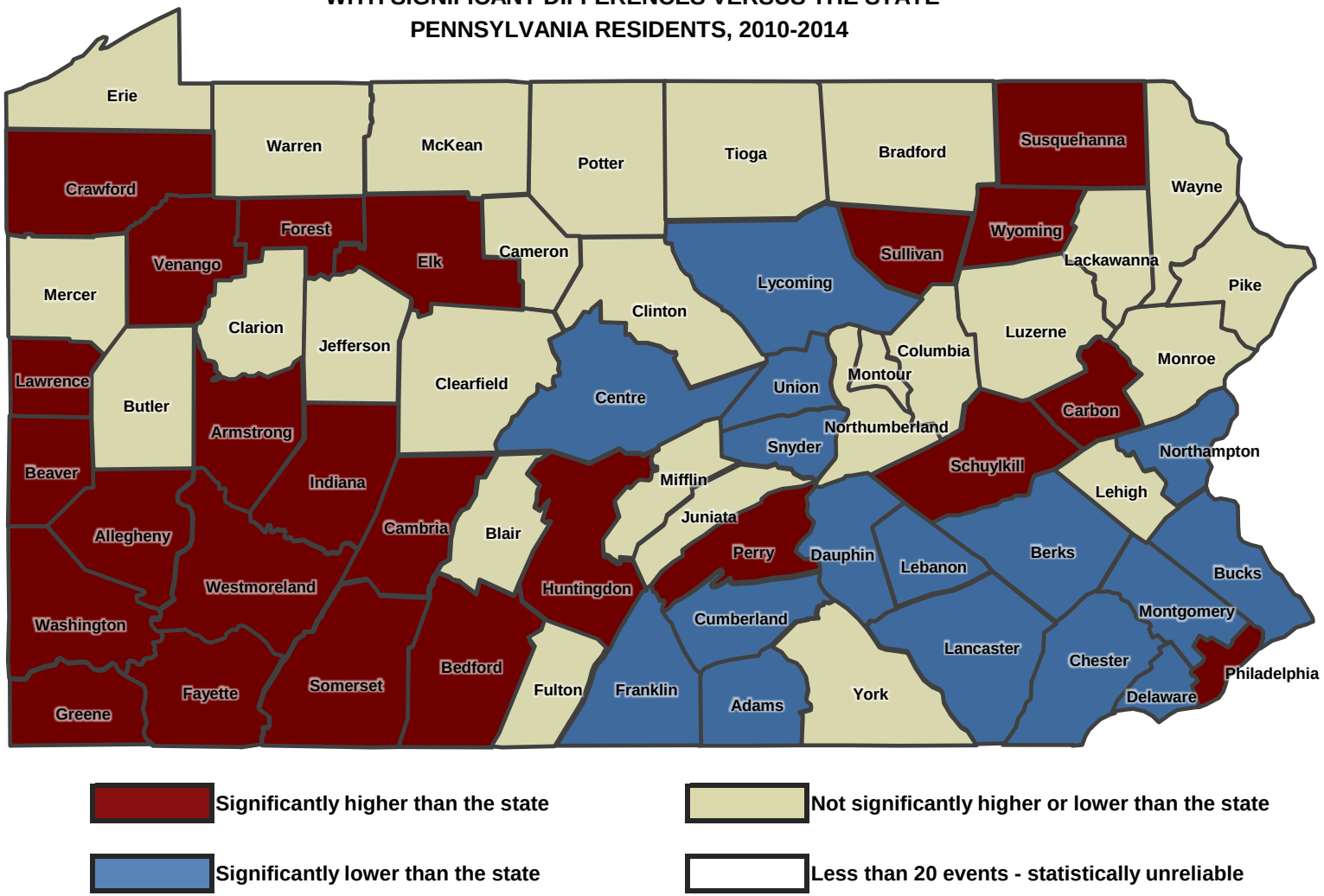
TOTAL NUMBER OF INJURY DEATHS AND ANNUAL DEATH RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**255**	**13.2**	**736**	**51.9**	**805**	**50.9**	**659**	**38.2**	**1,344**	**99.4**
Carbon	37	51.4	38	74.8	47	71.2	22	29.3	50	82.5
Lackawanna	31	12.5	113	56.4	122	61.1	110	48.3	173	89.1
Lehigh	36	7.9	128	38.6	154	43.6	131	36.7	368	135.6
Luzerne	33	9.1	166	57.4	177	56.4	153	44.7	250	84.9
Monroe	20	9.1	79	55.4	76	43.8	71	37.4	114	97.7
Northampton	24	6.6	113	42.2	107	35.9	89	27.9	288	116.9
Pike	25	36.7	25	64.7	30	51.5	26	38.7	15	29.0
Susquehanna	27	56.1	29	90.2	36	89.9	15	28.5	33	81.5
Wayne	9	NSR	22	55.1	35	67.6	31	48.5	35	67.5
Wyoming	13	39.0	23	96.7	21	78.0	11	33.9	18	73.5
North-Central	**229**	**27.6**	**252**	**32.5**	**264**	**41.7**	**253**	**35.6**	**525**	**90.9**
Bradford	32	41.8	26	53.2	27	46.1	28	39.8	49	84.6
Centre	13	7.3	42	16.2	31	25.0	28	22.5	102	110.4
Clinton	16	32.0	16	38.2	24	70.7	19	48.8	24	72.9
Columbia	17	21.2	32	45.1	26	43.6	27	39.2	58	103.9
Lycoming	42	30.4	44	38.8	51	47.4	49	39.1	67	67.9
Montour	9	NSR	4	NSR	7	NSR	6	NSR	26	147.6
Northumberland	34	32.5	36	44.0	39	43.0	29	27.8	94	104.7
Potter	7	NSR	6	NSR	10	64.2	13	64.6	11	61.5
Snyder	16	30.6	10	26.7	11	29.5	10	24.8	32	99.9
Sullivan	8	NSR	8	NSR	7	NSR	13	155.4	0	NSR
Tioga	20	39.5	23	60.9	20	53.6	15	32.4	32	80.7
Union	15	29.3	5	NSR	11	23.5	16	38.3	30	86.7
Northwest	**239**	**21.6**	**486**	**59.2**	**482**	**55.9**	**434**	**42.9**	**737**	**91.2**
Cameron	5	NSR	8	NSR	7	NSR	0	NSR	0	NSR
Clarion	20	42.8	23	54.9	17	49.5	12	29.4	29	85.7
Clearfield	43	49.4	36	50.6	40	46.8	28	31.4	68	92.1
Crawford	15	13.6	46	62.1	47	57.7	56	57.4	68	88.8
Elk	18	51.2	24	108.3	21	65.5	17	45.3	31	100.1
Erie	31	8.6	153	54.4	131	51.2	109	37.4	169	80.1
Forest	5	NSR	3	NSR	8	NSR	9	NSR	5	NSR
Jefferson	27	50.6	23	62.0	22	52.5	14	28.0	33	78.2
Lawrence	15	14.3	37	51.0	53	64.2	71	69.2	100	115.3
McKean	5	NSR	22	57.9	28	66.1	20	43.1	26	69.0
Mercer	21	15.1	62	64.3	58	54.7	51	40.4	112	101.3
Venango	12	19.1	37	88.2	36	72.9	29	43.8	63	123.2
Warren	22	48.0	12	38.4	14	36.2	18	36.2	33	81.4
Southeast	**562**	**8.5**	**2,347**	**44.8**	**2,207**	**44.0**	**2,357**	**46.0**	**3,935**	**106.6**
Berks	45	8.2	142	37.5	120	29.4	146	35.0	333	106.5
Bucks	57	7.4	334	65.7	234	36.1	232	32.2	482	98.6
Chester	49	7.1	180	41.4	149	28.1	162	30.3	330	95.2
Delaware	47	6.4	260	47.7	225	41.8	256	44.5	456	111.1
Lancaster	95	13.2	203	40.8	171	35.0	187	36.2	469	113.6
Montgomery	46	4.6	309	43.0	250	30.0	277	32.5	769	121.0
Philadelphia	185	9.3	825	40.7	966	68.0	1,011	75.2	942	99.3
Schuylkill	38	23.8	94	74.9	92	60.8	86	53.2	154	112.4
South-Central	**341**	**16.3**	**654**	**43.2**	**693**	**41.5**	**671**	**37.5**	**1,426**	**103.7**
Adams	30	24.1	28	32.5	40	39.7	34	30.8	74	85.9
Bedford	13	22.7	28	75.2	35	72.5	29	52.3	58	119.2
Blair	41	27.4	58	52.0	63	53.5	49	35.5	127	108.6
Cumberland	26	9.1	78	33.3	70	29.9	61	24.5	176	90.3
Dauphin	32	9.4	87	33.1	100	38.1	115	39.6	186	95.3
Franklin	43	22.0	39	30.0	68	45.8	48	31.6	134	102.1
Fulton	15	83.7	9	NSR	6	NSR	9	NSR	5	NSR
Huntingdon	11	21.4	22	51.0	24	52.0	24	49.3	77	193.1
Juniata	12	38.4	11	54.2	23	96.7	12	46.8	16	71.1
Lebanon	32	18.7	44	37.7	39	30.3	49	35.2	123	103.3
Mifflin	20	34.5	16	43.1	21	47.3	24	49.4	43	94.8
Perry	14	24.6	30	78.5	28	59.5	29	54.9	26	76.9
York	52	9.4	204	52.7	176	38.7	188	40.5	381	116.3
Southwest	**418**	**13.8**	**1,370**	**54.4**	**1,490**	**58.7**	**1,402**	**46.2**	**3,092**	**128.6**
Allegheny	93	6.8	546	42.5	584	52.0	659	49.4	1,426	136.9
Armstrong	16	21.2	47	88.3	43	64.7	44	54.4	72	109.6
Beaver	48	25.2	79	55.8	103	65.1	78	39.3	173	106.8
Butler	55	24.1	88	57.4	98	52.0	57	27.6	138	93.1
Cambria	28	17.7	96	79.7	85	65.6	73	45.0	212	154.6
Fayette	28	18.9	80	70.1	112	84.3	72	46.1	146	115.8
Greene	31	72.0	22	60.7	39	101.0	26	61.4	26	84.4
Indiana	22	20.5	52	52.5	47	64.6	35	38.6	113	156.9
Somerset	34	42.5	44	68.6	41	53.6	32	35.8	105	140.3
Washington	26	10.9	112	65.3	113	56.1	96	39.8	200	105.9
Westmoreland	37	9.4	204	72.7	225	64.3	230	53.0	481	134.9
Pennsylvania	**2,044**	**13.1**	**5,845**	**47.6**	**5,941**	**48.3**	**5,776**	**43.1**	**11,059**	**108.3**

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

INJURY DEATHS: ALL UNINTENTIONAL INJURIES

AGE-ADJUSTED DEATH RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



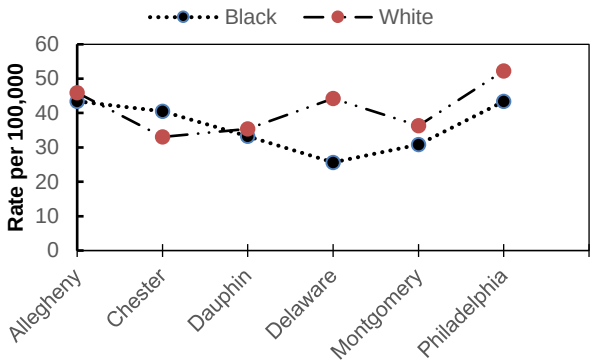
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: ALL UNINTENTIONAL INJURIES

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	350	43.4	38.9-48.0
Chester	61	40.5	30.3-50.6
Dauphin	81	33.3	26.0-40.5
Delaware	138	25.6	21.4-29.9
Montgomery	113	30.8	25.2-36.5
Philadelphia	1,456	43.4	41.2-45.6
Pennsylvania	2,649	38.3	36.8-39.7



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	2,890	45.9	44.3-47.6
Chester	780	33.1	30.7-35.4
Dauphin	411	35.3	31.9-38.8
Delaware	1,042	44.2	41.5-46.9
Montgomery	1,465	36.3	34.4-38.2
Philadelphia	1,971	52.3	50.0-54.6
Pennsylvania	26,556	43.5	43.0-44.1

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	222	128	**350**	10.6%	30	11.9	47	26.3	75	52.0	122	81.3	76	81.5
	White	81.4%	1,714	1,176	**2,890**	87.5%	60	6.1	480	47.6	497	54.0	523	45.4	1,330	142.7
Chester	Black	6.3%	43	18	**61**	7.0%	5	NSR	17	46.6	13	43.5	13	45.9	13	78.7
	White	86.9%	481	299	**780**	89.7%	40	7.0	153	42.0	130	28.4	143	29.3	314	97.7
Dauphin	Black	18.5%	54	27	**81**	15.6%	15	18.1	14	27.1	19	39.8	22	49.5	11	47.3
	White	74.2%	246	165	**411**	79.0%	13	6.0	69	36.8	72	36.7	87	37.1	170	101.7
Delaware	Black	20.5%	87	51	**138**	11.1%	20	10.3	29	22.1	27	23.7	42	46.7	20	44.0
	White	72.1%	673	369	**1,042**	83.8%	25	5.4	215	58.5	184	48.4	201	43.9	417	118.8
Montgomery	Black	9.1%	72	41	**113**	6.9%	9	NSR	22	29.2	25	31.6	29	43.7	28	69.9
	White	81.6%	835	630	**1,465**	88.9%	31	4.0	263	47.1	212	31.8	237	32.3	722	127.0
Philadelphia	Black	44.1%	951	505	**1,456**	37.3%	99	9.8	250	32.8	333	52.2	456	74.7	318	83.5
	White	44.7%	1,272	699	**1,971**	50.5%	42	5.9	420	42.1	492	79.3	454	73.6	563	110.0
Pennsylvania	Black	11.3%	1,740	909	**2,649**	8.7%	231	10.3	484	29.3	611	43.8	797	64.6	526	74.4
	White	83.1%	16,298	10,257	**26,555**	86.9%	1,139	9.5	5,042	51.8	4,792	46.9	4,883	41.6	10,700	115.2

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: SUICIDES

In 2014, among Pennsylvania residents, there were 1,797 deaths due to self-inflicted injury (suicides). On average, one resident died every five hours.

Injury Definition

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

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

Note that this definition does not include attempted suicides or cases where a suicide plan was made but never carried out.

HIGHLIGHTS

- Age-adjusted rates generally **fluctuated** from 2010 to 2014.
- Most common demographic is w**hite males**, ages 80 and older.
- Of all Pennsylvania counties, **Carbon**, **Elk** and **Wayne** had the highest rates.

Trends Over Time

- Age-adjusted death rates for suicide fluctuated from 2010 to 2014 but increased overall by 12 percent from 2010 to 2014.
- Males had significantly higher age-adjusted suicide rates than females for all age groups during 2010 to 2014.
- Rural populations had higher suicide rates than urban populations for most age groups.

Demographic Trends

- Among males, whites had significantly higher age-adjusted suicide rates than blacks for all ages where rates could be calculated during 2010 to 2014.
- White males accounted for almost three-quarters of all suicides in 2010 to 2014; white males, ages 20-64, accounted for over half of all suicides in 2010 to 2014.
- Black females had low suicide counts for almost all age groups.

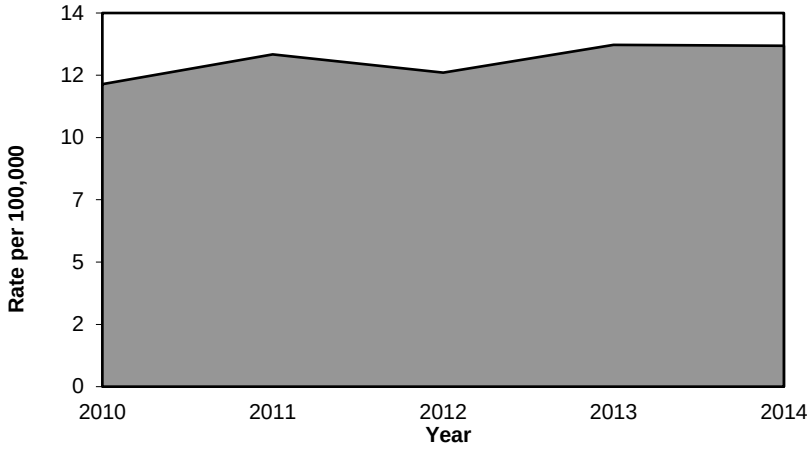
Regional Trends

- The Northeast and Northwest Health Districts had the highest age-adjusted suicide rates, while the Southeast Health District had the lowest rate.
- Nine counties had age-adjusted suicide rates in 2010 to 2014 that were significantly higher than the comparable state rate.

INJURY DEATHS: SUICIDES

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES, PENNSYLVANIA RESIDENTS, 2010-2014

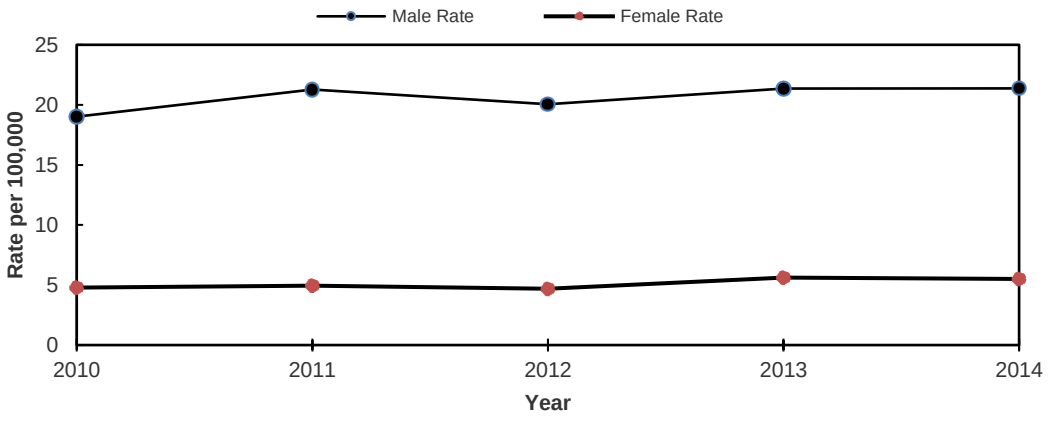
Year	No.	Rate
2010	1,547	11.7
2011	1,707	12.8
2012	1,613	12.1
2013	1,778	13.2
2014	1,797	13.1



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

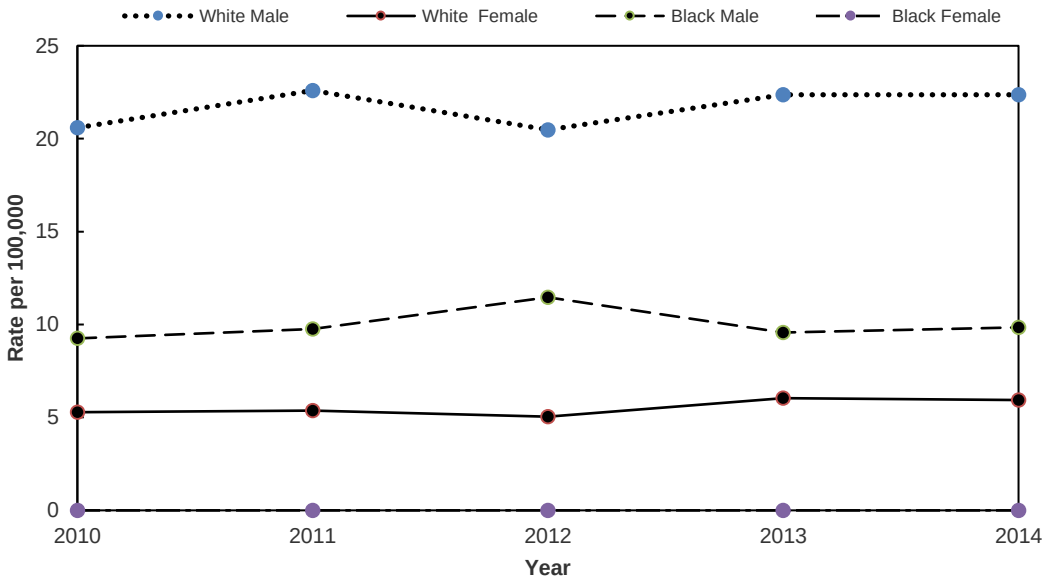
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	1,226	19.0	2010	321	4.8
2011	1,374	21.3	2011	333	5.0
2012	1,294	20.0	2012	319	4.7
2013	1,400	21.3	2013	378	5.6
2014	1,428	21.4	2014	369	5.5



INJURY DEATHS: SUICIDES

TOTAL NUMBER OF INJURY DEATHS AND DEATH RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Number				Year	Age-Adjusted Rates			
	White Male	White Female	Black Male	Black Female		White Male	White Female	Black Male	Black Female
2010	1,114	294	61	15	2010	20.6	5.3	9.3	NSR
2011	1,255	306	63	16	2011	22.6	5.4	9.8	NSR
2012	1,137	289	81	13	2012	20.5	5.0	11.5	NSR
2013	1,256	343	68	10	2013	22.4	6.0	9.6	NSR
2014	1,277	333	70	15	2014	22.4	5.9	9.8	NSR



AGE-ADJUSTED DEATH RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	18.2	21.2	4.9	4.4
2011	20.2	24.2	4.6	5.9
2012	19.2	22.0	4.4	5.5
2013	19.8	25.2	5.6	5.8
2014	21.0	22.3	5.6	5.2

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

INJURY DEATHS: SUICIDES

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**8,442**	**13.2**	**6,722**	**21.6**	**1,720**	**5.3**		**5,878**	**12.6**	**2,564**	**14.8**	
< 5	0	NSR	0	NSR	0	NSR		0	NSR	0	NSR	
5-9	2	NSR	2	NSR	0	NSR		2	NSR	0	NSR	
10-14	61	1.6	43	2.2	18	0.9	*	40	1.4	21	2.1	*
15-19	318	7.3	247	11.1	71	3.3	*	212	6.7	106	8.9	*
20-24	655	14.9	552	24.8	103	4.8	*	479	15.1	176	14.4	
25-29	605	14.9	489	23.8	116	5.8	*	443	14.2	162	17.2	
30-34	556	14.5	435	22.7	121	6.3	*	396	13.7	160	17.2	*
35-39	581	15.9	453	24.9	128	7.0	*	392	14.5	189	19.7	*
40-44	771	18.7	592	28.9	179	8.6	*	518	17.2	253	22.7	*
45-49	938	20.8	722	32.4	216	9.4	*	674	20.5	264	21.4	
50-54	1,041	21.4	806	33.7	235	9.5	*	762	21.6	279	20.8	
55-59	866	18.8	680	30.3	186	7.9	*	602	18.3	264	20.3	
60-64	631	16.0	502	26.4	129	6.3	*	431	15.4	200	17.4	
65-69	394	13.0	313	21.9	81	5.0	*	261	12.3	133	14.6	
70-74	332	14.6	279	27.0	53	4.3	*	201	12.8	131	18.7	*
75-79	247	13.8	208	27.0	39	3.8	*	164	13.1	83	15.3	*
80-84	238	15.8	217	36.6	21	2.3	*	161	15.1	77	17.6	*
85 +	206	12.8	182	35.4	24	2.2	*	140	12.1	66	14.8	*

* 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: SUICIDES

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE	
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate
TOTAL	**6,039**	**23.3**	**343**	**9.9**		**1,565**	**5.8**	**69**	**1.8**
< 5	0	NSR	0	NSR		0	NSR	0	NSR
5-9	1	NSR	0	NSR		0	NSR	0	NSR
10-14	27	1.7	6	NSR		9	NSR	4	NSR
15-19	203	11.7	23	7.1	*	56	3.4	4	NSR
20-24	447	25.6	59	18.0	*	83	4.9	8	NSR
25-29	406	24.6	38	14.7	*	103	6.5	4	NSR
30-34	362	23.4	36	15.6	*	99	6.5	14	5.7
35-39	382	25.7	32	15.2	*	113	7.7	5	NSR
40-44	531	31.0	27	12.0	*	165	9.6	6	NSR
45-49	664	34.9	26	11.2	*	208	10.8	4	NSR
50-54	756	36.4	31	13.7	*	223	10.5	4	NSR
55-59	641	32.3	19	9.8	*	180	8.8	3	NSR
60-64	460	27.1	21	14.4	*	122	6.8	5	NSR
65-69	298	23.1	10	10.2	*	73	5.1	5	NSR
70-74	267	28.5	7	NSR		50	4.5	2	NSR
75-79	204	28.8	2	NSR		37	4.0	0	NSR
80-84	211	38.2	3	NSR		21	2.5	0	NSR
85 +	179	37.1	3	NSR		23	2.3	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.

INJURY DEATHS: SUICIDES

TOTAL NUMBER OF INJURY DEATHS BY SEX, AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**1,236**	**14.7**	**13.9-15.6**	**+**	**966**	**24.6**	**270**	**6.6**
Carbon	72	22.0	17.0-27.1	+	55	34.3	17	NSR
Lackawanna	161	14.4	12.2-16.7		126	24.4	35	6.3
Lehigh	258	13.9	12.2-15.6		190	22.1	68	7.5
Luzerne	260	15.7	13.8-17.6	+	211	26.8	49	6.0
Monroe	127	14.9	12.3-17.5		97	23.3	30	7.0
Northampton	182	11.5	9.8-13.1		148	20.2	34	4.5
Pike	52	17.1	12.4-21.7		42	29.6	10	NSR
Susquehanna	41	19.2	13.3-25.0	+	32	29.8	9	NSR
Wayne	63	21.0	15.8-26.2	+	49	35.7	14	NSR
Wyoming	20	15.5	8.7-22.3		16	NSR	4	NSR
North-Central	**460**	**12.6**	**11.5-13.8**		**369**	**20.8**	**91**	**5.2**
Bradford	58	17.1	12.7-21.6		49	31.7	9	NSR
Centre	74	9.8	7.5-12.0	-	64	15.8	10	NSR
Clinton	16	NSR			14	NSR	2	NSR
Columbia	44	14.4	10.1-18.6		28	17.4	16	NSR
Lycoming	80	13.8	10.7-16.8		60	20.9	20	6.7
Montour	16	NSR			13	NSR	3	NSR
Northumberland	81	16.5	12.9-20.1	+	68	28.8	13	NSR
Potter	11	NSR			9	NSR	2	NSR
Snyder	23	10.5	6.2-14.8		20	20.3	3	NSR
Sullivan	6	NSR			4	NSR	2	NSR
Tioga	35	15.1	10.1-20.1		27	25.9	8	NSR
Union	16	NSR			13	NSR	3	NSR
Northwest	**688**	**14.5**	**13.5-15.6**	**+**	**573**	**25.1**	**115**	**4.9**
Cameron	4	NSR			2	NSR	2	NSR
Clarion	33	16.9	11.1-22.6		31	32.2	2	NSR
Clearfield	64	13.9	10.5-17.3		48	22.8	16	NSR
Crawford	68	15.0	11.4-18.5		62	28.9	6	NSR
Elk	37	23.6	16.0-31.2	+	33	41.9	4	NSR
Erie	201	14.2	12.3-16.2		158	22.9	43	6.0
Forest	5	NSR			5	NSR	0	NSR
Jefferson	37	15.9	10.8-21.1		34	30.6	3	NSR
Lawrence	62	13.7	10.3-17.2		58	26.8	4	NSR
McKean	31	13.3	8.6-18.0		23	20.9	8	NSR
Mercer	82	14.2	11.1-17.3		64	22.5	18	NSR
Venango	34	13.0	8.6-17.4		30	22.5	4	NSR
Warren	30	14.2	9.1-19.3		25	24.3	5	NSR
Southeast	**3,091**	**11.5**	**11.1-11.9**	**-**	**2,401**	**19.3**	**690**	**5.2**
Berks	323	14.7	13.1-16.3	+	251	24.7	72	6.9
Bucks	427	12.7	11.5-13.9		330	21.5	97	6.1
Chester	255	9.5	8.4-10.7	-	204	16.4	51	4.0
Delaware	379	13.0	11.7-14.3		280	20.8	99	6.8
Lancaster	277	10.1	8.9-11.3	-	218	16.9	59	4.4
Montgomery	517	11.9	10.9-13.0		393	20.0	124	6.0
Philadelphia	779	10.0	9.3-10.7	-	609	16.7	170	4.2
Schuylkill	134	17.6	14.6-20.6	+	116	31.0	18	5.0
South-Central	**1,167**	**13.2**	**12.4-14.0**		**950**	**22.9**	**217**	**5.1**
Adams	81	15.2	11.9-18.5		66	26.4	15	NSR
Bedford	35	13.3	8.9-17.6		29	23.6	6	NSR
Blair	80	11.8	9.2-14.4		68	22.1	12	NSR
Cumberland	165	13.0	11.0-15.0		128	21.7	37	6.1
Dauphin	160	11.7	9.9-13.5		127	19.4	33	4.7
Franklin	96	12.4	9.9-14.8		68	18.4	28	7.2
Fulton	16	NSR			12	NSR	4	NSR
Huntingdon	43	17.5	12.3-22.7		39	32.1	4	NSR
Juniata	13	NSR			12	NSR	1	NSR
Lebanon	88	12.5	9.9-15.1		80	24.2	8	NSR
Mifflin	37	15.6	10.6-20.7		30	26.2	7	NSR
Perry	28	12.2	7.7-16.7		19	NSR	9	NSR
York	325	14.1	12.5-15.6		272	25.2	53	4.8
Southwest	**1,800**	**12.5**	**11.9-13.1**		**1,463**	**22.2**	**337**	**4.9**
Allegheny	734	11.3	10.5-12.1	-	577	19.6	157	4.9
Armstrong	49	13.4	9.7-17.2		42	24.8	7	NSR
Beaver	126	14.7	12.1-17.2		101	24.5	25	5.7
Butler	115	11.5	9.4-13.6		92	20.2	23	4.9
Cambria	120	15.7	12.9-18.6	+	105	30.0	15	NSR
Fayette	110	15.2	12.4-18.1		94	28.2	16	NSR
Greene	25	11.9	7.2-16.6		21	21.3	4	NSR
Indiana	56	13.5	10.0-17.0		42	19.1	14	NSR
Somerset	56	13.7	10.1-17.3		48	24.1	8	NSR
Washington	148	13.1	11.0-15.3		122	24.0	26	4.9
Westmoreland	261	13.2	11.6-14.8		219	24.7	42	4.5
Pennsylvania	**8,442**	**12.6**	**12.3-12.8**		**6,722**	**21.6**	**1,720**	**5.3**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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

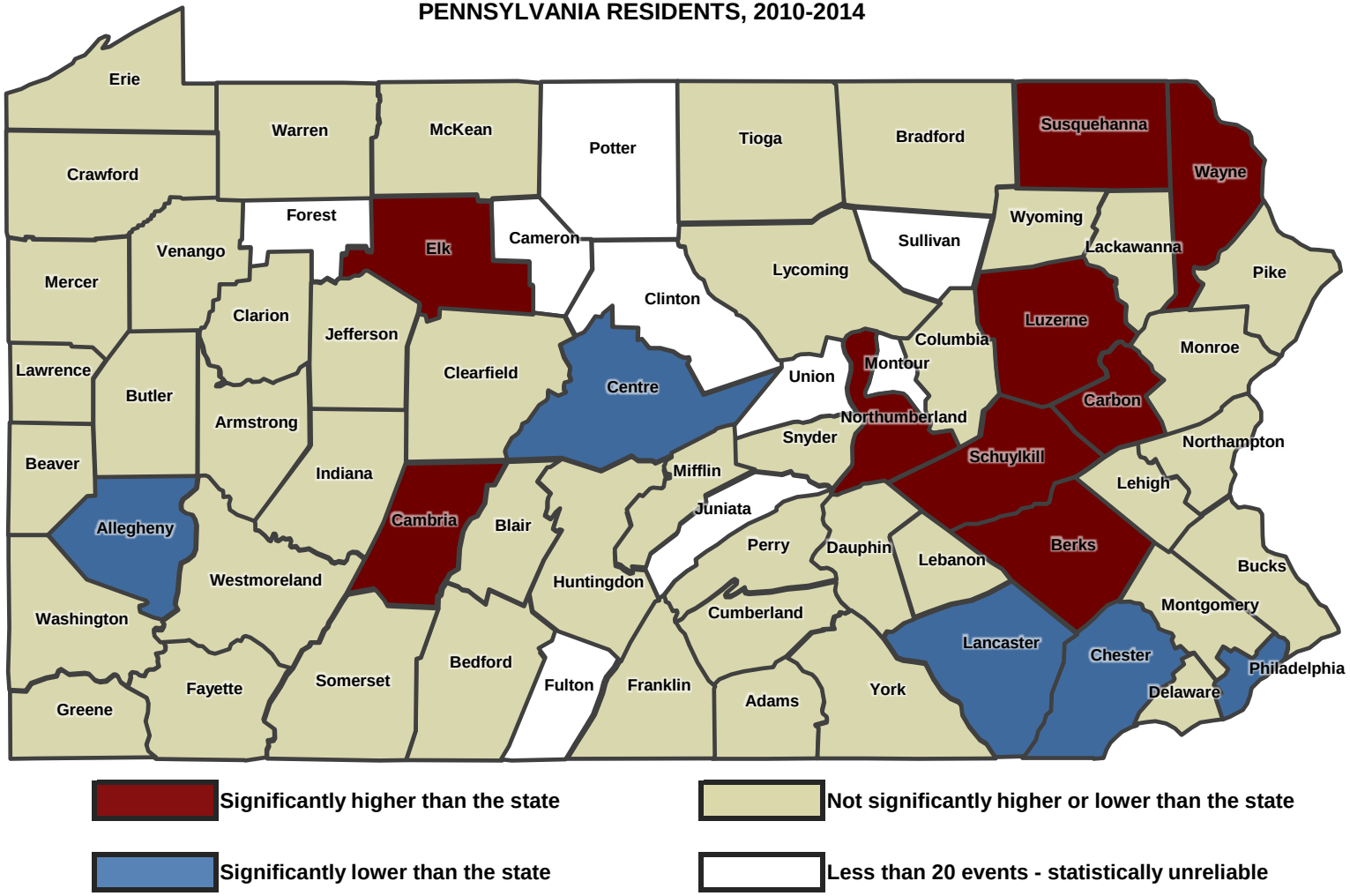
TOTAL NUMBER OF INJURY DEATHS AND ANNUAL DEATH RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**259**	**13.4**	**284**	**20.0**	**395**	**25.0**	**201**	**11.6**	**97**	**7.2**
Carbon	12	16.7	23	45.3	24	36.3	11	14.6	2	NSR
Lackawanna	34	13.7	35	17.5	59	29.6	25	11.0	8	NSR
Lehigh	45	9.8	53	16.0	88	24.9	46	12.9	26	9.6
Luzerne	64	17.7	63	21.8	75	23.9	34	9.9	24	8.1
Monroe	27	12.3	27	18.9	34	19.6	27	14.2	12	10.3
Northampton	34	9.3	41	15.3	67	22.5	26	8.2	14	5.7
Pike	10	14.7	9	NSR	15	25.8	13	19.4	5	NSR
Susquehanna	15	31.1	8	NSR	12	30.0	6	NSR	0	NSR
Wayne	11	20.7	14	35.0	19	36.7	13	20.3	6	NSR
Wyoming	7	NSR	11	46.3	2	NSR	0	NSR	0	NSR
North-Central	**124**	**14.9**	**138**	**17.8**	**121**	**19.1**	**58**	**8.2**	**19**	**3.3**
Bradford	8	NSR	14	28.6	13	22.2	17	24.1	6	NSR
Centre	15	8.4	16	6.2	23	18.5	16	12.8	4	NSR
Clinton	7	NSR	4	NSR	4	NSR	1	NSR	0	NSR
Columbia	14	17.5	20	28.2	6	NSR	4	NSR	0	NSR
Lycoming	19	13.7	21	18.5	26	24.2	8	NSR	6	NSR
Montour	6	NSR	8	NSR	2	NSR	0	NSR	0	NSR
Northumberland	21	20.1	21	25.7	26	28.6	10	9.6	3	NSR
Potter	5	NSR	6	NSR	0	NSR	0	NSR	0	NSR
Snyder	8	NSR	7	NSR	8	NSR	0	NSR	0	NSR
Sullivan	4	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Tioga	11	21.7	11	29.1	11	29.5	2	NSR	0	NSR
Union	6	NSR	8	NSR	2	NSR	0	NSR	0	NSR
Northwest	**195**	**17.6**	**198**	**24.1**	**196**	**22.7**	**76**	**7.5**	**23**	**2.8**
Cameron	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	4	NSR	12	28.6	11	32.0	6	NSR	0	NSR
Clearfield	11	12.6	20	28.1	26	30.4	6	NSR	1	NSR
Crawford	18	16.4	16	21.6	22	27.0	10	10.3	2	NSR
Elk	13	37.0	9	NSR	6	NSR	6	NSR	3	NSR
Erie	60	16.6	63	22.4	52	20.3	19	6.5	7	NSR
Forest	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	12	22.5	9	NSR	11	26.3	4	NSR	1	NSR
Lawrence	9	NSR	20	27.6	22	26.7	8	NSR	3	NSR
McKean	13	25.5	7	NSR	7	NSR	4	NSR	0	NSR
Mercer	29	20.8	23	23.9	21	19.8	5	NSR	4	NSR
Venango	10	16.0	11	26.2	8	NSR	4	NSR	1	NSR
Warren	7	NSR	8	NSR	10	25.9	4	NSR	1	NSR
Southeast	**601**	**9.1**	**702**	**13.4**	**1,119**	**22.3**	**438**	**8.6**	**231**	**6.3**
Berks	68	12.4	52	13.7	119	29.1	52	12.4	32	10.2
Bucks	82	10.7	86	16.9	170	26.2	57	7.9	32	6.5
Chester	74	10.8	52	12.0	90	17.0	27	5.1	12	3.5
Delaware	103	14.0	108	19.8	136	25.3	22	3.8	10	2.4
Lancaster	53	7.4	57	11.5	104	21.3	42	8.1	21	5.1
Montgomery	87	8.7	104	14.5	208	25.0	81	9.5	37	5.8
Philadelphia	105	5.3	211	10.4	249	17.5	139	10.3	75	7.9
Schuylkill	29	18.1	32	25.5	43	28.4	18	11.1	12	8.8
South-Central	**243**	**11.6**	**285**	**18.8**	**382**	**22.9**	**170**	**9.5**	**87**	**6.3**
Adams	15	12.1	29	33.7	28	27.8	5	NSR	4	NSR
Bedford	8	NSR	7	NSR	14	29.0	6	NSR	0	NSR
Blair	21	14.0	18	16.1	26	22.1	12	8.7	3	NSR
Cumberland	24	8.4	31	13.2	51	21.7	37	14.9	22	11.3
Dauphin	46	13.6	49	18.7	48	18.3	13	4.5	4	NSR
Franklin	17	8.7	24	18.5	31	20.9	18	11.9	6	NSR
Fulton	8	NSR	4	NSR	4	NSR	0	NSR	0	NSR
Huntingdon	11	21.4	10	23.2	14	30.3	6	NSR	2	NSR
Juniata	6	NSR	3	NSR	3	NSR	1	NSR	0	NSR
Lebanon	17	9.9	26	22.3	25	19.4	13	9.3	7	NSR
Mifflin	8	NSR	10	26.9	12	27.0	7	NSR	0	NSR
Perry	8	NSR	7	NSR	5	NSR	6	NSR	2	NSR
York	54	9.7	67	17.3	121	26.6	46	9.9	37	11.3
Southwest	**372**	**12.3**	**434**	**17.2**	**549**	**21.6**	**295**	**9.7**	**150**	**6.2**
Allegheny	138	10.2	176	13.7	244	21.7	116	8.7	60	5.8
Armstrong	14	18.5	11	20.7	16	24.1	7	NSR	1	NSR
Beaver	40	21.0	31	21.9	30	18.9	16	8.1	9	NSR
Butler	24	10.5	21	13.7	36	19.1	23	11.1	11	7.4
Cambria	30	19.0	29	24.1	36	27.8	20	12.3	5	NSR
Fayette	29	19.6	28	24.5	24	18.1	15	9.6	14	11.1
Greene	5	NSR	8	NSR	6	NSR	6	NSR	0	NSR
Indiana	13	12.1	21	21.2	12	16.5	7	NSR	3	NSR
Somerset	19	23.7	15	23.4	13	17.0	7	NSR	2	NSR
Washington	16	6.7	42	24.5	47	23.3	28	11.6	15	7.9
Westmoreland	44	11.2	52	18.5	85	24.3	50	11.5	30	8.4
Pennsylvania	**1,794**	**11.5**	**2,041**	**16.6**	**2,762**	**22.4**	**1,238**	**9.2**	**607**	**5.9**

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

INJURY DEATHS: SUICIDES

AGE-ADJUSTED DEATH RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



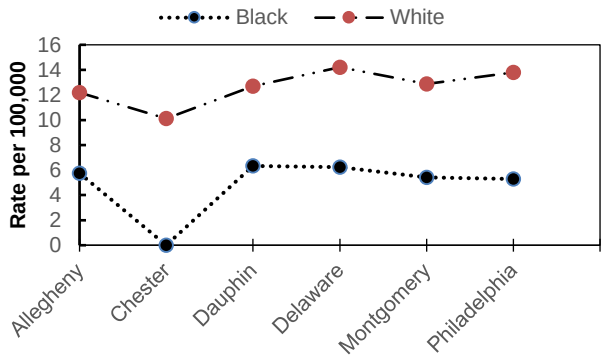
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: SUICIDES

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	47	5.8	4.1-7.4
Chester	5	NSR	
Dauphin	16	6.3	3.2-9.4
Delaware	35	6.2	4.2-8.3
Montgomery	20	5.4	3.0-7.8
Philadelphia	180	5.3	4.5-6.1
Pennsylvania	412	5.7	5.1-6.2



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	663	12.2	11.3-13.1
Chester	239	10.1	8.8-11.4
Dauphin	133	12.7	10.5-14.8
Delaware	305	14.2	12.6-15.8
Montgomery	464	12.9	11.7-14.0
Philadelphia	490	13.8	12.6-15.0
Pennsylvania	7,604	13.4	13.1-13.7

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	39	8	**47**	6.4%	8	NSR	20	11.2	11	7.6	4	NSR	4	NSR
	White	81.4%	522	141	**663**	90.6%	17	1.7	134	13.3	191	20.8	207	18.0	114	12.2
Chester	Black	6.3%	4	1	**5**	2.0%	1	NSR	2	NSR	1	NSR	1	NSR	0	NSR
	White	86.9%	191	48	**239**	94.5%	12	2.1	50	13.7	51	11.1	87	17.8	39	12.1
Dauphin	Black	18.5%	12	4	**16**	10.0%	0	NSR	7	NSR	5	NSR	4	NSR	0	NSR
	White	74.2%	108	25	**133**	83.1%	3	NSR	31	16.5	41	20.9	41	17.5	17	10.2
Delaware	Black	20.5%	27	8	**35**	9.3%	1	NSR	9	NSR	10	8.8	13	14.5	2	NSR
	White	72.1%	220	85	**305**	81.1%	6	NSR	71	19.3	89	23.4	114	24.9	25	7.1
Montgomery	Black	9.1%	18	2	**20**	3.9%	1	NSR	9	NSR	5	NSR	2	NSR	3	NSR
	White	81.6%	347	117	**464**	90.4%	14	1.8	78	14.0	127	19.0	169	23.0	76	13.4
Philadelphia	Black	44.1%	151	29	**180**	23.3%	17	1.7	71	9.3	41	6.4	35	5.7	16	4.2
	White	44.7%	372	118	**490**	63.5%	5	NSR	104	10.4	159	25.6	136	22.1	86	16.8
Pennsylvania	Black	11.3%	343	69	**412**	4.9%	37	1.6	159	9.6	100	7.2	83	6.7	33	4.7
	White	83.1%	6,039	1,565	**7,604**	90.5%	296	2.5	1,500	15.4	2,063	20.2	2,382	20.3	1,363	14.7

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: HOMICIDES

In 2014, among Pennsylvania residents, there were 617 deaths due to assault injury (homicides). On average, 12 residents died every week.

Injury Definition

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

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

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

HIGHLIGHTS

- Age-adjusted rates have generally been fairly **stable** from 2010 to 2014.
- Most common demographic is **black males**, ages 15 to 39.
- Of all Pennsylvania counties, **Philadelphia** had the highest rate.

Trends Over Time

- The age-adjusted death rates for homicide decreased by 2 percent from 5.6 deaths per 100,000 population in 2010 to 5.5 deaths in 2011. The rate then increased by 6 percent to 5.8 deaths in 2012. Thereafter, the rates decreased by 12 percent to 5.1 deaths per 100,000 population in 2014.
- Males had higher age-adjusted homicide rates than females from 2010 to 2014 (2014 rates were 8.1 and 2.0 for males and females, respectively).
- Urban populations had significantly higher age-adjusted homicide rates than rural populations among ages 15-59, while rural populations had higher rates for ages 60 and older where rates could be calculated.

Demographic Trends

- Males had significantly higher homicide rates than females among ages 15-79.
- Among males and females, blacks had significantly higher homicide rates than whites for all ages where rates could be calculated.
- Black males, ages 15 to 59, accounted for over half of all homicides in 2010 to 2014.

Regional Trends

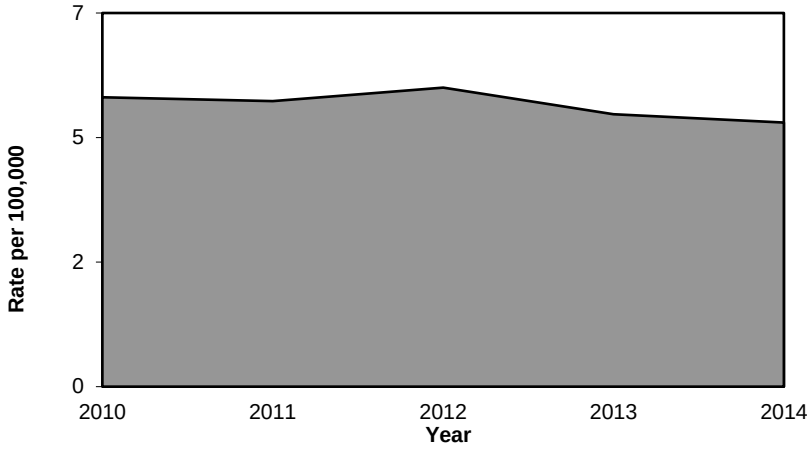
- The Southeast Health District had the highest age-adjusted homicide rate, while the North-Central Health District had the lowest age-adjusted homicide rate.
- Three counties (Allegheny, Delaware and Philadelphia) had age-adjusted homicide rates that were significantly higher than the comparable state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

  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 over 2010 to 2014).

INJURY DEATHS: HOMICIDES

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES, PENNSYLVANIA RESIDENTS, 2010-2014

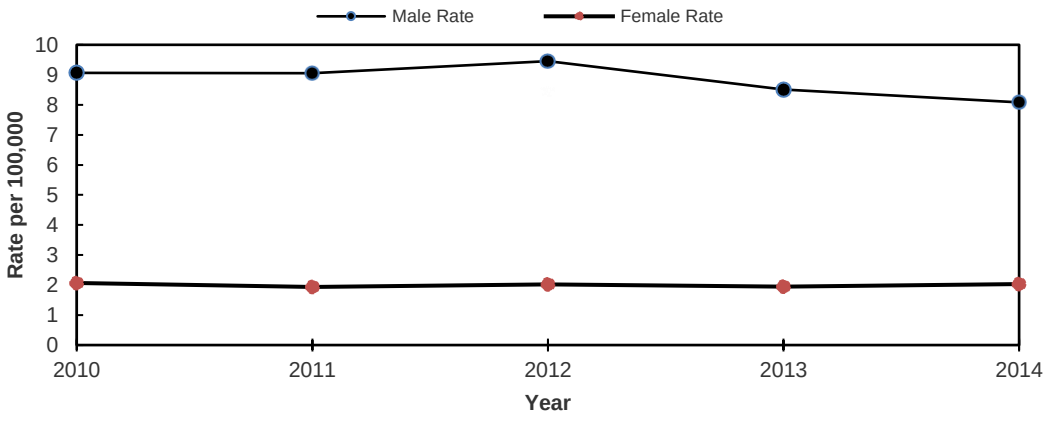
Year	No.	Rate
2010	682	5.6
2011	674	5.5
2012	699	5.8
2013	630	5.3
2014	617	5.1



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

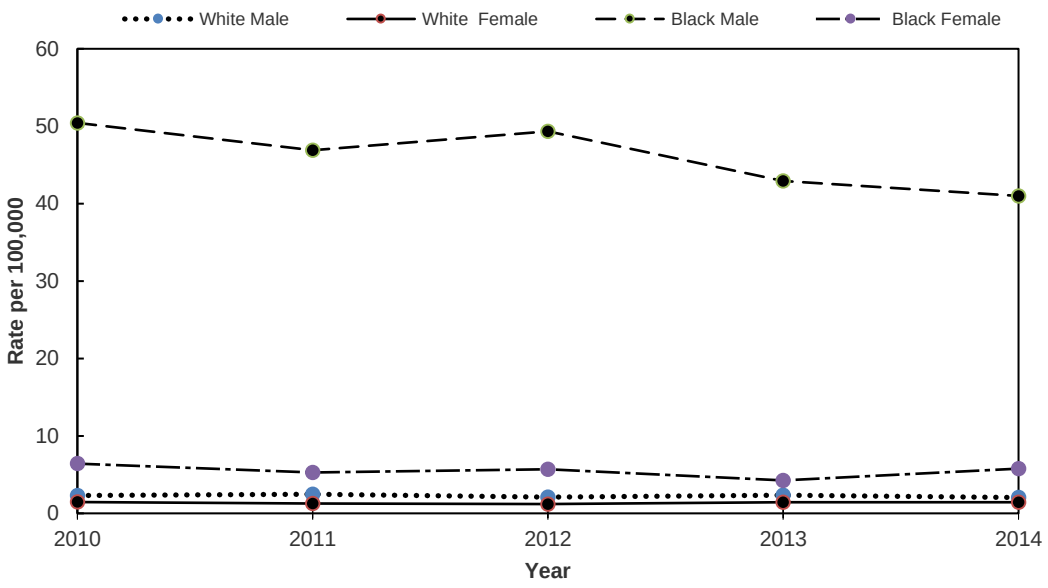
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	553	9.1	2010	128	2.1
2011	555	9.1	2011	119	1.9
2012	570	9.5	2012	129	2.0
2013	507	8.5	2013	123	2.0
2014	489	8.1	2014	128	2.0



INJURY DEATHS: HOMICIDES

TOTAL NUMBER OF INJURY DEATHS AND DEATH RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Number				Year	Age-Adjusted Rates			
	White Male	White Female	Black Male	Black Female		White Male	White Female	Black Male	Black Female
2010	120	74	366	45	2010	2.3	1.5	50.4	6.4
2011	126	67	364	41	2011	2.5	1.3	46.9	5.3
2012	108	66	376	44	2012	2.1	1.2	49.3	5.7
2013	119	80	323	33	2013	2.3	1.5	42.9	4.3
2014	105	77	317	44	2014	2.0	1.4	41.0	5.8



AGE-ADJUSTED DEATH RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	11.3	3.1	2.3	1.4
2011	11.4	2.8	2.1	1.4
2012	11.9	2.8	2.1	1.8
2013	10.3	3.8	1.9	2.0
2014	9.9	3.0	2.3	NSR

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 BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**3,302**	**5.2**	**2,674**	**8.6**	**627**	**1.9**		**2,917**	**6.3**	**385**	**2.2**	
< 5	62	1.7	29	1.6	32	1.8		49	1.8	13	1.5	
5-9	23	0.6	14	0.7	9	NSR		15	0.5	8	NSR	
10-14	22	0.6	14	0.7	8	NSR		18	0.6	4	NSR	
15-19	427	9.8	379	17.1	48	2.3	*	395	12.5	32	2.7	*
20-24	711	16.2	641	28.8	70	3.2	*	667	21.0	44	3.6	*
25-29	480	11.8	409	19.9	71	3.5	*	441	14.1	39	4.1	*
30-34	350	9.2	298	15.6	52	2.7	*	317	11.0	33	3.5	*
35-39	306	8.4	253	13.9	53	2.9	*	273	10.1	33	3.4	*
40-44	239	5.8	180	8.8	59	2.8	*	207	6.9	32	2.9	*
45-49	189	4.2	135	6.1	54	2.4	*	155	4.7	34	2.8	*
50-54	169	3.5	120	5.0	49	2.0	*	134	3.8	35	2.6	*
55-59	108	2.3	81	3.6	27	1.1	*	88	2.7	20	1.5	*
60-64	61	1.5	43	2.3	18	0.9	*	43	1.5	18	1.6	
65-69	43	1.4	28	2.0	15	0.9	*	34	1.6	9	NSR	
70-74	32	1.4	18	1.7	14	1.1	*	23	1.5	9	NSR	
75-79	27	1.5	15	1.9	12	1.2	*	17	1.4	10	1.8	
80-84	27	1.8	8	NSR	19	2.1		22	2.1	5	NSR	
85 +	26	1.6	9	NSR	17	1.6		19	1.6	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, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**578**	**2.2**	**1,746**	**50.3**		**364**	**1.3**	**207**	**5.5**	
< 5	16	1.2	12	4.3	*	17	1.3	13	4.9	*
5-9	9	NSR	4	NSR		7	NSR	0	NSR	
10-14	2	NSR	7	NSR		5	NSR	2	NSR	
15-19	41	2.4	283	87.7	*	15	0.9	25	8.2	*
20-24	68	3.9	501	153.1	*	35	2.1	27	8.4	*
25-29	61	3.7	283	109.7	*	35	2.2	32	12.0	*
30-34	59	3.8	200	86.6	*	28	1.9	17	6.9	*
35-39	42	2.8	175	83.0	*	29	2.0	16	7.0	*
40-44	56	3.3	99	43.8	*	31	1.8	22	9.0	*
45-49	52	2.7	69	29.8	*	28	1.5	19	7.5	*
50-54	55	2.6	51	22.5	*	34	1.6	14	5.5	*
55-59	37	1.9	32	16.5	*	22	1.1	5	2.2	
60-64	22	1.3	17	11.6	*	13	0.7	3	NSR	
65-69	17	1.3	6	NSR		10	0.7	5	NSR	
70-74	14	1.5	3	NSR		11	1.0	3	NSR	
75-79	11	1.6	4	NSR		11	1.2	1	NSR	
80-84	8	NSR	0	NSR		17	2.0	2	NSR	
85 +	8	NSR	0	NSR		16	1.6	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.

INJURY DEATHS: HOMICIDES

TOTAL NUMBER OF INJURY DEATHS BY SEX, AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**242**	**3.2**	**2.8-3.6**	**-**	**171**	**4.4**	**71**	**1.7**
Carbon	8	NSR			4	NSR	4	NSR
Lackawanna	18	NSR			13	NSR	5	NSR
Lehigh	79	4.6	3.6-5.6		55	6.4	24	2.6
Luzerne	61	4.1	3.1-5.1	-	43	5.5	18	NSR
Monroe	22	2.7	1.6-3.8	-	20	4.8	2	NSR
Northampton	33	2.3	1.5-3.1	-	22	3.0	11	NSR
Pike	1	NSR			1	NSR	0	NSR
Susquehanna	5	NSR			3	NSR	2	NSR
Wayne	14	NSR			9	NSR	5	NSR
Wyoming	1	NSR			1	NSR	0	NSR
North-Central	**63**	**1.8**	**1.4-2.3**	**-**	**46**	**2.6**	**17**	**1.0**
Bradford	7	NSR			2	NSR	5	NSR
Centre	2	NSR			1	NSR	1	NSR
Clinton	1	NSR			1	NSR	0	NSR
Columbia	4	NSR			2	NSR	2	NSR
Lycoming	16	NSR			14	NSR	2	NSR
Montour	1	NSR			1	NSR	0	NSR
Northumberland	9	NSR			5	NSR	4	NSR
Potter	2	NSR			1	NSR	1	NSR
Snyder	6	NSR			5	NSR	1	NSR
Sullivan	1	NSR			1	NSR	0	NSR
Tioga	9	NSR			8	NSR	1	NSR
Union	5	NSR			5	NSR	0	NSR
Northwest	**133**	**3.0**	**2.5-3.6**	**-**	**89**	**3.9**	**44**	**1.9**
Cameron	1	NSR			1	NSR	0	NSR
Clarion	3	NSR			1	NSR	2	NSR
Clearfield	3	NSR			2	NSR	1	NSR
Crawford	14	NSR			9	NSR	5	NSR
Elk	5	NSR			2	NSR	3	NSR
Erie	53	4.0	2.9-5.1	-	36	5.2	17	NSR
Forest	2	NSR			1	NSR	1	NSR
Jefferson	3	NSR			1	NSR	2	NSR
Lawrence	26	6.6	4.1-9.1		20	9.2	6	NSR
McKean	3	NSR			1	NSR	2	NSR
Mercer	14	NSR			11	NSR	3	NSR
Venango	5	NSR			3	NSR	2	NSR
Warren	1	NSR			1	NSR	0	NSR
Southeast	**1,952**	**7.8**	**7.4-8.1**	**+**	**1,674**	**13.5**	**277**	**2.1**
Berks	83	4.2	3.3-5.1	-	67	6.6	15	NSR
Bucks	49	1.6	1.2-2.0	-	29	1.9	20	1.3
Chester	40	1.7	1.2-2.2	-	34	2.7	6	NSR
Delaware	188	7.1	6.1-8.1	+	162	12.0	26	1.8
Lancaster	52	2.0	1.5-2.6	-	33	2.6	19	NSR
Montgomery	79	2.1	1.6-2.5	-	51	2.6	28	1.3
Philadelphia	1,443	17.3	16.4-18.2	+	1,284	35.2	159	3.9
Schuylkill	18	NSR			14	NSR	4	NSR
South-Central	**263**	**3.4**	**3.0-3.8**	**-**	**194**	**4.7**	**69**	**1.6**
Adams	7	NSR			3	NSR	4	NSR
Bedford	8	NSR			7	NSR	1	NSR
Blair	10	NSR			6	NSR	4	NSR
Cumberland	16	NSR			8	NSR	8	NSR
Dauphin	86	6.8	5.4-8.2		71	10.9	15	NSR
Franklin	20	2.9	1.6-4.2	-	12	NSR	8	NSR
Fulton	1	NSR			1	NSR	0	NSR
Huntingdon	1	NSR			1	NSR	0	NSR
Juniata	2	NSR			2	NSR	0	NSR
Lebanon	16	NSR			12	NSR	4	NSR
Mifflin	3	NSR			2	NSR	1	NSR
Perry	5	NSR			3	NSR	2	NSR
York	88	4.4	3.4-5.3	-	66	6.1	22	2.0
Southwest	**649**	**5.2**	**4.8-5.6**		**505**	**7.7**	**144**	**2.1**
Allegheny	470	8.1	7.4-8.8	+	392	13.3	78	2.4
Armstrong	3	NSR			2	NSR	1	NSR
Beaver	25	3.1	1.9-4.3	-	18	NSR	7	NSR
Butler	12	NSR			8	NSR	4	NSR
Cambria	31	5.3	3.4-7.1		22	6.3	9	NSR
Fayette	19	NSR			12	NSR	7	NSR
Greene	5	NSR			2	NSR	3	NSR
Indiana	14	NSR			10	NSR	4	NSR
Somerset	6	NSR			2	NSR	4	NSR
Washington	26	2.7	1.6-3.7	-	17	NSR	9	NSR
Westmoreland	38	2.5	1.7-3.3	-	20	2.3	18	NSR
Pennsylvania	**3,302**	**5.4**	**5.3-5.6**		**2,679**	**8.6**	**622**	**1.9**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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

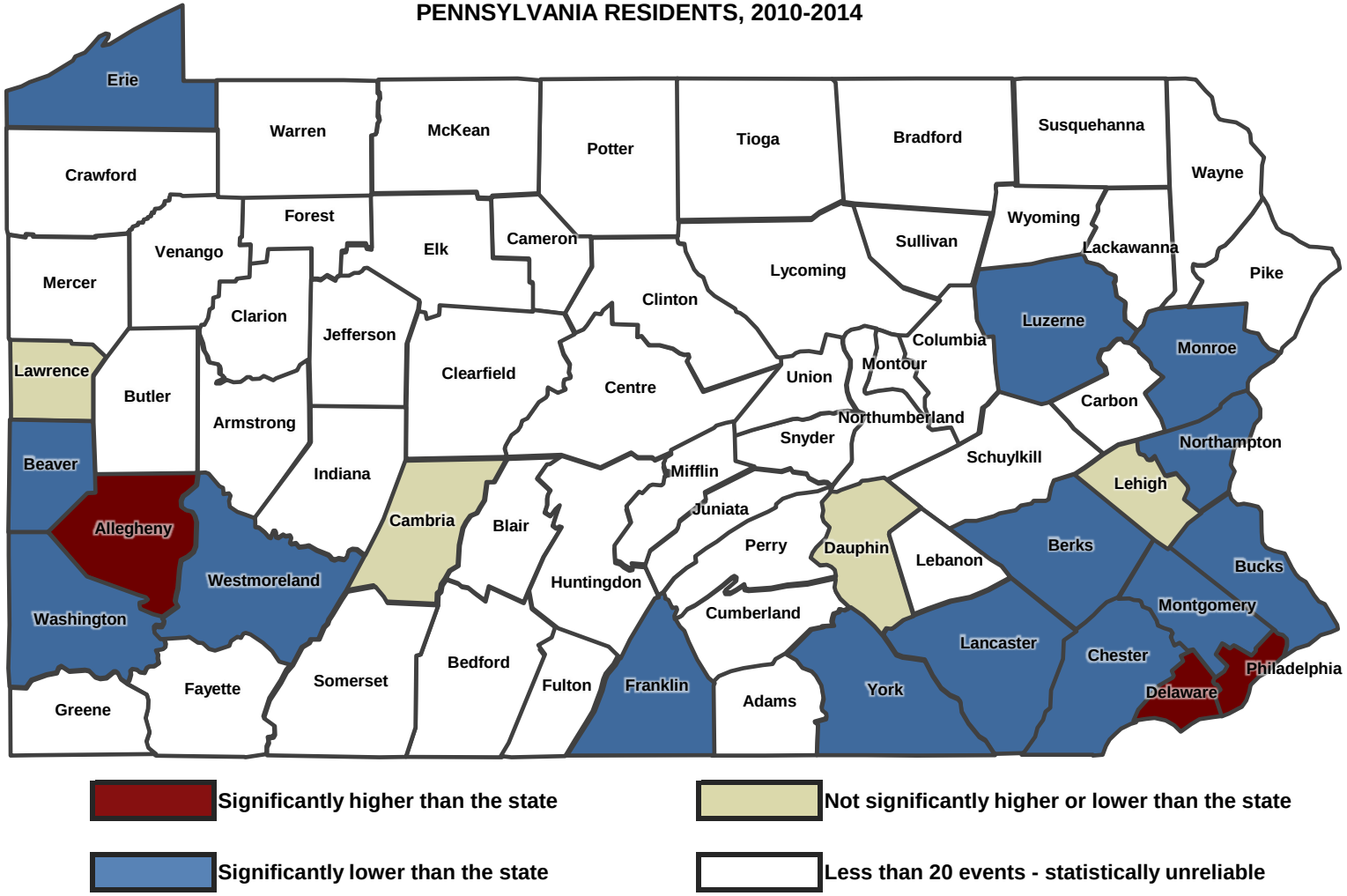
TOTAL NUMBER OF INJURY DEATHS AND ANNUAL DEATH RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**100**	**5.2**	**80**	**5.6**	**40**	**2.5**	**14**	**0.8**	**8**	**0.6**
Carbon	4	NSR	4	NSR	0	NSR	0	NSR	0	NSR
Lackawanna	10	4.0	5	NSR	3	NSR	0	NSR	0	NSR
Lehigh	34	7.4	23	6.9	11	3.1	6	NSR	5	NSR
Luzerne	21	5.8	21	7.3	12	3.8	4	NSR	3	NSR
Monroe	7	NSR	8	NSR	6	NSR	1	NSR	0	NSR
Northampton	12	3.3	13	4.9	5	NSR	3	NSR	0	NSR
Pike	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Susquehanna	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Wayne	5	NSR	6	NSR	3	NSR	0	NSR	0	NSR
Wyoming	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
North-Central	**46**	**5.5**	**12**	**1.5**	**5**	**NSR**	**0**	**NSR**	**0**	**NSR**
Bradford	6	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Centre	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clinton	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Columbia	4	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Lycoming	9	NSR	4	NSR	3	NSR	0	NSR	0	NSR
Montour	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Northumberland	4	NSR	3	NSR	2	NSR	0	NSR	0	NSR
Potter	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Snyder	5	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Sullivan	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	6	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Union	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Northwest	**78**	**7.0**	**36**	**4.4**	**16**	**1.9**	**3**	**NSR**	**0**	**NSR**
Cameron	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clearfield	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Crawford	10	9.1	4	NSR	0	NSR	0	NSR	0	NSR
Elk	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Erie	21	5.8	20	7.1	11	4.3	1	NSR	0	NSR
Forest	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Jefferson	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Lawrence	12	11.4	8	NSR	4	NSR	2	NSR	0	NSR
McKean	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Mercer	9	NSR	4	NSR	1	NSR	0	NSR	0	NSR
Venango	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Warren	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Southeast	**330**	**5.0**	**992**	**18.9**	**406**	**8.1**	**165**	**3.2**	**59**	**1.6**
Berks	22	4.0	35	9.2	18	4.4	5	NSR	3	NSR
Bucks	12	1.6	13	2.6	8	NSR	10	1.4	6	NSR
Chester	18	2.6	13	3.0	7	NSR	2	NSR	0	NSR
Delaware	29	3.9	99	18.2	47	8.7	6	NSR	7	NSR
Lancaster	17	2.4	19	3.8	8	NSR	8	NSR	0	NSR
Montgomery	17	1.7	27	3.8	16	1.9	12	1.4	7	NSR
Philadelphia	208	10.5	780	38.5	298	21.0	121	9.0	36	3.8
Schuylkill	7	NSR	6	NSR	4	NSR	1	NSR	0	NSR
South-Central	**132**	**6.3**	**82**	**5.4**	**38**	**2.3**	**9**	**NSR**	**2**	**NSR**
Adams	5	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Bedford	5	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Blair	5	NSR	3	NSR	2	NSR	0	NSR	0	NSR
Cumberland	7	NSR	7	NSR	2	NSR	0	NSR	0	NSR
Dauphin	33	9.7	30	11.4	17	6.5	4	NSR	2	NSR
Franklin	13	6.7	5	NSR	2	NSR	0	NSR	0	NSR
Fulton	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Huntingdon	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Juniata	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Lebanon	11	6.4	4	NSR	1	NSR	0	NSR	0	NSR
Mifflin	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Perry	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
York	41	7.4	28	7.2	14	3.1	5	NSR	0	NSR
Southwest	**176**	**5.8**	**285**	**11.3**	**122**	**4.8**	**49**	**1.6**	**17**	**0.7**
Allegheny	103	7.6	218	17.0	92	8.2	40	3.0	17	1.6
Armstrong	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Beaver	14	7.4	7	NSR	4	NSR	0	NSR	0	NSR
Butler	7	NSR	5	NSR	0	NSR	0	NSR	0	NSR
Cambria	11	7.0	14	11.6	4	NSR	2	NSR	0	NSR
Fayette	9	NSR	3	NSR	6	NSR	1	NSR	0	NSR
Greene	4	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Indiana	4	NSR	6	NSR	3	NSR	1	NSR	0	NSR
Somerset	5	NSR	1	NSR	0	NSR	0	NSR	0	NSR
Washington	7	NSR	11	6.4	5	NSR	3	NSR	0	NSR
Westmoreland	9	NSR	19	6.8	8	NSR	2	NSR	0	NSR
Pennsylvania	**862**	**5.5**	**1,487**	**12.1**	**627**	**5.1**	**240**	**1.8**	**86**	**0.8**

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: HOMICIDES

AGE-ADJUSTED DEATH RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



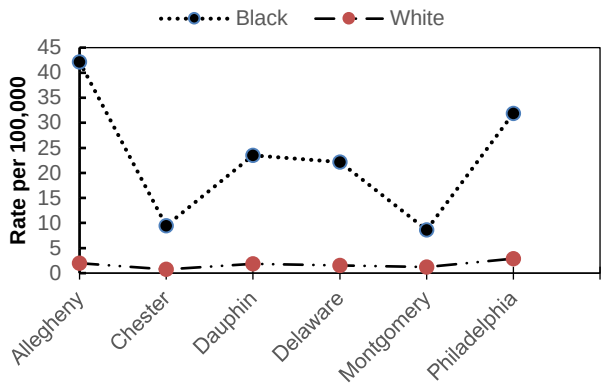
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: HOMICIDES

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	353	42.2	37.8-46.6
Chester	16	9.5	4.8-14.1
Dauphin	59	23.5	17.5-29.5
Delaware	137	22.1	18.4-25.8
Montgomery	33	8.6	5.7-11.6
Philadelphia	1,125	31.9	30.0-33.7
Pennsylvania	1,953	25.4	24.3-26.6



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	97	2.0	1.6-2.4
Chester	15	0.7	0.4-1.1
Dauphin	19	1.8	1.0-2.6
Delaware	32	1.5	1.0-2.1
Montgomery	39	1.2	0.8-1.6
Philadelphia	110	2.9	2.4-3.4
Pennsylvania	943	1.8	1.7-1.9

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	315	38	**353**	75.8%	80	31.7	180	100.5	69	47.9	19	12.7	5	NSR
	White	81.4%	58	39	**97**	20.8%	16	1.6	30	3.0	20	2.2	19	1.6	12	NSR
Chester	Black	6.3%	15	1	**16**	40.0%	3	NSR	8	NSR	4	NSR	1	NSR	0	NSR
	White	86.9%	10	5	**15**	37.5%	1	NSR	4	NSR	7	NSR	3	NSR	0	NSR
Dauphin	Black	18.5%	51	8	**59**	68.6%	16	19.3	28	54.3	11	23.1	2	NSR	2	NSR
	White	74.2%	16	3	**19**	22.1%	1	NSR	6	NSR	5	NSR	6	NSR	1	NSR
Delaware	Black	20.5%	125	12	**137**	73.3%	25	12.8	80	60.8	31	27.2	1	NSR	0	NSR
	White	72.1%	19	13	**32**	17.1%	1	NSR	10	2.7	10	2.6	5	NSR	6	NSR
Montgomery	Black	9.1%	27	6	**33**	41.8%	9	NSR	14	18.6	8	NSR	2	NSR	0	NSR
	White	81.6%	20	19	**39**	49.4%	6	NSR	10	1.8	7	NSR	9	NSR	7	NSR
Philadelphia	Black	44.1%	1,024	101	**1,125**	78.5%	169	16.7	630	82.6	225	35.3	85	13.9	16	4.2
	White	44.7%	80	30	**110**	7.7%	5	NSR	49	4.9	24	3.9	15	2.4	17	3.3
Pennsylvania	Black	11.3%	1,746	207	**1,953**	59.5%	346	15.4	1,060	64.2	400	28.7	122	9.9	25	3.5
	White	83.1%	578	364	**942**	28.7%	113	0.9	286	2.9	238	2.3	183	1.6	123	1.3

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

In 2014, among Pennsylvania residents, there were 2,330 injury deaths involving traumatic brain injury (TBI). On average, one resident died every four hours.

Injury Definition

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

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

Leading causes of TBI include firearms, motor vehicle accidents and falls. These mechanisms account for more than 80 percent of TBI deaths.

HIGHLIGHTS

- Age-adjusted rates **increased** from 2010 to 2013 and then **decreased** in 2014.
- **White males**, ages 80 and older, had the highest rates.
- Of all Pennsylvania counties, **Bedford, Elk** and **Clarion** had the highest rates.

Trends Over Time

- Age-adjusted TBI death rates increased by 6 percent from 15.7 deaths per 100,000 population in 2010 to 16.7 deaths per 100,000 population in 2013. Rate then decreased by 6.6 percent to 15.6 deaths per 100,000 population in 2014.
- Males had higher age-adjusted TBI death rates than females during 2010 to 2014 (2014 rates were 24.5 and 7.7 for males and females, respectively).
- Rural populations had significantly higher age-adjusted TBI death rates than urban populations for almost all age groups from 2010 to 2014.

Demographic Trends

- Males had significantly higher age-adjusted TBI death rates than females for all age groups except ages under 5 during 2010 to 2014.
- White males accounted for over 61 percent of all TBI deaths in 2010 to 2014.
- Black males had significantly higher TBI death rates than white males for ages less than 40 where rates could be calculated, while white males had significantly higher TBI death rates for ages 45 and older except ages 60-64.
- Among females, whites had significantly higher TBI death rates than blacks for ages 45-54 and 75 and older, while blacks had significantly higher rates for ages 65-69.

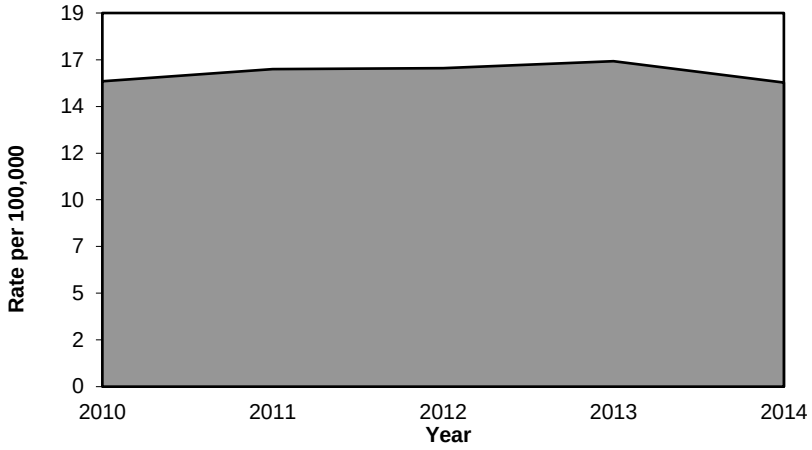
Regional Trends

- The Southwest and Northwest Health Districts had the highest age-adjusted TBI death rates, while the Southeast Health District had the lowest rate.
- Twenty-seven counties (including all the counties in the Southwest Health District) had age-adjusted TBI death rates for 2010 to 2014 that were significantly higher than the comparable state rate.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES, PENNSYLVANIA RESIDENTS, 2010-2014

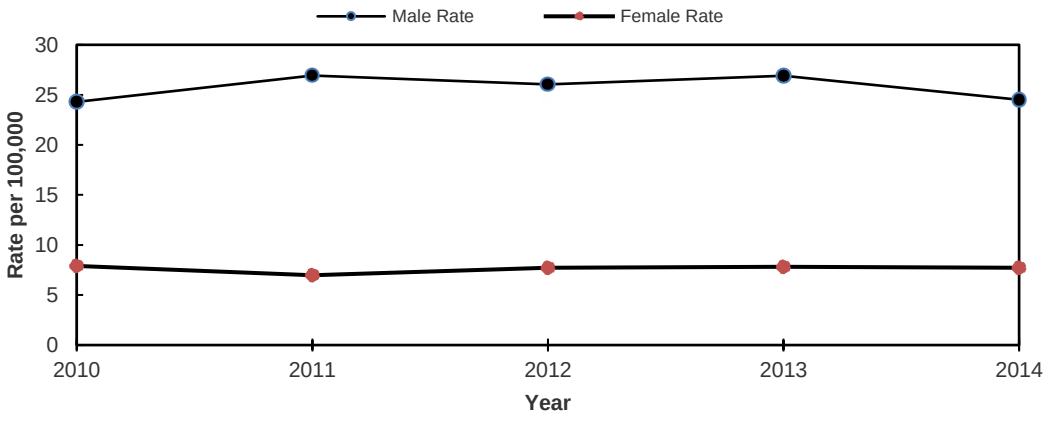
Year	No.	Rate
2010	2,225	15.7
2011	2,331	16.3
2012	2,358	16.4
2013	2,441	16.7
2014	2,330	15.6



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

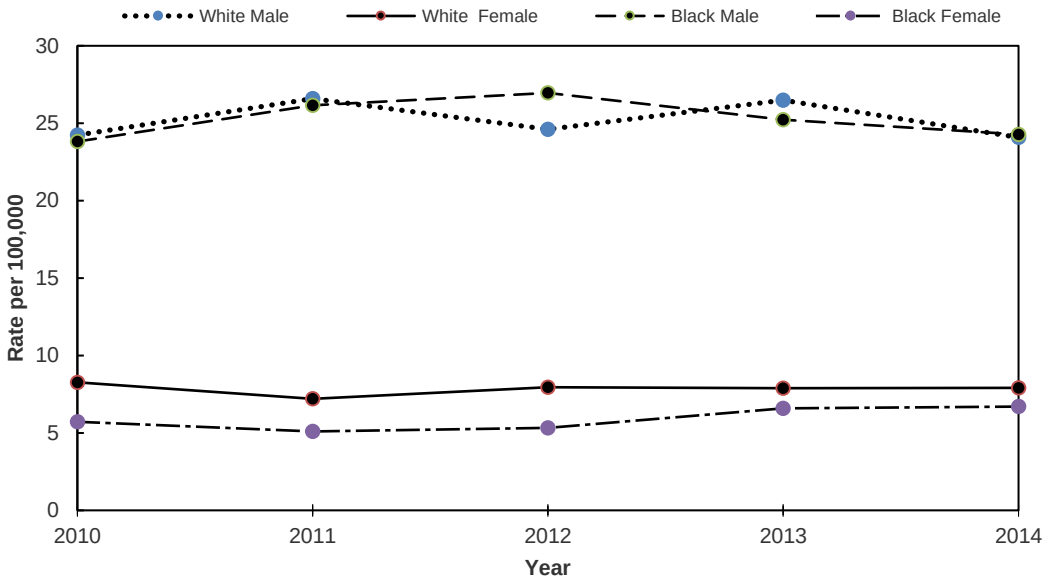
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	1,558	24.3	2010	667	7.9
2011	1,744	26.9	2011	587	7.0
2012	1,706	26.0	2012	652	7.7
2013	1,778	26.9	2013	663	7.8
2014	1,654	24.5	2014	676	7.7



INJURY DEATHS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF INJURY DEATHS AND DEATH RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates			
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	1,338	607	156	41	2010	24.2	8.3	23.8	5.7
2011	1,507	534	173	39	2011	26.6	7.2	26.2	5.1
2012	1,410	589	184	39	2012	24.6	7.9	27.0	5.3
2013	1,531	591	173	50	2013	26.5	7.9	25.2	6.6
2014	1,425	612	164	51	2014	24.1	7.9	24.3	6.7



AGE-ADJUSTED DEATH RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	22.4	29.1	7.1	10.2
2011	24.6	33.3	6.2	8.9
2012	23.6	32.4	6.6	10.8
2013	24.9	32.2	7.0	10.1
2014	22.8	29.2	7.0	9.8

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 BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**11,685**	**18.3**	**8,440**	**27.1**	**3,245**	**9.9**		**7,701**	**16.6**	**3,984**	**23.1**	
< 5	73	2.0	41	2.2	32	1.8		45	1.7	28	3.2	*
5-9	45	1.2	30	1.6	15	0.8	*	27	1.0	18	1.9	*
10-14	76	2.0	54	2.7	22	1.2	*	46	1.6	30	2.9	*
15-19	499	11.5	382	17.2	117	5.5	*	303	9.6	196	16.5	*
20-24	831	18.9	702	31.5	129	5.9	*	548	17.3	283	23.2	*
25-29	664	16.3	540	26.3	124	6.2	*	437	14.0	227	24.1	*
30-34	527	13.8	430	22.4	97	5.1	*	360	12.5	167	17.9	*
35-39	485	13.3	398	21.9	87	4.7	*	291	10.8	194	20.3	*
40-44	562	13.6	440	21.5	122	5.9	*	351	11.6	211	18.9	*
45-49	719	15.9	573	25.7	146	6.4	*	465	14.1	254	20.6	*
50-54	830	17.1	692	29.0	138	5.6	*	560	15.9	270	20.1	*
55-59	789	17.2	631	28.1	158	6.7	*	507	15.4	282	21.7	*
60-64	667	16.9	535	28.1	132	6.5	*	423	15.1	244	21.3	*
65-69	600	19.8	455	31.9	145	9.0	*	398	18.8	202	22.1	
70-74	679	29.9	485	47.0	194	15.6	*	425	27.0	254	36.2	*
75-79	739	41.1	509	66.0	230	22.4	*	502	40.1	237	43.7	
80-84	1,039	69.1	637	107.4	402	44.2	*	710	66.6	329	75.3	
85 +	1,861	116.0	906	176.3	955	87.5	*	1,303	112.5	558	125.0	*

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

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.
Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF INJURY DEATHS BY AGE GROUP WITH AVERAGE ANNUAL DEATH RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**7,211**	**27.8**	**850**	**24.5**		**2,933**	**10.8**	**220**	**5.8**	
< 5	23	1.7	11	4.0	*	26	2.0	5	NSR	
5-9	23	1.6	6	NSR		14	1.0	0	NSR	
10-14	41	2.6	8	NSR		17	1.1	5	NSR	
15-19	247	14.2	107	33.2	*	94	5.6	17	5.6	
20-24	495	28.4	152	46.4	*	105	6.2	15	4.7	*
25-29	383	23.2	110	42.6	*	101	6.3	17	6.4	
30-34	314	20.3	79	34.2	*	80	5.3	11	4.5	
35-39	304	20.5	74	35.1	*	73	5.0	8	NSR	
40-44	370	21.6	42	18.6		100	5.8	14	5.7	
45-49	520	27.4	34	14.7	*	132	6.8	11	4.3	*
50-54	612	29.5	52	22.9	*	125	5.9	11	4.3	*
55-59	577	29.1	34	17.5	*	143	7.0	13	5.8	
60-64	480	28.2	41	28.0		118	6.6	8	NSR	
65-69	420	32.5	19	19.4	*	127	8.9	16	12.0	*
70-74	445	47.5	22	32.5	*	172	15.5	17	17.0	
75-79	478	67.6	17	35.8	*	204	22.0	13	16.5	*
80-84	599	108.4	26	83.5	*	381	45.6	15	24.5	*
85 +	880	182.4	16	63.9	*	921	90.7	24	37.4	*

* 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.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF INJURY DEATHS BY SEX, AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**1,438**	**15.7**	**14.9-16.5**		**1,062**	**27.0**	**376**	**9.2**
Carbon	84	23.0	18.1-27.9	+	61	38.0	23	14.0
Lackawanna	176	13.8	11.7-15.8	-	128	24.8	48	8.7
Lehigh	306	15.3	13.6-17.0		221	25.7	85	9.3
Luzerne	279	15.5	13.6-17.3		214	27.2	65	8.0
Monroe	170	19.7	16.7-22.6	+	125	30.1	45	10.6
Northampton	239	12.9	11.3-14.6	-	168	22.9	71	9.3
Pike	46	14.6	10.4-18.8		36	25.3	10	NSR
Susquehanna	48	23.4	16.7-30.0	+	40	37.2	8	NSR
Wayne	64	19.9	15.0-24.8		51	37.1	13	NSR
Wyoming	26	18.6	11.5-25.8		18	NSR	8	NSR
North-Central	**653**	**16.2**	**15.0-17.4**		**466**	**26.3**	**187**	**10.7**
Bradford	77	22.1	17.2-27.0	+	54	35.0	23	14.6
Centre	109	14.3	11.6-16.9		81	20.0	28	7.5
Clinton	34	15.7	10.4-20.9		28	28.9	6	NSR
Columbia	61	15.9	11.9-19.9		41	25.4	20	11.5
Lycoming	109	17.0	13.8-20.2		86	30.0	23	7.7
Montour	23	18.1	10.7-25.5		13	NSR	10	NSR
Northumberland	90	16.2	12.9-19.6		61	25.8	29	12.3
Potter	22	20.6	12.0-29.2		14	NSR	8	NSR
Snyder	40	17.4	12.0-22.9		29	29.5	11	NSR
Sullivan	6	NSR			3	NSR	3	NSR
Tioga	49	20.1	14.5-25.8		39	37.4	10	NSR
Union	33	12.0	7.9-16.0		17	NSR	16	NSR
Northwest	**1,018**	**20.1**	**18.8-21.3**	**+**	**761**	**33.3**	**257**	**11.1**
Cameron	7	NSR			5	NSR	2	NSR
Clarion	58	29.5	21.9-37.1	+	44	45.8	14	NSR
Clearfield	106	22.8	18.5-27.1	+	78	37.0	28	14.3
Crawford	99	20.7	16.6-24.8	+	76	35.4	23	10.2
Elk	54	31.9	23.440.4	+	38	48.2	16	NSR
Erie	218	14.7	12.7-16.6		150	21.7	68	9.6
Forest	13	NSR			10	NSR	3	NSR
Jefferson	65	25.3	19.1-31.4	+	57	51.2	8	NSR
Lawrence	120	23.8	19.5-28.0	+	94	43.4	26	11.2
McKean	42	17.7	12.3-23.0		36	32.7	6	NSR
Mercer	126	20.0	16.5-23.5	+	94	33.1	32	10.9
Venango	67	23.1	17.6-28.6	+	47	35.3	20	14.5
Warren	43	17.6	12.3-22.9		32	31.1	11	NSR
Southeast	**3,718**	**13.1**	**12.7-13.6**	**-**	**2,705**	**21.8**	**1,013**	**7.6**
Berks	426	18.4	16.6-20.1	+	303	29.9	123	11.7
Bucks	455	12.7	11.5-13.9	-	309	20.1	146	9.1
Chester	305	11.2	9.9-12.4	-	222	17.8	83	6.4
Delaware	376	11.8	10.6-13.0	-	270	20.1	106	7.3
Lancaster	349	11.4	10.2-12.5	-	243	18.9	106	7.9
Montgomery	479	10.2	9.3-11.1	-	339	17.3	140	6.7
Philadelphia	1,128	14.0	13.2-14.8	-	865	23.7	263	6.5
Schuylkill	200	24.3	20.9-27.7	+	154	41.1	46	12.7
South-Central	**1,489**	**15.8**	**15.0-16.6**		**1,083**	**26.1**	**406**	**9.5**
Adams	94	15.9	12.7-19.2		76	30.4	18	NSR
Bedford	91	35.5	28.2-42.8	+	68	55.4	23	18.6
Blair	125	16.1	13.3-19.0		87	28.2	38	11.7
Cumberland	175	13.2	11.3-15.2	-	124	21.0	51	8.4
Dauphin	186	13.1	11.2-15.0	-	144	22.0	42	6.0
Franklin	129	15.4	12.7-18.0		85	23.0	44	11.4
Fulton	19	NSR			15	NSR	4	NSR
Huntingdon	69	26.7	20.4-33.0	+	51	41.9	18	NSR
Juniata	24	17.5	10.5-24.5		20	32.5	4	NSR
Lebanon	107	13.3	10.8-15.9	-	83	25.1	24	7.0
Mifflin	51	18.5	13.4-23.6		32	27.9	19	NSR
Perry	47	20.6	14.7-26.5		25	21.8	22	19.3
York	372	15.3	13.8-16.9		273	25.2	99	8.9
Southwest	**3,369**	**20.9**	**20.2-21.7**	**+**	**2,363**	**35.9**	**1,006**	**14.5**
Allegheny	1,414	19.1	18.1-20.1	+	1,008	34.2	406	12.7
Armstrong	92	22.9	18.3-27.6	+	70	41.4	22	12.7
Beaver	207	20.1	17.4-22.8	+	151	36.7	56	12.7
Butler	209	19.4	16.8-22.1	+	143	31.4	66	14.1
Cambria	189	22.8	19.6-26.1	+	126	36.0	63	17.6
Fayette	206	27.5	23.8-31.3	+	154	46.2	52	15.1
Greene	56	26.9	19.8-33.9	+	33	33.4	23	24.9
Indiana	105	23.2	18.8-27.7	+	77	35.0	28	12.6
Somerset	119	26.5	21.7-31.3	+	78	39.2	41	22.0
Washington	268	21.5	18.9-24.1	+	172	33.9	96	18.0
Westmoreland	504	22.8	20.8-24.8	+	351	39.7	153	16.5
Pennsylvania	**11,685**	**16**	**15.9-16.4**		**8,440**	**27.1**	**3,245**	**9.9**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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

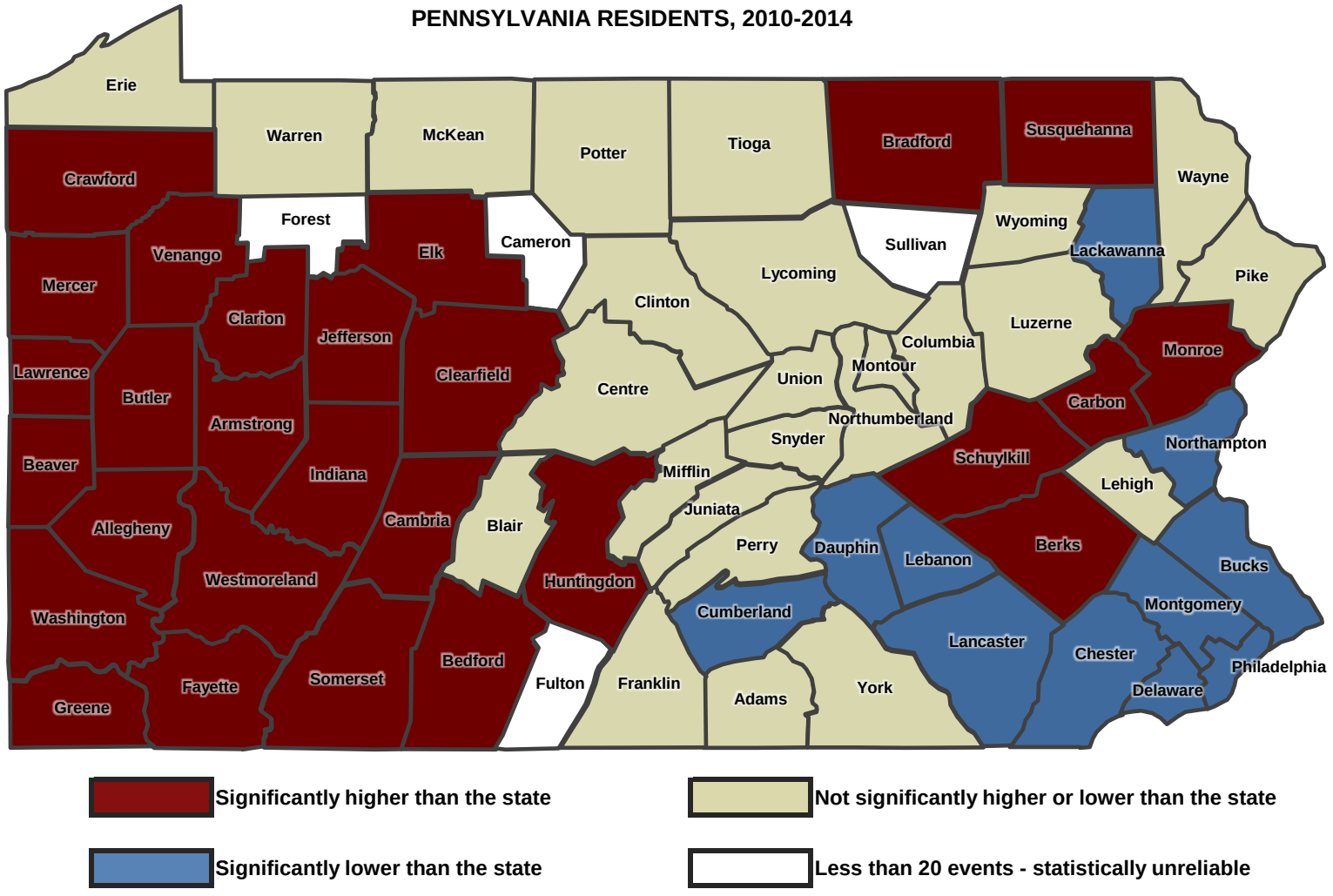
TOTAL NUMBER OF INJURY DEATHS AND ANNUAL DEATH RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**209**	**10.9**	**196**	**13.8**	**270**	**17.1**	**259**	**15.0**	**504**	**37.3**
Carbon	19	26.4	17	33.4	18	27.3	12	16.0	18	29.7
Lackawanna	32	12.9	19	9.5	35	17.5	43	18.9	47	24.2
Lehigh	38	8.3	33	9.9	49	13.9	43	12.0	143	52.7
Luzerne	34	9.4	52	18.0	54	17.2	47	13.7	92	31.2
Monroe	20	9.1	25	17.5	36	20.8	30	15.8	59	50.6
Northampton	27	7.4	21	7.8	40	13.4	42	13.2	109	44.2
Pike	9	NSR	8	NSR	9	NSR	14	20.8	6	NSR
Susquehanna	20	41.5	7	NSR	5	NSR	7	NSR	9	NSR
Wayne	5	NSR	7	NSR	19	36.7	14	21.9	19	36.6
Wyoming	5	NSR	7	NSR	5	NSR	7	NSR	2	NSR
North-Central	**126**	**15.2**	**99**	**12.8**	**153**	**24.2**	**134**	**18.9**	**141**	**24.4**
Bradford	16	20.9	11	22.5	13	22.2	22	31.2	15	25.9
Centre	12	6.7	12	4.6	18	14.5	20	16.0	47	50.9
Clinton	7	NSR	7	NSR	9	NSR	10	25.7	1	NSR
Columbia	11	13.7	11	15.5	15	25.2	11	16.0	13	23.3
Lycoming	25	18.1	18	15.9	26	24.2	18	14.4	22	22.3
Montour	5	NSR	6	NSR	12	72.2	0	NSR	0	NSR
Northumberland	20	19.1	10	12.2	23	25.3	17	16.3	20	22.3
Potter	4	NSR	4	NSR	10	64.2	4	NSR	0	NSR
Snyder	9	NSR	4	NSR	11	29.5	7	NSR	9	NSR
Sullivan	4	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Tioga	5	NSR	9	NSR	9	NSR	12	25.9	14	35.3
Union	8	NSR	5	NSR	7	NSR	13	31.1	0	NSR
Northwest	**212**	**19.2**	**190**	**23.1**	**214**	**24.8**	**179**	**17.7**	**223**	**27.6**
Cameron	4	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Clarion	14	29.9	14	33.4	8	NSR	12	29.4	10	29.6
Clearfield	15	17.2	21	29.5	25	29.2	19	21.3	26	35.2
Crawford	23	20.9	17	23.0	25	30.7	15	15.4	19	24.8
Elk	12	34.1	8	NSR	7	NSR	12	32.0	15	48.4
Erie	32	8.9	43	15.3	50	19.5	37	12.7	56	26.5
Forest	5	NSR	4	NSR	4	NSR	0	NSR	0	NSR
Jefferson	18	33.7	8	NSR	16	38.2	11	22.0	12	28.4
Lawrence	17	16.2	27	37.2	24	29.1	20	19.5	32	36.9
McKean	12	23.6	8	NSR	10	23.6	9	NSR	3	NSR
Mercer	39	28.0	19	19.7	24	22.6	16	12.7	28	25.3
Venango	15	23.9	11	26.2	13	26.3	13	19.6	15	29.3
Warren	6	NSR	7	NSR	8	NSR	15	30.2	7	17.3
Southeast	**298**	**4.5**	**663**	**12.7**	**608**	**12.1**	**675**	**13.2**	**1,474**	**39.9**
Berks	57	10.4	56	14.8	82	20.1	76	18.2	155	49.6
Bucks	16	2.1	75	14.7	52	8.0	87	12.1	225	46.0
Chester	36	5.3	35	8.0	55	10.4	59	11.0	120	34.6
Delaware	39	5.3	49	9.0	75	13.9	59	10.2	154	37.5
Lancaster	21	2.9	41	8.2	39	8.0	71	13.8	177	42.9
Montgomery	16	1.6	68	9.5	76	9.1	86	10.1	233	36.7
Philadelphia	84	4.2	306	15.1	183	12.9	205	15.3	350	36.9
Schuylkill	29	18.1	33	26.3	46	30.4	32	19.8	60	43.8
South-Central	**230**	**11.0**	**231**	**15.2**	**297**	**17.8**	**248**	**13.9**	**483**	**35.1**
Adams	15	12.1	22	25.6	21	20.9	14	12.7	22	25.5
Bedford	23	40.2	18	48.3	19	39.3	11	19.8	20	41.1
Blair	21	14.0	12	10.8	29	24.6	21	15.2	42	35.9
Cumberland	35	12.3	28	12.0	28	11.9	30	12.0	54	27.7
Dauphin	29	8.6	29	11.0	35	13.3	32	11.0	61	31.3
Franklin	14	7.2	20	15.4	19	12.8	23	15.2	53	40.4
Fulton	8	NSR	7	NSR	4	NSR	0	NSR	0	NSR
Huntingdon	7	NSR	15	34.8	10	21.7	17	35.0	20	50.2
Juniata	6	NSR	5	NSR	6	NSR	5	NSR	2	NSR
Lebanon	18	10.5	13	11.1	27	21.0	18	12.9	31	26.0
Mifflin	6	NSR	7	NSR	13	29.3	8	NSR	17	37.5
Perry	13	22.8	12	31.4	10	21.2	5	NSR	7	NSR
York	35	6.3	43	11.1	76	16.7	64	13.8	154	47.0
Southwest	**291**	**9.6**	**522**	**20.7**	**501**	**19.7**	**622**	**20.5**	**1,433**	**59.6**
Allegheny	89	6.5	234	18.2	178	15.8	251	18.8	662	63.5
Armstrong	21	27.8	7	NSR	24	36.1	13	16.1	27	41.1
Beaver	20	10.5	26	18.4	36	22.7	40	20.1	85	52.5
Butler	16	7.0	29	18.9	30	15.9	40	19.4	94	63.4
Cambria	15	9.5	34	28.2	26	20.1	28	17.3	86	62.7
Fayette	21	14.2	39	34.2	36	27.1	32	20.5	78	61.9
Greene	16	37.2	12	33.1	9	NSR	11	26.0	8	NSR
Indiana	13	12.1	20	20.2	21	28.9	17	18.7	34	47.2
Somerset	26	32.5	21	32.7	21	27.5	21	23.5	30	40.1
Washington	26	10.9	29	16.9	52	25.8	57	23.6	104	55.1
Westmoreland	28	7.1	71	25.3	68	19.4	112	25.8	225	63.1
Pennsylvania	**1,366**	**8.8**	**1,901**	**15.5**	**2,043**	**16.6**	**2,117**	**15.8**	**4,258**	**41.7**

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

INJURY DEATHS: TRAUMATIC BRAIN INJURY

AGE-ADJUSTED DEATH RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



Significantly higher than the state

Not significantly higher or lower than the state

Significantly lower than the state

Less than 20 events - statistically unreliable

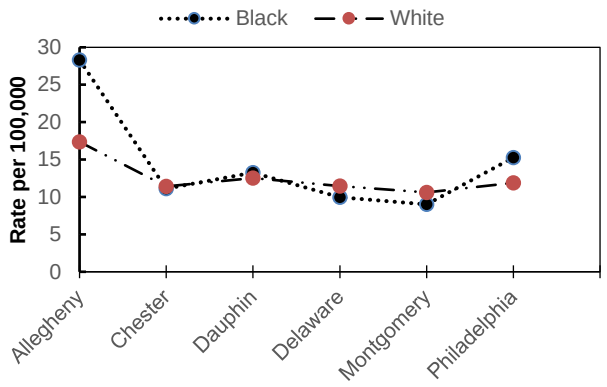
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY DEATHS: TRAUMATIC BRAIN INJURY

NUMBER AND AGE-ADJUSTED DEATH RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	231	28.3	24.7-32.0
Chester	16	11.1	5.7-16.5
Dauphin	33	13.2	8.7-17.8
Delaware	56	9.9	7.3-12.5
Montgomery	32	9.0	5.9-12.1
Philadelphia	519	15.2	13.916.6
Pennsylvania	1,070	15.0	14.1-15.9



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	1,148	17.4	16.4-18.4
Chester	282	11.4	10.1-12.7
Dauphin	143	12.5	10.5-14.6
Delaware	298	11.5	10.2-12.8
Montgomery	430	10.6	9.6-11.6
Philadelphia	468	11.9	10.8-13.0
Pennsylvania	10,144	16.0	15.7-16.3

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL DEATH RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	187	44	**231**	16.4%	44	17.4	86	48.0	42	29.1	26	17.3	33	35.4
	White	81.4%	792	356	**1,148**	81.5%	44	4.5	133	13.2	134	14.6	219	19.0	618	66.3
Chester	Black	6.3%	12	4	**16**	5.3%	2	NSR	4	NSR	3	NSR	2	NSR	5	NSR
	White	86.9%	203	79	**282**	92.8%	11	1.9	39	10.7	33	7.2	67	13.7	132	41.1
Dauphin	Black	18.5%	25	8	**33**	17.7%	6	NSR	12	23.3	7	NSR	5	NSR	3	NSR
	White	74.2%	112	31	**143**	76.9%	3	NSR	18	9.6	27	13.8	32	13.6	63	37.7
Delaware	Black	20.5%	47	9	**56**	14.9%	9	NSR	21	16.0	10	8.8	9	NSR	7	NSR
	White	72.1%	203	95	**298**	79.5%	5	NSR	31	8.4	40	10.5	67	14.6	155	44.2
Montgomery	Black	9.1%	27	5	**32**	6.7%	5	NSR	6	NSR	7	NSR	6	NSR	8	NSR
	White	81.6%	298	132	**430**	90.1%	10	1.3	56	10.0	65	9.7	78	10.6	221	38.9
Philadelphia	Black	44.1%	414	105	**519**	46.6%	56	5.5	196	25.7	82	12.8	78	12.8	107	28.1
	White	44.7%	337	131	**468**	42.0%	11	1.6	59	5.9	74	11.9	103	16.7	221	43.2
Pennsylvania	Black	11.3%	850	220	**1,070**	9.2%	159	7.1	384	23.3	183	13.1	159	12.9	185	26.2
	White	83.1%	7,211	2,933	**10,144**	87.2%	485	4.0	1,478	15.2	1,499	14.7	2,055	17.5	4,627	49.8

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Injury Hospitalizations
2010-2014

INJURY HOSPITALIZATIONS: ALL INJURIES

In 2014, among Pennsylvania residents, there were 129,368 hospitalizations due to injury. On average, one resident was hospitalized every four minutes.

Injury Definition

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

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

Most injury hospitalizations in Pa. are unintentional.

HIGHLIGHTS

- Age-adjusted rates steadily **decreased** from 2010 to 2014.
- Most affected demographic is **white females**, 85 and older.
- Of all Pennsylvania counties, **Philadelphia** had the highest rate.

Trends Over Time

- Age-adjusted injury hospitalization rates decreased by 12 percent from 975.1 hospitalizations per 100,000 population in 2010 to 857.0 hospitalizations per 100,000 population in 2014.
- Males had significantly higher age-adjusted injury hospitalization rates than females for ages under 70 from 2010 to 2014, while females had higher rates for ages 70 and older.
- Urban populations had significantly higher age-adjusted injury hospitalization rates than rural populations for ages 35 and older, while rural populations had significantly higher rates for ages 10-19 and 25-29 during the 2010 to 2014 period.

Demographic Trends

- Among males, blacks had significantly higher age-adjusted 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 age-adjusted injury hospitalization rates for ages less than 65, while whites had significantly higher rates for ages 70 and older.

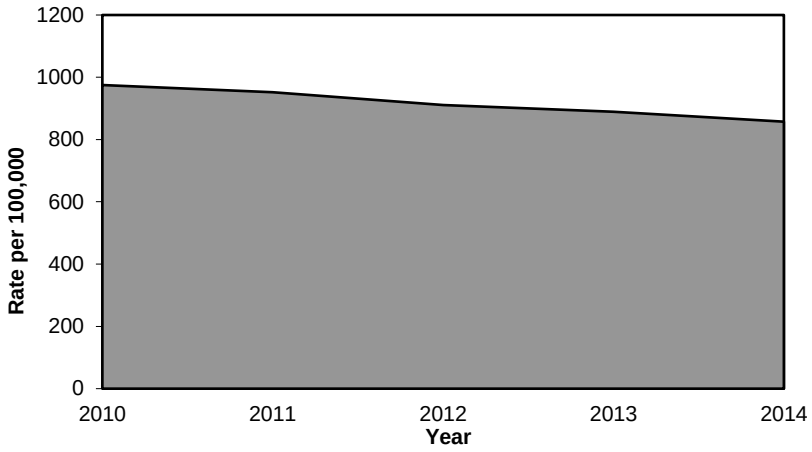
Regional Trends

- The Southeast Health District had the highest age-adjusted injury hospitalization rate, while the South-Central Health District had the lowest age-adjusted injury hospitalization rate.
- Twenty-one counties had age-adjusted injury hospitalization rates for the 2010 to 2014 period that were significantly higher than the state rate. These counties appeared in all health districts, except the South-Central that had the lowest rate. The majority of these counties were rural.

INJURY HOSPITALIZATIONS: ALL INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, 2010-2014

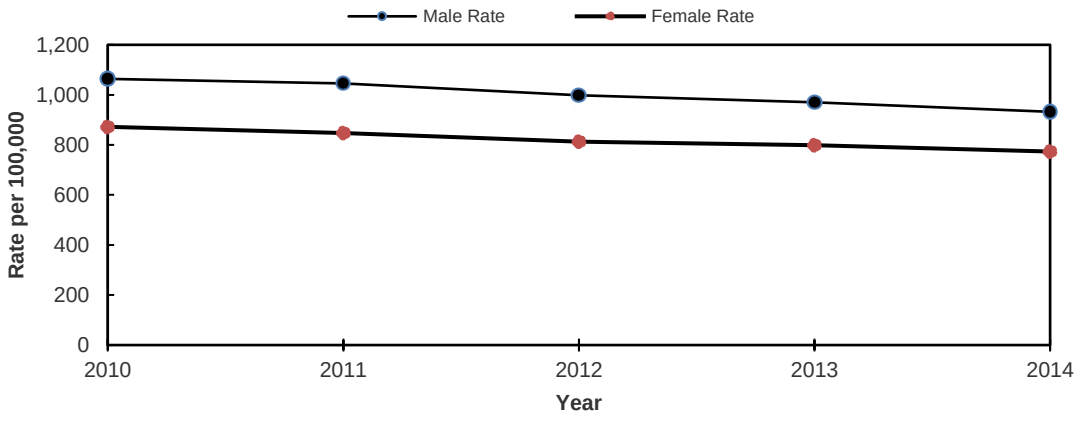
Year	No.	Rate
2010	142,074	975.1
2011	139,900	952.2
2012	134,469	910.7
2013	132,614	889.3
2014	129,368	857.0



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

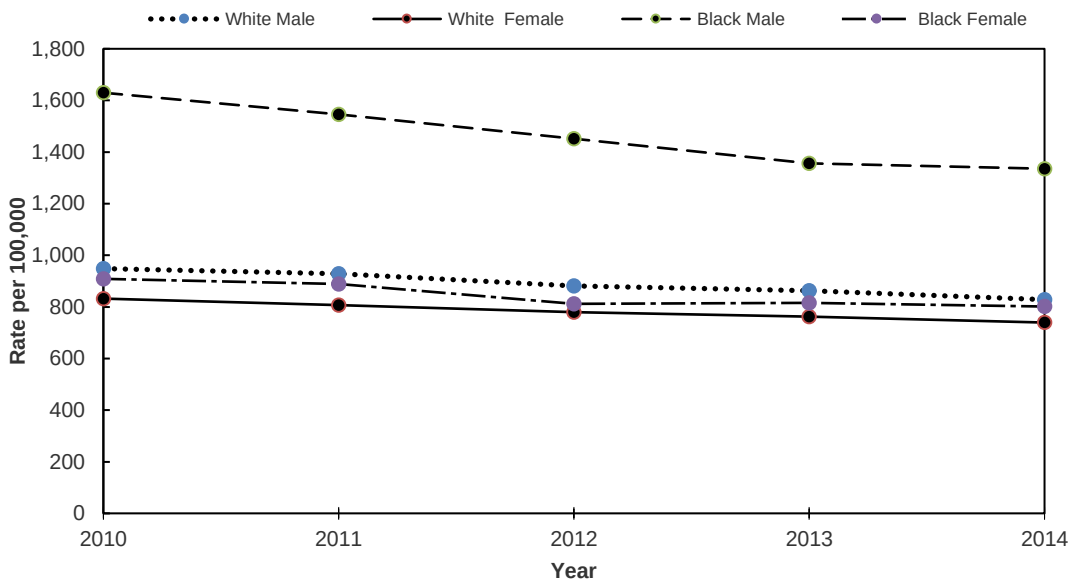
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	68,222	1,063.8	2010	73,811	872.2
2011	67,894	1,046.0	2011	71,936	847.7
2012	65,186	997.8	2012	69,177	813.4
2013	64,170	970.4	2013	68,310	799.3
2014	62,457	932.3	2014	66,771	773.5



INJURY HOSPITALIZATIONS: ALL INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND HOSPITALIZATION RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates				
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	52,414	62,624	9,897	6,504	2010	948.4	832.1	1,629.8	908.7
2011	52,972	61,681	9,816	6,597	2011	928.5	807.3	1,545.3	888.6
2012	50,535	59,481	9,366	6,106	2012	881.3	779.4	1,452.1	811.3
2013	50,125	58,504	8,880	6,223	2013	862.4	762.5	1,356.3	815.6
2014	48,796	57,039	8,744	6,209	2014	828.2	739.4	1,335.4	801.5



AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	1,105.7	959.5	877.9	859.4
2011	1,083.9	952.6	858.3	822.7
2012	1,039.3	894.4	823.9	787.2
2013	1,010.3	870.9	811.4	769.5
2014	972.4	833.1	786.7	740.7

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 INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**678,506**	**1,064.0**	**327,971**	**1,053.5**	**350,044**	**1,072.5**		**501,450**	**1,078.6**	**177,056**	**1,024.6**	
< 5	7,134	197.9	4,208	228.4	2,910	165.2	*	5,705	209.8	1,429	161.4	*
5-9	5,625	150.5	3,374	176.8	2,240	122.5	*	4,449	160.0	1,176	123.0	*
10-14	8,192	210.4	5,160	259.1	3,022	158.8	*	5,950	207.1	2,242	219.5	*
15-19	21,009	484.0	12,992	586.3	7,973	375.2	*	15,023	476.3	5,986	504.4	*
20-24	30,135	685.6	19,702	884.5	10,375	478.5	*	22,650	713.3	7,485	613.3	*
25-29	27,408	674.2	17,153	835.2	10,224	508.3	*	20,889	668.9	6,519	691.9	*
30-34	25,424	665.3	15,879	828.8	9,517	499.4	*	19,095	660.9	6,329	679.0	
35-39	23,963	655.9	14,506	796.9	9,440	514.9	*	17,877	663.0	6,086	635.7	*
40-44	29,740	720.1	17,777	866.8	11,935	574.0	*	22,329	740.6	7,411	664.5	*
45-49	37,989	840.6	22,709	1018.5	15,246	665.8	*	28,668	872.4	9,321	755.8	*
50-54	44,163	908.2	25,764	1,078.7	18,375	742.7	*	33,328	946.8	10,835	807.2	*
55-59	44,645	971.2	25,105	1,116.9	19,508	830.5	*	33,590	1,019.6	11,055	849.0	*
60-64	42,560	1,080.4	22,411	1,178.9	20,127	987.5	*	31,436	1,125.6	11,124	970.3	*
65-69	40,882	1,348.1	19,788	1,385.4	21,061	1,312.8	*	29,506	1,391.6	11,376	1,246.9	*
70-74	42,727	1,879.7	18,962	1,838.2	23,748	1,912.9	*	30,522	1,941.5	12,205	1,741.2	*
75-79	51,452	2,865.0	20,443	2,650.7	30,985	3,023.9	*	36,941	2,947.9	14,511	2,673.5	*
80-84	68,023	4,524.7	24,487	4,129.5	43,510	4,779.3	*	49,475	4,638.2	18,548	4,247.5	*
85 +	127,435	7,941.4	37,551	7,308.3	89,848	8,236.3	*	94,017	8,117.7	33,418	7,484.2	*

* 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: ALL INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES
PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**254,873**	**983.4**	**46,712**	**1,347.0**		**299,360**	**1,106.9**	**31,646**	**840.4**	
< 5	2,099	152.3	1,043	377.5	*	1,421	108.4	732	273.3	*
5-9	1,868	127.4	776	288.7	*	1,275	91.5	471	179.8	*
10-14	3,368	215.9	982	352.0	*	2,029	137.0	495	185.8	*
15-19	8,579	493.4	2,798	867.5	*	5,730	343.9	1,226	402.2	*
20-24	12,859	737.5	4,335	1,324.4	*	7,365	435.5	1,804	560.7	*
25-29	11,453	694.4	3,517	1,363.6	*	7,522	472.6	1,693	636.6	*
30-34	10,734	693.1	3,104	1,343.3	*	6,913	456.9	1,608	654.1	*
35-39	9,805	660.1	2,893	1,371.7	*	7,084	480.9	1,521	667.6	*
40-44	12,444	727.1	3,491	1,546.1	*	8,943	521.9	1,942	792.1	*
45-49	16,382	861.8	4,405	1,900.9	*	11,707	606.5	2,486	976.2	*
50-54	19,013	915.0	4,868	2,146.1	*	14,612	687.4	2,775	1,080.9	*
55-59	19,390	977.1	4,173	2,151.2	*	15,895	777.1	2,619	1,158.6	*
60-64	17,969	1,056.7	3,067	2,097.8	*	17,016	949.5	2,117	1,152.9	*
65-69	16,651	1,288.2	2,009	2,048.2	*	18,349	1,285.1	1,726	1,299.2	
70-74	16,425	1,751.7	1,584	2,338.2	*	21,018	1,890.3	1,628	1,631.6	*
75-79	18,244	2,579.7	1,297	2,731.7	*	28,058	3,031.1	1,760	2,228.0	*
80-84	22,465	4,063.8	1,098	3,526.1	*	40,243	4,813.8	1,852	3,022.0	*
85 +	35,125	7,280.1	1,272	5,076.6	*	84,180	8,287.3	3,191	4,973.9	*

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

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

INJURY HOSPITALIZATIONS: ALL INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY SEX, AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**87,806**	**923.0**	**916.9-929.2**		**40,501**	**1,031.0**	**46,999**	**1,153.3**
Carbon	4,673	1,209.6	1,174.9-1,244.3	+	2,201	1,372.0	2,466	1,501.7
Lackawanna	12,067	900.3	884.2-916.4		5,191	1,006.4	6,766	1,221.5
Lehigh	19,165	948.8	935.4-962.3	+	9,033	1,049.5	10,131	1,113.5
Luzerne	16,657	817.0	804.6-829.4	-	7,192	915.2	9,367	1,148.4
Monroe	7,845	902.4	882.4-922.3		3,898	938.2	3,936	922.9
Northampton	20,103	1,115.0	1,099.6-1,130.4	+	9,442	1,289.1	10,659	1,396.1
Pike	1,429	451.5	428.1-474.9	-	718	505.5	693	488.5
Susquehanna	1,707	677.1	645.0-709.2	-	810	753.8	884	834.0
Wayne	2,611	850.5	817.9-883.2	-	1,283	934.2	1,300	1,053.6
Wyoming	1,549	952.7	905.3-1,000.2		733	1,037.5	797	1,133.9
North-Central	**30,624**	**749.9**	**741.5-758.3**	**-**	**14,487**	**818.3**	**16,026**	**913.2**
Bradford	3,605	1,019.7	986.4-1,053.0	+	1,737	1,125.1	1,860	1,176.8
Centre	5,356	708.7	689.7-727.7	-	2,426	599.4	2,918	781.8
Clinton	1,558	672.9	639.5-706.4	-	737	761.0	813	806.4
Columbia	3,389	882.3	852.6-912.0	-	1,541	955.1	1,833	1,052.0
Lycoming	5,409	763.7	743.4-784.1	-	2,531	883.6	2,855	961.8
Montour	973	883.8	828.2-939.3		423	958.1	549	1,144.9
Northumberland	4,843	845.0	821.2-868.7	-	2,355	997.9	2,471	1,049.1
Potter	655	607.6	561.0-654.1	-	298	682.3	354	813.5
Snyder	1,321	582.1	550.7-613.5	-	646	656.8	670	663.2
Sullivan	456	1,027.2	933.0-1,121.5	+	224	1,349.9	230	1,487.3
Tioga	1,525	623.7	592.4-655.0	-	756	724.8	764	711.3
Union	1,534	587.9	558.5-617.3	-	813	657.8	709	702.7
Northwest	**50,419**	**915.4**	**907.4-923.4**		**23,871**	**1,044.1**	**26,546**	**1,141.9**
Cameron	392	1,192.7	1,074.6-1,310.8	+	187	1,535.7	205	1,633.7
Clarion	2,121	927.5	888.0-967.0		1,051	1,093.0	1,070	1,054.5
Clearfield	4,106	837.0	811.4-862.6	-	1,971	934.8	2,133	1,089.5
Crawford	4,524	898.8	872.6-925.0		2,160	1,005.2	2,364	1,051.7
Elk	2,066	1,052.2	1,006.8-1,097.6	+	979	1,242.2	1,087	1,374.1
Erie	13,210	847.9	833.4-862.4	-	6,395	927.0	6,815	958.4
Forest	438	925.6	838.9-1,012.3		235	919.7	203	1,615.2
Jefferson	2,643	965.1	928.3-1,001.9	+	1,306	1,173.8	1,337	1,180.2
Lawrence	5,843	1,007.5	981.7-1,033.3	+	2,679	1,235.8	3,164	1,358.9
McKean	1,856	715.7	683.1-748.2	-	838	762.1	1,018	966.0
Mercer	7,836	1,061.3	1,037.8-1,084.8	+	3,472	1,223.1	4,364	1,480.8
Venango	3,238	981.7	947.9-1,015.5	+	1,585	1,190.2	1,653	1,196.0
Warren	2,146	851.5	815.5-887.5	-	1,013	983.8	1,133	1,099.8
Southeast	**280,792**	**989.7**	**986.0-993.3**	**+**	**142,031**	**1,144.4**	**138,712**	**1,046.4**
Berks	21,827	930.6	918.3-943.0	+	10,676	1,052.7	11,146	1,060.8
Bucks	32,202	894.8	885.0-904.6	-	15,336	998.2	16,865	1,056.4
Chester	20,068	732.3	722.1-742.4	-	9,224	741.2	10,844	842.5
Delaware	36,230	1,131.7	1,120.1-1,143.4	+	17,713	1,316.7	18,517	1,268.9
Lancaster	21,064	697.8	688.4-707.3	-	10,096	784.5	10,964	814.7
Montgomery	39,105	807.7	799.7-815.7	-	18,220	928.7	20,879	1,003.9
Philadelphia	100,756	1,286.2	1,278.2-1,294.1	+	56,339	1,544.5	44,415	1,089.7
Schuylkill	9,540	1,080.1	1,058.4-1,101.7	+	4,427	1,182.8	5,082	1,406.6
South-Central	**68,611**	**704.1**	**698.9-709.4**	**-**	**32,274**	**776.8**	**36,318**	**846.8**
Adams	3,759	628.7	608.6-648.8	-	1,836	734.8	1,923	746.2
Bedford	1,898	639.6	610.8-668.3	-	899	731.9	999	805.7
Blair	6,899	884.7	863.8-905.6	-	3,110	1,009.0	3,789	1,164.6
Cumberland	9,882	685.7	672.2-699.2	-	4,413	749.0	5,469	900.0
Dauphin	10,074	683.0	669.6-696.3	-	4,902	750.6	5,169	742.7
Franklin	6,051	665.4	648.7-682.2	-	2,668	720.5	3,383	875.6
Fulton	649	789.8	729.0-850.5	-	317	854.5	332	906.6
Huntingdon	1,992	753.3	720.3-786.4	-	966	794.4	1,023	951.0
Juniata	1,013	681.4	639.5-723.4	-	498	808.4	512	827.1
Lebanon	4,964	606.0	589.1-622.9	-	2,324	704.0	2,640	765.6
Mifflin	2,433	859.0	824.9-893.2	-	1,101	960.9	1,325	1,114.3
Perry	1,998	823.3	787.2-859.4	-	1,043	908.3	955	837.1
York	16,999	707.5	696.9-718.1	-	8,197	758.0	8,799	794.2
Southwest	**160,254**	**956.2**	**951.5-960.8**	**+**	**74,807**	**1,136.8**	**85,443**	**1,231.5**
Allegheny	75,285	987.9	980.8-994.9	+	34,986	1,185.8	40,298	1,262.4
Armstrong	4,277	1,016.3	985.9-1,046.8	+	2,121	1,254.3	2,156	1,248.3
Beaver	8,948	855.8	838.1-873.5	-	4,126	1,002.8	4,822	1,097.7
Butler	9,124	837.0	819.8-854.1	-	4,351	954.1	4,772	1,017.3
Cambria	9,485	1,051.1	1,029.9-1,072.2	+	4,412	1,260.9	5,073	1,419.7
Fayette	7,549	936.5	915.4-957.7		3,701	1,111.2	3,847	1,117.0
Greene	1,362	622.6	589.5-655.6	-	643	651.1	719	778.8
Indiana	5,209	1,027.1	999.2-1,055.0	+	2,477	1,125.7	2,732	1,231.7
Somerset	4,289	870.1	844.1-896.2	-	2,067	1,039.8	2,221	1,193.8
Washington	11,882	939.0	922.1-955.8	+	5,503	1,084.0	6,379	1,195.6
Westmoreland	22,844	999.4	986.5-1,012.4	+	10,420	1,177.2	12,424	1,336.4
Pennsylvania	**678,506**	**917**	**914.7-919.0**		**327,971**	**1,053.5**	**350,044**	**1,072.5**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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

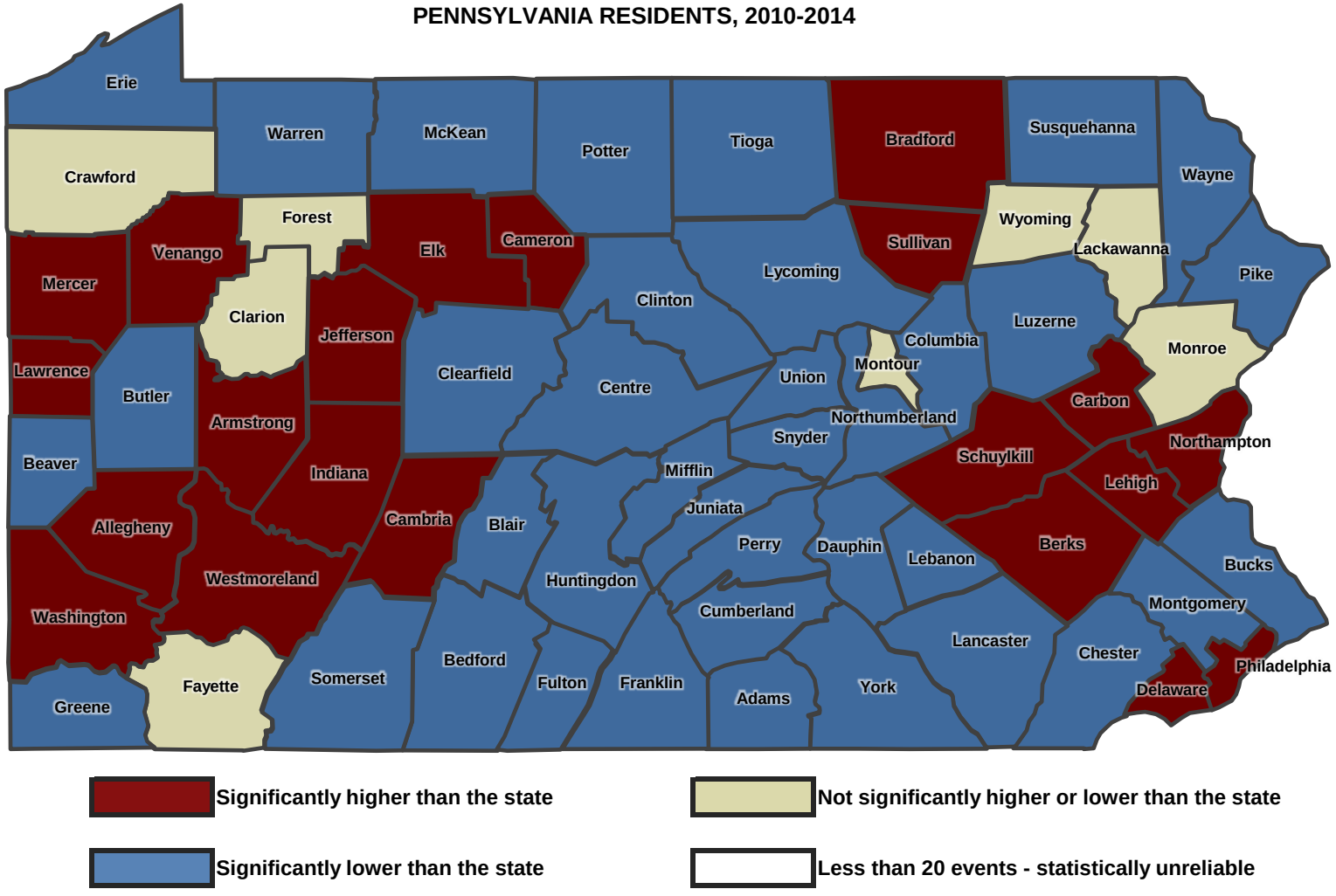
TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND ANNUAL HOSPITALIZATION RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**5,264**	**273.3**	**10,013**	**706.4**	**11,353**	**718.1**	**15,914**	**921.6**	**45,262**	**3,346.5**
Carbon	274	380.4	503	989.6	702	1,063.2	857	1,140.7	2,337	3,854.3
Lackawanna	591	238.4	1,242	619.7	1,497	749.8	2,250	988.9	6,487	3,339.2
Lehigh	1,382	302.5	2,505	754.5	2,506	709.2	3,443	964.3	9,329	3,438.3
Luzerne	812	224.4	1,658	572.9	1,979	630.7	2,851	833.8	9,357	3,177.0
Monroe	597	272.5	1,069	749.4	1,216	701.1	1,614	849.1	3,349	2,869.8
Northampton	1,155	316.2	2,202	822.8	2,493	837.3	3,487	1,093.5	10,766	4,368.1
Pike	100	146.8	179	463.2	216	371.0	341	507.8	593	1,145.5
Susquehanna	109	226.3	182	566.3	198	494.3	295	560.7	923	2,280.0
Wayne	164	308.3	302	756.1	363	701.1	482	753.5	1,300	2,507.0
Wyoming	80	240.2	171	719.0	183	679.8	294	906.4	821	3,352.4
North-Central	**2,012**	**242.5**	**3,869**	**499.7**	**3,678**	**580.7**	**5,593**	**787.2**	**15,472**	**2,678.8**
Bradford	259	337.9	573	1,172.5	460	785.6	657	932.8	1,656	2,858.4
Centre	322	180.9	712	275.1	645	519.4	918	736.5	2,759	2,986.2
Clinton	125	249.8	163	389.3	153	451.0	306	786.4	811	2,463.4
Columbia	217	270.5	413	581.5	453	759.9	678	984.3	1,628	2,915.6
Lycoming	302	218.2	577	509.4	600	557.6	1,011	806.6	2,919	2,957.4
Montour	71	335.4	154	972.5	117	703.6	189	906.5	442	2,508.5
Northumberland	329	314.2	581	710.2	633	697.3	891	853.2	2,409	2,682.8
Potter	38	182.9	76	593.1	66	424.0	110	546.3	365	2,039.7
Snyder	88	168.5	176	469.5	153	410.6	221	547.6	683	2,132.0
Sullivan	17	292.6	46	1,011.4	30	583.0	100	1,195.2	263	3,212.0
Tioga	131	258.8	210	555.7	182	487.8	298	643.1	704	1,775.6
Union	113	221.0	188	375.1	186	397.3	214	511.8	833	2,407.5
Northwest	**3,058**	**276.3**	**5,907**	**719.5**	**6,588**	**764.0**	**9,641**	**952.0**	**25,225**	**3,121.0**
Cameron	18	357.9	37	1,116.5	47	1,067.0	74	1,147.6	216	3,906.7
Clarion	125	267.3	239	570.2	243	707.5	418	1,025.6	1,096	3,239.2
Clearfield	274	314.5	460	646.5	600	701.8	804	902.5	1,968	2,666.8
Crawford	330	299.8	561	757.4	584	717.1	892	914.8	2,157	2,817.1
Elk	125	355.3	241	1,087.3	244	761.5	358	953.2	1,098	3,544.7
Erie	908	251.8	1,921	682.8	2,021	789.2	2,538	869.8	5,822	2,757.9
Forest	15	314.9	48	488.2	46	599.2	101	1,222.2	228	3,006.3
Jefferson	180	337.5	291	784.5	325	775.9	460	919.3	1,387	3,287.7
Lawrence	288	273.7	559	771.0	670	812.0	1,091	1,062.8	3,235	3,729.9
McKean	113	221.9	211	555.2	230	543.1	313	675.1	989	2,623.9
Mercer	360	258.6	773	801.8	935	881.6	1,480	1,171.4	4,288	3,878.9
Venango	188	300.0	328	781.8	390	789.3	654	988.0	1,678	3,281.3
Warren	134	292.3	238	762.6	253	654.5	458	920.8	1,063	2,622.0
Southeast	**19,522**	**295.8**	**37,307**	**712.6**	**40,753**	**812.4**	**56,662**	**1,106.1**	**126,548**	**3,427.1**
Berks	1,360	248.5	2,510	662.7	2,836	694.2	4,050	969.6	11,071	3,540.9
Bucks	1,995	260.2	3,462	680.7	4,107	633.9	6,282	871.8	16,356	3,345.2
Chester	971	141.6	2,101	482.9	2,446	461.3	3,803	711.9	10,747	3,101.1
Delaware	2,300	312.7	4,546	834.4	4,604	856.1	7,190	1,248.6	17,590	4,283.9
Lancaster	1,446	201.2	2,487	500.0	2,625	537.7	3,686	714.5	10,820	2,621.7
Montgomery	2,307	230.1	3,814	531.0	4,309	517.6	7,124	835.4	21,551	3,390.7
Philadelphia	8,438	425.2	17,144	845.9	18,469	1,300.6	22,828	1,698.8	33,877	3,571.6
Schuylkill	705	440.9	1,243	989.9	1,357	896.4	1,699	1,050.5	4,536	3,311.1
South-Central	**4,083**	**195.2**	**8,035**	**530.2**	**8,925**	**533.9**	**12,746**	**712.1**	**34,822**	**2,532.8**
Adams	222	178.5	410	476.5	416	413.1	662	599.8	2,049	2,379.2
Bedford	136	237.9	192	515.5	258	534.1	362	652.9	950	1,952.1
Blair	391	261.6	760	681.2	875	743.7	1,354	981.3	3,519	3,010.4
Cumberland	467	164.2	955	408.2	1,097	467.8	1,679	674.2	5,684	2,916.0
Dauphin	652	192.4	1,380	525.6	1,523	580.3	2,116	729.5	4,403	2,255.8
Franklin	346	177.2	563	433.1	670	451.1	1,057	696.7	3,415	2,602.6
Fulton	41	228.7	76	660.4	92	610.5	92	589.3	348	2,559.0
Huntingdon	126	245.1	255	591.2	262	567.9	360	740.1	989	2,480.6
Juniata	52	166.3	108	532.4	110	462.7	155	604.1	588	2,612.8
Lebanon	326	190.5	523	447.8	573	445.0	824	592.0	2,718	2,281.7
Mifflin	131	225.9	274	738.1	297	669.1	439	902.9	1,292	2,849.1
Perry	164	287.6	268	701.3	279	592.7	431	816.6	856	2,530.7
York	1,029	185.2	2,271	586.7	2,473	544.5	3,215	691.8	8,011	2,445.6
Southwest	**8,021**	**265.5**	**17,836**	**708.1**	**20,395**	**803.4**	**30,812**	**1,014.8**	**83,190**	**3,460.7**
Allegheny	3,449	253.8	8,227	640.5	9,149	814.3	15,128	1,134.2	39,332	3,775.1
Armstrong	247	327.2	469	881.3	569	855.6	774	956.7	2,218	3,375.9
Beaver	511	268.7	1,084	765.3	1,201	758.6	1,668	839.5	4,484	2,769.4
Butler	540	236.5	944	615.6	1,153	611.2	1,617	782.7	4,870	3,286.7
Cambria	544	344.4	1,012	840.7	1,115	860.3	1,713	1,056.6	5,101	3,719.3
Fayette	449	302.7	1,010	885.3	1,192	897.3	1,512	968.1	3,386	2,686.7
Greene	62	144.0	189	521.1	215	556.5	270	637.9	626	2,033.1
Indiana	297	276.7	544	549.0	641	881.6	926	1,020.8	2,801	3,889.6
Somerset	248	309.9	449	699.9	487	636.8	741	829.1	2,364	3,158.8
Washington	646	271.4	1,306	760.9	1,707	847.2	2,271	941.5	5,952	3,151.2
Westmoreland	1,028	261.3	2,602	926.7	2,966	847.8	4,192	965.4	12,056	3,381.9
Pennsylvania	**41,960**	**269.4**	**82,967**	**675.5**	**91,692**	**745.3**	**131,368**	**980.5**	**330,519**	**3,237.3**

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

INJURY HOSPITALIZATIONS: ALL INJURIES

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



Significantly higher than the state

Not significantly higher or lower than the state

Significantly lower than the state

Less than 20 events - statistically unreliable

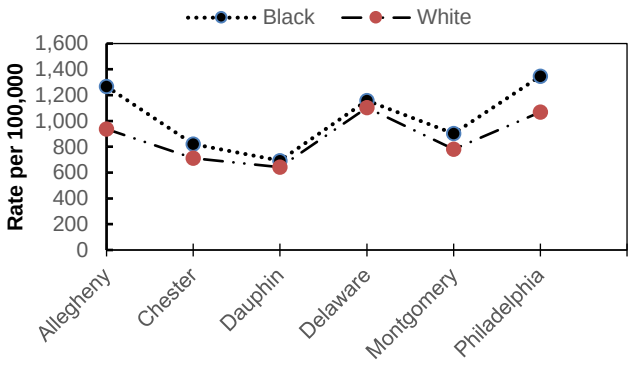
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL INJURIES

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	10,255	1,265.8	1,241.3-1,290.3
Chester	1,232	820.6	774.8-866.5
Dauphin	1,618	692.6	658.9-726.4
Delaware	5,998	1,157.2	1,127.9-1,186.5
Montgomery	3,243	901.5	870.4-932.5
Philadelphia	45,091	1,346.8	1,334.3-1,359.2
Pennsylvania	78,378	1,135.6	1,127.7-1,143.6



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	62,961	936.5	929.2-943.8
Chester	17,732	710.6	700.2-721.1
Dauphin	7,767	641.9	627.7-656.2
Delaware	28,531	1,103.0	1,090.3-1,115.8
Montgomery	33,167	781.6	773.2-790.0
Philadelphia	42,183	1,069.2	1,059.0-1,079.4
Pennsylvania	554,669	843.2	841.0-845.4

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	5,924	4,330	**10,254**	13.6%	1,277	506.4	2,162	1,207.6	1,879	1,303.9	2,534	1,687.8	2,403	2,576.4
	White	81.4%	27,889	35,072	**62,961**	83.6%	2,016	204.1	5,616	556.8	6,960	756.2	12,233	1,061.0	36,136	3,877.1
Chester	Black	6.3%	682	550	**1,232**	6.1%	92	186.3	220	602.7	236	789.8	269	950.7	415	2,513.8
	White	86.9%	7,913	9,819	**17,732**	88.4%	728	128.0	1,658	455.5	1,991	435.1	3,337	684.4	10,018	3,115.8
Dauphin	Black	18.5%	936	682	**1,618**	16.1%	195	235.1	353	684.4	386	809.4	385	865.6	299	1,284.6
	White	74.2%	3,541	4,223	**7,764**	77.1%	362	168.3	832	443.5	970	494.7	1,635	697.0	3,968	2,374.7
Delaware	Black	20.5%	3,478	2,520	**5,998**	16.6%	828	424.7	1,333	1,013.9	1,159	1,018.1	1,362	1,514.7	1,316	2,895.0
	White	72.1%	13,251	15,280	**28,531**	78.7%	1,179	252.7	2,921	794.5	3,132	824.3	5,529	1,208.9	15,770	4,492.3
Montgomery	Black	9.1%	1,849	1,394	**3,243**	8.3%	286	268.1	597	791.1	547	690.4	801	1,206.8	1,012	2,526.1
	White	81.6%	14,922	18,240	**33,162**	84.8%	1,520	198.0	2,774	496.4	3,359	503.1	5,885	801.3	19,629	3,452.7
Philadelphia	Black	44.1%	27,206	17,885	**45,091**	44.8%	4,416	437.4	8,676	1,137.4	10,131	1,587.4	11,771	1,927.0	10,097	2,650.7
	White	44.7%	20,699	21,482	**42,181**	41.9%	1,286	181.9	5,190	520.6	5,715	921.5	8,945	1,451.0	21,047	4,112.8
Pennsylvania	Black	11.3%	46,712	31,646	**78,358**	11.6%	8,527	379.4	16,070	974.0	16,741	1,199.1	19,622	1,590.9	17,418	2,465.2
	White	83.1%	254,873	299,360	**554,233**	81.7%	26,442	220.4	56,938	584.7	66,436	650.4	103,967	886.6	300,886	3,238.9

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

In 2014, among Pennsylvania residents, there were 64,014 hospitalizations due to unintentional falls. On average, one resident was hospitalized every eight minutes due to unintentional falls.

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 overall **decreased** from 2010 to 2014.
- Most affected demographic is **white females**, 85 and older.
- Of all Pennsylvania counties, **Northampton, Philadelphia** and **Delaware** had the highest rates.

Trends Over Time

- Age-adjusted hospitalization rates for unintentional falls decreased by 9 percent from 419.0 hospitalizations per 100,000 population in 2010 to 381.7 hospitalizations per 100,000 population in 2013. Rates increased marginally to 382.7 hospitalizations per 100,000 population in 2014.
- Males had significantly higher age-adjusted falls hospitalization rates than females for ages less than 60, while females had significantly higher rates for ages 60 and older during the 2010 to 2014 period.
- Urban populations had significantly higher age-adjusted hospitalization rates for unintentional falls than rural populations for all age groups during 2010 to 2014.

Demographic Trends

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

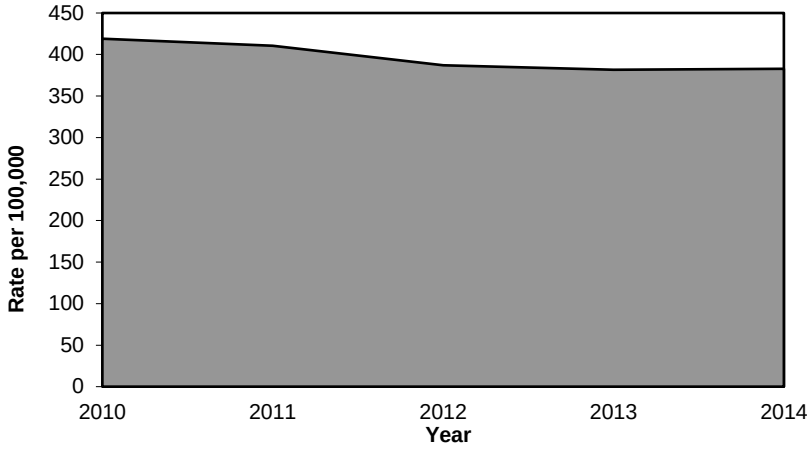
Regional Trends

- The Southwest Health District had the highest age-adjusted unintentional falls hospitalization rate, while the South-Central and North-Central Health Districts had the lowest rates during 2010 to 2014.
- Fourteen counties had age-adjusted falls hospitalization rates for 2010 to 2014 that were significantly higher than the comparable state rate. Many of these counties were urban.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, 2010-2014

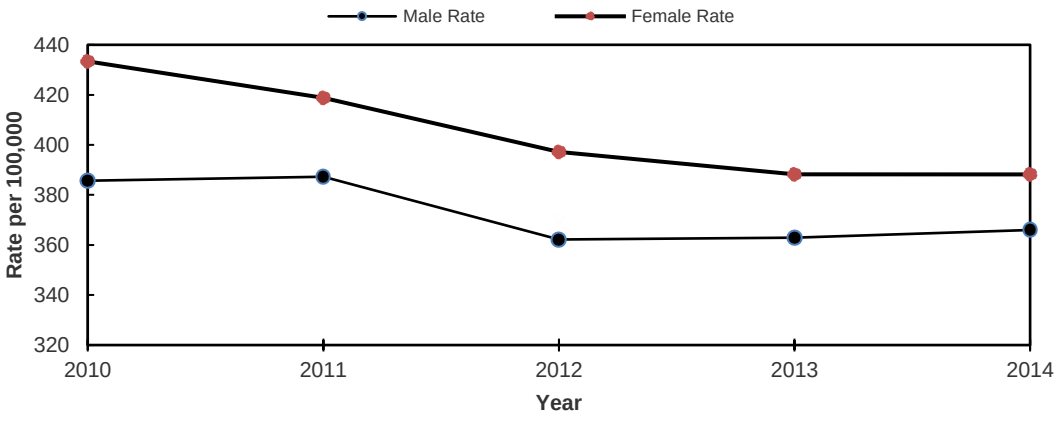
Year	No.	Rate
2010	67,061	419.0
2011	66,655	410.7
2012	63,386	387.0
2013	63,134	381.7
2014	64,014	382.7



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

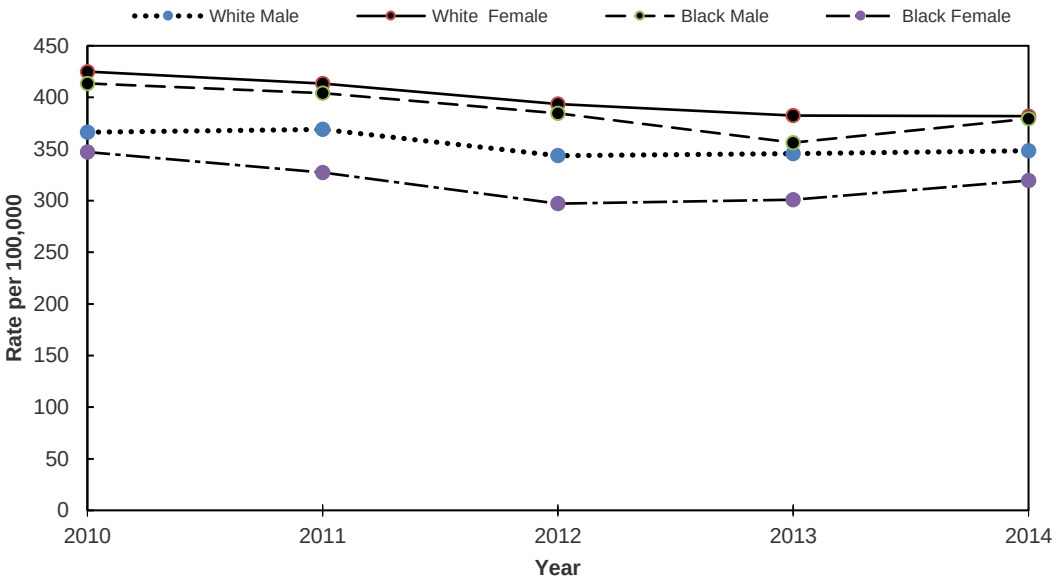
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	25,205	385.7	2010	41,846	433.4
2011	25,779	387.3	2011	40,854	418.9
2012	24,366	362.2	2012	38,992	397.2
2013	24,808	362.9	2013	38,294	388.2
2014	25,501	366.0	2014	38,461	388.2



INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND HOSPITALIZATION RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates				
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	21,341	37,294	2,175	2,462	2010	366.2	425.0	413.6	347.1
2011	22,159	36,887	2,213	2,410	2011	369.0	413.4	404.2	327.3
2012	20,815	35,262	2,150	2,228	2012	343.6	393.4	384.7	297.1
2013	21,282	34,504	2,058	2,288	2013	345.6	382.6	356.2	301.0
2014	21,854	34,450	2,193	2,477	2014	348.4	381.9	379.4	319.5



AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	404.3	340.7	444.9	403.0
2011	409.0	334.7	430.5	388.7
2012	381.0	316.0	406.1	373.6
2013	380.8	318.1	398.6	360.9
2014	387.1	314.5	398.6	360.4

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

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**324,260**	**508.5**	**125,664**	**403.7**	**198,452**	**608.0**		**239,825**	**515.9**	**84,435**	**488.6**	
< 5	2,052	56.9	1,258	68.3	787	44.7	*	1,651	60.7	401	45.3	*
5-9	2,019	54.0	1,162	60.9	851	46.5	*	1,641	59.0	378	39.5	*
10-14	1,797	46.1	1,212	60.9	585	30.7	*	1,389	48.4	408	39.9	*
15-19	2,323	53.5	1,608	72.6	712	33.5	*	1,780	56.4	543	45.8	*
20-24	3,050	69.4	1,881	84.4	1,164	53.7	*	2,388	75.2	662	54.2	*
25-29	3,409	83.9	1,992	97.0	1,415	70.4	*	2,734	87.5	675	71.6	*
30-34	3,904	102.2	2,274	118.7	1,626	85.3	*	3,019	104.5	885	94.9	*
35-39	4,226	115.7	2,432	133.6	1,792	97.7	*	3,314	122.9	912	95.3	*
40-44	6,056	146.6	3,512	171.2	2,537	122.0	*	4,647	154.1	1,409	126.3	*
45-49	9,529	210.8	5,532	248.1	3,990	174.2	*	7,361	224.0	2,168	175.8	*
50-54	13,961	287.1	7,604	318.4	6,351	256.7	*	10,695	303.8	3,266	243.3	*
55-59	17,550	381.8	8,864	394.4	8,677	369.4	*	13,275	402.9	4,275	328.3	*
60-64	20,181	512.3	9,502	499.8	10,670	523.5	*	14,941	535.0	5,240	457.1	*
65-69	21,991	725.2	9,569	669.9	12,412	773.7	*	16,017	755.4	5,974	654.8	*
70-74	25,902	1,139.5	10,521	1,019.9	15,371	1,238.1	*	18,573	1,181.4	7,329	1,045.6	*
75-79	34,813	1,938.5	12,559	1,628.5	22,241	2,170.6	*	25,015	1,996.2	9,798	1,805.2	*
80-84	50,093	3,332.1	16,513	2,784.8	33,562	3,686.6	*	36,486	3,420.5	13,607	3,116.0	*
85 +	101,404	6,319.2	27,669	5,385.1	73,709	6,756.8	*	74,899	6,467.0	26,505	5,936.0	*

* 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: UNINTENTIONAL FALLS

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES
PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**107,455**	**414.6**	**10,790**	**311.1**		**178,401**	**659.6**	**11,866**	**315.1**	
< 5	670	48.6	253	91.6	*	419	32.0	166	62.0	*
5-9	698	47.6	202	75.1	*	514	36.9	126	48.1	*
10-14	828	53.1	208	74.6	*	414	27.9	76	28.5	
15-19	1,185	68.1	243	75.3		484	29.0	130	42.7	*
20-24	1,364	78.2	284	86.8		737	43.6	279	86.7	*
25-29	1,417	85.9	311	120.6	*	964	60.6	295	110.9	*
30-34	1,615	104.3	360	155.8	*	1,122	74.1	323	131.4	*
35-39	1,757	118.3	385	182.6	*	1,299	88.2	329	144.4	*
40-44	2,617	152.9	546	241.8	*	1,903	111.1	422	172.1	*
45-49	4,179	219.8	867	374.1	*	3,104	160.8	615	241.5	*
50-54	5,978	287.7	1,092	481.4	*	5,188	244.0	829	322.9	*
55-59	7,157	360.6	1,205	621.2	*	7,266	355.2	994	439.7	*
60-64	7,871	462.9	1,131	773.6	*	9,185	512.6	954	519.5	
65-69	8,166	631.8	862	878.8	*	11,028	772.4	827	622.5	*
70-74	9,253	986.8	763	1,126.3	*	13,809	1,242.0	888	890.0	*
75-79	11,341	1,603.6	675	1,421.7	*	20,325	2,195.7	1,090	1,379.9	*
80-84	15,285	2,765.0	628	2,016.8	*	31,266	3,740.0	1,248	2,036.4	*
85 +	26,074	5,404.2	775	3,093.1	*	69,374	6,829.7	2,275	3,546.1	*

* 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.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY SEX, AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**43,420**	**405.8**	**402.0-409.6**	**+**	**16,216**	**412.8**	**27,119**	**665.5**
Carbon	1,833	411.1	392.3-430.0		701	437.0	1,131	688.7
Lackawanna	6,432	417.2	407.0-427.4	+	2,197	425.9	4,195	757.3
Lehigh	9,522	426.0	417.5-434.6	+	3,721	432.3	5,801	637.6
Luzerne	8,925	379.3	371.4-387.2	-	2,977	378.8	5,930	727.0
Monroe	3,048	345.8	333.6-358.1	-	1,275	306.9	1,773	415.7
Northampton	10,223	504.0	494.3-513.8	+	4,015	548.2	6,207	813.0
Pike	577	165.5	152.0-179.0	-	266	187.3	303	213.6
Susquehanna	895	307.6	287.5-327.8	-	328	305.2	565	533.1
Wayne	1,237	348.3	328.9-367.7	-	466	339.3	760	616.0
Wyoming	728	412.6	382.7-442.6		270	382.2	454	645.9
North-Central	**14,389**	**318.6**	**313.4-323.8**	**-**	**5,483**	**309.7**	**8,872**	**505.5**
Bradford	1,642	388.6	369.8-407.4		592	383.5	1,048	663.1
Centre	2,616	347.4	334.1-360.7	-	992	245.1	1,621	434.3
Clinton	732	284.5	263.9-305.2	-	278	287.1	451	447.3
Columbia	1,522	353.5	335.8-371.3	-	556	344.6	960	551.0
Lycoming	2,672	338.3	325.5-351.1	-	1,006	351.2	1,662	559.9
Montour	421	305.0	275.9-334.1	-	162	366.9	258	538.0
Northumberland	2,212	320.2	306.8-333.5	-	882	373.7	1,327	563.4
Potter	341	254.2	227.3-281.2	-	125	286.2	215	494.1
Snyder	616	247.9	228.4-267.5	-	252	256.2	361	357.3
Sullivan	217	393.9	341.5-446.4		86	518.3	130	840.7
Tioga	674	239.7	221.6-257.8	-	268	256.9	404	376.1
Union	724	252.7	234.3-271.1	-	284	229.8	435	431.2
Northwest	**23,699**	**373.1**	**368.3-377.8**	**-**	**8,905**	**389.5**	**14,793**	**636.3**
Cameron	181	452.1	386.2-517.9		69	566.6	112	892.6
Clarion	985	390.4	366.0-414.8		377	392.1	608	599.2
Clearfield	1,922	337.7	322.6-352.8	-	680	322.5	1,241	633.9
Crawford	2,159	378.9	362.9-394.9	-	826	384.4	1,333	593.0
Elk	968	405.8	380.2-431.4		356	451.7	612	773.6
Erie	5,842	337.7	329.0-346.4	-	2,259	327.5	3,583	503.9
Forest	192	374.5	321.5-427.5		94	367.9	98	779.8
Jefferson	1,313	407.9	385.8-429.9		528	474.6	785	693.0
Lawrence	2,985	427.5	412.1-442.8	+	1,026	473.3	1,959	841.4
McKean	839	281.2	262.2-300.2	-	304	276.5	535	507.7
Mercer	3,722	421.7	408.2-435.2	+	1,350	475.6	2,372	804.9
Venango	1,556	401.3	381.3-421.2		612	459.6	944	683.0
Warren	1,035	340.3	319.6-361.0	-	424	411.8	611	593.1
Southeast	**126,683**	**417.6**	**415.3-419.9**	**+**	**51,109**	**411.8**	**75,557**	**570.0**
Berks	10,106	395.3	387.6-403.0		3,990	393.4	6,114	581.9
Bucks	16,015	407.8	401.4-414.1	+	6,279	408.7	9,735	609.8
Chester	10,130	356.1	349.2-363.0	-	3,793	304.8	6,337	492.3
Delaware	16,813	482.1	474.8-489.4	+	6,682	496.7	10,131	694.3
Lancaster	10,475	311.8	305.8-317.8	-	4,027	312.9	6,448	479.1
Montgomery	19,999	376.5	371.3-381.8	-	7,779	396.5	12,219	587.5
Philadelphia	38,628	489.5	484.6-494.3	+	16,919	463.8	21,709	532.6
Schuylkill	4,517	418.7	406.5-431.0	+	1,640	438.2	2,864	792.7
South-Central	**33,991**	**315.5**	**312.1-318.8**	**-**	**12,832**	**308.8**	**21,152**	**493.2**
Adams	1,882	284.0	271.2-296.8	-	765	306.2	1,117	433.4
Bedford	895	250.1	233.7-266.5	-	329	267.8	566	456.5
Blair	3,349	363.8	351.5-376.1	-	1,204	390.6	2,145	659.3
Cumberland	5,264	335.2	326.2-344.3	-	1,954	331.6	3,310	544.7
Dauphin	4,704	297.9	289.4-306.5	-	1,739	266.3	2,965	426.0
Franklin	3,204	314.2	303.3-325.1	-	1,164	314.3	2,040	528.0
Fulton	298	327.3	290.2-364.5	-	112	301.9	186	507.9
Huntingdon	895	306.0	285.9-326.0	-	340	279.6	554	515.0
Juniata	551	326.0	298.8-353.2	-	220	357.1	330	533.1
Lebanon	2,573	270.4	260.0-280.9	-	935	283.2	1,638	475.0
Mifflin	1,305	390.9	369.7-412.1		485	423.3	816	686.3
Perry	823	324.1	301.9-346.2	-	346	301.3	477	418.1
York	8,248	319.2	312.3-326.0	-	3,239	299.5	5,008	452.0
Southwest	**82,078**	**427.3**	**424.3-430.2**	**+**	**31,119**	**472.9**	**50,959**	**734.5**
Allegheny	39,466	463.0	458.4-467.6	+	15,167	514.1	24,299	761.2
Armstrong	1,911	379.4	362.4-396.4		750	443.5	1,161	672.2
Beaver	4,593	366.4	355.8-376.9	-	1,685	409.5	2,908	662.0
Butler	4,568	378.0	367.0-389.0	-	1,709	374.8	2,859	609.5
Cambria	4,974	452.3	439.7-464.8	+	1,805	515.9	3,169	886.9
Fayette	3,367	351.4	339.5-363.2	-	1,307	392.4	2,060	598.2
Greene	593	245.2	225.5-264.9	-	222	224.8	371	401.9
Indiana	2,434	431.9	414.7-449.0	+	910	413.6	1,524	687.1
Somerset	2,229	374.0	358.5-389.5	-	851	428.1	1,378	740.7
Washington	6,076	412.8	402.4-423.2	+	2,293	451.7	3,783	709.0
Westmoreland	11,867	430.9	423.2-438.7	+	4,420	499.4	7,447	801.0
Pennsylvania	**324,260**	**396**	**394.8-397.5**		**125,664**	**403.7**	**198,452**	**608.0**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: Rates based on less than 20 events are unreliable and were not calculated. See Technical Notes.
+/- denotes that the county's rate is significantly higher or lower than the state at the p=.05 level.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

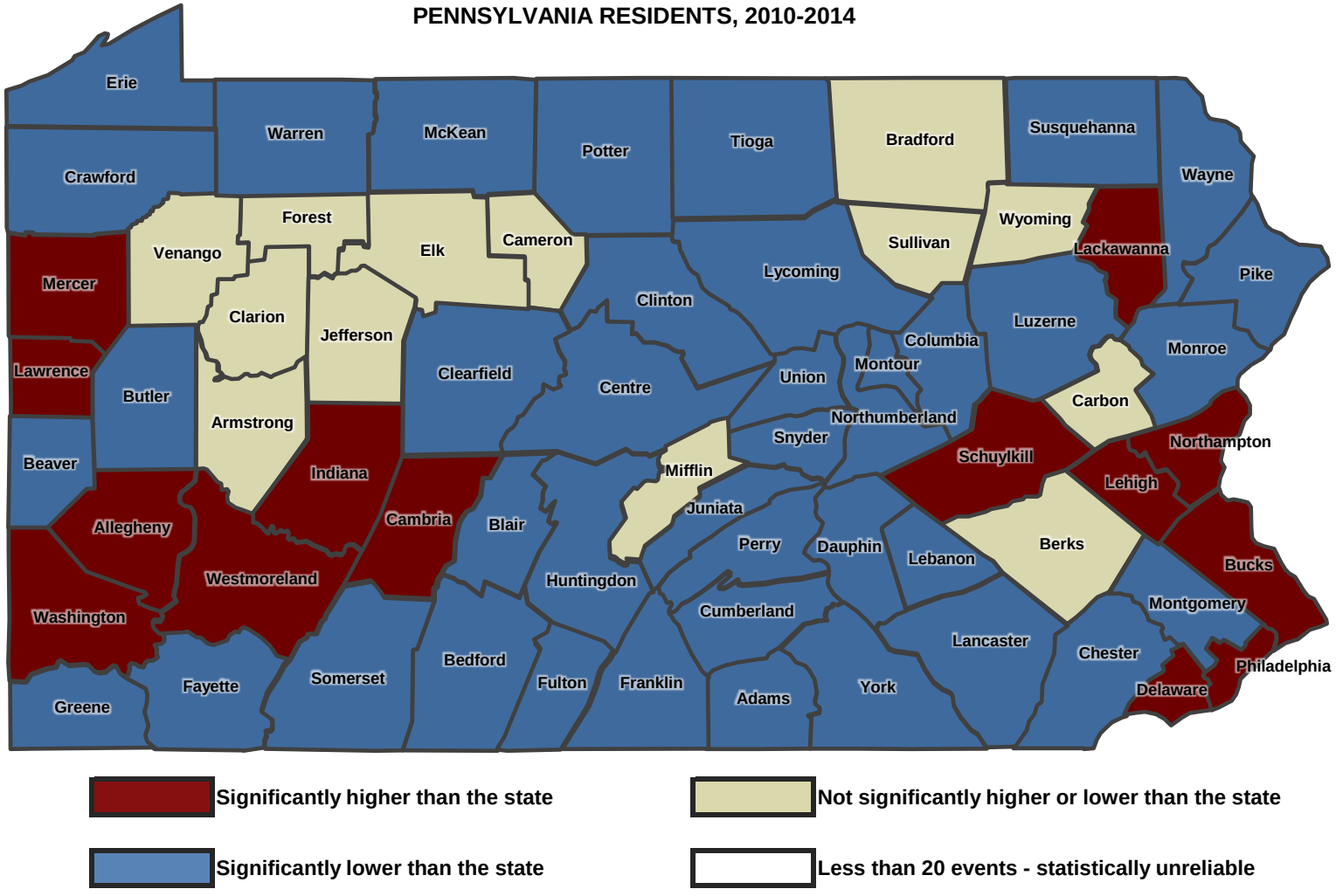
TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND ANNUAL HOSPITALIZATION RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**1,057**	**54.9**	**1,177**	**83.0**	**2,398**	**151.7**	**6,366**	**368.7**	**32,422**	**2,397.2**
Carbon	51	70.8	53	104.3	124	187.8	292	388.7	1,313	2,165.5
Lackawanna	134	54.1	183	91.3	361	180.8	953	418.9	4,801	2,471.3
Lehigh	282	61.7	302	91.0	508	143.8	1,392	389.8	7,038	2,594.0
Luzerne	153	42.3	199	68.8	433	138.0	1,240	362.6	6,900	2,342.8
Monroe	110	50.2	85	59.6	206	118.8	529	278.3	2,118	1,814.9
Northampton	240	65.7	267	99.8	558	187.4	1,420	445.3	7,738	3,139.6
Pike	20	29.4	25	64.7	42	72.1	111	165.3	379	732.1
Susquehanna	23	47.8	17	52.9	49	122.3	136	258.5	670	1,655.0
Wayne	28	52.6	28	70.1	80	154.5	188	293.9	913	1,760.7
Wyoming	16	48.0	18	75.7	37	137.4	105	323.7	552	2,254.0
North-Central	**225**	**27.1**	**399**	**51.5**	**726**	**114.6**	**2,263**	**318.5**	**10,666**	**1,846.7**
Bradford	47	61.3	51	104.4	85	145.2	245	347.9	1,214	2,095.5
Centre	48	27.0	69	26.7	116	93.4	372	298.4	2,011	2,176.6
Clinton	19	38.0	17	40.6	21	61.9	121	311.0	554	1,682.8
Columbia	29	36.1	44	62.0	81	135.9	247	358.6	1,121	2,007.6
Lycoming	64	46.3	72	63.6	110	102.2	403	321.5	2,023	2,049.6
Montour	13	61.4	15	94.7	18	108.2	63	302.2	312	1,770.7
Northumberland	49	46.8	56	68.4	124	136.6	335	320.8	1,648	1,835.3
Potter	6	28.9	7	NSR	31	199.1	89	442.0	208	1,162.3
Snyder	20	38.3	17	45.3	49	131.5	116	287.4	414	1,292.3
Sullivan	5	86.1	9	NSR	31	602.4	81	968.1	91	1,111.4
Tioga	16	31.6	22	58.2	35	93.8	119	256.8	482	1,215.7
Union	19	37.2	20	39.9	25	53.4	72	172.2	588	1,699.4
Northwest	**457**	**41.3**	**627**	**76.4**	**1,336**	**154.9**	**3,788**	**374.0**	**17,491**	**2,164.1**
Cameron	6	119.3	9	NSR	19	431.3	33	511.8	114	2,061.9
Clarion	14	29.9	35	83.5	60	174.7	161	395.0	715	2,113.2
Clearfield	45	51.7	46	64.6	119	139.2	313	351.3	1,399	1,895.8
Crawford	42	38.2	58	78.3	123	151.0	361	370.2	1,575	2,057.0
Elk	19	54.0	24	108.3	55	171.7	136	362.1	734	2,369.6
Erie	113	31.3	188	66.8	364	142.1	990	339.3	4,187	1,983.4
Forest	9	NSR	9	NSR	36	468.9	70	847.0	68	896.6
Jefferson	31	58.1	40	107.8	71	169.5	175	349.7	996	2,360.9
Lawrence	55	52.3	65	89.7	133	161.2	431	419.9	2,301	2,653.0
McKean	20	39.3	22	57.9	61	144.0	130	280.4	606	1,607.8
Mercer	54	38.8	63	65.3	173	163.1	541	428.2	2,891	2,615.2
Venango	33	52.7	38	90.6	71	143.7	270	407.9	1,144	2,237.1
Warren	16	34.9	30	96.1	51	131.9	177	355.8	761	1,877.1
Southeast	**4,215**	**63.9**	**4,808**	**91.8**	**8,675**	**172.9**	**21,189**	**413.6**	**87,796**	**2,377.6**
Berks	250	45.7	294	77.6	569	139.3	1,410	337.6	7,583	2,425.3
Bucks	527	68.7	442	86.9	937	144.6	2,570	356.7	11,539	2,360.0
Chester	208	30.3	319	73.3	566	106.7	1,556	291.3	7,481	2,158.7
Delaware	504	68.5	521	95.6	1,000	185.9	2,776	482.1	12,012	2,925.4
Lancaster	287	39.9	297	59.7	536	109.8	1,416	274.5	7,939	1,923.6
Montgomery	686	68.4	505	70.3	1,011	121.4	2,731	320.3	15,066	2,370.4
Philadelphia	1,674	84.4	2,308	113.9	3,811	268.4	8,027	597.4	22,808	2,404.6
Schuylkill	79	49.4	122	97.2	245	161.8	703	434.7	3,368	2,458.5
South-Central	**711**	**34.0**	**950**	**62.7**	**1,868**	**111.8**	**5,072**	**283.4**	**25,390**	**1,846.7**
Adams	49	39.4	46	53.5	91	90.4	255	231.0	1,441	1,673.2
Bedford	12	21.0	22	59.1	41	84.9	137	247.1	683	1,403.5
Blair	61	40.8	63	56.5	170	144.5	545	395.0	2,510	2,147.2
Cumberland	92	32.3	136	58.1	248	105.8	706	283.5	4,082	2,094.1
Dauphin	122	36.0	183	69.7	340	129.5	873	301.0	3,186	1,632.3
Franklin	65	33.3	68	52.3	126	84.8	398	262.3	2,547	1,941.1
Fulton	6	NSR	8	NSR	14	92.9	35	224.2	235	1,728.1
Huntingdon	17	33.1	19	44.1	46	99.7	126	259.0	687	1,723.1
Juniata	10	32.0	18	88.7	37	155.6	76	296.2	410	1,821.8
Lebanon	54	31.6	55	47.1	112	87.0	335	240.7	2,017	1,693.2
Mifflin	23	39.7	40	107.7	62	139.7	171	351.7	1,009	2,225.1
Perry	25	43.8	37	96.8	49	104.1	152	288.0	560	1,655.6
York	175	31.5	255	65.9	532	117.1	1,263	271.8	6,023	1,838.7
Southwest	**1,453**	**48.1**	**2,415**	**95.9**	**4,929**	**194.2**	**13,207**	**435.0**	**60,074**	**2,499.1**
Allegheny	698	51.4	1,263	98.3	2,472	220.0	6,705	502.7	28,328	2,718.9
Armstrong	31	41.1	46	86.4	111	166.9	285	352.3	1,438	2,188.7
Beaver	97	51.0	135	95.3	273	172.4	716	360.4	3,372	2,082.6
Butler	99	43.4	139	90.6	253	134.1	644	311.7	3,433	2,316.9
Cambria	69	43.7	126	104.7	212	163.6	702	433.0	3,865	2,818.1
Fayette	83	56.0	117	102.6	244	183.7	585	374.6	2,338	1,855.2
Greene	9	NSR	16	44.1	41	106.1	94	222.1	433	1,406.3
Indiana	37	34.5	74	74.7	140	192.6	358	394.7	1,825	2,534.3
Somerset	36	45.0	46	71.7	91	119.0	305	341.3	1,751	2,339.7
Washington	129	54.2	164	95.5	401	199.0	981	406.7	4,401	2,330.1
Westmoreland	165	41.9	289	102.9	691	197.5	1,832	421.9	8,890	2,493.8
Pennsylvania	**8,228**	**52.8**	**10,376**	**84.5**	**19,932**	**162.0**	**51,885**	**387.2**	**233,839**	**2,290.4**

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.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



Significantly higher than the state

Not significantly higher or lower than the state

Significantly lower than the state

Less than 20 events - statistically unreliable

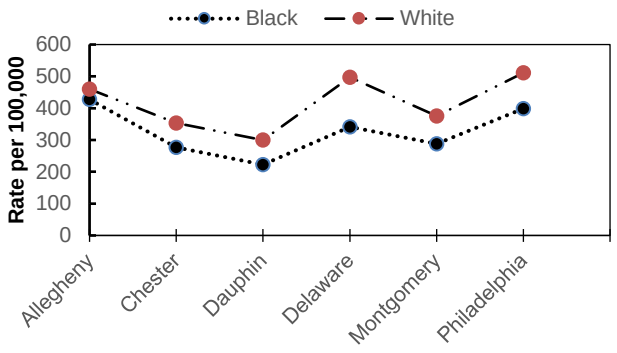
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: UNINTENTIONAL FALLS

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	3,412	427.5	413.1-441.8
Chester	392	276.4	249.1-303.8
Dauphin	485	222.5	202.7-242.3
Delaware	1,542	341.6	324.5-358.6
Montgomery	992	287.6	269.7-305.5
Philadelphia	13,076	398.8	392.0-405.7
Pennsylvania	22,659	351.4	346.8-356.0



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	35,152	460.0	455.2-464.8
Chester	9,300	352.9	345.7-360.1
Dauphin	4,034	299.8	290.5-309.0
Delaware	14,631	497.2	489.1-505.2
Montgomery	17,892	375.2	369.7-380.7
Philadelphia	21,415	510.9	504.1-517.8
Pennsylvania	285,990	384.4	383.0-385.9

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	1,608	1,804	**3,412**	8.6%	209	82.9	280	156.4	444	308.1	978	651.4	1,501	1,609.3
	White	81.4%	13,131	22,021	**35,152**	89.1%	455	46.1	905	89.7	1,935	210.2	5,598	485.5	26,259	2,817.4
Chester	Black	6.3%	170	222	**392**	3.9%	11	22.3	34	93.1	44	147.2	83	293.3	220	1,332.6
	White	86.9%	3,404	5,896	**9,300**	91.8%	149	26.2	242	66.5	468	102.3	1,404	288.0	7,037	2,188.6
Dauphin	Black	18.5%	226	259	**485**	10.3%	35	42.2	40	77.5	89	186.6	148	332.8	173	743.3
	White	74.2%	1,427	2,607	**4,034**	85.8%	70	32.5	125	66.6	214	109.1	694	295.8	2,931	1,754.1
Delaware	Black	20.5%	684	858	**1,542**	9.2%	109	55.9	128	97.4	206	181.0	414	460.4	685	1,506.9
	White	72.1%	5,675	8,956	**14,631**	87.0%	313	67.1	358	97.4	720	189.5	2,238	489.4	11,002	3,134.0
Montgomery	Black	9.1%	475	517	**992**	5.0%	62	58.1	65	86.1	92	116.1	251	378.2	522	1,303.0
	White	81.6%	6,820	11,071	**17,891**	89.5%	441	57.5	371	66.4	827	123.9	2,328	317.0	13,925	2,449.4
Philadelphia	Black	44.1%	6,222	6,854	**13,076**	33.9%	775	76.8	1,041	136.5	1,870	293.0	3,501	573.1	5,889	1,546.0
	White	44.7%	8,588	12,827	**21,415**	55.4%	301	42.6	806	80.8	1,390	224.1	3,757	609.5	15,161	2,962.6
Pennsylvania	Black	11.3%	10,790	11,866	**22,656**	7.0%	1,404	62.5	1,853	112.3	3,165	226.7	6,206	503.2	10,031	1,419.7
	White	83.1%	107,455	178,401	**285,856**	88.2%	5,228	43.6	7,227	74.2	14,873	145.6	42,668	363.9	215,994	2,325.1

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL POISONING

In 2014, among Pennsylvania residents, there were 15,001 hospitalizations due to poisoning. On average, one resident was hospitalized every 35 minutes.

Injury Definition

Poisoning includes:

- accidental and intentional drug overdose;
- misuse or abuse of prescription drugs;
- exposure to gases like carbon monoxide; and
- 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 2010 to 2014 but with a slight increase from 2010 to 2011.
- Most affected demographic is **Black males**, ages 45-59.
- Of all Pennsylvania counties, **Philadelphia** and **Carbon** had the highest rates.

Trends Over Time

- There was a 3 percent increase in age-adjusted poisoning rate from 2010 to 2011; rates thereafter decreased by 13 percent from 131.8 hospitalizations per 100,000 population in 2011 to 114.7 hospitalizations per 100,000 population in 2014.
- Females generally had higher age-adjusted poisoning hospitalization rates than males in 2010 to 2014 (2014 rates were 120.1 and 109.4 for females and males respectively), these vary among age groups.
- Urban populations had significantly higher age-adjusted poisoning hospitalization rates than rural populations for ages 40 and older.

Demographic Trends

- Among ages 10 to 49, females had higher age-adjusted poisoning hospitalization rates than males.
- Black males had significantly higher age-adjusted poisoning hospitalization rates than white males for all age groups except ages 15 - 34. White males had significantly higher age-adjusted poisoning hospitalization rates for ages 15 - 29.
- Black females had significantly higher age-adjusted poisoning hospitalization rates than white males for ages 40 and older.

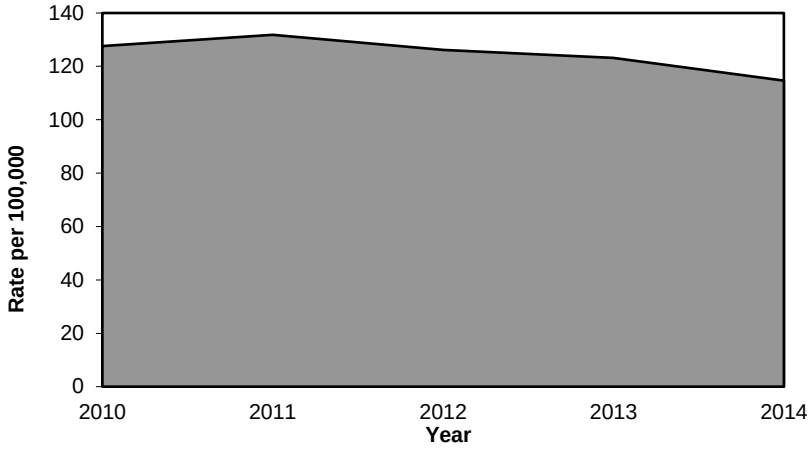
Regional Trends

- The Southeast Health District had the highest age-adjusted poisoning hospitalization rate, while the South-Central Health District had the lowest rate.
- Seventeen counties had age-adjusted poisoning hospitalization rates during 2010 to 2014 that were significantly higher than the 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, 2010-2014

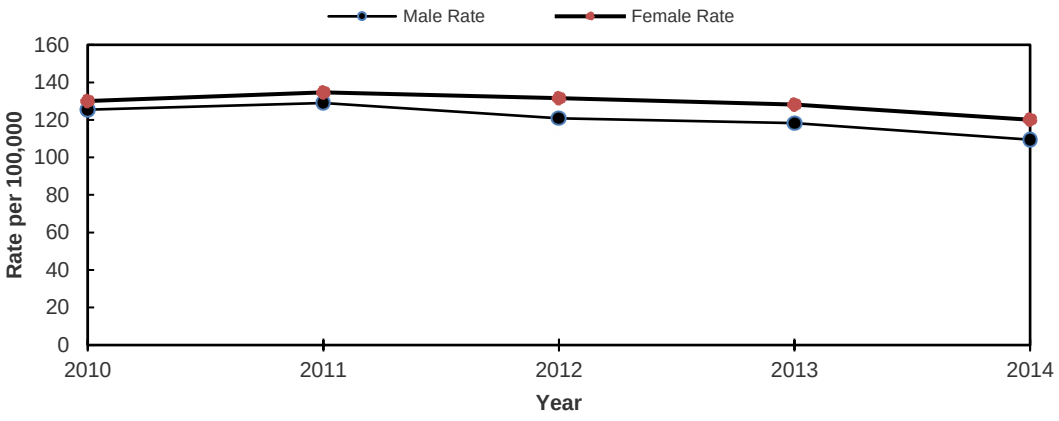
Year	No.	Rate
2010	16,444	127.6
2011	16,956	131.8
2012	16,298	126.1
2013	15,922	123.2
2014	15,001	114.7



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

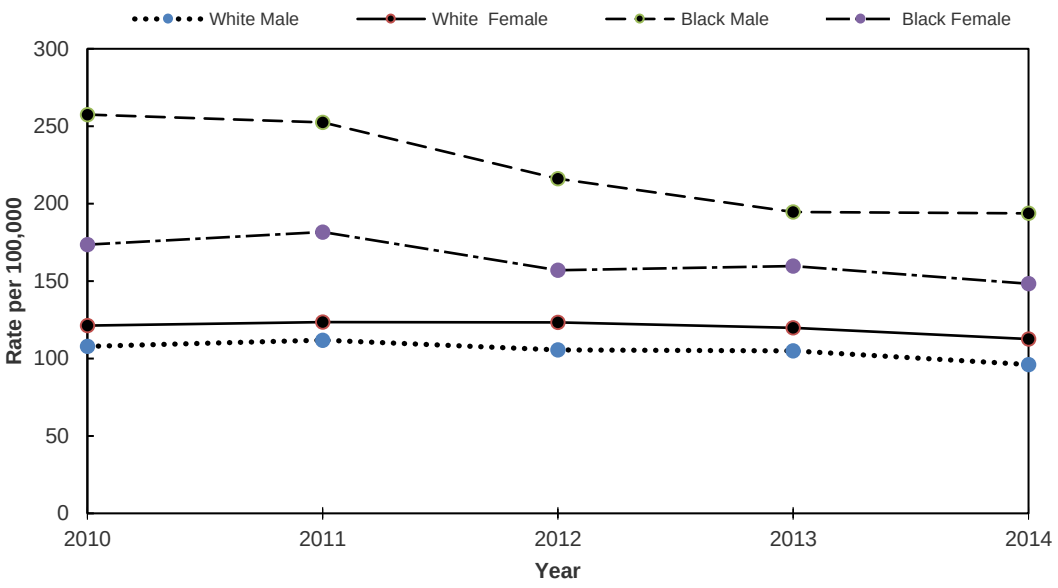
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	7,913	125.4	2010	8,530	130.1
2011	8,157	129.0	2011	8,796	134.7
2012	7,706	120.8	2012	8,591	131.6
2013	7,541	118.2	2013	8,369	128.1
2014	7,046	109.4	2014	7,945	120.1



INJURY HOSPITALIZATIONS: ALL POISONING

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND HOSPITALIZATION RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates				
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	5,560	6,502	1,615	1,255	2010	107.9	121.2	257.5	173.6
2011	5,917	6,763	1,676	1,356	2011	111.9	123.5	252.4	181.7
2012	5,638	6,721	1,447	1,183	2012	105.6	123.4	216.1	157.1
2013	5,604	6,513	1,312	1,212	2013	104.9	119.7	194.6	159.8
2014	5,166	6,178	1,319	1,153	2014	96.1	112.6	193.7	148.3



AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	134.6	102.4	127.9	137.5
2011	135.7	112.8	134.1	137.3
2012	129.6	99.0	133.6	127.0
2013	125.2	101.3	129.0	126.3
2014	117.6	89.1	121.6	117.2

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 POISONING

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**80,624**	**126.4**	**38,366**	**123.2**	**42,231**	**129.4**		**61,104**	**131.4**	**19,520**	**113.0**	
< 5	924	25.6	504	27.4	420	23.8		755	27.8	169	19.1	*
5-9	207	5.5	114	6.0	93	5.1	*	171	6.1	36	3.8	*
10-14	848	21.8	243	12.2	605	31.8	*	636	22.1	212	20.8	
15-19	4,816	110.9	1,964	88.6	2,849	134.1	*	3,365	106.7	1,451	122.3	*
20-24	7,094	161.4	3,571	160.3	3,519	162.3		5,184	163.3	1,910	156.5	
25-29	7,131	175.4	3,533	172.0	3,594	178.7		5,224	167.3	1,907	202.4	*
30-34	6,655	174.1	3,300	172.2	3,351	175.8		4,951	171.4	1,704	182.8	*
35-39	6,257	171.3	2,922	160.5	3,333	181.8	*	4,542	168.5	1,715	179.1	*
40-44	7,573	183.4	3,598	175.4	3,975	191.2	*	5,818	193.0	1,755	157.4	*
45-49	9,130	202.0	4,357	195.4	4,770	208.3	*	7,086	215.6	2,044	165.7	*
50-54	9,052	186.2	4,496	188.2	4,555	184.1		7,062	200.6	1,990	148.3	*
55-59	6,829	148.6	3,456	153.8	3,370	143.5	*	5,439	165.1	1,390	106.7	*
60-64	4,548	115.5	2,298	120.9	2,248	110.3	*	3,602	129.0	946	82.5	*
65-69	2,858	94.2	1,302	91.2	1,555	96.9		2,154	101.6	704	77.2	*
70-74	2,017	88.7	845	81.9	1,172	94.4	*	1,513	96.2	504	71.9	*
75-79	1,664	92.7	689	89.3	975	95.2		1,271	101.4	393	72.4	*
80-84	1,417	94.3	583	98.3	834	91.6		1,097	102.8	320	73.3	*
85 +	1,604	100.0	591	115.0	1,013	92.9	*	1,234	106.5	370	82.9	*

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

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.
Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: ALL POISONING

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**27,885**	**107.6**	**7,372**	**212.6**		**32,677**	**120.8**	**6,159**	**163.6**	
< 5	238	17.3	137	49.6	*	172	13.1	128	47.8	*
5-9	49	3.3	35	13.0	*	30	2.2	33	12.6	*
10-14	141	9.0	38	13.6	*	371	25.0	106	39.8	*
15-19	1,496	86.0	210	65.1	*	1,993	119.6	413	135.5	*
20-24	2,847	163.3	357	109.1	*	2,669	157.8	442	137.4	*
25-29	2,864	173.6	371	143.8	*	2,836	178.2	401	150.8	*
30-34	2,600	167.9	389	168.3		2,615	172.8	422	171.6	
35-39	2,125	143.1	503	238.5	*	2,630	178.5	442	194.0	
40-44	2,452	143.3	840	372.0	*	3,031	176.9	613	250.0	*
45-49	2,915	153.3	1,120	483.3	*	3,658	189.5	809	317.7	*
50-54	2,960	142.4	1,293	570.0	*	3,519	165.5	804	313.2	*
55-59	2,368	119.3	928	478.4	*	2,606	127.4	620	274.3	*
60-64	1,546	90.9	608	415.9	*	1,810	101.0	340	185.2	*
65-69	985	76.2	244	248.8	*	1,277	89.4	204	153.6	*
70-74	667	71.1	135	199.3	*	986	88.7	133	133.3	*
75-79	589	83.3	71	149.5	*	841	90.9	99	125.3	*
80-84	507	91.7	55	176.6	*	726	86.8	75	122.4	*
85 +	536	111.1	38	151.7	*	907	89.3	75	116.9	*

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

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

INJURY HOSPITALIZATIONS: ALL POISONING

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY SEX, AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**9,771**	**122.7**	**120.2-125.1**		**4,333**	**110.3**	**5,414**	**132.9**
Carbon	625	198.9	183.3-214.5	+	284	177.0	341	207.7
Lackawanna	1,402	132.3	125.4-139.2	+	576	111.7	810	146.2
Lehigh	2,219	126.4	121.2-131.7		1,019	118.4	1,200	131.9
Luzerne	1,607	99.0	94.1-103.8	-	724	92.1	879	107.8
Monroe	1,110	132.6	124.8-140.4		464	111.7	646	151.5
Northampton	2,141	142.6	136.6-148.7	+	985	134.5	1,156	151.4
Pike	165	58.2	49.3-67.1	-	57	40.1	107	75.4
Susquehanna	142	72.6	60.7-84.6	-	70	65.1	72	67.9
Wayne	251	99.9	87.6-112.3	-	109	79.4	140	113.5
Wyoming	109	79.9	64.9-95.0	-	45	63.7	63	89.6
North-Central	**3,703**	**104.3**	**101.0-107.7**	**-**	**1,640**	**92.6**	**2,060**	**117.4**
Bradford	519	177.1	161.8-192.3	+	245	158.7	274	173.4
Centre	682	88.2	81.6-94.9	-	266	65.7	415	111.2
Clinton	143	72.6	60.7-84.5	-	74	76.4	69	68.4
Columbia	404	122.4	110.5-134.4		160	99.2	243	139.5
Lycoming	546	92.9	85.1-100.7	-	269	93.9	277	93.3
Montour	160	178.1	150.5-205.7	+	55	124.6	105	219.0
Northumberland	696	153.1	141.7-164.5	+	309	130.9	387	164.3
Potter	69	85.4	65.2-105.5	-	32	73.3	36	82.7
Snyder	153	77.3	65.0-89.5	-	74	75.2	79	78.2
Sullivan	51	143.2	103.9-182.5		27	162.7	24	155.2
Tioga	147	73.4	61.5-85.3	-	65	62.3	82	76.3
Union	133	55.9	46.4-65.4	-	64	51.8	69	68.4
Northwest	**5,738**	**127.0**	**123.7-130.3**		**2,560**	**112.0**	**3,178**	**136.7**
Cameron	42	183.1	127.7-238.4		17	NSR	25	199.2
Clarion	117	60.8	49.7-71.8	-	51	53.0	66	65.0
Clearfield	412	98.6	89.1-108.1	-	200	94.9	212	108.3
Crawford	494	117.8	107.4-128.2		225	104.7	269	119.7
Elk	217	155.8	135.1-176.6	+	101	128.2	116	146.6
Erie	1,960	141.7	135.4-148.0	+	844	122.3	1,116	156.9
Forest	40	96.2	66.4-126.0		23	90.0	17	NSR
Jefferson	217	99.2	86.0-112.5	-	97	87.2	120	105.9
Lawrence	570	129.2	118.5-139.8		267	123.2	303	130.1
McKean	218	100.8	87.4-114.2	-	82	74.6	136	129.1
Mercer	842	152.4	142.1-162.7	+	389	137.0	453	153.7
Venango	325	126.4	112.7-140.1		159	119.4	166	120.1
Warren	284	141.1	124.7-157.5		105	102.0	179	173.8
Southeast	**36,952**	**140.5**	**139.0-141.9**	**+**	**18,856**	**151.9**	**18,096**	**136.5**
Berks	2,331	112.2	107.7-116.8	-	1,044	102.9	1,287	122.5
Bucks	3,975	128.2	124.2-132.2		1,901	123.7	2,074	129.9
Chester	1,965	76.7	73.4-80.1	-	883	71.0	1,082	84.1
Delaware	4,560	159.5	154.9164.2	+	2,305	171.3	2,255	154.5
Lancaster	2,437	94.0	90.3-97.8	-	1,110	86.3	1,327	98.6
Montgomery	3,847	93.5	90.6-96.5	-	1,701	86.7	2,146	103.2
Philadelphia	16,506	214.6	211.3-217.8	+	9,313	255.3	7,193	176.5
Schuylkill	1,331	191.1	180.8-201.4	+	599	160.0	732	202.6
South-Central	**8,652**	**102.8**	**100.7-105.0**	**-**	**3,914**	**94.2**	**4,738**	**110.5**
Adams	351	69.1	61.9-76.3	-	159	63.6	192	74.5
Bedford	169	74.0	62.9-85.2	-	69	56.2	100	80.7
Blair	864	140.8	131.4-150.2	+	359	116.5	505	155.2
Cumberland	1,050	86.0	80.8-91.2	-	474	80.4	576	94.8
Dauphin	1,588	115.8	110.1-121.5	-	801	122.6	787	113.1
Franklin	786	105.6	98.3-113.0	-	301	81.3	485	125.5
Fulton	53	78.0	57.0-99.0	-	26	70.1	27	73.7
Huntingdon	230	99.9	87.0-112.8	-	96	78.9	134	124.6
Juniata	80	66.6	52.0-81.2	-	39	63.3	41	66.2
Lebanon	494	75.9	69.3-82.6	-	231	70.0	263	76.3
Mifflin	258	115.1	101.1-129.2		119	103.9	139	116.9
Perry	240	106.0	92.6-119.4	-	99	86.2	141	123.6
York	2,489	113.8	109.4-118.3	-	1,141	105.5	1,348	121.7
Southwest	**15,808**	**116.5**	**114.7-118.4**	**-**	**7,063**	**107.3**	**8,745**	**126.0**
Allegheny	7,049	110.6	108.0-113.2	-	3,246	110.0	3,803	119.1
Armstrong	313	94.9	84.4-105.4	-	136	80.4	177	102.5
Beaver	1,140	138.4	130.3-146.4	+	476	115.7	664	151.2
Butler	583	63.9	58.7-69.0	-	274	60.1	309	65.9
Cambria	1,038	151.2	142.0-160.4	+	462	132.0	576	161.2
Fayette	930	143.4	134.2-152.6	+	418	125.5	512	148.7
Greene	219	117.3	101.7-132.8		112	113.4	107	115.9
Indiana	539	129.2	118.3-140.1		245	111.3	294	132.5
Somerset	436	116.5	105.6-127.4		211	106.1	225	120.9
Washington	1,217	121.7	114.9-128.5		542	106.8	675	126.5
Westmoreland	2,344	137.8	132.2-143.4	+	941	106.3	1,403	150.9
Pennsylvania	**80,624**	**124.7**	**123.9-125.6**		**38,366**	**123.2**	**42,231**	**129.4**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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

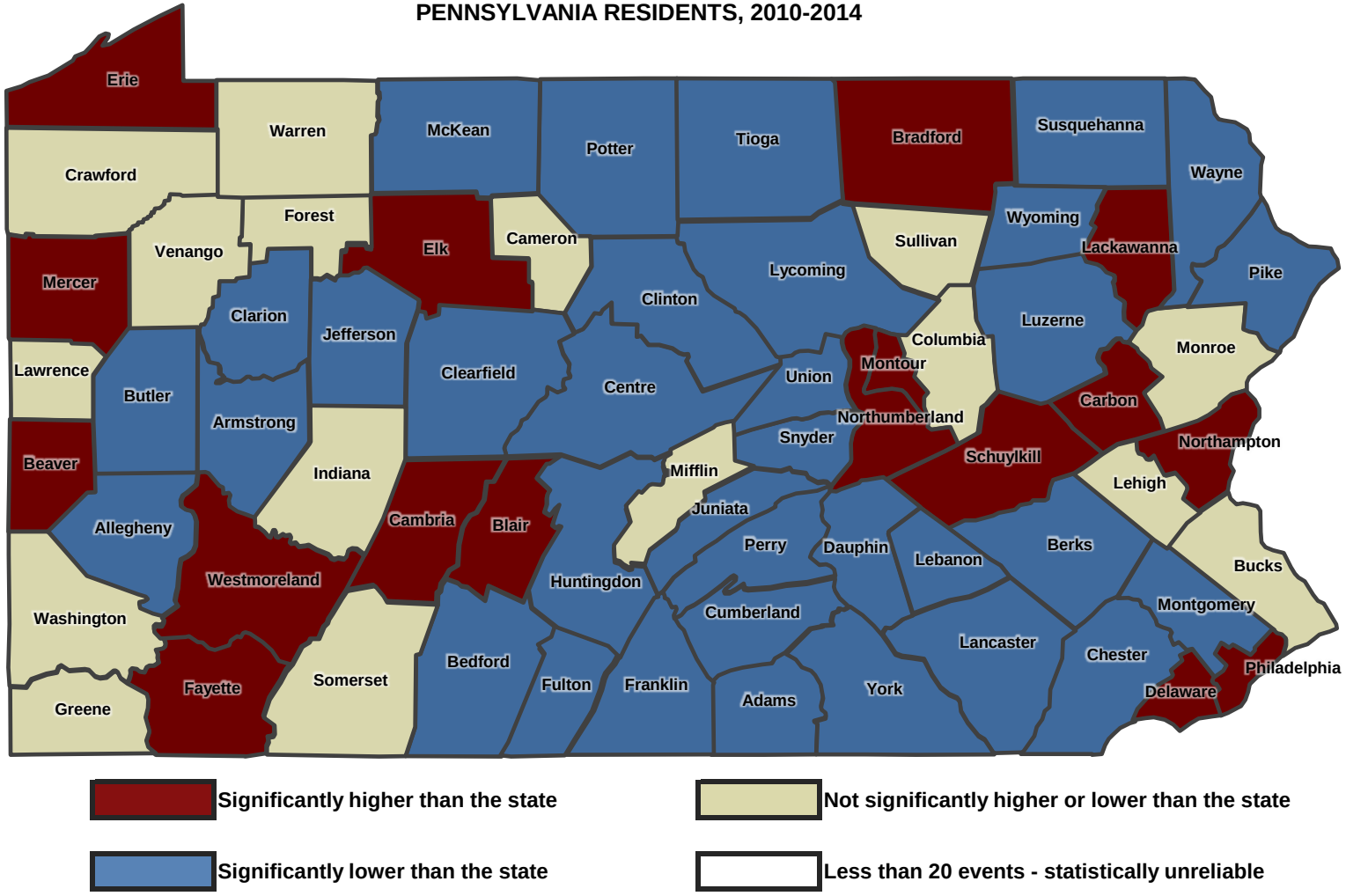
TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND ANNUAL HOSPITALIZATION RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**1,002**	**52.0**	**2,640**	**186.3**	**2,847**	**180.1**	**2,141**	**124.0**	**1,141**	**84.4**
Carbon	45	62.5	168	330.5	192	290.8	142	189.0	78	128.6
Lackawanna	119	48.0	379	189.1	401	200.8	340	149.4	163	83.9
Lehigh	244	53.4	625	188.2	646	182.8	475	133.0	229	84.4
Luzerne	124	34.3	424	146.5	479	152.7	365	106.7	215	73.0
Monroe	126	57.5	302	211.7	345	198.9	234	123.1	103	88.3
Northampton	181	49.6	577	215.6	610	204.9	476	149.3	297	120.5
Pike	26	38.2	35	90.6	48	82.5	39	58.1	17	32.8
Susquehanna	34	70.6	36	112.0	39	97.4	18	34.2	15	37.1
Wayne	76	142.9	64	160.2	62	119.7	33	51.6	16	30.9
Wyoming	27	81.1	30	126.1	25	92.9	19	58.6	8	32.7
North-Central	**677**	**81.6**	**1,051**	**135.7**	**939**	**148.2**	**667**	**93.9**	**369**	**63.9**
Bradford	45	58.7	188	384.7	116	198.1	107	151.9	63	108.7
Centre	180	101.2	181	69.9	184	148.2	96	77.0	41	44.4
Clinton	41	81.9	39	93.1	26	76.6	24	61.7	13	39.5
Columbia	41	51.1	108	152.1	105	176.1	93	135.0	57	102.1
Lycoming	50	36.1	153	135.1	141	131.0	135	107.7	67	67.9
Montour	43	203.2	42	265.2	52	312.7	16	76.7	7	39.7
Northumberland	89	85.0	212	259.1	178	196.1	132	126.4	85	94.7
Potter	19	91.4	16	124.9	17	109.2	9	NSR	8	44.7
Snyder	51	97.6	36	96.0	34	91.2	21	52.0	11	34.3
Sullivan	12	206.6	5	NSR	26	505.2	6	NSR	2	24.4
Tioga	54	106.7	38	100.6	35	93.8	11	23.7	9	22.7
Union	52	101.7	33	65.8	25	53.4	17	40.7	6	17.3
Northwest	**666**	**60.2**	**1,590**	**193.7**	**1,642**	**190.4**	**1,207**	**119.2**	**633**	**78.3**
Cameron	10	198.8	17	513.0	12	272.4	3	NSR	0	0.0
Clarion	14	29.9	34	81.1	25	72.8	28	68.7	16	47.3
Clearfield	32	36.7	96	134.9	127	148.6	81	90.9	76	103.0
Crawford	118	107.2	135	182.3	124	152.3	80	82.0	37	48.3
Elk	38	108.0	82	370.0	57	177.9	26	69.2	14	45.2
Erie	203	56.3	587	208.6	561	219.1	431	147.7	178	84.3
Forest	12	251.9	13	132.2	10	130.3	3	NSR	2	26.4
Jefferson	19	35.6	55	148.3	57	136.1	53	105.9	33	78.2
Lawrence	41	39.0	135	186.2	165	200.0	151	147.1	78	89.9
McKean	40	78.5	58	152.6	68	160.6	36	77.7	16	42.4
Mercer	53	38.1	239	247.9	255	240.4	202	159.9	93	84.1
Venango	39	62.2	76	181.1	90	182.1	62	93.7	58	113.4
Warren	47	102.5	63	201.9	91	235.4	51	102.5	32	78.9
Southeast	**3,127**	**47.4**	**8,826**	**168.6**	**10,553**	**210.4**	**10,238**	**199.9**	**4,208**	**114.0**
Berks	248	45.3	588	155.2	652	159.6	558	133.6	285	91.2
Bucks	352	45.9	1,122	220.6	1,082	167.0	940	130.4	479	98.0
Chester	171	24.9	520	119.5	480	90.5	482	90.2	312	90.0
Delaware	376	51.1	1,162	213.3	1,215	225.9	1,235	214.5	572	139.3
Lancaster	246	34.2	644	129.5	680	139.3	535	103.7	332	80.4
Montgomery	402	40.1	1,007	140.2	933	112.1	935	109.6	570	89.7
Philadelphia	1,045	52.7	3,361	165.8	5,123	360.8	5,397	401.6	1,580	166.6
Schuylkill	287	179.5	422	336.1	388	256.3	156	96.5	78	56.9
South-Central	**1,075**	**51.4**	**2,338**	**154.3**	**2,574**	**154.0**	**1,762**	**98.4**	**903**	**65.7**
Adams	58	46.6	93	108.1	100	99.3	68	61.6	32	37.2
Bedford	43	75.2	59	158.4	42	86.9	21	37.9	4	8.2
Blair	161	107.7	248	222.3	249	211.6	138	100.0	68	58.2
Cumberland	104	36.6	283	120.9	285	121.5	212	85.1	166	85.2
Dauphin	242	71.4	378	144.0	563	214.5	287	98.9	118	60.5
Franklin	58	29.7	217	166.9	221	148.8	197	129.9	93	70.9
Fulton	16	89.2	20	173.8	7	NSR	8	NSR	2	14.7
Huntingdon	51	99.2	70	162.3	54	117.1	32	65.8	23	57.7
Juniata	26	83.1	22	108.4	14	58.9	13	50.7	5	22.2
Lebanon	51	29.8	123	105.3	152	118.0	85	61.1	83	69.7
Mifflin	20	34.5	74	199.3	64	144.2	74	152.2	26	57.3
Perry	35	61.4	70	183.2	74	157.2	44	83.4	17	50.3
York	210	37.8	681	175.9	749	164.9	583	125.5	266	81.2
Southwest	**1,279**	**42.3**	**4,341**	**172.3**	**4,493**	**177.0**	**3,768**	**124.1**	**1,927**	**80.2**
Allegheny	490	36.1	1,844	143.6	1,874	166.8	1,901	142.5	940	90.2
Armstrong	51	67.6	74	139.1	110	165.4	50	61.8	28	42.6
Beaver	90	47.3	316	223.1	334	211.0	264	132.9	136	84.0
Butler	72	31.5	148	96.5	156	82.7	116	56.1	91	61.4
Cambria	111	70.3	282	234.3	267	206.0	261	161.0	117	85.3
Fayette	86	58.0	272	238.4	296	222.8	205	131.3	71	56.3
Greene	19	44.1	71	195.7	65	168.3	49	115.8	15	48.7
Indiana	39	36.3	145	146.3	172	236.6	126	138.9	57	79.2
Somerset	76	95.0	131	204.2	127	166.1	53	59.3	49	65.5
Washington	98	41.2	333	194.0	373	185.1	270	111.9	143	75.7
Westmoreland	147	37.4	725	258.2	719	205.5	473	108.9	280	78.5
Pennsylvania	**7,826**	**50.2**	**20,786**	**169.2**	**23,048**	**187.3**	**19,783**	**147.7**	**9,181**	**89.9**

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 POISONING

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



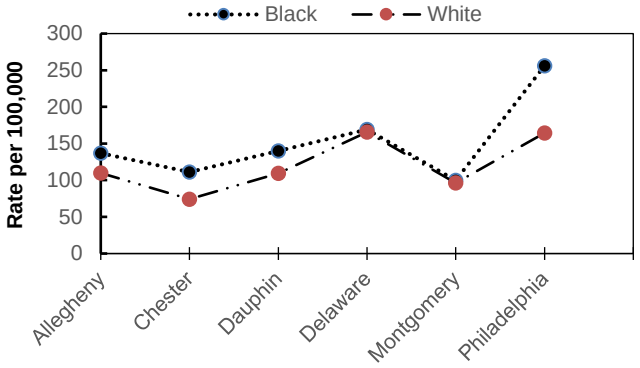
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL POISONING

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	1,110	136.9	128.9-145.0
Chester	177	111.2	94.8-127.6
Dauphin	338	139.8	124.9-154.8
Delaware	919	169.0	158.1-180.0
Montgomery	374	99.8	89.7-109.9
Philadelphia	8,620	256.1	250.7-261.5
Pennsylvania	13,531	190.5	187.2-193.7



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	5,763	109.9	107.1-112.8
Chester	1,661	74.2	70.6-77.8
Dauphin	1,136	109.2	102.8-115.5
Delaware	3,433	165.7	160.1-171.2
Montgomery	3,232	96.1	92.8-99.5
Philadelphia	5,969	164.5	160.3-168.6
Pennsylvania	60,587	112.7	111.8-113.6

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	480	630	**1,110**	15.7%	144	57.1	247	138.0	293	203.3	322	214.5	104	111.5
	White	81.4%	2,677	3,086	**5,763**	81.8%	326	33.0	1,528	151.5	1,543	167.6	1,548	134.3	818	87.8
Chester	Black	6.3%	87	90	**177**	9.0%	21	42.5	44	120.5	41	137.2	49	173.2	22	133.3
	White	86.9%	746	915	**1,661**	84.5%	130	22.9	436	119.8	401	87.6	413	84.7	281	87.4
Dauphin	Black	18.5%	153	185	**338**	21.3%	38	45.8	69	133.8	109	228.6	86	193.4	36	154.7
	White	74.2%	589	547	**1,136**	71.5%	67	31.1	286	152.5	323	164.7	314	133.9	146	87.4
Delaware	Black	20.5%	481	438	**919**	20.2%	105	53.9	187	142.2	264	231.9	268	298.0	95	209.0
	White	72.1%	1,712	1,721	**3,433**	75.3%	226	48.4	929	252.7	888	233.7	926	202.5	464	132.2
Montgomery	Black	9.1%	176	198	**374**	9.7%	43	40.3	96	127.2	105	132.5	92	138.6	38	94.9
	White	81.6%	1,427	1,805	**3,232**	84.0%	283	36.9	849	151.9	781	117.0	810	110.3	509	89.5
Philadelphia	Black	44.1%	4,993	3,627	**8,620**	52.2%	503	49.8	1,152	151.0	2,939	460.5	3,299	540.1	727	190.9
	White	44.7%	3,299	2,670	**5,969**	36.2%	190	26.9	1,659	166.4	1,625	262.0	1,771	287.3	724	141.5
Pennsylvania	Black	11.3%	7,372	6,159	**13,531**	16.8%	1,100	48.9	2,382	144.4	4,327	309.9	4,593	372.4	1,129	159.8
	White	83.1%	27,885	32,677	**60,562**	75.1%	4,493	37.5	16,442	168.9	16,815	164.6	14,815	126.3	8,022	86.4

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC ACCIDENTS

In 2014, among Pennsylvania residents, there were 9,240 hospitalizations due to motor vehicle traffic (MVT) accidents. On average, one resident was hospitalized every 57 minutes.

Injury Definition

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

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

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

HIGHLIGHTS

- Age-adjusted rates steadily **decreased** from 2010 to 2014.
- Most common demographic is **white males**, ages 20-24.
- Of all Pennsylvania counties, **Wyoming** and **Sullivan** had the highest rates.

Trends Over Time

- Age-adjusted hospitalization rates for MVT injury decreased by 24 percent from 90.5 hospitalizations per 100,000 population in 2010 to 69.0 hospitalizations per 100,000 population in 2014.
- Males had significantly higher age-adjusted MVT hospitalization rates than females during for all age groups in 2010 to 2014.
- Urban populations had significantly higher MVT hospitalization age-adjusted rates than rural populations for age groups under 15, while rural populations had significantly higher age-adjusted MVT rates than urban populations for ages 15-54.

Demographic Trends

- Generally, black males had higher age-adjusted MVT hospitalization rates than white males; white males had significantly higher rates than black males for ages 75 and older.
- Black females had significantly higher age-adjusted MVT hospitalization rates than white females for ages under 15, while white females had higher age-adjusted MVT hospitalization rates than black females for ages 70 and older.

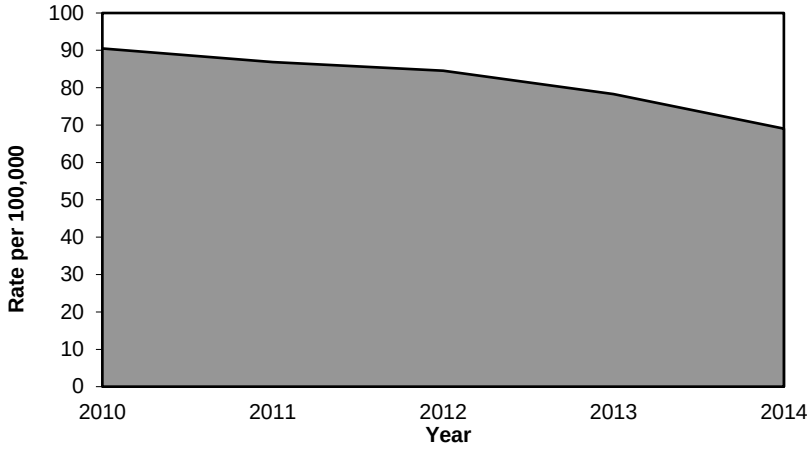
Regional Trends

- The Northeast Health District had the highest age-adjusted MVT hospitalization rate, while the South-Central Health District had the lowest rate.
- Thirty-two counties had age-adjusted MVT hospitalization rates that were significantly higher than the state rate for the 2010 to 2014 period. The majority of these were rural counties.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, 2010-2014

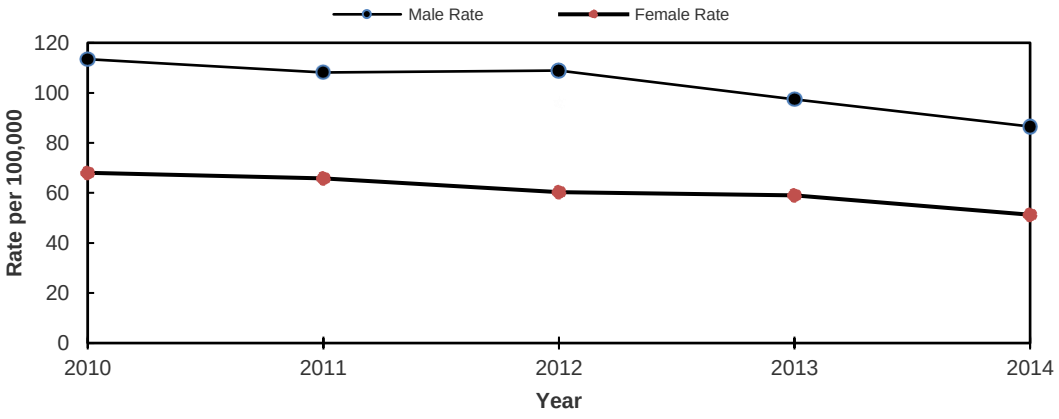
Year	No.	Rate
2010	11,857	90.5
2011	11,384	86.8
2012	11,161	84.6
2013	10,399	78.3
2014	9,240	69.0



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

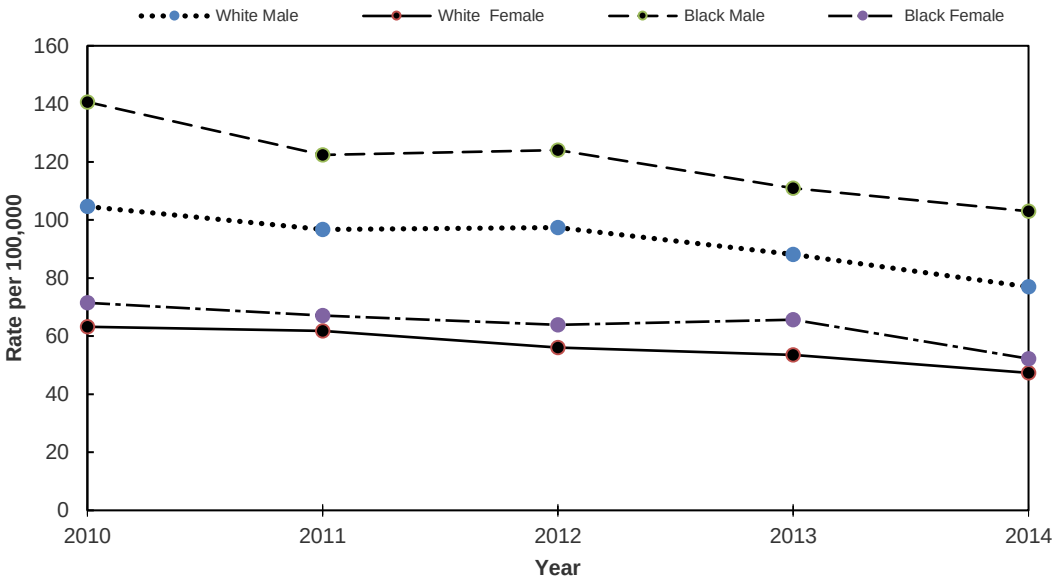
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	7,153	113.5	2010	4,683	68.0
2011	6,858	108.1	2011	4,497	65.8
2012	6,923	108.9	2012	4,200	60.4
2013	6,242	97.4	2013	4,096	59.0
2014	5,598	86.5	2014	3,595	51.3



INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND HOSPITALIZATION RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates				
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	5,478	3,648	908	521	2010	104.6	63.2	140.6	71.5
2011	5,230	3,598	853	503	2011	96.7	61.8	122.4	67.1
2012	5,254	3,330	866	483	2012	97.4	56.1	124.0	63.9
2013	4,796	3,181	782	504	2013	88.2	53.6	110.9	65.6
2014	4,229	2,819	723	405	2014	77.0	47.4	103.0	52.3



AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	111.1	119.7	64.1	79.4
2011	107.0	111.1	63.1	73.8
2012	106.3	116.0	58.9	65.1
2013	95.0	103.8	55.4	69.5
2014	84.7	91.6	48.6	59.1

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 BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**54,044**	**84.7**	**32,775**	**105.3**	**21,073**	**64.6**		**38,068**	**81.9**	**15,976**	**92.4**	
< 5	468	13.0	267	14.5	199	11.3	*	369	13.6	99	11.2	*
5-9	838	22.4	532	27.9	304	16.6	*	674	24.2	164	17.1	*
10-14	1,008	25.9	664	33.3	339	17.8	*	773	26.9	235	23.0	*
15-19	4,173	96.1	2,551	115.1	1,600	75.3	*	2,750	87.2	1,423	119.9	*
20-24	6,491	147.7	4,240	190.4	2,214	102.1	*	4,601	144.9	1,890	154.9	*
25-29	4,732	116.4	3,031	147.6	1,683	83.7	*	3,430	109.8	1,302	138.2	*
30-34	3,589	93.9	2,343	122.3	1,238	65.0	*	2,548	88.2	1,041	111.7	*
35-39	3,208	87.8	2,029	111.5	1,173	64.0	*	2,231	82.7	977	102.1	*
40-44	3,629	87.9	2,344	114.3	1,271	61.1	*	2,509	83.2	1,120	100.4	*
45-49	4,103	90.8	2,697	121.0	1,392	60.8	*	2,856	86.9	1,247	101.1	*
50-54	4,170	85.8	2,682	112.3	1,479	59.8	*	2,839	80.6	1,331	99.2	*
55-59	3,721	80.9	2,366	105.3	1,342	57.1	*	2,662	80.8	1,059	81.3	
60-64	3,236	82.1	1,933	101.7	1,297	63.6	*	2,334	83.6	902	78.7	
65-69	2,461	81.2	1,290	90.3	1,155	72.0	*	1,686	79.5	775	84.9	
70-74	2,199	96.7	1,120	108.6	1,074	86.5	*	1,549	98.5	650	92.7	
75-79	2,015	112.2	926	120.1	1,083	105.7	*	1,374	109.6	641	118.1	
80-84	2,051	136.4	895	150.9	1,150	126.3	*	1,462	137.1	589	134.9	
85 +	1,952	121.6	865	168.3	1,080	99.0	*	1,421	122.7	531	118.9	

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

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.
Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**24,987**	**96.4**	**4,133**	**119.2**		**16,578**	**61.3**	**2,416**	**64.2**	
< 5	99	7.2	92	33.3	*	102	7.8	50	18.7	*
5-9	219	14.9	193	71.8	*	157	11.3	83	31.7	*
10-14	343	22.0	185	66.3	*	191	12.9	74	27.8	*
15-19	1,915	110.1	329	102.0		1,235	74.1	176	57.7	*
20-24	3,144	180.3	544	166.2		1,605	94.9	312	97.0	
25-29	2,155	130.7	448	173.7	*	1,234	77.5	271	101.9	*
30-34	1,652	106.7	368	159.3	*	856	56.6	219	89.1	*
35-39	1,469	98.9	297	140.8	*	875	59.4	177	77.7	*
40-44	1,753	102.4	322	142.6	*	957	55.8	167	68.1	*
45-49	2,124	111.7	320	138.1	*	1,096	56.8	182	71.5	*
50-54	2,158	103.8	292	128.7	*	1,189	55.9	165	64.3	
55-59	1,906	96.0	261	134.5	*	1,086	53.1	136	60.2	
60-64	1,578	92.8	184	125.9	*	1,089	60.8	116	63.2	
65-69	1,098	84.9	100	101.9		960	67.2	94	70.8	
70-74	952	101.5	83	122.5	*	945	85.0	55	55.1	*
75-79	826	116.8	48	101.1	*	964	104.1	59	74.7	*
80-84	812	146.9	34	109.2	*	1,032	123.4	48	78.3	*
85 +	784	162.5	33	131.7	*	1,005	98.9	32	49.9	*

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

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

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY SEX, AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**7,576**	**91.5**	**89.5-93.6**	**+**	**4,469**	**113.8**	**2,973**	**73.0**
Carbon	417	130.8	118.3-143.4	+	252	157.1	160	97.4
Lackawanna	794	71.1	66.2-76.1	-	479	92.9	284	51.3
Lehigh	1,688	92.3	87.9-96.7	+	975	113.3	713	78.4
Luzerne	1,278	76.8	72.6-81.0	-	737	93.8	487	59.7
Monroe	935	109.7	102.6-116.7	+	577	138.9	349	81.8
Northampton	1,589	101.6	96.6-106.6	+	949	129.6	639	83.7
Pike	222	78.0	67.7-88.2		118	83.1	96	67.7
Susquehanna	165	78.6	66.6-90.6		97	90.3	63	59.4
Wayne	270	106.1	93.5-118.8	+	151	109.9	109	88.3
Wyoming	218	151.5	131.3-171.6	+	134	189.7	73	103.9
North-Central	**3,046**	**81.7**	**78.8-84.6**		**1,815**	**102.5**	**1,192**	**67.9**
Bradford	370	125.1	112.4-137.9	+	226	146.4	142	89.8
Centre	432	52.2	47.2-57.1	-	259	64.0	168	45.0
Clinton	162	80.0	67.7-92.3		102	105.3	58	57.5
Columbia	345	99.3	88.8-109.8	+	196	121.5	144	82.6
Lycoming	488	79.7	72.6-86.8		294	102.6	181	61.0
Montour	100	106.5	85.6-127.3	+	51	115.5	49	102.2
Northumberland	476	99.0	90.1-107.9	+	293	124.1	176	74.7
Potter	56	67.5	49.8-85.2		30	68.7	26	59.7
Snyder	155	73.9	62.2-85.5		94	95.6	59	58.4
Sullivan	44	140.3	98.8-181.8	+	20	120.5	24	155.2
Tioga	245	114.3	100.0-128.6	+	133	127.5	111	103.3
Union	173	71.8	61.1-82.5		117	94.7	54	53.5
Northwest	**4,024**	**85.3**	**82.6-87.9**	**+**	**2,405**	**105.2**	**1,619**	**69.6**
Cameron	33	120.6	79.4-161.7		11	NSR	22	175.3
Clarion	223	110.6	96.1-125.2	+	134	139.4	89	87.7
Clearfield	443	108.8	98.7-118.9	+	260	123.3	183	93.5
Crawford	411	92.8	83.8-101.8	+	242	112.6	169	75.2
Elk	189	118.4	101.5-135.3	+	111	140.8	78	98.6
Erie	1,153	79.9	75.3-84.5		715	103.6	438	61.6
Forest	37	71.6	48.6-94.7		18	NSR	19	NSR
Jefferson	260	118.4	104.0-132.8	+	158	142.0	102	90.0
Lawrence	341	73.6	65.8-81.4	-	196	90.4	145	62.3
McKean	144	65.1	54.5-75.8	-	89	80.9	55	52.2
Mercer	354	58.9	52.7-65.0	-	207	72.9	147	49.9
Venango	269	101.5	89.4-113.7	+	161	120.9	108	78.1
Warren	167	82.7	70.1-95.2		103	100.0	64	62.1
Southeast	**21,338**	**80.7**	**79.7-81.8**		**13,032**	**105.0**	**8,292**	**62.6**
Berks	1,838	87.1	83.1-91.0	+	1,141	112.5	695	66.1
Bucks	2,562	80.6	77.4-83.7		1,525	99.3	1,037	65.0
Chester	1,512	58.9	55.9-61.8	-	926	74.4	586	45.5
Delaware	2,291	79.6	76.4-82.9		1,365	101.5	926	63.5
Lancaster	1,946	72.1	68.9-75.3	-	1,166	90.6	779	57.9
Montgomery	2,858	67.7	65.3-70.2	-	1,672	85.2	1,185	57.0
Philadelphia	7,481	94.8	92.6-96.9	+	4,745	130.1	2,734	67.1
Schuylkill	850	112.9	105.3-120.5	+	492	131.5	350	96.9
South-Central	**6,636**	**77.2**	**75.4-79.1**	**-**	**4,114**	**99.0**	**2,515**	**58.6**
Adams	422	83.1	75.2-91.1		254	101.7	168	65.2
Bedford	275	113.4	100.0-126.8	+	165	134.3	110	88.7
Blair	542	84.8	77.7-92.0		349	113.2	193	59.3
Cumberland	764	60.9	56.5-65.2	-	461	78.2	303	49.9
Dauphin	977	71.9	67.4-76.4	-	621	95.1	355	51.0
Franklin	448	57.6	52.2-62.9	-	286	77.2	162	41.9
Fulton	75	106.8	82.6-131.0	+	50	134.8	25	68.3
Huntingdon	229	96.4	83.9-108.9	+	139	114.3	89	82.7
Juniata	125	102.0	84.2-119.9	+	74	120.1	51	82.4
Lebanon	635	90.0	83.0-97.0	+	381	115.4	254	73.7
Mifflin	195	85.4	73.4-97.3		124	108.2	68	57.2
Perry	286	128.4	113.5-143.3	+	181	157.6	105	92.0
York	1,663	74.9	71.3-78.5	-	1,029	95.1	632	57.0
Southwest	**11,424**	**81.1**	**79.6-82.5**		**6,940**	**105.5**	**4,482**	**64.6**
Allegheny	4,624	70.7	68.6-72.7	-	2,772	94.0	1,852	58.0
Armstrong	396	120.0	108.2-131.8	+	254	150.2	142	82.2
Beaver	645	73.4	67.8-79.1	-	404	98.2	241	54.9
Butler	864	92.6	86.5-98.8	+	478	104.8	385	82.1
Cambria	648	87.7	81.0-94.5		402	114.9	246	68.8
Fayette	641	93.0	85.8-100.2	+	378	113.5	262	76.1
Greene	60	29.9	22.3-37.4	-	33	33.4	27	29.2
Indiana	401	89.8	81.0-98.5		250	113.6	151	68.1
Somerset	333	83.4	74.5-92.4		208	104.6	125	67.2
Washington	1,042	100.0	93.9-106.1	+	636	125.3	406	76.1
Westmoreland	1,770	97.6	93.0-102.1	+	1,125	127.1	645	69.4
Pennsylvania	**54,044**	**81.9**	**81.2-82.6**		**32,775**	**105.3**	**21,073**	**64.6**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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

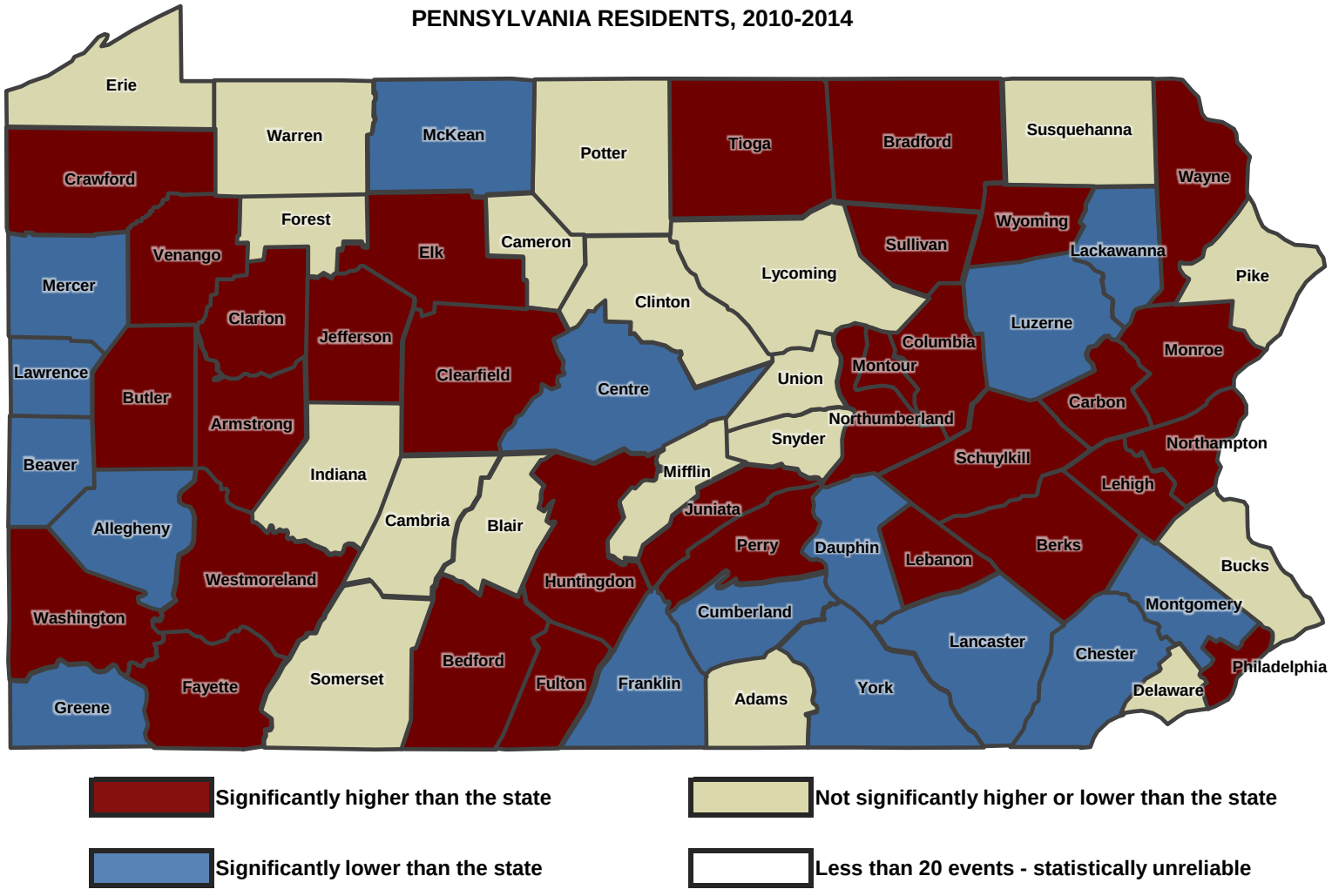
TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND ANNUAL HOSPITALIZATION RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**959**	**49.8**	**1,982**	**139.8**	**1,560**	**98.7**	**1,557**	**90.2**	**1,518**	**112.2**
Carbon	56	77.8	102	200.7	96	145.4	84	111.8	79	130.3
Lackawanna	93	37.5	213	106.3	147	73.6	171	75.2	170	87.5
Lehigh	201	44.0	468	141.0	298	84.3	356	99.7	365	134.5
Luzerne	142	39.2	303	104.7	297	94.7	248	72.5	288	97.8
Monroe	111	50.7	283	198.4	197	113.6	195	102.6	149	127.7
Northampton	175	47.9	419	156.6	319	107.1	336	105.4	340	137.9
Pike	58	85.1	33	85.4	66	113.4	43	64.0	22	42.5
Susquehanna	45	93.4	34	105.8	25	62.4	36	68.4	25	61.8
Wayne	33	62.0	78	195.3	61	117.8	47	73.5	51	98.4
Wyoming	45	135.1	49	206.0	54	200.6	41	126.4	29	118.4
North-Central	**407**	**49.1**	**824**	**106.4**	**562**	**88.7**	**587**	**82.6**	**666**	**115.3**
Bradford	39	50.9	117	239.4	79	134.9	61	86.6	74	127.7
Centre	67	37.7	135	52.2	68	54.8	83	66.6	79	85.5
Clinton	24	48.0	41	97.9	33	97.3	34	87.4	30	91.1
Columbia	39	48.6	90	126.7	62	104.0	81	117.6	73	130.7
Lycoming	54	39.0	126	111.2	100	92.9	91	72.6	117	118.5
Montour	16	75.6	21	132.6	14	84.2	20	95.9	29	164.6
Northumberland	62	59.2	118	144.2	84	92.5	93	89.1	119	132.5
Potter	17	81.8	14	109.3	7	45.0	11	54.6	7	NSR
Snyder	25	47.9	45	120.0	23	61.7	28	69.4	34	106.1
Sullivan	11	189.4	8	NSR	8	NSR	9	NSR	8	NSR
Tioga	30	59.3	69	182.6	51	136.7	47	101.4	48	121.1
Union	23	45.0	40	79.8	33	70.5	29	69.4	48	138.7
Northwest	**572**	**51.7**	**1,055**	**128.5**	**889**	**103.1**	**821**	**81.1**	**687**	**85.0**
Cameron	6	NSR	9	NSR	11	249.7	7	NSR	0	NSR
Clarion	23	49.2	64	152.7	45	131.0	41	100.6	50	147.8
Clearfield	58	66.6	119	167.2	108	126.3	96	107.8	62	84.0
Crawford	44	40.0	120	162.0	81	99.5	95	97.4	71	92.7
Elk	24	68.2	51	230.1	29	90.5	41	109.2	44	142.0
Erie	138	38.3	340	120.8	247	96.4	234	80.2	194	91.9
Forest	11	230.9	9	NSR	11	143.3	6	NSR	0	NSR
Jefferson	58	108.7	68	183.3	70	167.1	39	77.9	25	59.3
Lawrence	40	38.0	64	88.3	81	98.2	73	71.1	83	95.7
McKean	45	88.4	33	86.8	32	75.6	26	56.1	8	NSR
Mercer	36	25.9	84	87.1	70	66.0	81	64.1	83	75.1
Venango	29	46.3	66	157.3	62	125.5	57	86.1	55	107.6
Warren	60	130.9	28	89.7	42	108.7	25	50.3	12	29.6
Southeast	**2,777**	**42.1**	**6,048**	**115.5**	**4,179**	**83.3**	**4,190**	**81.8**	**4,144**	**112.2**
Berks	245	44.8	461	121.7	395	96.7	363	86.9	374	119.6
Bucks	264	34.4	691	135.9	481	74.2	544	75.5	582	119.0
Chester	127	18.5	402	92.4	314	59.2	331	62.0	338	97.5
Delaware	276	37.5	666	122.2	425	79.0	431	74.8	493	120.1
Lancaster	243	33.8	492	98.9	376	77.0	428	83.0	407	98.6
Montgomery	254	25.3	721	100.4	532	63.9	619	72.6	732	115.2
Philadelphia	1,277	64.4	2,401	118.5	1,464	103.1	1,289	95.9	1,050	110.7
Schuylkill	91	56.9	214	170.4	192	126.8	185	114.4	168	122.6
South-Central	**977**	**46.7**	**1,688**	**111.4**	**1,334**	**79.8**	**1,367**	**76.4**	**1,270**	**92.4**
Adams	58	46.6	120	139.5	83	82.4	68	61.6	93	108.0
Bedford	82	143.5	38	102.0	65	134.6	45	81.2	45	92.5
Blair	59	39.5	143	128.2	123	104.5	126	91.3	91	77.8
Cumberland	106	37.3	190	81.2	150	64.0	138	55.4	180	92.3
Dauphin	141	41.6	261	99.4	219	83.4	215	74.1	141	72.2
Franklin	83	42.5	91	70.0	72	48.5	95	62.6	107	81.5
Fulton	25	139.4	15	130.3	17	112.8	8	NSR	10	73.5
Huntingdon	25	48.6	67	155.3	47	101.9	40	82.2	50	125.4
Juniata	22	70.3	30	147.9	23	96.7	22	85.7	28	124.4
Lebanon	84	49.1	157	134.4	102	79.2	127	91.2	165	138.5
Mifflin	26	44.8	54	145.5	36	81.1	39	80.2	40	88.2
Perry	51	89.4	71	185.8	63	133.8	53	100.4	48	141.9
York	215	38.7	451	116.5	334	73.5	391	84.1	272	83.0
Southwest	**1,055**	**34.9**	**3,100**	**123.1**	**2,483**	**97.8**	**2,514**	**82.8**	**2,272**	**94.5**
Allegheny	360	26.5	1,268	98.7	980	87.2	1,083	81.2	933	89.5
Armstrong	41	54.3	111	208.6	102	153.4	84	103.8	58	88.3
Beaver	62	32.6	169	119.3	132	83.4	136	68.5	146	90.2
Butler	87	38.1	235	153.2	194	102.8	170	82.3	178	120.1
Cambria	63	39.9	171	142.1	126	97.2	141	87.0	147	107.2
Fayette	62	41.8	166	145.5	147	110.7	135	86.4	131	103.9
Greene	20	46.5	17	46.9	14	36.2	6	NSR	3	NSR
Indiana	33	30.7	116	117.1	88	121.0	83	91.5	81	112.5
Somerset	37	46.2	86	134.1	60	78.5	78	87.3	72	96.2
Washington	127	53.4	255	148.6	256	127.1	203	84.2	201	106.4
Westmoreland	163	41.4	506	180.2	384	109.8	395	91.0	322	90.3
Pennsylvania	**6,747**	**43.3**	**14,697**	**119.7**	**11,007**	**89.5**	**11,036**	**82.4**	**10,557**	**103.4**

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.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



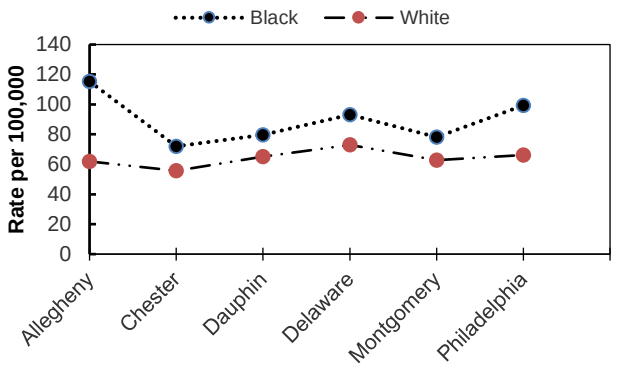
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: MOTOR VEHICLE TRAFFIC

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	919	115.3	107.9-122.8
Chester	117	72.0	59.0-85.0
Dauphin	194	79.7	68.5-90.9
Delaware	534	93.1	85.2-101.0
Montgomery	285	78.1	69.0-87.2
Philadelphia	3,397	99.3	95.9-102.6
Pennsylvania	6,556	90.5	88.3-92.7



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	3,413	62.0	59.9-64.0
Chester	1,258	55.7	52.6-58.8
Dauphin	670	65.0	60.1-70.0
Delaware	1,583	72.9	69.3-76.5
Montgomery	2,220	62.9	60.3-65.5
Philadelphia	2,452	66.2	63.6-68.8
Pennsylvania	41,741	74.7	74.0-75.4

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	569	350	**919**	19.9%	122	48.4	297	165.9	230	159.6	198	131.9	72	77.2
	White	81.4%	2,011	1,402	**3,413**	73.8%	215	21.8	867	86.0	685	74.4	824	71.5	822	88.2
Chester	Black	6.3%	77	40	**117**	7.7%	16	32.4	33	90.4	31	103.7	21	74.2	16	96.9
	White	86.9%	762	496	**1,258**	83.2%	98	17.2	323	88.7	246	53.8	284	58.2	307	95.5
Dauphin	Black	18.5%	123	71	**194**	19.9%	31	37.4	64	124.1	51	106.9	37	83.2	11	47.3
	White	74.2%	418	251	**669**	68.6%	93	43.2	151	80.5	138	70.4	166	70.8	122	73.0
Delaware	Black	20.5%	316	218	**534**	23.3%	107	54.9	187	142.2	120	105.4	79	87.9	41	90.2
	White	72.1%	944	639	**1,583**	69.1%	137	29.4	426	115.9	264	69.5	324	70.8	432	123.1
Montgomery	Black	9.1%	173	112	**285**	10.0%	38	35.6	82	108.7	73	92.1	50	75.3	42	104.8
	White	81.6%	1,288	931	**2,219**	77.7%	160	20.8	534	95.6	389	58.3	502	68.4	635	111.7
Philadelphia	Black	44.1%	2,166	1,231	**3,397**	45.4%	679	67.3	1,119	146.7	699	109.5	579	94.8	321	84.3
	White	44.7%	1,506	944	**2,450**	32.8%	182	25.7	702	70.4	491	79.2	498	80.8	579	113.1
Pennsylvania	Black	11.3%	4,133	2,416	**6,549**	12.1%	1,184	52.7	2,164	131.2	1,466	105.0	1,155	93.6	587	83.1
	White	83.1%	24,987	16,578	**41,565**	77.2%	4,288	35.7	10,699	109.9	8,307	81.3	9,030	77.0	9,417	101.4

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: SELF-POISONING

In 2014, among Pennsylvania residents, there were 6,450 hospitalizations due to self-inflicted poisoning (self-poisoning). On average, one resident was hospitalized every 81½ minutes.

Injury Definition

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

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

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

HIGHLIGHTS

- Age-adjusted rates generally **decreased** from 2010 to 2014.
- Most common demographic is **white females**, ages 35 - 49.
- Of all Pennsylvania counties, **Schuylkill, Montour** and **Carbon** had the highest rates of over 100.

Trends Over Time

- Age-adjusted hospitalization rates for self-poisoning increased by almost 1 percent from 60.8 hospitalizations per 100,000 population in 2010 to 61.3 hospitalizations in 2011. Rates thereafter decreased steadily by 16 percent to 51.7 hospitalizations per 100,000 population in 2014.
- Females had higher age-adjusted self-poisoning hospitalization rates than males from 2010 to 2014 (rates were 63.0 and 40.3 in 2014 for females and males, respectively).
- Rural populations had higher self-poisoning hospitalization rates for ages 15-49, while urban populations generally had higher rates for ages 50 and older.

Demographic Trends

- Females had significantly higher age-adjusted self-poisoning hospitalization rates than males for ages 10-74, while males had significantly higher rates for ages 85 and older.
- Among males, blacks had higher age-adjusted self-poisoning hospitalization rates for ages 40-64.
- Among females, blacks had significantly higher age-adjusted self-poisoning hospitalization rates for ages under 20 where rates could be calculated, while whites had higher rates for ages 20 and older.

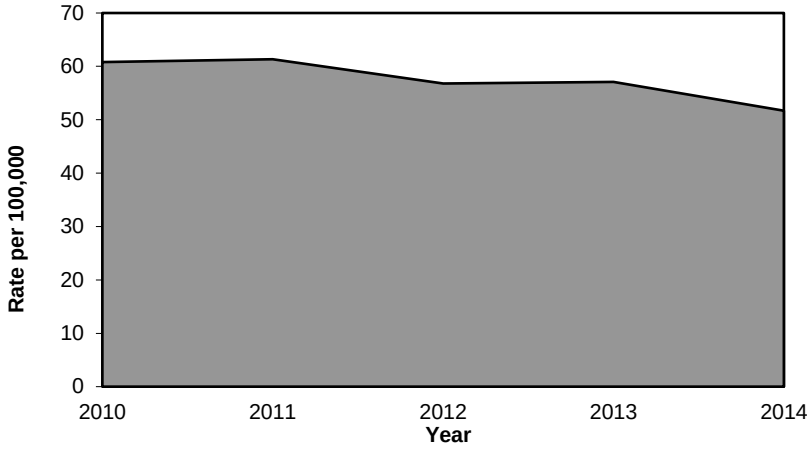
Regional Trends

- 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-two counties had age-adjusted self-poisoning hospitalization rates in 2010 to 2014 that were significantly higher than the comparable state rate; 13 were rural counties, while nine were urban counties.

INJURY HOSPITALIZATIONS: SELF-POISONING

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, 2010-2014

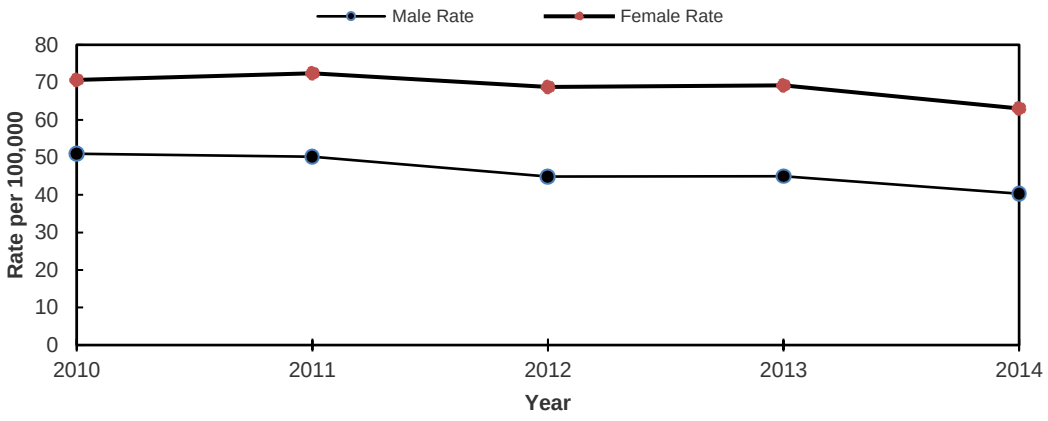
Year	No.	Rate
2010	7,527	60.8
2011	7,583	61.3
2012	7,026	56.8
2013	7,057	57.1
2014	6,450	51.7



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

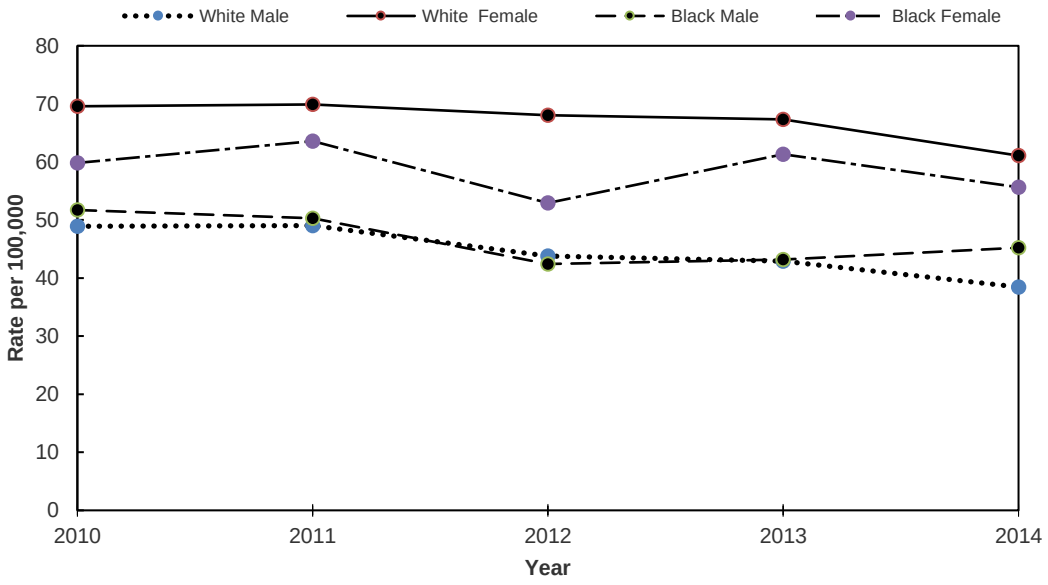
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	3,128	51.0	2010	4,398	70.6
2011	3,079	50.2	2011	4,503	72.4
2012	2,772	44.9	2012	4,254	68.8
2013	2,778	45.0	2013	4,274	69.2
2014	2,508	40.3	2014	3,938	63.0



INJURY HOSPITALIZATIONS: SELF-POISONING

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND HOSPITALIZATION RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates				
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	2,447	3,507	342	435	2010	48.9	69.6	51.7	59.8
2011	2,521	3,616	343	479	2011	49.0	69.9	50.3	63.6
2012	2,262	3,481	294	399	2012	43.8	68.1	42.4	52.9
2013	2,221	3,429	298	465	2013	42.9	67.4	43.2	61.3
2014	1,986	3,143	320	428	2014	38.5	61.1	45.2	55.7



AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	51.2	50.8	66.7	82.2
2011	49.6	52.1	69.3	82.0
2012	44.9	45.6	66.5	76.1
2013	45.9	43.2	67.6	74.3
2014	40.6	40.0	62.3	65.7

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: SELF-POISONING

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**35,643**	**55.9**	**14,265**	**45.8**	**21,367**	**65.5**		**25,761**	**55.4**	**9,882**	**57.2**	
< 5	6	NSR	4	NSR	2	NSR		6	NSR	0	NSR	
5-9	10	0.3	5	NSR	5	NSR		10	0.4	0	NSR	
10-14	585	15.0	107	5.4	478	25.1	*	440	15.3	145	14.2	
15-19	3,287	75.7	1,066	48.1	2,219	104.4	*	2,286	72.5	1,001	84.4	*
20-24	4,064	92.5	1,701	76.4	2,362	108.9	*	2,920	92.0	1,144	93.7	
25-29	3,703	91.1	1,533	74.6	2,170	107.9	*	2,649	84.8	1,054	111.9	*
30-34	3,443	90.1	1,452	75.8	1,988	104.3	*	2,450	84.8	993	106.5	*
35-39	3,356	91.9	1,386	76.1	1,968	107.3	*	2,323	86.2	1,033	107.9	*
40-44	3,861	93.5	1,552	75.7	2,309	111.0	*	2,816	93.4	1,045	93.7	
45-49	4,283	94.8	1,744	78.2	2,538	110.8	*	3,084	93.8	1,199	97.2	
50-54	3,595	73.9	1,479	61.9	2,116	85.5	*	2,675	76.0	920	68.5	*
55-59	2,344	51.0	995	44.3	1,348	57.4	*	1,761	53.5	583	44.8	*
60-64	1,299	33.0	532	28.0	766	37.6	*	972	34.8	327	28.5	*
65-69	735	24.2	298	20.9	437	27.2	*	523	24.7	212	23.2	
70-74	391	17.2	144	14.0	247	19.9	*	295	18.8	96	13.7	*
75-79	294	16.4	112	14.5	182	17.8		236	18.8	58	10.7	*
80-84	209	13.9	83	14.0	126	13.8		176	16.5	33	7.6	*
85 +	178	11.1	72	14.0	106	9.7	*	139	12.0	39	8.7	*

* 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: SELF-POISONING

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**11,437**	**44.1**	**1,597**	**46.1**		**17,176**	**63.5**	**2,206**	**58.6**	
< 5	1	NSR	2	NSR		0	NSR	2	NSR	
5-9	0	NSR	3	NSR		0	NSR	5	NSR	
10-14	61	3.9	18	6.5	*	300	20.3	72	27.0	*
15-19	816	46.9	105	32.6	*	1,544	92.7	317	104.0	*
20-24	1,315	75.4	187	57.1	*	1,759	104.0	299	92.9	
25-29	1,217	73.8	182	70.6		1,714	107.7	246	92.5	*
30-34	1,183	76.4	142	61.5	*	1,560	103.1	231	94.0	
35-39	1,088	73.3	155	73.5		1,608	109.2	189	83.0	*
40-44	1,210	70.7	218	96.6	*	1,871	109.2	237	96.7	
45-49	1,386	72.9	218	94.1	*	2,135	110.6	239	93.9	*
50-54	1,223	58.9	183	80.7	*	1,824	85.8	177	68.9	*
55-59	837	42.2	113	58.3	*	1,174	57.4	107	47.3	
60-64	453	26.6	47	32.1	*	690	38.5	40	21.8	*
65-69	269	20.8	12	12.2	*	389	27.2	19	14.3	*
70-74	128	13.7	7	NSR		220	19.8	17	17.0	
75-79	104	14.7	2	NSR		169	18.3	4	NSR	
80-84	78	14.1	2	NSR		119	14.2	3	NSR	
85 +	68	14.1	1	NSR		100	9.8	2	NSR	

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

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

INJURY HOSPITALIZATIONS: SELF-POISONING

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY SEX, AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**5,134**	**67.1**	**65.2-68.9**	**+**	**2,009**	**51.1**	**3,114**	**76.4**
Carbon	298	100.5	89.1-111.9	+	127	79.2	171	104.1
Lackawanna	761	75.7	70.3-81.1	+	261	50.6	495	89.4
Lehigh	1,232	72.3	68.3-76.3	+	499	58.0	733	80.6
Luzerne	704	46.0	42.6-49.4	-	283	36.0	419	51.4
Monroe	745	89.6	83.2-96.0	+	287	69.1	458	107.4
Northampton	1,039	71.9	67.5-76.3	+	425	58.0	614	80.4
Pike	87	32.7	25.8-39.5	-	26	18.3	60	42.3
Susquehanna	69	37.9	28.9-46.8	-	29	27.0	40	37.7
Wayne	147	63.0	52.8-73.2		56	40.8	89	72.1
Wyoming	52	38.9	28.3-49.	-	16	NSR	35	49.8
North-Central	**1,966**	**57.2**	**54.7-59.7**		**733**	**41.4**	**1,233**	**70.3**
Bradford	273	99.9	88.1-111.8	+	96	62.2	177	112.0
Centre	392	50.0	45.1-55.0	-	123	30.4	269	72.1
Clinton	65	34.1	25.8-42.4	-	26	26.8	39	38.7
Columbia	194	63.8	54.8-72.7		72	44.6	122	70.0
Lycoming	272	48.4	42.6-54.1	-	116	40.5	156	52.6
Montour	88	104.6	82.8-126.5	+	29	65.7	59	123.0
Northumberland	400	92.3	83.2-101.3	+	158	66.9	242	102.7
Potter	28	36.8	23.2-50.4	-	11	NSR	17	NSR
Snyder	79	41.9	32.7-51.1	-	31	31.5	48	47.5
Sullivan	19	NSR			9	NSR	10	NSR
Tioga	75	39.1	30.3-48.0	-	31	29.7	44	41.0
Union	81	34.4	26.9-41.9	-	31	25.1	50	49.6
Northwest	**2,927**	**68.9**	**66.4-71.4**	**+**	**1,180**	**51.6**	**1,747**	**75.1**
Cameron	21	90.0	51.5-128.5		9	NSR	12	NSR
Clarion	46	26.3	18.7-33.8	-	15	NSR	31	30.6
Clearfield	187	48.6	41.6-55.6	-	94	44.6	93	47.5
Crawford	250	63.1	55.2-70.9		105	48.9	145	64.5
Elk	113	87.4	71.3-103.5	+	54	68.5	59	74.6
Erie	1,166	86.9	81.9-91.8	+	450	65.2	716	100.7
Forest	15	NSR			8	NSR	7	NSR
Jefferson	89	44.8	35.5-54.1	-	39	35.1	50	44.1
Lawrence	214	53.4	46.2-60.5		88	40.6	126	54.1
McKean	121	57.8	47.5-68.1		38	34.6	83	78.8
Mercer	399	78.2	70.5-85.9	+	174	61.3	225	76.3
Venango	147	63.1	52.9-73.3		56	42.1	91	65.8
Warren	159	87.5	73.9-101.1	+	50	48.6	109	105.8
Southeast	**14,025**	**55.1**	**54.2-56.0**	**-**	**5,863**	**47.2**	**8,162**	**61.6**
Berks	1,200	59.4	56.0-62.8		451	44.5	749	71.3
Bucks	1,810	59.9	57.2-62.7		756	49.2	1,054	66.0
Chester	839	33.9	31.6-36.2	-	315	25.3	524	40.7
Delaware	1,692	60.7	57.8-63.6	+	751	55.8	941	64.5
Lancaster	1,211	48.5	45.8-51.2	-	469	36.4	742	55.1
Montgomery	1,824	46.0	43.9-48.1	-	683	34.8	1,141	54.9
Philadelphia	4,629	60.3	58.6-62.1	+	2,085	57.2	2,544	62.4
Schuylkill	820	122.4	114.0-130.8	+	353	94.3	467	129.3
South-Central	**4,399**	**54.5**	**52.9-56.1**	**-**	**1,736**	**41.8**	**2,663**	**62.1**
Adams	153	31.6	26.6-36.7	-	53	21.2	100	38.8
Bedford	77	36.0	28.0-44.0	-	30	24.4	47	37.9
Blair	447	76.4	69.3-83.5	+	157	50.9	290	89.1
Cumberland	531	45.8	41.9-49.6	-	218	37.0	313	51.5
Dauphin	714	54.2	50.2-58.2		315	48.2	399	57.3
Franklin	401	56.1	50.6-61.6		113	30.5	288	74.5
Fulton	20	30.6	17.2-44.0	-	9	NSR	11	NSR
Huntingdon	119	51.5	42.3-60.8		43	35.4	76	70.7
Juniata	41	35.7	24.8-46.6	-	17	27.6	24	38.8
Lebanon	235	38.7	33.7-43.6	-	95	28.8	140	40.6
Mifflin	136	64.7	53.8-75.6		53	46.3	83	69.8
Perry	126	57.6	47.5-67.6		42	36.6	84	73.6
York	1,399	65.7	62.3-69.2	+	591	54.6	808	72.9
Southwest	**7,192**	**55.9**	**54.6-57.2**	**-**	**2,744**	**41.7**	**4,448**	**64.1**
Allegheny	3,052	50.4	48.6-52.2	-	1,178	39.9	1,874	58.7
Armstrong	140	46.3	38.7-54.0	-	52	30.8	88	51.0
Beaver	581	75.9	69.7-82.0	+	224	54.4	357	81.3
Butler	271	30.9	27.2-34.5	-	104	22.8	167	35.6
Cambria	449	69.6	63.2-76.1	+	190	54.3	259	72.5
Fayette	453	73.8	67.0-80.6	+	171	51.3	282	81.9
Greene	103	55.2	44.6-65.9		45	45.6	58	62.8
Indiana	269	67.1	59.0-75.1	+	115	52.3	154	69.4
Somerset	204	57.0	49.1-64.8		89	44.8	115	61.8
Washington	528	55.4	50.7-60.2		212	41.8	316	59.2
Westmoreland	1,142	70.7	66.6-74.9	+	364	41.1	778	83.7
Pennsylvania	**35,643**	**57.5**	**57.0-58.1**		**14,265**	**45.8**	**21,367**	**65.5**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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

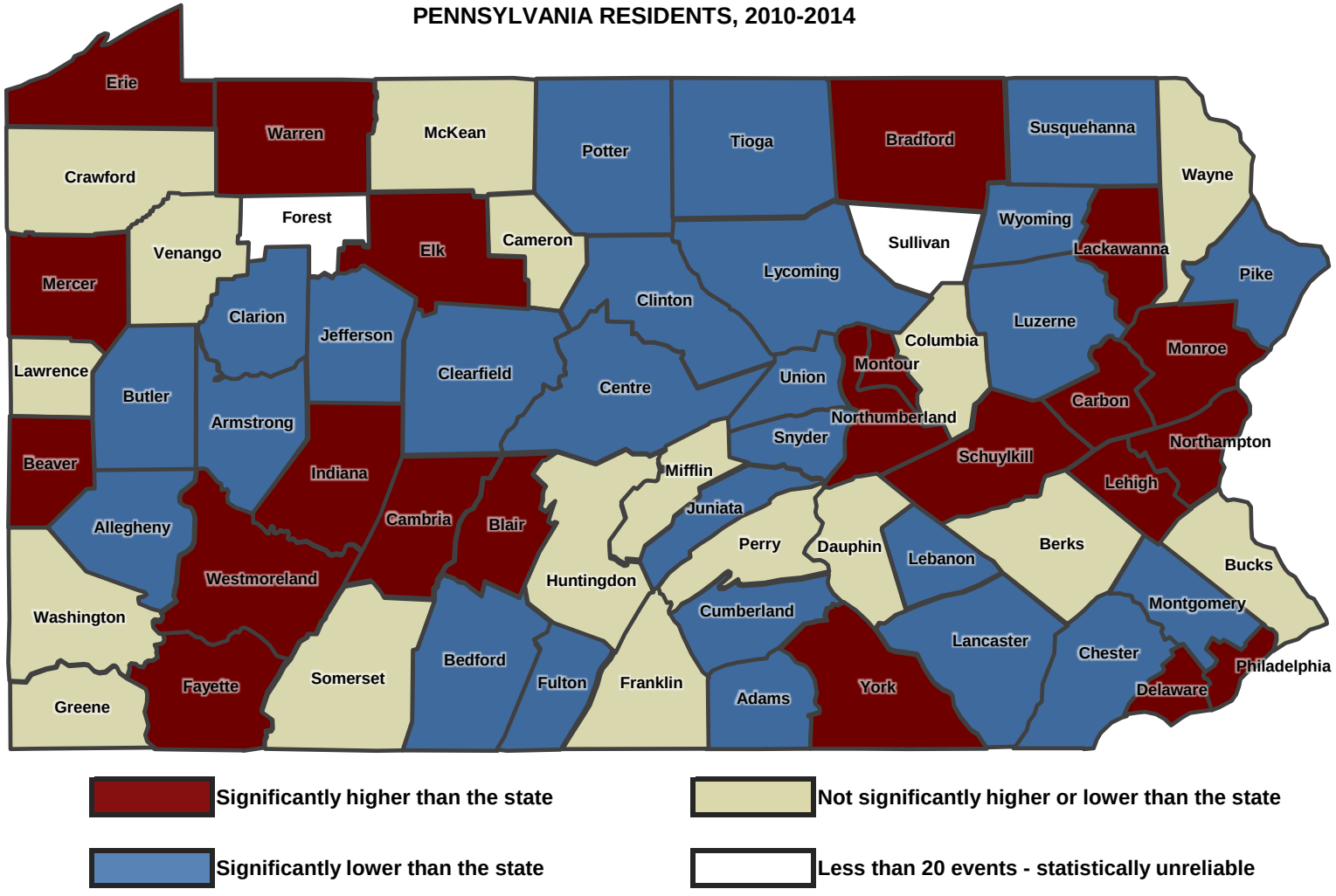
TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND ANNUAL HOSPITALIZATION RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**1,757**	**91.2**	**1,534**	**108.2**	**1,400**	**88.6**	**345**	**20.0**	**98**	**7.2**
Carbon	82	113.9	102	200.7	91	137.8	20	26.6	3	NSR
Lackawanna	253	102.1	240	119.8	193	96.7	61	26.8	14	7.2
Lehigh	433	94.8	379	114.2	318	90.0	74	20.7	28	10.3
Luzerne	242	66.9	208	71.9	193	61.5	52	15.2	9	NSR
Monroe	266	121.4	183	128.3	221	127.4	57	30.0	18	15.4
Northampton	345	94.5	316	118.1	297	99.8	56	17.6	25	10.1
Pike	36	52.8	19	49.2	26	44.7	6	NSR	0	NSR
Susquehanna	19	39.5	30	93.4	15	37.4	4	NSR	1	NSR
Wayne	54	101.5	45	112.7	35	67.6	13	20.3	0	NSR
Wyoming	27	81.1	12	50.5	11	40.9	2	NSR	0	NSR
North-Central	**797**	**96.1**	**556**	**71.8**	**556**	**87.8**	**479**	**67.4**	**117**	**20.3**
Bradford	124	161.8	68	139.1	68	116.1	68	96.5	11	19.0
Centre	173	97.2	102	39.4	102	82.1	90	72.2	23	24.9
Clinton	35	70.0	16	38.2	16	47.2	9	NSR	5	NSR
Columbia	65	81.0	63	88.7	63	105.7	55	79.9	11	19.7
Lycoming	88	63.6	78	68.9	78	72.5	84	67.0	17	17.2
Montour	26	122.8	27	170.5	27	162.4	29	139.1	6	34.1
Northumberland	152	145.1	108	132.0	108	119.0	102	97.7	32	35.6
Potter	14	67.4	9	NSR	9	NSR	4	NSR	1	NSR
Snyder	37	70.8	27	72.0	27	72.5	9	NSR	6	NSR
Sullivan	7	NSR	12	263.9	12	233.2	0	NSR	0	NSR
Tioga	39	77.0	21	55.6	21	56.3	14	30.2	1	NSR
Union	37	72.4	25	49.9	25	53.4	15	35.9	4	NSR
Northwest	**995**	**89.9**	**973**	**118.5**	**772**	**89.5**	**158**	**15.6**	**29**	**3.6**
Cameron	9	NSR	8	NSR	4	NSR	0	NSR	0	NSR
Clarion	14	29.9	18	42.9	10	29.1	4	NSR	0	NSR
Clearfield	51	58.5	65	91.4	54	63.2	14	15.7	3	NSR
Crawford	98	89.0	80	108.0	55	67.5	16	16.4	1	NSR
Elk	41	116.5	46	207.5	21	65.5	4	NSR	1	NSR
Erie	425	117.9	366	130.1	307	119.9	54	18.5	14	6.6
Forest	4	NSR	7	NSR	4	NSR	0	NSR	0	NSR
Jefferson	25	46.9	40	107.8	13	31.0	11	22.0	0	NSR
Lawrence	63	59.9	73	100.7	62	75.1	14	13.6	2	NSR
McKean	44	86.4	26	68.4	41	96.8	10	21.6	0	NSR
Mercer	125	89.8	141	146.2	114	107.5	15	11.9	4	NSR
Venango	48	76.6	50	119.2	40	80.9	7	NSR	2	NSR
Warren	48	104.7	53	169.8	47	121.6	9	NSR	2	NSR
Southeast	**3,073**	**46.6**	**4,020**	**76.8**	**4,393**	**87.6**	**1,996**	**39.0**	**543**	**14.7**
Berks	157	28.7	342	90.3	375	91.8	254	60.8	72	23.0
Bucks	590	76.9	492	96.7	557	86.0	123	17.1	48	9.8
Chester	208	30.3	230	52.9	246	46.4	117	21.9	38	11.0
Delaware	378	51.4	441	80.9	570	106.0	243	42.2	60	14.6
Lancaster	389	54.1	342	68.8	374	76.6	82	15.9	24	5.8
Montgomery	639	63.7	450	62.6	521	62.6	153	17.9	61	9.6
Philadelphia	414	20.9	1,453	71.7	1,552	109.3	981	73.0	229	24.1
Schuylkill	298	186.4	270	215.0	198	130.8	43	26.6	11	8.0
South-Central	**1,392**	**66.5**	**1,329**	**87.7**	**1,305**	**78.1**	**308**	**17.2**	**65**	**4.7**
Adams	49	39.4	43	50.0	49	48.7	11	10.0	1	NSR
Bedford	21	36.7	33	88.6	17	35.2	6	NSR	0	NSR
Blair	153	102.4	133	119.2	121	102.8	38	27.5	2	NSR
Cumberland	185	65.0	162	69.2	146	62.3	25	10.0	13	6.7
Dauphin	214	63.2	214	81.5	225	85.7	51	17.6	10	5.1
Franklin	128	65.6	113	86.9	118	79.5	35	23.1	7	NSR
Fulton	10	55.8	8	NSR	2	NSR	0	NSR	0	NSR
Huntingdon	41	79.8	26	60.3	40	86.7	9	NSR	3	NSR
Juniata	18	57.6	10	49.3	9	NSR	4	NSR	0	NSR
Lebanon	77	45.0	83	71.1	54	41.9	16	11.5	5	NSR
Mifflin	46	79.3	43	115.8	37	83.4	10	20.6	0	NSR
Perry	28	49.1	46	120.4	43	91.4	9	NSR	0	NSR
York	422	75.9	415	107.2	444	97.8	94	20.2	24	7.3
Southwest	**1,577**	**52.2**	**2,336**	**92.7**	**2,093**	**82.4**	**958**	**31.6**	**228**	**9.5**
Allegheny	279	20.5	935	72.8	971	86.4	703	52.7	164	15.7
Armstrong	40	53.0	52	97.7	37	55.6	9	NSR	2	NSR
Beaver	194	102.0	193	136.3	148	93.5	40	20.1	6	NSR
Butler	83	36.4	93	60.6	68	36.0	21	10.2	6	NSR
Cambria	158	100.0	136	113.0	121	93.4	28	17.3	6	NSR
Fayette	162	109.2	133	116.6	139	104.6	18	11.5	1	NSR
Greene	31	72.0	37	102.0	28	72.5	7	NSR	0	NSR
Indiana	81	75.5	94	94.9	77	105.9	17	18.7	0	NSR
Somerset	52	65.0	76	118.5	56	73.2	14	15.7	6	NSR
Washington	151	63.4	187	108.9	151	74.9	30	12.4	9	NSR
Westmoreland	346	87.9	400	142.5	297	84.9	71	16.4	28	7.9
Pennsylvania	**9,591**	**61.6**	**10,748**	**87.5**	**10,519**	**85.5**	**4,244**	**31.7**	**1,080**	**10.6**

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: SELF-POISONING

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



Significantly higher than the state

Not significantly higher or lower than the state

Significantly lower than the state

Less than 20 events - statistically unreliable

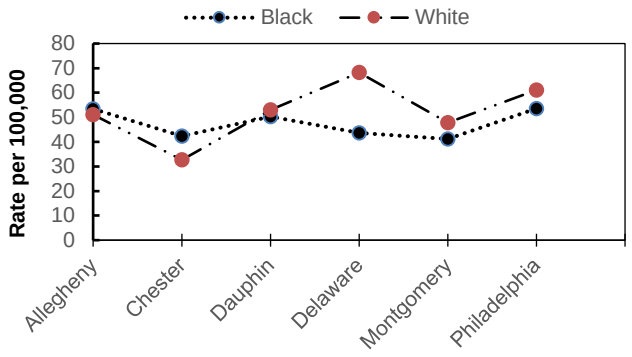
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: SELF-POISONING

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	430	53.4	48.3-58.4
Chester	72	42.4	32.6-52.2
Dauphin	121	50.2	41.3-59.2
Delaware	255	43.7	38.3-49.0
Montgomery	154	41.2	34.7-47.7
Philadelphia	1,766	53.6	51.1-56.0
Pennsylvania	3,803	52.5	50.8-54.1



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	2,520	51.0	49.0-53.0
Chester	704	32.7	30.2-35.1
Dauphin	530	53.0	48.5-57.5
Delaware	1,355	68.2	64.6-71.8
Montgomery	1,541	47.8	45.5-50.2
Philadelphia	2,165	61.1	58.5-63.7
Pennsylvania	28,623	55.9	55.2-56.5

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	138	292	**430**	14.1%	70	27.8	148	82.7	129	89.5	77	51.3	6	NSR
	White	81.4%	997	1,523	**2,520**	82.6%	194	19.6	746	74.0	816	88.7	615	53.3	149	16.0
Chester	Black	6.3%	24	48	**72**	8.6%	14	28.3	33	90.4	16	53.5	9	NSR	0	NSR
	White	86.9%	268	436	**704**	83.9%	72	12.7	224	61.5	200	43.7	156	32.0	52	16.2
Dauphin	Black	18.5%	51	70	**121**	16.9%	23	27.7	34	65.9	47	98.6	14	31.5	3	NSR
	White	74.2%	234	296	**530**	74.2%	33	15.3	156	83.2	177	90.3	134	57.1	30	18.0
Delaware	Black	20.5%	108	147	**255**	15.1%	47	24.1	83	63.1	67	58.9	49	54.5	9	NSR
	White	72.1%	601	754	**1,355**	80.1%	115	24.6	398	108.3	421	110.8	329	71.9	92	26.2
Montgomery	Black	9.1%	56	98	**154**	8.4%	27	25.3	56	74.2	50	63.1	20	30.1	1	NSR
	White	81.6%	585	956	**1,541**	84.5%	188	24.5	434	77.7	412	61.7	383	52.1	124	21.8
Philadelphia	Black	44.1%	781	985	**1,766**	38.2%	195	19.3	530	69.5	653	102.3	343	56.2	45	11.8
	White	44.7%	1,029	1,136	**2,165**	46.8%	86	12.2	670	67.2	685	110.4	560	90.8	164	32.0
Pennsylvania	Black	11.3%	1,597	2,206	**3,803**	10.7%	524	23.3	1,287	78.0	1,256	90.0	667	54.1	69	9.8
	White	83.1%	11,437	17,176	**28,613**	80.3%	2,724	22.7	8,752	89.9	9,300	91.0	6,203	52.9	1,644	17.7

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL INJURIES

In 2014, among Pennsylvania residents, there were 112,936 hospitalizations due to unintentional injury. On average, one resident was hospitalized every five minutes.

Injury Definition

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

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

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

HIGHLIGHTS

- Age-adjusted rates generally **decreased** from 2010 to 2014.
- Most common demographic is **white females**, 85 and older.
- Of all Pennsylvania counties, **Carbon** and **Philadelphia** had the highest rates.

Trends Over Time

- Age-adjusted hospitalization rates for unintentional injury decreased by 12 percent from 829.5 hospitalizations per 100,000 population in 2010 to 726.9 hospitalizations per 100,000 population in 2014.
- Males had higher age-adjusted hospitalization rates than females during 2010 to 2014 (2014 rates were 786.8 for males and 658.7 for females).
- Urban populations had significantly higher age-adjusted unintentional hospitalization rates than rural populations for ages 40 and older, while rural populations had significantly higher rates for ages under 10.

Demographic Trends

- Males had significantly higher hospitalization rates for unintentional injury than females for ages less than 70, while females had significantly higher rates for ages 70 and older.
- Among males, blacks had significantly higher hospitalization rates for ages under 75, while whites had significantly higher rates for ages 80 and older.
- Among females, blacks had significantly higher hospitalization rates for ages under 65, while whites had significantly higher rates for ages 70 and older.

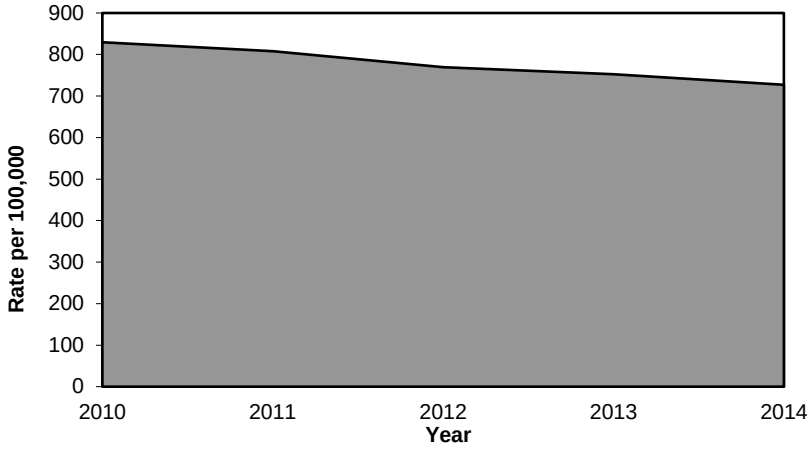
Regional Trends

- 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-three counties had age-adjusted unintentional injury hospitalization rates in 2010 to 2014 that were significantly higher than the comparable state rate. These counties occurred in all health districts except the South-Central Health District. The majority of these counties were rural.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, 2010-2014

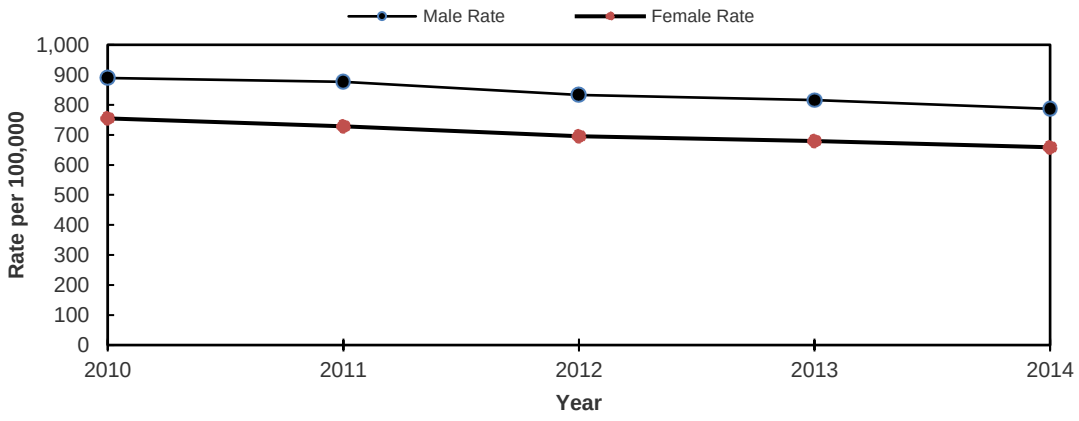
Year	No.	Rate
2010	123,901	829.5
2011	121,857	808.2
2012	116,781	769.5
2013	115,436	752.5
2014	112,936	726.9



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

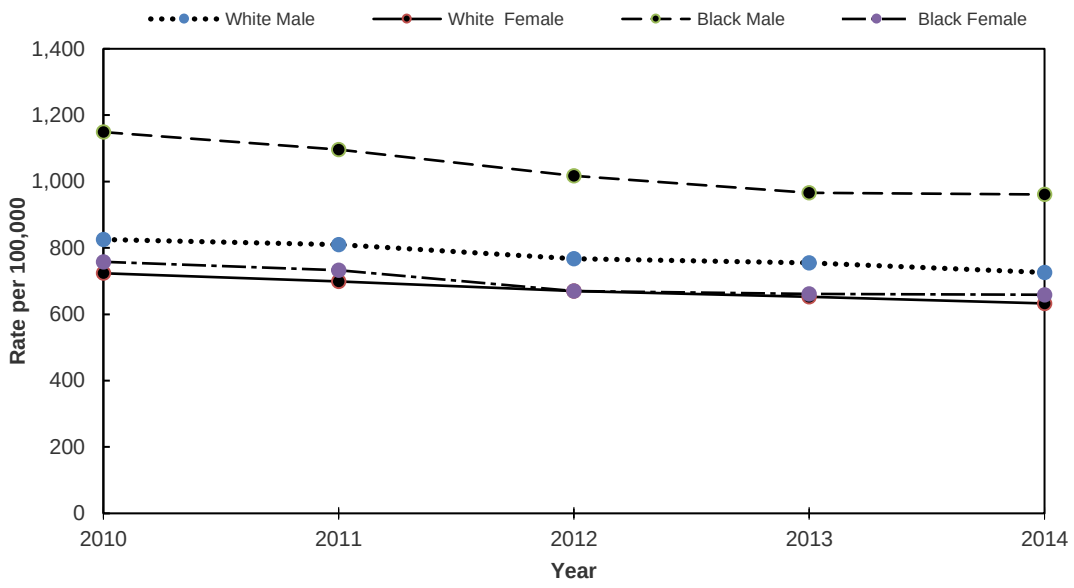
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	57,483	889.5	2010	66,382	755.0
2011	57,435	877.1	2011	64,360	728.3
2012	54,989	833.4	2012	61,697	695.1
2013	54,575	816.3	2013	60,746	679.6
2014	53,370	786.8	2014	59,447	658.7



INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND HOSPITALIZATION RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates				
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	46,238	57,029	6,649	5,408	2010	825.3	723.6	1,149.0	758.1
2011	46,819	55,945	6,641	5,417	2011	809.9	699.0	1,096.3	733.1
2012	44,633	53,750	6,254	5,029	2012	767.8	670.3	1,017.1	670.1
2013	44,496	52,741	6,061	5,049	2013	754.8	652.4	966.6	661.7
2014	43,461	51,435	6,026	5,100	2014	726.0	632.7	961.0	658.9



AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	911.8	836.2	764.1	732.0
2011	898.4	826.8	742.4	692.5
2012	857.3	775.6	707.6	662.7
2013	841.0	756.1	692.6	646.7
2014	812.8	724.6	673.5	620.3

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

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**590,990**	**926.8**	**277,893**	**892.6**	**312,670**	**958.0**		**434,030**	**933.6**	**156,960**	**908.3**	
< 5	6,721	186.5	3,974	215.7	2,731	155.0	*	5,371	197.6	1,350	152.5	*
5-9	5,426	145.2	3,264	171.0	2,151	117.6	*	4,298	154.6	1,128	118.0	*
10-14	6,852	176.0	4,688	235.4	2,154	113.2	*	5,002	174.1	1,850	181.1	
15-19	13,524	311.6	9,028	407.4	4,462	210.0	*	9,533	302.2	3,991	336.3	*
20-24	18,866	429.2	12,468	559.7	6,348	292.8	*	13,851	436.2	5,015	410.9	*
25-29	17,743	436.5	11,251	547.8	6,466	321.5	*	13,381	428.5	4,362	463.0	*
30-34	16,854	441.0	10,669	556.9	6,168	323.7	*	12,504	432.8	4,350	466.7	*
35-39	16,531	452.5	10,214	561.1	6,306	344.0	*	12,273	455.2	4,258	444.8	
40-44	21,498	520.5	13,200	643.6	8,273	397.9	*	15,943	528.8	5,555	498.1	*
45-49	28,956	640.7	17,689	793.3	11,238	490.8	*	21,669	659.4	7,287	590.9	*
50-54	35,947	739.3	21,102	883.5	14,822	599.1	*	26,842	762.5	9,105	678.3	*
55-59	38,928	846.9	21,824	970.9	17,078	727.0	*	29,054	881.9	9,874	758.3	*
60-64	39,249	996.4	20,509	1,078.8	18,721	918.5	*	28,850	1,033.0	10,399	907.1	*
65-69	38,944	1,284.2	18,735	1,311.7	20,178	1,257.8	*	28,061	1,323.5	10,883	1,192.9	*
70-74	41,424	1,822.4	18,323	1,776.2	23,085	1,859.5	*	29,568	1,880.8	11,856	1,691.4	*
75-79	50,425	2,807.8	19,931	2,584.3	30,472	2,973.8	*	36,157	2,885.4	14,268	2,628.7	*
80-84	67,047	4,459.8	24,044	4,054.8	42,977	4,720.7	*	48,715	4,567.0	18,332	4,198.0	*
85 +	126,055	7,855.4	36,980	7,197.2	89,040	8,162.2	*	92,958	8,026.2	33,097	7,412.3	*

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

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.
Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**225,678**	**870.7**	**31,639**	**912.3**		**270,931**	**1,001.8**	**26,009**	**690.7**	
< 5	1,987	144.1	971	351.5	*	1,347	102.8	671	250.5	*
5-9	1,808	123.3	738	274.5	*	1,243	89.2	437	166.8	*
10-14	3,142	201.4	828	296.8	*	1,443	97.4	363	136.2	*
15-19	6,600	379.6	1,377	426.9	*	3,285	197.1	641	210.3	
20-24	9,161	525.4	1,807	552.1	*	4,547	268.9	1,078	335.1	*
25-29	8,188	496.4	1,671	647.9	*	4,760	299.1	1,053	396.0	*
30-34	7,721	498.6	1,655	716.2	*	4,429	292.7	1,080	439.3	*
35-39	7,358	495.4	1,665	789.5	*	4,664	316.6	1,078	473.1	*
40-44	9,725	568.2	2,135	945.6	*	6,131	357.8	1,418	578.4	*
45-49	13,376	703.6	2,874	1,240.2	*	8,610	446.0	1,854	728.1	*
50-54	16,208	780.0	3,346	1,475.1	*	11,788	554.5	2,238	871.7	*
55-59	17,312	872.3	3,197	1,648.1	*	13,963	682.6	2,246	993.6	*
60-64	16,728	983.7	2,561	1,751.7	*	15,844	884.1	1,957	1,065.7	*
65-69	15,870	1,227.8	1,818	1,853.4	*	17,604	1,233.0	1,638	1,233.0	
70-74	15,931	1,699.0	1,482	2,187.6	*	20,449	1,839.2	1,569	1,572.5	*
75-79	17,830	2,521.2	1,236	2,603.3		27,605	2,982.2	1,726	2,185.0	*
80-84	22,086	3,995.2	1,056	3,391.2	*	39,772	4,757.5	1,818	2,966.5	*
85 +	34,647	7,181.0	1,222	4,877.1	*	83,447	8,215.1	3,144	4,900.6	*

* 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.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY SEX, AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**77,446**	**789.5**	**784.0-795.1**	**+**	**35,345**	**899.8**	**41,840**	**1,026.7**
Carbon	4,127	1,029.7	998.2-1,061.1	+	1,934	1,205.6	2,187	1,331.8
Lackawanna	10,675	765.2	750.7-779.7		4,563	884.6	6,024	1,087.5
Lehigh	16,463	792.0	779.9-804.1	+	7,644	888.1	8,818	969.2
Luzerne	15,009	713.3	701.9-724.7	-	6,342	807.0	8,579	1,051.8
Monroe	6,602	751.8	733.7-769.9	-	3,309	796.4	3,284	770.0
Northampton	17,981	969.4	955.3-983.6	+	8,353	1,140.4	9,626	1,260.8
Pike	1,268	390.8	369.3-412.3	-	649	456.9	602	424.4
Susquehanna	1,545	595.9	566.2-625.6	-	730	679.3	805	759.5
Wayne	2,329	730.4	700.8-760.1	-	1,132	824.2	1,173	950.7
Wyoming	1,447	878.3	833.0-923.5	+	689	975.2	742	1,055.6
North-Central	**27,039**	**648.0**	**640.3-655.8**	**-**	**12,808**	**723.4**	**14,130**	**805.1**
Bradford	3,109	842.3	812.7-871.9	+	1,511	978.8	1,590	1,006.0
Centre	4,728	628.7	610.8-646.6	-	2,176	537.6	2,542	681.0
Clinton	1,345	572.2	541.6-602.8	-	646	667.0	691	685.4
Columbia	2,969	750.9	723.9-777.9		1,341	831.1	1,614	926.3
Lycoming	4,906	678.9	659.9-697.9	-	2,263	790.0	2,623	883.6
Montour	831	716.4	667.7-765.1	-	366	829.0	464	967.7
Northumberland	4,201	698.2	677.1-719.3	-	2,050	868.6	2,136	906.9
Potter	584	524.6	482.1-567.2	-	269	615.9	312	717.0
Snyder	1,200	519.2	489.8-548.6	-	590	599.9	605	598.9
Sullivan	416	928.8	839.5-1,018.0	+	204	1,229.4	210	1,358.0
Tioga	1,402	562.3	532.8-591.7	-	701	672.1	696	648.0
Union	1,348	506.2	479.2-533.2	-	691	559.1	647	641.3
Northwest	**44,134**	**770.7**	**763.5-777.9**		**20,600**	**901.0**	**23,532**	**1,012.2**
Cameron	347	989.4	885.3-1,093.6	+	163	1,338.6	184	1,466.4
Clarion	1,976	851.9	814.3-889.4	+	974	1,012.9	1,002	987.5
Clearfield	3,708	735.7	712.0-759.3	-	1,753	831.4	1,953	997.5
Crawford	3,952	759.0	735.3-782.6		1,868	869.4	2,084	927.1
Elk	1,826	876.4	836.2-916.6	+	854	1,083.6	972	1,228.7
Erie	10,897	677.2	664.4-689.9	-	5,183	751.3	5,714	803.6
Forest	388	810.0	729.4-890.6		196	767.0	192	1,527.7
Jefferson	2,407	852.4	818.3-886.4	+	1,177	1,057.9	1,230	1,085.8
Lawrence	5,339	883.8	860.1-907.5	+	2,386	1,100.6	2,953	1,268.3
McKean	1,628	606.2	576.8-635.7	-	734	667.6	894	848.4
Mercer	6,916	887.6	866.6-908.5	+	3,011	1,060.7	3,905	1,325.1
Venango	2,892	838.6	808.0-869.2	+	1,406	1,055.8	1,486	1,075.2
Warren	1,858	697.0	665.3-728.7	-	895	869.2	963	934.8
Southeast	**239,779**	**829.9**	**826.6-833.2**	**+**	**115,936**	**934.1**	**123,801**	**933.9**
Berks	19,236	802.6	791.2-813.9	+	9,262	913.2	9,969	948.8
Bucks	28,846	783.4	774.3-792.4		13,595	884.9	15,250	955.2
Chester	18,482	668.8	659.1-678.4	-	8,396	674.7	10,086	783.6
Delaware	31,762	971.7	961.0-982.4	+	14,889	1,106.8	16,873	1,156.3
Lancaster	18,835	610.1	601.4-618.8	-	8,976	697.5	9,855	732.3
Montgomery	35,386	714.9	707.4-722.3	-	16,263	828.9	19,118	919.2
Philadelphia	79,248	1,012.9	1,005.9-1,020.0	+	40,910	1,121.5	38,336	940.6
Schuylkill	7,984	846.7	828.2-865.3	+	3,645	973.9	4,314	1,194.0
South-Central	**60,078**	**600.4**	**595.6-605.2**	**-**	**27,943**	**672.5**	**32,117**	**748.8**
Adams	3,474	570.8	551.8-589.8	-	1,700	680.4	1,774	688.3
Bedford	1,735	565.4	538.8-592.0	-	821	668.4	914	737.2
Blair	5,989	730.5	712.0-749.1	-	2,675	867.8	3,314	1,018.6
Cumberland	8,887	603.4	590.9-616.0	-	3,937	668.2	4,950	814.6
Dauphin	8,494	566.4	554.4-578.5	-	4,004	613.1	4,487	644.7
Franklin	5,397	576.0	560.7-591.4	-	2,408	650.2	2,989	773.6
Fulton	601	718.2	660.7-775.6	-	289	779.0	312	852.0
Huntingdon	1,755	650.1	619.7-680.6	-	857	704.7	895	832.0
Juniata	943	618.6	579.1-658.1	-	463	751.6	478	772.2
Lebanon	4,444	526.9	511.4-542.3	-	2,043	618.9	2,401	696.2
Mifflin	2,148	723.6	693.0-754.2	-	970	846.6	1,171	984.8
Perry	1,783	728.9	695.1-762.8	-	948	825.6	835	731.9
York	14,428	586.2	576.6-595.7	-	6,828	631.4	7,597	685.7
Southwest	**142,514**	**819.7**	**815.5-824.0**	**+**	**65,261**	**991.8**	**77,250**	**1,113.4**
Allegheny	66,742	848.4	841.9-854.8	+	30,031	1,017.9	36,711	1,150.0
Armstrong	3,903	894.1	866.0-922.1	+	1,933	1,143.1	1,970	1,140.6
Beaver	7,875	714.9	699.1-730.7	-	3,578	869.6	4,297	978.2
Butler	8,406	755.7	739.5-771.8	-	3,971	870.8	4,434	945.3
Cambria	8,322	871.7	853.0-890.5	+	3,808	1,088.3	4,514	1,263.3
Fayette	6,528	775.1	756.3-793.9		3,162	949.4	3,365	977.1
Greene	1,143	505.8	476.4-35.1	-	530	536.7	613	664.0
Indiana	4,699	903.0	877.2-928.8	+	2,226	1,011.7	2,473	1,114.9
Somerset	3,793	727.7	704.6-750.9	-	1,798	904.5	1,994	1,071.8
Washington	10,763	823.4	807.9-839.0	+	4,939	972.9	5,824	1,091.5
Westmoreland	20,340	845.0	833.4-856.6	+	9,285	1,049.0	11,055	1,189.1
Pennsylvania	**590,990**	**777.3**	**775.3-779.3**		**277,893**	**892.6**	**312,670**	**958.0**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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 INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND ANNUAL HOSPITALIZATION RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

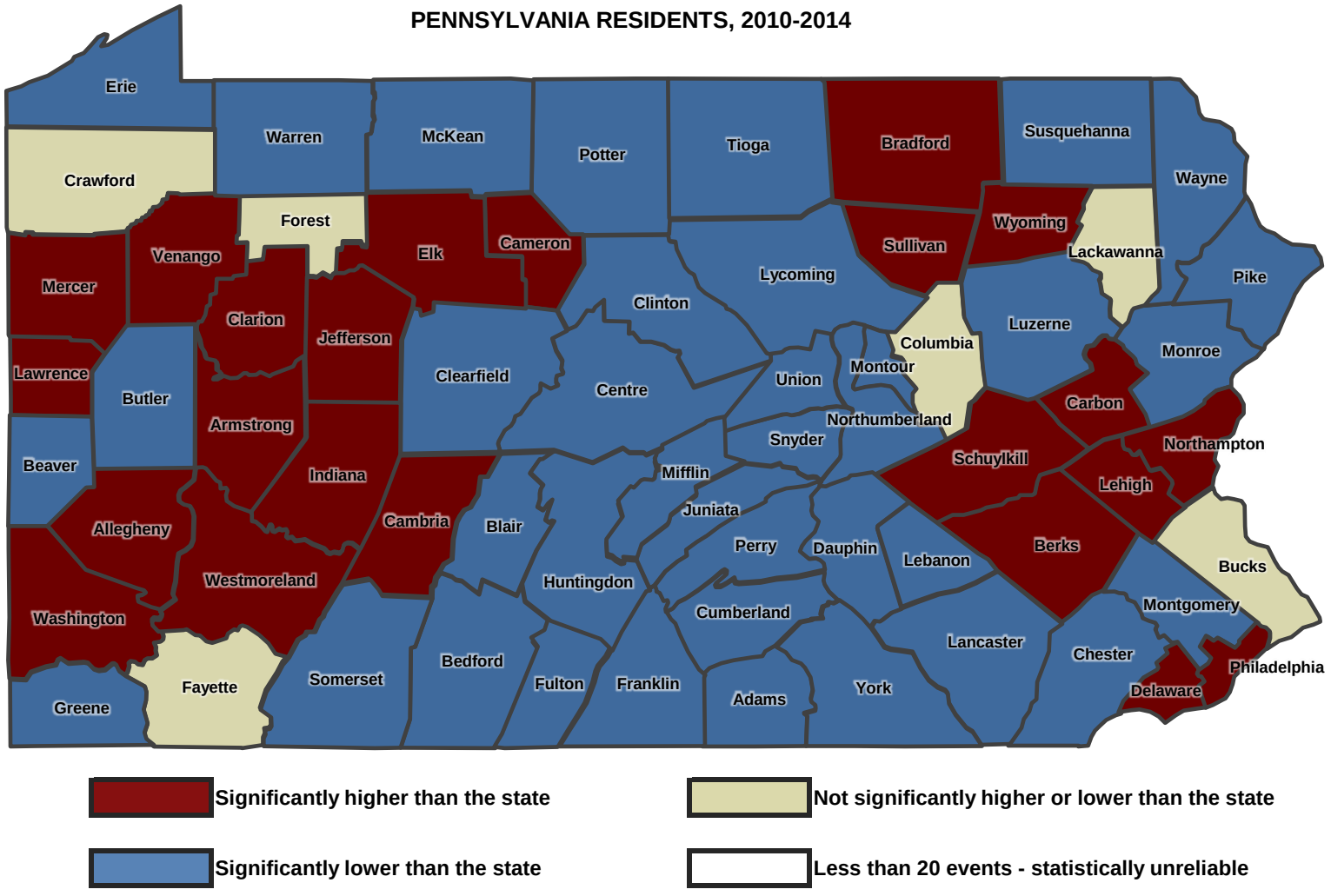
District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**4,063**	**211.0**	**6,625**	**467.4**	**8,425**	**532.9**	**14,045**	**813.4**	**44,288**	**3,274.5**
Carbon	221	306.9	353	694.5	513	777.0	751	999.6	2,289	3,775.1
Lackawanna	470	189.6	789	393.7	1,079	540.4	1,981	870.7	6,356	3,271.8
Lehigh	999	218.7	1,591	479.2	1,777	502.9	3,012	843.5	9,084	3,348.0
Luzerne	663	183.2	1,143	394.9	1,504	479.3	2,563	749.6	9,136	3,101.9
Monroe	441	201.3	666	466.9	860	495.9	1,371	721.2	3,264	2,796.9
Northampton	893	244.5	1,471	549.7	1,922	645.5	3,096	970.9	10,599	4,300.4
Pike	83	121.8	122	315.7	185	317.8	299	445.2	579	1,118.5
Susquehanna	91	188.9	137	426.3	158	394.5	266	505.6	893	2,205.9
Wayne	131	246.3	217	543.3	268	517.6	430	672.2	1,283	2,474.2
Wyoming	71	213.1	136	571.9	159	590.6	276	850.9	805	3,287.1
North-Central	**1,603**	**193.2**	**2,610**	**337.1**	**2,740**	**432.6**	**4,968**	**699.2**	**15,118**	**2,617.5**
Bradford	206	268.8	372	761.2	339	579.0	579	822.1	1,613	2,784.2
Centre	245	137.7	456	176.2	483	389.0	822	659.4	2,722	2,946.1
Clinton	101	201.9	112	267.5	110	324.2	279	717.0	743	2,256.8
Columbia	166	206.9	271	381.6	326	546.8	601	872.6	1,605	2,874.4
Lycoming	262	189.3	420	370.8	472	438.6	899	717.3	2,853	2,890.5
Montour	56	264.6	103	650.4	77	463.0	160	767.4	435	2,468.8
Northumberland	235	224.4	369	451.0	456	502.3	781	747.9	2,360	2,628.3
Potter	34	163.6	53	413.6	52	334.0	98	486.7	347	1,939.1
Snyder	73	139.7	131	349.4	121	324.7	207	512.9	668	2,085.2
Sullivan	16	275.4	40	879.5	27	524.7	78	932.2	255	3,114.3
Tioga	112	221.2	163	431.3	156	418.1	274	591.3	697	1,757.9
Union	97	189.7	120	239.4	121	258.4	190	454.4	820	2,369.9
Northwest	**2,203**	**199.1**	**3,824**	**465.8**	**4,790**	**555.5**	**8,525**	**841.8**	**24,792**	**3,067.5**
Cameron	14	278.4	22	663.9	36	817.3	62	961.5	213	3,852.4
Clarion	107	228.8	196	467.6	211	614.3	383	939.7	1,079	3,189.0
Clearfield	230	264.0	337	473.6	472	552.1	732	821.7	1,937	2,624.8
Crawford	207	188.1	382	515.7	443	544.0	810	830.7	2,110	2,755.8
Elk	93	264.3	157	708.3	173	539.9	323	860.0	1,080	3,486.6
Erie	595	165.0	1,111	394.9	1,352	527.9	2,131	730.3	5,708	2,703.9
Forest	13	272.9	28	284.8	36	468.9	85	1,028.6	226	2,980.0
Jefferson	149	279.4	217	585.0	265	632.7	415	829.4	1,361	3,226.1
Lawrence	229	217.6	398	549.0	516	625.4	1,000	974.1	3,196	3,685.0
McKean	80	157.1	140	368.4	170	401.4	267	575.9	971	2,576.1
Mercer	242	173.8	459	476.1	668	629.9	1,316	1,041.6	4,231	3,827.4
Venango	145	231.4	224	533.9	282	570.7	600	906.5	1,641	3,209.0
Warren	99	216.0	153	490.2	166	429.5	401	806.2	1,039	2,562.8
Southeast	**15,314**	**232.0**	**23,338**	**445.8**	**29,178**	**581.6**	**48,105**	**939.1**	**123,844**	**3,353.9**
Berks	1,066	194.8	1,663	439.1	2,120	519.0	3,538	847.1	10,849	3,469.9
Bucks	1,658	216.2	2,427	477.2	3,132	483.4	5,539	768.7	16,090	3,290.8
Chester	801	116.8	1,555	357.4	2,044	385.5	3,470	649.6	10,612	3,062.2
Delaware	1,780	242.0	2,950	541.5	3,464	644.1	6,261	1,087.2	17,307	4,215.0
Lancaster	1,192	165.9	1,755	352.9	2,001	409.9	3,299	639.5	10,588	2,565.5
Montgomery	1,899	189.4	2,675	372.4	3,334	400.5	6,296	738.3	21,182	3,332.7
Philadelphia	6,502	327.6	9,600	473.7	12,169	856.9	18,213	1,355.4	32,764	3,454.2
Schuylkill	416	260.1	713	567.8	914	603.7	1,489	920.7	4,452	3,249.8
South-Central	**3,253**	**155.5**	**5,340**	**352.4**	**6,478**	**387.5**	**11,065**	**618.2**	**33,942**	**2,468.8**
Adams	184	148.0	331	384.7	337	334.7	598	541.8	2,024	2,350.1
Bedford	115	201.2	148	397.3	202	418.2	329	593.4	941	1,933.6
Blair	271	181.3	460	412.3	613	521.0	1,190	862.4	3,455	2,955.6
Cumberland	376	132.2	649	277.4	825	351.8	1,491	598.7	5,546	2,845.2
Dauphin	518	152.9	919	350.0	1,105	421.0	1,787	616.0	4,165	2,133.9
Franklin	288	147.5	374	287.7	479	322.5	902	594.6	3,354	2,556.1
Fulton	37	206.3	63	547.4	75	497.7	90	576.4	336	2,470.8
Huntingdon	105	204.3	164	380.2	204	442.2	316	649.7	966	2,422.9
Juniata	50	159.9	78	384.5	90	378.5	145	565.1	580	2,577.2
Lebanon	277	161.9	364	311.7	441	342.5	742	533.1	2,620	2,199.4
Mifflin	106	182.7	172	463.3	214	482.1	386	793.9	1,270	2,800.6
Perry	147	257.8	207	541.7	218	463.1	377	714.3	834	2,465.6
York	779	140.2	1,411	364.6	1,675	368.8	2,712	583.6	7,851	2,396.7
Southwest	**6,087**	**201.5**	**11,726**	**465.5**	**15,374**	**605.6**	**27,416**	**903.0**	**81,911**	**3,407.5**
Allegheny	2,560	188.4	5,258	409.4	6,865	611.0	13,380	1,003.2	38,679	3,712.4
Armstrong	189	250.4	347	652.1	462	694.7	716	885.0	2,189	3,331.8
Beaver	398	209.3	693	489.3	865	546.4	1,489	749.4	4,430	2,736.1
Butler	445	194.9	716	466.9	951	504.1	1,491	721.7	4,803	3,241.5
Cambria	371	234.8	619	514.2	811	625.8	1,488	917.8	5,033	3,669.8
Fayette	340	229.2	666	583.8	876	659.4	1,331	852.2	3,315	2,630.4
Greene	43	99.9	111	306.0	147	380.5	232	548.1	610	1,981.1
Indiana	233	217.1	398	401.6	478	657.4	832	917.2	2,758	3,829.9
Somerset	181	226.2	276	430.3	346	452.4	655	732.9	2,335	3,120.0
Washington	549	230.7	930	541.8	1,362	676.0	2,056	852.4	5,866	3,105.7
Westmoreland	778	197.7	1,712	609.8	2,211	632.0	3,746	862.7	11,893	3,336.1
Pennsylvania	**32,523**	**208.8**	**53,463**	**435.3**	**66,985**	**544.4**	**114,124**	**851.8**	**323,895**	**3,172.5**

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 UNINTENTIONAL INJURIES

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE

PENNSYLVANIA RESIDENTS, 2010-2014



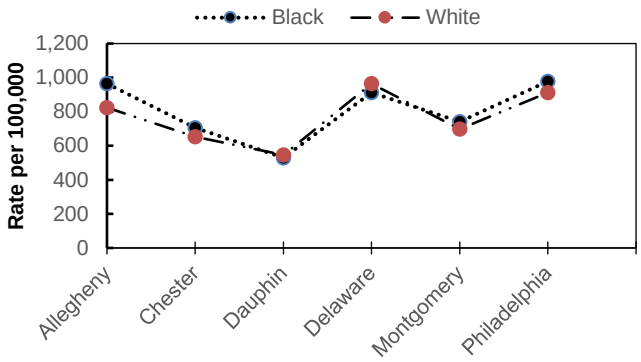
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL UNINTENTIONAL INJURIES

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	7,747	964.7	943.2-986.2
Chester	1,040	706.2	663.3-749.2
Dauphin	1,219	529.6	499.9-559.4
Delaware	4,539	912.9	886.4-939.5
Montgomery	2,637	740.7	712.4-768.9
Philadelphia	32,532	978.1	967.5-988.7
Pennsylvania	57,659	854.5	847.6-861.5



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	57,233	822.8	816.1-829.6
Chester	16,474	653.1	643.1-663.1
Dauphin	6,748	546.0	532.9-559.0
Delaware	25,765	964.1	952.3-975.9
Montgomery	30,405	697.5	689.7-705.4
Philadelphia	36,519	911.6	902.2-920.9
Pennsylvania	497,003	732.5	730.5-734.5

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	4,144	3,603	**7,747**	11.6%	829	328.7	1,099	613.8	1,336	927.1	2,149	1,431.4	2,334	2,502.4
	White	81.4%	24,905	32,328	**57,233**	85.8%	1,612	163.2	3,843	381.0	5,296	575.4	10,908	946.1	35,574	3,816.8
Chester	Black	6.3%	569	471	**1,040**	5.6%	65	131.6	134	367.1	187	625.8	242	855.3	412	2,495.6
	White	86.9%	7,278	9,196	**16,474**	89.1%	603	106.0	1,253	344.3	1,676	366.3	3,050	625.5	9,892	3,076.6
Dauphin	Black	18.5%	662	557	**1,219**	14.4%	133	160.3	204	395.5	280	587.1	323	726.2	279	1,198.7
	White	74.2%	3,029	3,716	**6,745**	79.4%	311	144.6	593	316.1	702	358.0	1,383	589.6	3,759	2,249.7
Delaware	Black	20.5%	2,385	2,154	**4,539**	14.3%	593	304.2	716	544.6	841	738.8	1,125	1,251.1	1,264	2,780.6
	White	72.1%	11,695	14,070	**25,765**	81.1%	928	198.9	2,032	552.7	2,369	623.5	4,888	1,068.8	15,548	4,429.0
Montgomery	Black	9.1%	1,442	1,195	**2,637**	7.5%	217	203.4	360	477.0	380	479.6	687	1,035.1	993	2,478.7
	White	81.6%	13,572	16,828	**30,400**	85.9%	1,252	163.1	1,994	356.8	2,635	394.7	5,221	710.9	19,303	3,395.4
Philadelphia	Black	44.1%	17,773	14,759	**32,532**	41.1%	3,217	318.7	4,361	571.7	6,407	1,003.9	8,943	1,464.0	9,604	2,521.3
	White	44.7%	17,104	19,413	**36,517**	46.1%	1,033	146.1	3,311	332.1	4,063	655.1	7,542	1,223.4	20,570	4,019.5
Pennsylvania	Black	11.3%	31,639	26,009	**57,648**	9.8%	6,028	268.2	8,347	505.9	11,026	789.8	15,548	1,260.6	16,710	2,365.0
	White	83.1%	225,678	270,931	**496,609**	84.1%	20,922	174.4	38,885	399.3	49,926	488.8	91,905	783.8	295,365	3,179.5

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED INJURIES

In 2014 among Pennsylvania residents, there were 8,524 hospitalizations due to self-inflicted injury. On average, one resident was hospitalized every 62 minutes due to self-inflicted injury.

Injury Definition

Self-inflicted injury includes any event involving deliberate self-harm.

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

Leading mechanisms of self-inflicted injury include self-poisoning and self-cutting. These mechanisms account for over 90 percent of all self-inflicted injury hospitalizations in Pa.

HIGHLIGHTS

- Age-adjusted rates generally **fluctuated** from 2010 to 2014.
- Most common demographic is **white females**, ages 15-29.
- Of all Pennsylvania counties, **Schuylkill** had the highest rate.

Trends Over Time

- Age-adjusted hospitalization rates for self-inflicted injury fluctuated over the 2010 to 2014 period.
- Females had higher age-adjusted self-injury hospitalization rates than males during 2010 to 2014 (rates in 2014 were 78.9 and 58.1 for females and males, respectively).
- Rural populations had higher self-injury hospitalization rates for ages under 50 where rates could be calculated, while urban populations generally had higher rates for ages 50 and older.

Demographic Trends

- Females had significantly higher self-injury hospitalization rates than males for ages 10-64, while males had significantly higher rates for ages 80 and older.
- Among males, blacks had significantly higher self-injury hospitalization rates than whites for ages 40-59, while whites had significantly higher rates for ages 15-24 and 65-69 where rates could be calculated.
- Among females, whites had higher self-injury hospitalization rates than blacks for all ages where rates could be calculated.

Regional Trends

- The Northwest Health District had the highest age-adjusted self-injury hospitalization rate, while the South-Central and Southeast Health Districts had the lowest rates.
- Twenty-five counties had age-adjusted self-injury hospitalization rates in 2010 to 2014 that were significantly higher than the comparable state rate. Most counties were rural.

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED INJURIES

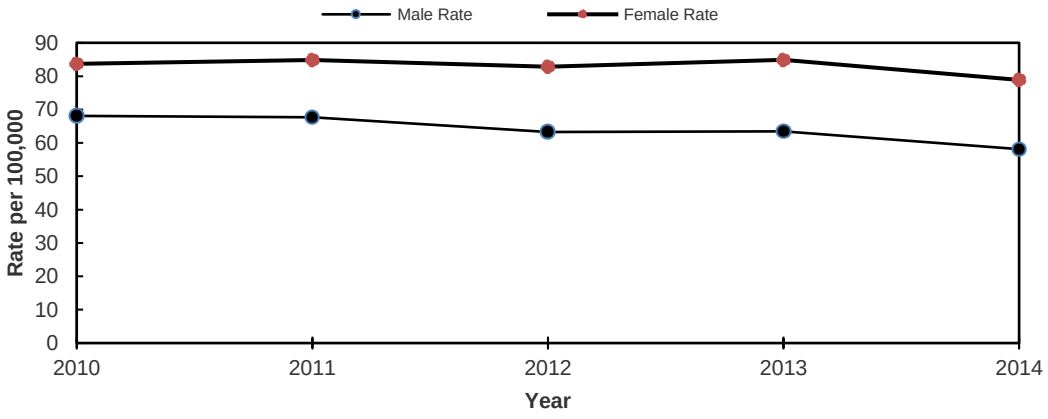
TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, 2010-2014

Year	No.	Rate
2010	9,383	75.8
2011	9,434	76.2
2012	9,018	73.0
2013	9,172	74.1
2014	8,524	68.5

NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

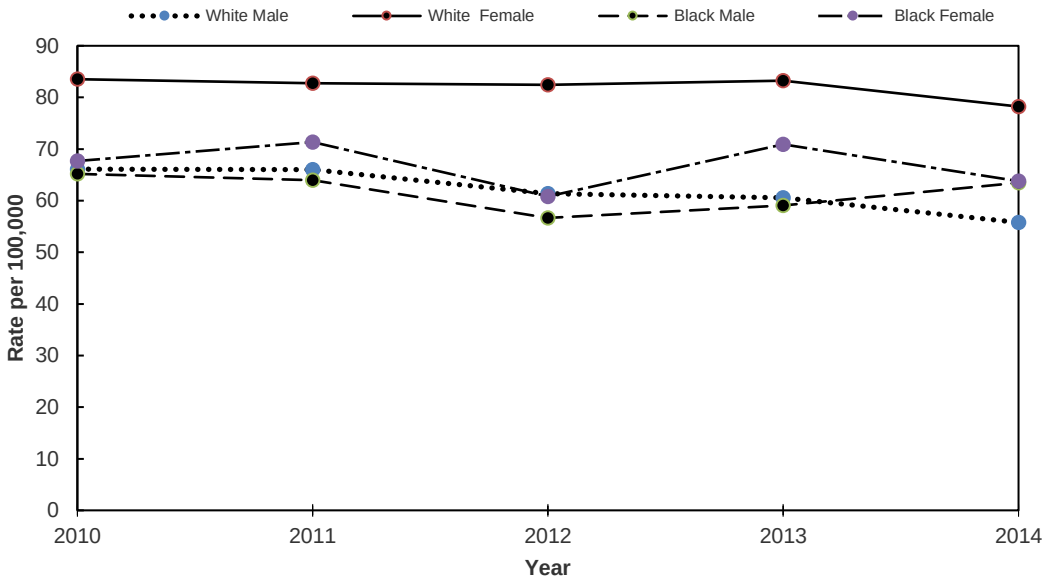
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	4,170	68.1	2010	5,212	83.7
2011	4,161	67.6	2011	5,269	84.8
2012	3,898	63.3	2012	5,114	82.9
2013	3,936	63.5	2013	5,230	84.9
2014	3,617	58.1	2014	4,893	78.9



INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND HOSPITALIZATION RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates				
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	3,290	4,199	431	493	2010	66.1	83.5	65.2	67.7
2011	3,403	4,266	438	538	2011	66.0	82.8	64.0	71.4
2012	3,160	4,195	392	462	2012	61.4	82.4	56.7	60.8
2013	3,146	4,213	410	540	2013	60.5	83.2	59.1	70.9
2014	2,877	3,974	446	492	2014	55.8	78.2	63.5	63.8



AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	66.7	72.3	77.5	101.8
2011	65.2	74.4	79.0	102.3
2012	61.6	68.5	78.2	97.0
2013	62.5	67.1	81.0	96.6
2014	56.9	62.1	74.7	91.4

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

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**45,531**	**71.4**	**19,782**	**63.5**	**25,718**	**78.8**		**32,071**	**69.0**	**13,460**	**77.9**	
< 5	11	0.3	7	NSR	4	NSR		9	NSR	2	NSR	
5-9	27	0.7	17	0.9	10	0.5	*	20	0.7	7	NSR	
10-14	944	24.2	196	9.8	748	39.3	*	611	21.3	333	32.6	*
15-19	4,497	103.6	1,538	69.4	2,954	139.0	*	2,909	92.2	1,588	133.8	*
20-24	5,530	125.8	2,518	113.0	3,009	138.8	*	3,793	119.5	1,737	142.3	*
25-29	4,936	121.4	2,269	110.5	2,667	132.6	*	3,449	110.4	1,487	157.8	*
30-34	4,478	117.2	2,091	109.1	2,382	125.0	*	3,114	107.8	1,364	146.3	*
35-39	4,157	113.8	1,861	102.2	2,292	125.0	*	2,855	105.9	1,302	136.0	*
40-44	4,623	111.9	1,966	95.9	2,656	127.7	*	3,332	110.5	1,291	115.8	
45-49	5,082	112.4	2,223	99.7	2,854	124.6	*	3,639	110.7	1,443	117.0	
50-54	4,325	88.9	1,905	79.8	2,419	97.8	*	3,173	90.1	1,152	85.8	
55-59	2,892	62.9	1,329	59.1	1,560	66.4	*	2,160	65.6	732	56.2	*
60-64	1,587	40.3	724	38.1	861	42.2	*	1,187	42.5	400	34.9	*
65-69	900	29.7	406	28.4	493	30.7		638	30.1	262	28.7	
70-74	527	23.2	228	22.1	299	24.1		375	23.9	152	21.7	
75-79	399	22.2	187	24.2	211	20.6		322	25.7	77	14.2	*
80-84	286	19.0	136	22.9	150	16.5	*	231	21.7	55	12.6	*
85 +	330	20.6	181	35.2	149	13.7	*	254	21.9	76	17.0	*

* 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 SELF-INFLICTED INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**15,876**	**61.3**	**2,117**	**61.0**		**20,847**	**77.1**	**2,525**	**67.1**	
< 5	4	NSR	2	NSR		1	NSR	2	NSR	
5-9	9	NSR	5	NSR		3	NSR	5	NSR	
10-14	130	8.3	28	10.0		533	36.0	82	30.8	*
15-19	1,194	68.7	150	46.5	*	2,173	130.4	368	120.7	
20-24	1,946	111.6	268	81.9	*	2,296	135.8	356	110.6	*
25-29	1,803	109.3	250	96.9		2,123	133.4	294	110.6	*
30-34	1,695	109.4	195	84.4	*	1,877	124.0	270	109.8	
35-39	1,456	98.0	213	101.0		1,874	127.2	212	93.0	*
40-44	1,534	89.6	263	116.5	*	2,158	125.9	260	106.1	*
45-49	1,775	93.4	260	112.2	*	2,405	124.6	261	102.5	*
50-54	1,558	75.0	236	104.0	*	2,090	98.3	197	76.7	*
55-59	1,124	56.6	138	71.1	*	1,361	66.5	120	53.1	*
60-64	621	36.5	60	41.0		772	43.1	44	24.0	*
65-69	367	28.4	18	18.4	*	439	30.7	22	16.6	*
70-74	201	21.4	13	19.2		268	24.1	18	18.0	*
75-79	164	23.2	8	NSR		195	21.1	4	NSR	
80-84	127	23.0	4	NSR		139	16.6	6	NSR	
85 +	168	34.8	6	NSR		140	13.8	4	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.

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY SEX, AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**6,697**	**87.7**	**85.6-89.8**	**+**	**2,793**	**71.1**	**3,879**	**95.2**
Carbon	374	126.5	113.7-139.3	+	169	105.3	205	124.8
Lackawanna	930	92.7	86.7-98.6	+	350	67.9	569	102.7
Lehigh	1,750	103.1	98.2-107.9	+	742	86.2	1,008	110.8
Luzerne	868	56.2	52.5-59.9	-	379	48.2	483	59.2
Monroe	922	112.0	104.8-119.3	+	383	92.2	538	126.1
Northampton	1,410	97.6	92.5-102.7	+	595	81.2	815	106.7
Pike	115	44.3	36.2-52.4	-	44	31.0	70	49.3
Susquehanna	83	45.5	35.7-55.3	-	35	32.6	47	44.3
Wayne	178	76.5	65.3-87.8		73	53.2	103	83.5
Wyoming	67	49.7	37.8-61.6	-	23	32.6	41	58.3
North-Central	**2,509**	**72.6**	**69.8-75.4**		**1,007**	**56.9**	**1,500**	**85.5**
Bradford	347	128.2	114.7-141.7	+	129	83.6	218	137.9
Centre	499	63.2	57.7-68.8	-	172	42.5	326	87.3
Clinton	74	38.9	30.0-47.8	-	33	34.1	41	40.7
Columbia	312	99.7	88.6-110.8	+	134	83.1	178	102.2
Lycoming	313	55.3	49.1-61.4	-	142	49.6	170	57.3
Montour	116	138.3	113.1-163.4	+	40	90.6	76	158.5
Northumberland	498	115.5	105.4-125.6	+	208	88.1	290	123.1
Potter	36	46.2	31.1-61.2	-	14	NSR	22	50.6
Snyder	91	48.0	38.2-57.9	-	33	33.6	58	57.4
Sullivan	25	61.9	37.6-86.1		12	NSR	13	NSR
Tioga	93	47.1	37.5-56.6	-	41	39.3	52	48.4
Union	105	44.4	35.9-52.9	-	49	39.6	56	55.5
Northwest	**4,054**	**95.2**	**92.2-98.1**	**+**	**1,789**	**78.2**	**2,265**	**97.4**
Cameron	27	118.9	74.1-163.8		13	NSR	14	NSR
Clarion	75	40.1	31.1-49.2	-	31	32.2	44	43.4
Clearfield	247	64.6	56.5-72.6	-	120	56.9	127	64.9
Crawford	404	99.9	90.2-109.7	+	182	84.7	222	98.8
Elk	154	116.8	98.3-135.2	+	77	97.7	77	97.3
Erie	1,515	112.6	106.9-118.3	+	656	95.1	859	120.8
Forest	22	53.8	31.3-76.2		15	NSR	7	NSR
Jefferson	139	70.0	58.3-81.6		67	60.2	72	63.6
Lawrence	272	68.7	60.5-76.9		120	55.4	152	65.3
McKean	162	78.7	66.6-90.8		58	52.7	104	98.7
Mercer	627	122.1	112.5-131.6	+	285	100.4	342	116.1
Venango	202	87.1	75.1-99.1	+	88	66.1	114	82.5
Warren	208	115.4	99.8-131.1	+	77	74.8	131	127.2
Southeast	**17,046**	**66.9**	**65.9-67.9**	**-**	**7,717**	**62.2**	**9,327**	**70.4**
Berks	1,515	74.6	70.8-78.3		631	62.2	884	84.1
Bucks	2,117	70.3	67.3-73.3	-	942	61.3	1,175	73.6
Chester	1,017	40.8	38.3-43.3	-	427	34.3	590	45.8
Delaware	2,036	73.2	70.0-76.3		967	71.9	1,069	73.3
Lancaster	1,513	60.5	57.4-63.5	-	665	51.7	848	63.0
Montgomery	2,187	54.9	52.6-57.2	-	889	45.3	1,298	62.4
Philadelphia	5,463	71.1	69.2-73.0	-	2,636	72.3	2,827	69.4
Schuylkill	1,198	182.7	172.4-193.1	+	560	149.6	636	176.0
South-Central	**5,382**	**66.7**	**65.0-68.5**	**-**	**2,311**	**55.6**	**3,070**	**71.6**
Adams	187	38.8	33.3-44.4	-	72	28.8	115	44.6
Bedford	101	47.0	37.8-56.2	-	44	35.8	57	46.0
Blair	631	109.0	100.5-117.5	+	253	82.1	378	116.2
Cumberland	638	55.1	50.8-59.4	-	279	47.4	359	59.1
Dauphin	794	59.9	55.7-64.1	-	374	57.3	420	60.3
Franklin	449	62.9	57.0-68.7	-	135	36.5	314	81.3
Fulton	23	35.9	21.2-50.6	-	12	32.3	11	NSR
Huntingdon	159	69.7	58.9-80.5		69	56.7	90	83.7
Juniata	52	46.5	33.9-59.1	-	23	37.3	28	45.2
Lebanon	265	43.1	37.9-48.3	-	121	36.7	144	41.8
Mifflin	202	96.9	83.5-110.2	+	88	76.8	114	95.9
Perry	139	63.5	52.9-74.0		51	44.4	88	77.1
York	1,742	82.1	78.3-86.0	+	790	73.0	952	85.9
Southwest	**9,843**	**76.8**	**75.3-78.3**	**+**	**4,165**	**63.3**	**5,677**	**81.8**
Allegheny	4,012	66.2	64.2-68.3	-	1,707	57.9	2,304	72.2
Armstrong	239	80.3	70.1-90.5		97	57.4	142	82.2
Beaver	732	95.8	88.9-102.8	+	324	78.7	408	92.9
Butler	464	53.3	48.4-58.1	-	209	45.8	255	54.4
Cambria	741	115.8	107.5-124.1	+	335	95.7	406	113.6
Fayette	586	95.6	87.8-103.3	+	251	75.4	335	97.3
Greene	144	77.9	65.2-90.6		71	71.9	73	79.1
Indiana	345	84.1	75.3-93.0	+	152	69.1	193	87.0
Somerset	322	92.8	82.7-103.0	+	150	75.5	172	92.4
Washington	691	72.4	67.0-77.8		294	57.9	397	74.4
Westmoreland	1,567	97.9	93.1-102.8	+	575	65.0	992	106.7
Pennsylvania	**45,531**	**73.5**	**72.8-74.2**		**19,782**	**63.5**	**25,718**	**78.8**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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 INJURIES

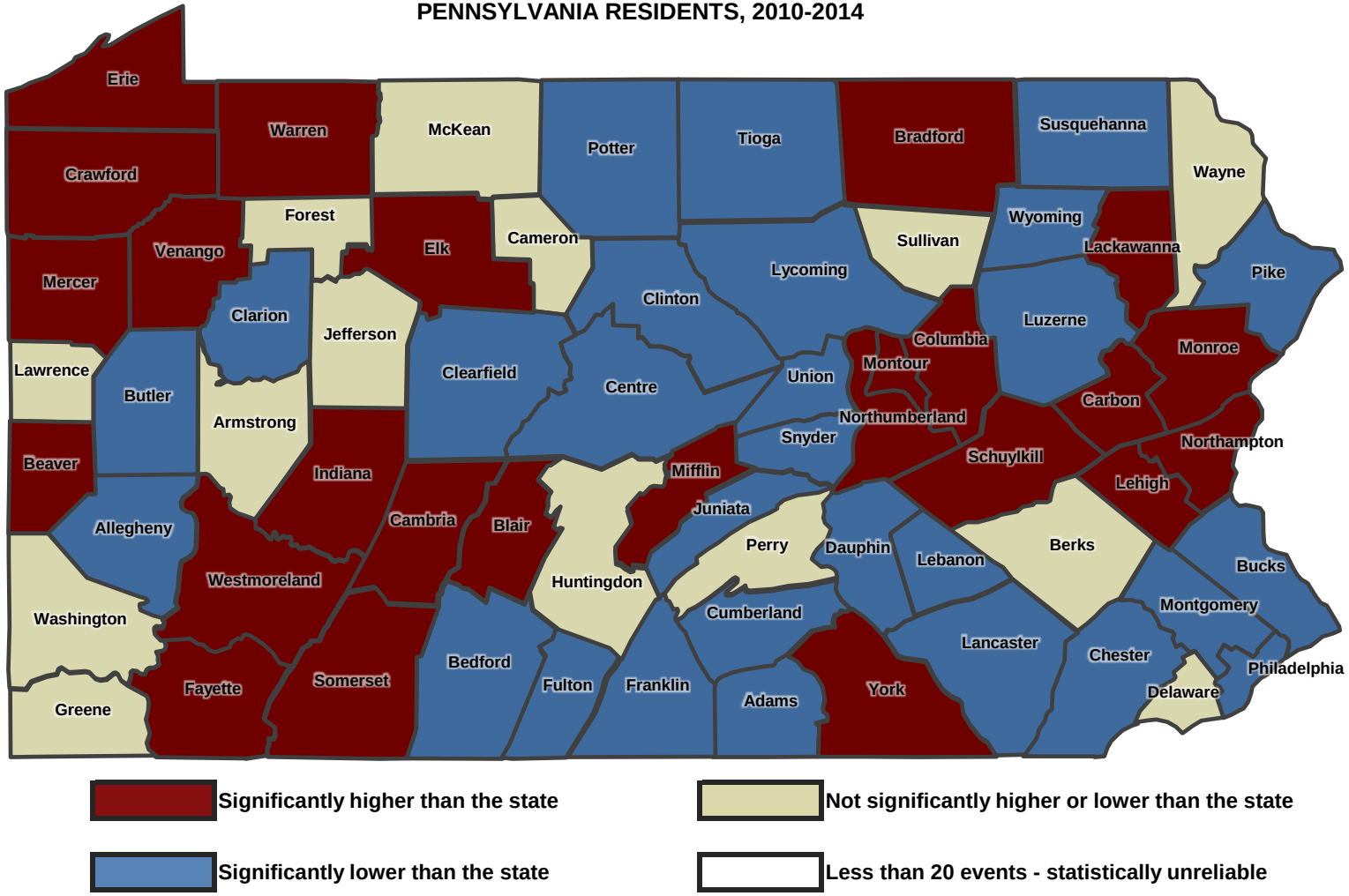
TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND ANNUAL HOSPITALIZATION RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**2,456**	**127.5**	**1,943**	**137.1**	**1,718**	**108.7**	**437**	**25.3**	**143**	**10.6**
Carbon	111	154.1	122	240.0	108	163.6	30	39.9	3	NSR
Lackawanna	320	129.1	295	147.2	226	113.2	72	31.6	17	8.8
Lehigh	690	151.0	517	155.7	413	116.9	95	26.6	35	12.9
Luzerne	299	82.6	248	85.7	233	74.3	69	20.2	19	6.5
Monroe	342	156.1	232	162.6	261	150.5	65	34.2	22	18.9
Northampton	528	144.6	399	149.1	366	122.9	73	22.9	44	17.9
Pike	45	66.1	24	62.1	36	61.8	8	NSR	2	NSR
Susquehanna	23	47.8	36	112.0	18	44.9	5	NSR	1	NSR
Wayne	66	124.1	54	135.2	43	83.0	15	23.4	0	NSR
Wyoming	32	96.1	16	67.3	14	52.0	5	NSR	0	NSR
North-Central	**990**	**119.3**	**693**	**89.5**	**617**	**97.4**	**174**	**24.5**	**35**	**6.1**
Bradford	169	220.5	86	176.0	74	126.4	13	18.5	5	NSR
Centre	228	128.1	127	49.1	109	87.8	30	24.1	5	NSR
Clinton	40	80.0	20	47.8	9	NSR	5	NSR	0	NSR
Columbia	115	143.4	92	129.5	86	144.3	12	17.4	7	NSR
Lycoming	102	73.7	85	75.0	101	93.9	20	16.0	5	NSR
Montour	45	212.6	31	195.8	33	198.4	7	NSR	0	NSR
Northumberland	144	137.5	142	173.6	145	159.7	56	53.6	11	12.3
Potter	16	77.0	11	85.8	5	NSR	4	NSR	0	NSR
Snyder	33	63.2	29	77.4	16	42.9	12	29.7	1	NSR
Sullivan	7	NSR	16	351.8	2	NSR	0	NSR	0	NSR
Tioga	38	75.1	26	68.8	21	56.3	8	NSR	0	NSR
Union	53	103.6	28	55.9	16	34.2	7	NSR	1	NSR
Northwest	**1,118**	**101.0**	**1,335**	**162.6**	**1,077**	**124.9**	**420**	**41.5**	**104**	**12.9**
Cameron	9	NSR	5	150.9	11	249.7	2	NSR	0	NSR
Clarion	25	53.5	22	52.5	16	46.6	5	NSR	7	NSR
Clearfield	77	88.4	85	119.5	63	73.7	18	20.2	4	NSR
Crawford	149	135.4	119	160.7	86	105.6	38	39.0	12	15.7
Elk	55	156.3	60	270.7	29	90.5	6	NSR	4	NSR
Erie	220	61.0	542	192.6	447	174.5	259	88.8	47	22.3
Forest	10	209.9	8	81.4	4	NSR	0	NSR	0	NSR
Jefferson	21	39.4	50	134.8	38	90.7	22	44.0	8	NSR
Lawrence	78	74.1	82	113.1	82	99.4	26	25.3	4	NSR
McKean	74	145.3	33	86.8	45	106.3	10	21.6	0	NSR
Mercer	256	183.9	199	206.4	143	134.8	18	14.2	11	10.0
Venango	72	114.9	65	154.9	55	111.3	7	NSR	3	NSR
Warren	72	157.1	65	208.3	58	150.0	9	NSR	4	NSR
Southeast	**3,007**	**45.6**	**4,947**	**94.5**	**5,335**	**106.3**	**2,893**	**56.5**	**864**	**23.4**
Berks	202	36.9	446	117.8	439	107.5	326	78.1	102	32.6
Bucks	505	65.9	558	109.7	695	107.3	283	39.3	76	15.5
Chester	253	36.9	270	62.1	292	55.1	150	28.1	52	15.0
Delaware	464	63.1	547	100.4	653	121.4	295	51.2	77	18.8
Lancaster	168	23.4	473	95.1	484	99.1	288	55.8	100	24.2
Montgomery	524	52.3	559	77.8	646	77.6	316	37.1	142	22.3
Philadelphia	476	24.0	1,734	85.6	1,811	127.5	1,146	85.3	296	31.2
Schuylkill	415	259.5	360	286.7	315	208.1	89	55.0	19	13.9
South-Central	**1,718**	**82.1**	**1,585**	**104.6**	**1,570**	**93.9**	**396**	**22.1**	**113**	**8.2**
Adams	68	54.7	49	56.9	57	56.6	12	10.9	1	NSR
Bedford	33	57.7	38	102.0	22	45.5	7	NSR	1	NSR
Blair	249	166.6	182	163.1	150	127.5	47	34.1	3	NSR
Cumberland	222	78.0	200	85.5	170	72.5	27	10.8	19	9.7
Dauphin	142	41.9	233	88.7	291	110.9	102	35.2	26	13.3
Franklin	146	74.8	124	95.4	133	89.6	36	23.7	10	7.6
Fulton	13	72.5	8	69.5	2	NSR	0	NSR	0	NSR
Huntingdon	58	112.8	40	92.7	47	101.9	10	20.6	4	NSR
Juniata	24	76.7	14	69.0	10	42.1	4	NSR	0	NSR
Lebanon	88	51.4	89	76.2	61	47.4	19	13.6	8	NSR
Mifflin	77	132.8	58	156.2	50	112.6	17	35.0	0	NSR
Perry	32	56.1	49	128.2	47	99.8	11	20.8	0	NSR
York	566	101.8	501	129.4	530	116.7	104	22.4	41	12.5
Southwest	**2,155**	**71.3**	**3,221**	**127.9**	**2,784**	**109.7**	**1,327**	**43.7**	**356**	**14.8**
Allegheny	363	26.7	1,329	103.5	1,219	108.5	882	66.1	219	21.0
Armstrong	86	113.9	82	154.1	53	79.7	11	13.6	7	NSR
Beaver	257	135.2	240	169.4	179	113.1	47	23.7	9	NSR
Butler	171	74.9	149	97.2	105	55.7	28	13.6	11	7.4
Cambria	213	134.8	239	198.5	193	148.9	73	45.0	23	16.8
Fayette	227	153.1	167	146.4	164	123.5	25	16.0	3	NSR
Greene	52	120.8	51	140.6	32	82.8	9	21.3	0	NSR
Indiana	87	81.1	99	99.9	100	137.5	47	51.8	12	16.7
Somerset	112	140.0	111	173.0	74	96.8	17	19.0	8	NSR
Washington	220	92.4	236	137.5	187	92.8	36	14.9	12	6.4
Westmoreland	367	93.3	518	184.5	478	136.6	152	35.0	52	14.6
Pennsylvania	**41,960**	**269.4**	**82,967**	**675.5**	**91,692**	**745.3**	**131,368**	**980.5**	**330,519**	**3,237.3**

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

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED INJURIES

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



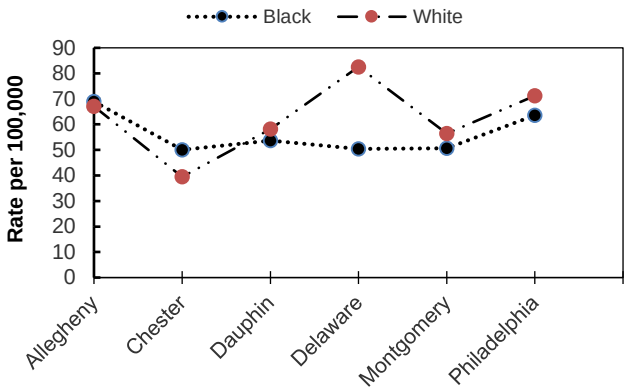
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL SELF-INFLICTED INJURIES

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	553	68.9	63.2-74.7
Chester	85	50.0	39.4-60.7
Dauphin	130	53.7	44.4-62.9
Delaware	294	50.4	44.6-56.2
Montgomery	189	50.6	43.4-57.8
Philadelphia	2,094	63.5	60.8-66.2
Pennsylvania	4,643	63.9	62.1-65.7



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	3,309	67.1	64.8-69.4
Chester	857	39.4	36.8-42.1
Dauphin	586	58.2	53.5-62.9
Delaware	1,637	82.6	78.6-86.6
Montgomery	1,828	56.4	53.8-59.0
Philadelphia	2,527	71.3	68.5-74.0
Pennsylvania	36,749	71.9	71.2-72.6

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	203	349	**552**	13.8%	82	32.5	206	115.1	161	111.7	95	63.3	9	NSR
	White	81.4%	1,435	1,874	**3,309**	82.5%	261	26.4	1,058	104.9	1,022	111.0	770	66.8	198	21.2
Chester	Black	6.3%	32	53	**85**	8.4%	14	28.3	43	117.8	18	60.2	9	NSR	1	NSR
	White	86.9%	365	492	**857**	84.3%	91	16.0	269	73.9	234	51.1	191	39.2	72	22.4
Dauphin	Black	18.5%	60	70	**130**	16.4%	24	28.9	38	73.7	48	100.7	17	38.2	3	NSR
	White	74.2%	275	311	**586**	73.8%	37	17.2	169	90.1	190	96.9	153	65.2	37	22.1
Delaware	Black	20.5%	137	157	**294**	14.4%	54	27.7	96	73.0	77	67.6	56	62.3	11	24.2
	White	72.1%	771	866	**1,637**	80.4%	155	33.2	488	132.7	488	128.4	389	85.1	117	33.3
Montgomery	Black	9.1%	76	113	**189**	8.6%	29	27.2	72	95.4	57	71.9	27	40.7	4	NSR
	White	81.6%	750	1,078	**1,828**	83.6%	214	27.9	517	92.5	481	72.0	441	60.0	175	30.8
Philadelphia	Black	44.1%	1,002	1,092	**2,094**	38.3%	223	22.1	636	83.4	759	118.9	411	67.3	65	17.1
	White	44.7%	1,266	1,261	**2,527**	46.3%	99	14.0	780	78.2	799	128.8	644	104.5	205	40.1
Pennsylvania	Black	11.3%	2,117	2,525	**4,642**	10.2%	642	28.6	1,634	99.0	1,469	105.2	795	64.5	103	14.6
	White	83.1%	15,876	20,847	**36,723**	80.7%	4,052	33.8	11,747	120.6	11,209	109.7	7,532	64.2	2,209	23.8

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL ASSAULT INJURIES

In 2014, among Pennsylvania residents, there were 3,966 hospitalizations due to assault injury. On average, one resident was hospitalized every 2⅕ hours.

Injury Definition

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

Assault includes domestic violence, rape and sexual assault, as well as physical abuse of a child or elder.

Leading mechanisms of assault include being struck by personal weapons (such as fists or a blunt object), firearms (shootings) and cut/pierce (stabbings). These three mechanisms account for 66 percent of all assault injury hospitalizations in Pa.

HIGHLIGHTS

- Age-adjusted rates steadily **decreased** from 2010 to 2014.
- Most common demographic is **black males**, ages 15-39.
- Of all Pennsylvania counties, **Philadelphia** had the highest rate.

Trends Over Time

- Age-adjusted hospitalization rates for assault injury decreased by 24 percent from 42.6 per 100,000 population in 2010 to 32.5 hospitalizations per 100,000 population in 2014.
- Males had higher age-adjusted assault injury hospitalization rates than females during 2010 to 2014 (2014 rates were 51.6 and 13.3 for males and females, respectively).
- Black males and females had higher age-adjusted assault injury hospitalization rates than white males and females during 2010 to 2014; black males had the highest rates.

Demographic Trends

- Black males and females accounted for almost half of all assault injury hospitalizations.
- Males had significantly higher assault injury hospitalization rates than females for all age groups from 2010 to 2014.
- Urban populations had significantly higher assault injury hospitalization rates than rural populations for all age groups except ages 5-9 during 2010 to 2014.

Regional Trends

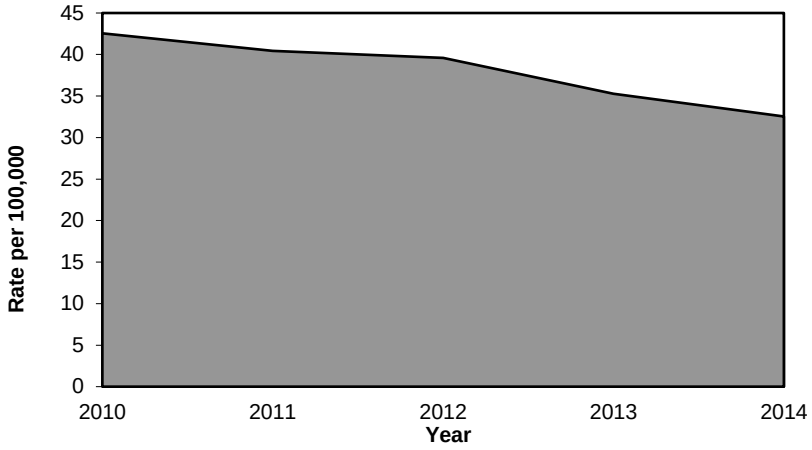
- The Southeast Health District had the highest age-adjusted assault injury hospitalization rate, while the North-Central Health District had the lowest rate.
- Three counties had age-adjusted assault injury hospitalization rates that were significantly higher than the state rate during 2010 to 2014: Allegheny, Delaware and Philadelphia. All the three counties were urban.

  Note: Rates could not be calculated for most counties in the state due to a small number of events (i.e., fewer than 20 assault hospitalizations in 2010 to 2014).

INJURY HOSPITALIZATIONS: ALL ASSAULT INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, 2010-2014

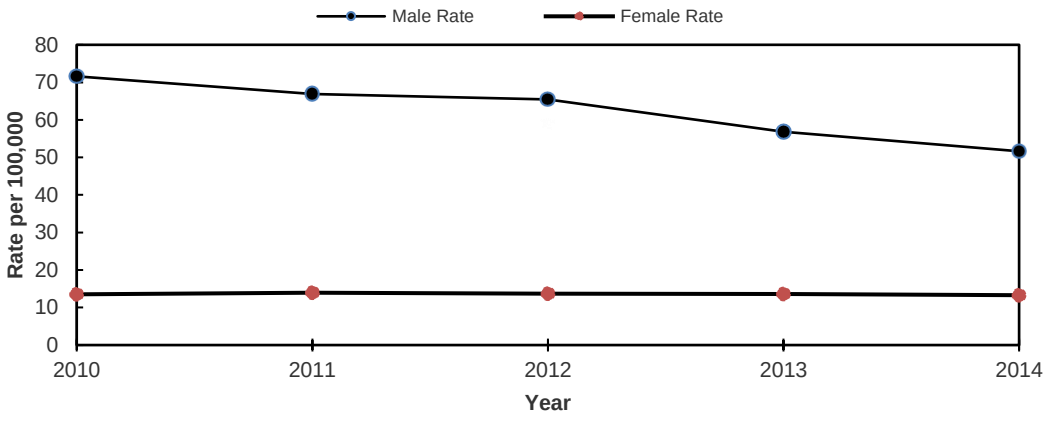
Year	No.	Rate
2010	5,189	42.6
2011	4,952	40.4
2012	4,833	39.6
2013	4,341	35.3
2014	3,966	32.5



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

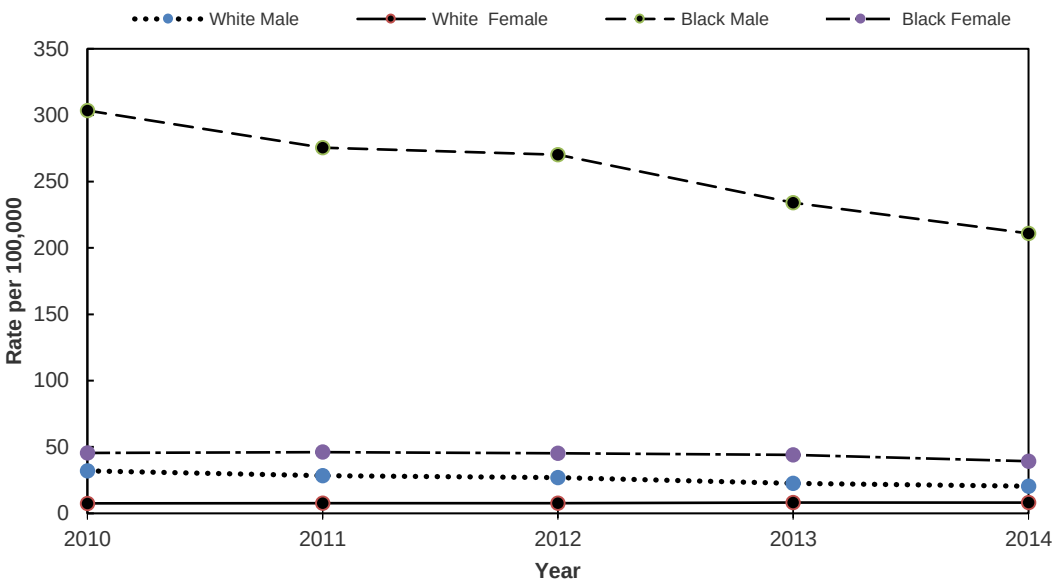
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	4,353	71.6	2010	832	13.5
2011	4,090	66.9	2011	858	13.9
2012	3,982	65.5	2012	848	13.7
2013	3,489	56.8	2013	843	13.6
2014	3,144	51.6	2014	817	13.3



INJURY HOSPITALIZATIONS: ALL ASSAULT INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND HOSPITALIZATION RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates			
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	1,567	383	2,107	334	2010	32.0	7.5	303.5	45.6
2011	1,453	396	2,004	355	2011	28.5	7.6	275.6	46.1
2012	1,356	394	1,984	351	2012	26.9	7.6	270.3	45.2
2013	1,155	417	1,750	343	2013	22.7	8.0	234.0	44.1
2014	1,035	416	1,578	305	2014	20.5	8.1	210.9	39.3



AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	88.8	25.7	16.0	6.3
2011	82.2	26.4	16.2	7.5
2012	80.2	25.8	15.3	9.1
2013	69.8	22.3	15.4	8.3
2014	63.3	20.3	15.2	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 HOSPITALIZATIONS: ALL ASSAULT INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**23,282**	**36.5**	**19,059**	**61.2**	**4,198**	**12.9**		**20,673**	**44.5**	**2,609**	**15.1**	
< 5	303	8.4	177	9.6	126	7.2	*	245	9.0	58	6.6	*
5-9	120	3.2	66	3.5	54	3.0		86	3.1	34	3.6	
10-14	282	7.2	209	10.5	73	3.8	*	258	9.0	24	2.3	*
15-19	2,281	52.5	1,961	88.5	315	14.8	*	2,069	65.6	212	17.9	*
20-24	4,297	97.8	3,726	167.3	567	26.2	*	3,897	122.7	400	32.8	*
25-29	3,245	79.8	2,694	131.2	546	27.1	*	2,943	94.2	302	32.1	*
30-34	2,644	69.2	2,197	114.7	442	23.2	*	2,331	80.7	313	33.6	*
35-39	1,998	54.7	1,638	90.0	358	19.5	*	1,765	65.5	233	24.3	*
40-44	1,982	48.0	1,589	77.5	391	18.8	*	1,718	57.0	264	23.7	*
45-49	1,995	44.1	1,606	72.0	389	17.0	*	1,747	53.2	248	20.1	*
50-54	1,690	34.8	1,370	57.4	320	12.9	*	1,523	43.3	167	12.4	*
55-59	1,065	23.2	868	38.6	196	8.3	*	917	27.8	148	11.4	*
60-64	499	12.7	403	21.2	96	4.7	*	445	15.9	54	4.7	*
65-69	288	9.5	217	15.2	71	4.4	*	237	11.2	51	5.6	*
70-74	185	8.1	115	11.1	70	5.6	*	158	10.1	27	3.9	*
75-79	129	7.2	87	11.3	42	4.1	*	105	8.4	24	4.4	*
80-84	89	5.9	41	6.9	48	5.3	*	67	6.3	22	5.0	
85 +	190	11.8	95	18.5	94	8.6	*	162	14.0	28	6.3	*

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

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.
Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: ALL ASSAULT INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**6,566**	**25.3**	**9,424**	**271.8**		**2,006**	**7.4**	**1,688**	**44.8**	
< 5	87	6.3	53	19.2	*	51	3.9	41	15.3	*
5-9	38	2.6	24	8.9	*	20	1.4	23	8.8	*
10-14	56	3.6	110	39.4	*	22	1.5	39	14.6	*
15-19	514	29.6	1,129	350.0	*	97	5.8	176	57.7	*
20-24	1,122	64.4	2,010	614.1	*	182	10.8	307	95.4	*
25-29	859	52.1	1,361	527.7	*	208	13.1	266	100.0	*
30-34	721	46.6	1,042	450.9	*	215	14.2	167	67.9	*
35-39	529	35.6	779	369.4	*	178	12.1	141	61.9	*
40-44	626	36.6	722	319.8	*	224	13.1	126	51.4	*
45-49	611	32.1	792	341.8	*	211	10.9	141	55.4	*
50-54	546	26.3	676	298.0	*	182	8.6	112	43.6	*
55-59	364	18.3	406	209.3	*	112	5.5	67	29.6	*
60-64	179	10.5	171	117.0	*	64	3.6	24	13.1	*
65-69	122	9.4	62	63.2	*	52	3.6	14	10.5	*
70-74	68	7.3	33	48.7	*	48	4.3	15	15.0	*
75-79	55	7.8	23	48.4	*	32	3.5	5	6.3	
80-84	28	5.1	6	19.3		33	3.9	9	14.7	
85 +	41	8.5	25	99.8	*	75	7.4	15	23.4	*

* 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.

INJURY HOSPITALIZATIONS: ALL ASSAULT INJURIES

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY SEX, AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**1,790**	**24.0**	**22.9-25.1**	**-**	**1,415**	**36.0**	**363**	**8.9**
Carbon	70	23.7	18.2-29.3	-	49	30.5	21	12.8
Lackawanna	166	16.4	13.9-18.9	-	135	26.2	27	4.9
Lehigh	534	31.8	29.1-34.5	-	425	49.4	109	12.0
Luzerne	357	23.8	21.3-26.2	-	283	36.0	71	8.7
Monroe	152	19.1	16.1-22.2	-	108	26.0	43	10.1
Northampton	415	29.1	26.3-31.9	-	336	45.9	79	10.3
Pike	14	NSR		-	10	NSR	4	NSR
Susquehanna	17	NSR		-	11	NSR	4	NSR
Wayne	55	25.7	18.9-32.5	-	48	34.9	5	NSR
Wyoming	10	NSR		-	10	NSR	0	NSR
North-Central	**409**	**11.9**	**10.7-13.0**	**-**	**311**	**17.6**	**90**	**5.1**
Bradford	36	13.3	8.9-17.6	-	29	18.8	7	NSR
Centre	49	6.3	4.6-8.1	-	37	9.1	11	NSR
Clinton	23	12.1	7.2-17.1	-	15	15.5	8	NSR
Columbia	56	16.7	12.4-21.1	-	39	24.2	16	NSR
Lycoming	82	14.2	11.1-17.3	-	61	21.3	19	NSR
Montour	9	NSR		-	7	NSR	2	NSR
Northumberland	57	13.7	10.1-17.3	-	44	18.6	11	NSR
Potter	3	NSR		-	1	NSR	2	NSR
Snyder	18	NSR		-	14	NSR	4	NSR
Sullivan	1	NSR		-	1	NSR	0	NSR
Tioga	12	NSR		-	4	NSR	8	NSR
Union	63	29.5	22.2-36.7	-	59	47.7	2	NSR
Northwest	**1,035**	**24.2**	**22.7-25.6**	**-**	**793**	**34.7**	**242**	**10.4**
Cameron	5	NSR		-	4	NSR	1	NSR
Clarion	21	12.5	7.2-17.9	-	17	NSR	4	NSR
Clearfield	61	15.1	11.3-18.9	-	47	22.3	14	NSR
Crawford	65	16.8	12.7-20.8	-	54	25.1	11	NSR
Elk	23	17.4	10.3-24.5	-	20	25.4	3	NSR
Erie	465	34.4	31.3-37.5	-	365	52.9	100	14.1
Forest	11	NSR		-	10	NSR	1	NSR
Jefferson	40	19.3	13.3-25.3	-	29	26.1	11	NSR
Lawrence	116	29.5	24.2-34.9	-	90	41.5	26	11.2
McKean	30	14.9	9.6-20.3	-	25	22.7	5	NSR
Mercer	122	22.2	18.3-26.2	-	77	27.1	45	15.3
Venango	55	24.5	18.1-31.0	-	43	32.3	12	NSR
Warren	21	10.7	6.1-15.3	-	12	NSR	9	NSR
Southeast	**14,565**	**57.7**	**56.8-58.7**	**+**	**12,241**	**98.6**	**2,319**	**17.5**
Berks	629	32.4	29.9-35.0	-	516	50.9	113	10.8
Bucks	430	15.1	13.7-16.6	-	335	21.8	95	6.0
Chester	274	11.4	10.0-12.7	-	224	18.0	50	3.9
Delaware	1,505	54.9	52.1-57.6	+	1,284	95.4	221	15.1
Lancaster	325	13.2	11.8-14.7	-	241	18.7	84	6.2
Montgomery	772	20.0	18.5-21.4	-	614	31.3	157	7.5
Philadelphia	10,495	130.3	127.8-132.8	+	8,934	244.9	1,561	38.3
Schuylkill	135	20.2	16.8-23.6	-	93	24.8	38	10.5
South-Central	**1,242**	**15.8**	**14.9-16.6**	**-**	**963**	**23.2**	**279**	**6.5**
Adams	41	9.1	6.3-11.9	-	29	11.6	12	NSR
Bedford	21	9.6	5.5-13.6	-	15	NSR	6	NSR
Blair	102	17.4	14.0-20.8	-	77	25.0	25	7.7
Cumberland	100	8.6	6.9-10.3	-	76	12.9	24	3.9
Dauphin	346	26.7	23.9-29.5	-	279	42.7	67	9.6
Franklin	57	7.7	5.7-9.7	-	43	11.6	14	NSR
Fulton	6	NSR		-	5	NSR	1	NSR
Huntingdon	24	10.9	6.6-15.3	-	15	NSR	9	NSR
Juniata	6	NSR		-	2	NSR	4	NSR
Lebanon	71	11.7	9.0-14.4	-	62	18.8	9	NSR
Mifflin	28	14.2	8.9-19.4	-	15	NSR	13	NSR
Perry	16	NSR		-	12	NSR	4	NSR
York	424	20.6	18.7-22.6	-	333	30.8	91	8.2
Southwest	**4,241**	**33.6**	**32.6-34.6**	**-**	**3,336**	**50.7**	**905**	**13.0**
Allegheny	2,768	46.6	44.9-48.3	+	2,212	75.0	556	17.4
Armstrong	57	19.6	14.5-24.7	-	40	23.7	17	NSR
Beaver	203	27.9	24.1-31.8	-	157	38.2	46	10.5
Butler	124	14.8	12.2-17.4	-	101	22.1	23	4.9
Cambria	154	24.4	20.6-28.3	-	126	36.0	28	7.8
Fayette	200	32.6	28.1-37.1	-	159	47.7	41	11.9
Greene	17	NSR		-	14	NSR	3	NSR
Indiana	57	13.5	10.0-17.0	-	43	19.5	14	NSR
Somerset	50	15.1	10.9-19.3	-	44	22.1	6	NSR
Washington	217	23.3	20.2-26.4	-	162	31.9	55	10.3
Westmoreland	394	25.2	22.7-27.7	-	278	31.4	116	12.5
Pennsylvania	**23,282**	**38.1**	**37.6-38.6**		**19,059**	**61.2**	**4,198**	**12.9**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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 INJURIES

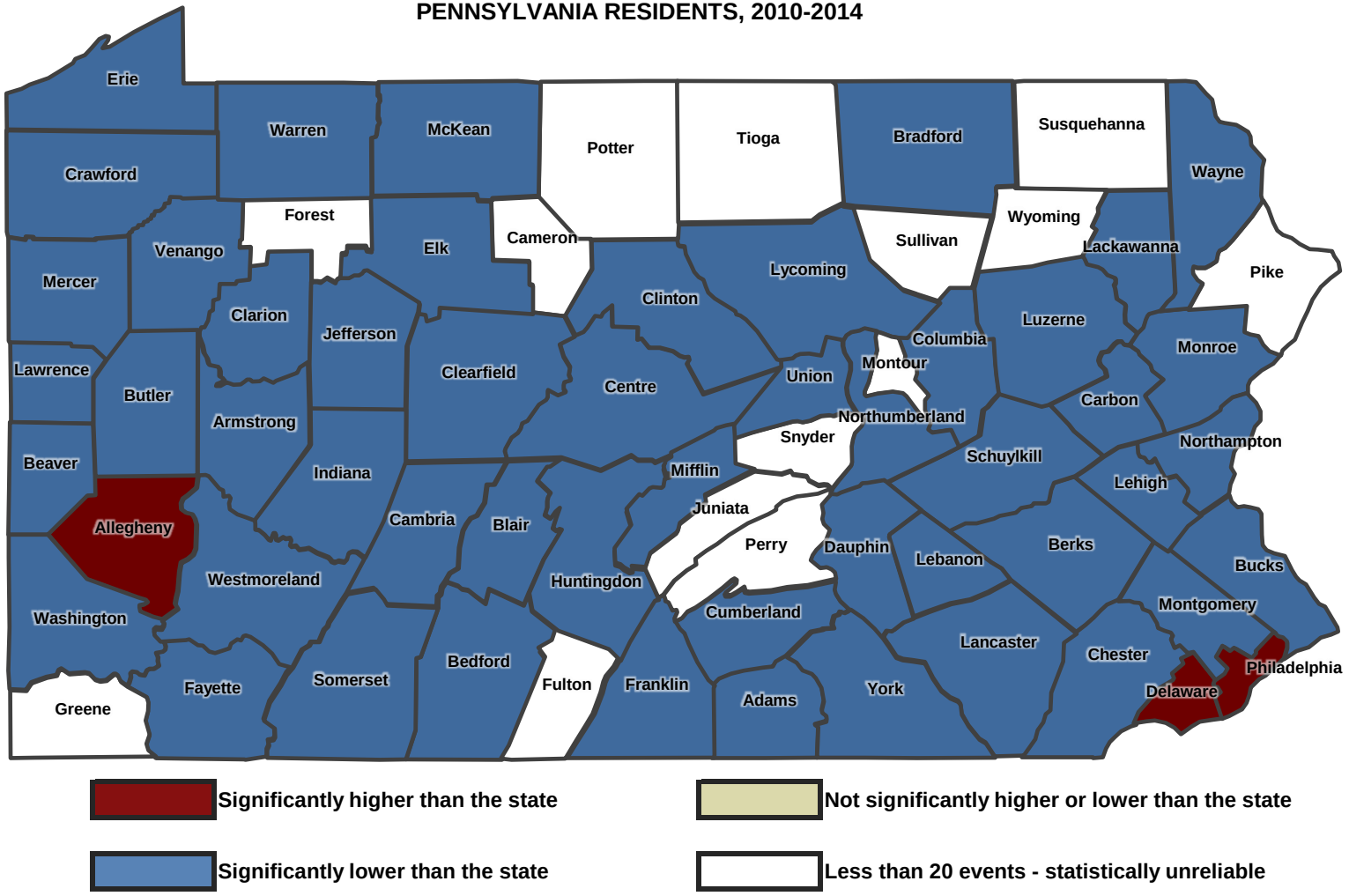
TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND ANNUAL HOSPITALIZATION RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**537**	**27.9**	**645**	**45.5**	**393**	**24.9**	**145**	**8.4**	**70**	**5.2**
Carbon	20	27.8	23	45.3	20	30.3	5	NSR	2	NSR
Lackawanna	61	24.6	57	28.4	36	18.0	9	NSR	3	NSR
Lehigh	177	38.7	190	57.2	107	30.3	38	10.6	22	8.1
Luzerne	34	9.4	151	52.2	93	29.6	53	15.5	26	8.8
Monroe	74	33.8	41	28.7	30	17.3	7	NSR	0	NSR
Northampton	124	34.0	145	54.2	97	32.6	32	10.0	17	6.9
Pike	7	NSR	6	NSR	1	NSR	0	NSR	0	NSR
Susquehanna	7	NSR	5	NSR	4	NSR	1	NSR	0	NSR
Wayne	25	47.0	25	62.6	5	NSR	0	NSR	0	NSR
Wyoming	8	NSR	2	NSR	0	NSR	0	NSR	0	NSR
North-Central	**177**	**21.3**	**113**	**14.6**	**91**	**14.4**	**25**	**3.5**	**3**	**NSR**
Bradford	16	20.9	11	22.5	5	NSR	4	NSR	0	NSR
Centre	20	11.2	12	4.6	14	11.3	3	NSR	0	NSR
Clinton	11	22.0	8	NSR	4	NSR	0	NSR	0	NSR
Columbia	23	28.7	13	18.3	12	20.1	5	NSR	3	NSR
Lycoming	40	28.9	19	16.8	16	14.9	7	NSR	0	NSR
Montour	9	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Northumberland	28	26.7	15	18.3	12	13.2	2	NSR	0	NSR
Potter	3	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Snyder	11	21.1	4	NSR	3	NSR	0	NSR	0	NSR
Sullivan	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Tioga	10	19.8	2	NSR	0	NSR	0	NSR	0	NSR
Union	5	NSR	29	57.9	25	53.4	4	NSR	0	NSR
Northwest	**265**	**23.9**	**347**	**42.3**	**264**	**30.6**	**120**	**11.8**	**39**	**4.8**
Cameron	5	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Clarion	8	NSR	8	NSR	4	NSR	1	NSR	0	NSR
Clearfield	26	29.8	17	23.9	12	14.0	6	NSR	0	NSR
Crawford	28	25.4	16	21.6	13	16.0	4	NSR	4	NSR
Elk	12	34.1	10	45.1	1	NSR	0	NSR	0	NSR
Erie	71	19.7	178	63.3	116	45.3	79	27.1	21	9.9
Forest	7	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Jefferson	17	31.9	9	NSR	9	NSR	4	NSR	1	NSR
Lawrence	34	32.3	38	52.4	34	41.2	8	NSR	2	NSR
McKean	8	NSR	13	34.2	7	NSR	2	NSR	0	NSR
Mercer	25	18.0	30	31.1	46	43.4	12	9.5	9	NSR
Venango	12	19.1	20	47.7	17	34.4	4	NSR	2	NSR
Warren	12	26.2	5	NSR	4	NSR	0	NSR	0	NSR
Southeast	**1,848**	**28.0**	**6,503**	**124.2**	**3,748**	**74.7**	**2,007**	**39.2**	**459**	**12.4**
Berks	63	11.5	296	78.2	161	39.4	78	18.7	31	9.9
Bucks	55	7.2	166	32.6	123	19.0	63	8.7	23	4.7
Chester	76	11.1	93	21.4	75	14.1	25	4.7	5	NSR
Delaware	227	30.9	738	135.5	327	60.8	172	29.9	41	10.0
Lancaster	50	7.0	165	33.2	70	14.3	25	4.8	15	3.6
Montgomery	80	8.0	312	43.4	204	24.5	134	15.7	42	6.6
Philadelphia	1,285	64.8	4,682	231.0	2,740	192.9	1,494	111.2	294	31.0
Schuylkill	12	7.5	51	40.6	48	31.7	16	9.9	8	NSR
South-Central	**263**	**12.6**	**494**	**32.6**	**296**	**17.7**	**147**	**8.2**	**42**	**3.1**
Adams	14	11.3	16	18.6	9	NSR	2	NSR	0	NSR
Bedford	9	NSR	6	NSR	6	NSR	0	NSR	0	NSR
Blair	39	26.1	31	27.8	23	19.5	6	NSR	3	NSR
Cumberland	29	10.2	35	15.0	25	10.7	6	NSR	5	NSR
Dauphin	42	12.4	156	59.4	82	31.2	54	18.6	12	6.1
Franklin	10	5.1	16	12.3	13	8.8	12	7.9	6	NSR
Fulton	4	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Huntingdon	8	NSR	12	27.8	3	NSR	1	NSR	0	NSR
Juniata	6	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Lebanon	29	16.9	24	20.6	12	9.3	4	NSR	2	NSR
Mifflin	13	22.4	13	35.0	2	NSR	0	NSR	0	NSR
Perry	6	NSR	6	NSR	4	NSR	0	NSR	0	NSR
York	54	9.7	177	45.7	117	25.8	62	13.3	14	4.3
Southwest	**689**	**22.8**	**1,774**	**70.4**	**1,035**	**40.8**	**576**	**19.0**	**167**	**6.9**
Allegheny	432	31.8	1,191	92.7	652	58.0	381	28.6	112	10.7
Armstrong	27	35.8	19	35.7	7	NSR	4	NSR	0	NSR
Beaver	68	35.8	66	46.6	50	31.6	14	7.0	5	NSR
Butler	22	9.6	50	32.6	32	17.0	15	7.3	5	NSR
Cambria	16	10.1	58	48.2	49	37.8	23	14.2	8	NSR
Fayette	23	15.5	84	73.6	49	36.9	36	23.1	8	NSR
Greene	9	NSR	7	NSR	1	NSR	0	NSR	0	NSR
Indiana	11	10.2	19	19.2	16	22.0	6	NSR	5	NSR
Somerset	8	NSR	21	32.7	13	17.0	8	NSR	0	NSR
Washington	24	10.1	92	53.6	59	29.3	35	14.5	7	NSR
Westmoreland	49	12.5	167	59.5	107	30.6	54	12.4	17	4.8
Pennsylvania	**3,779**	**24.3**	**9,876**	**80.4**	**5,827**	**47.4**	**3,020**	**22.5**	**780**	**7.6**

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

INJURY HOSPITALIZATIONS: ALL ASSAULT INJURIES

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE PENNSYLVANIA RESIDENTS, 2010-2014



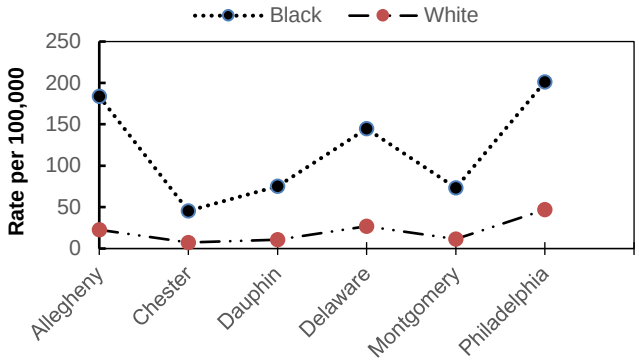
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: ALL ASSAULT INJURIES

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	1,549	183.9	174.8-193.1
Chester	75	45.5	35.2-55.8
Dauphin	187	75.2	64.4-85.9
Delaware	897	144.7	135.2-154.2
Montgomery	276	73.2	64.6-81.9
Philadelphia	6,940	201.3	196.5-206.0
Pennsylvania	11,119	147.8	145.1-150.6



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	1,093	22.7	21.3-24.0
Chester	157	7.4	6.2-8.5
Dauphin	104	10.5	8.5-12.5
Delaware	511	26.9	24.5-29.2
Montgomery	360	11.3	10.1-12.5
Philadelphia	1,695	46.9	44.7-49.1
Pennsylvania	8,582	17.0	16.6-17.4

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	1,281	268	**1,549**	56.0%	314	124.5	735	410.5	294	204.0	175	116.6	31	33.2
	White	81.4%	829	264	**1,093**	39.5%	102	10.3	395	39.2	328	35.6	192	16.7	76	8.2
Chester	Black	6.3%	60	15	**75**	27.4%	11	22.3	36	98.6	24	80.3	4	NSR	0	NSR
	White	86.9%	125	32	**157**	57.3%	14	2.5	65	17.9	35	7.6	37	7.6	6	NSR
Dauphin	Black	18.5%	151	36	**187**	54.0%	29	35.0	93	180.3	39	81.8	22	49.5	4	NSR
	White	74.2%	78	26	**104**	30.1%	6	NSR	34	18.1	29	14.8	27	11.5	8	NSR
Delaware	Black	20.5%	774	123	**897**	59.6%	156	80.0	462	351.4	175	153.7	89	99.0	15	33.0
	White	72.1%	425	86	**511**	34.0%	61	13.1	229	62.3	132	34.7	68	14.9	21	6.0
Montgomery	Black	9.1%	231	45	**276**	35.8%	31	29.1	125	165.6	68	85.8	46	69.3	6	NSR
	White	81.6%	274	86	**360**	46.6%	32	4.2	124	22.2	104	15.6	73	9.9	27	4.7
Philadelphia	Black	44.1%	5,919	1,021	**6,940**	66.1%	866	85.8	3,133	410.7	1,799	281.9	1,004	164.4	138	36.2
	White	44.7%	1,392	303	**1,695**	16.2%	129	18.2	682	68.4	469	75.6	322	52.2	93	18.2
Pennsylvania	Black	11.3%	9,424	1,688	**11,112**	47.8%	1,597	71.1	5,157	312.6	2,702	193.5	1,456	118.0	207	29.3
	White	83.1%	6,566	2,006	**8,572**	36.9%	886	7.4	3,313	34.0	2,381	23.3	1,448	12.3	554	6.0

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

In 2014, among Pennsylvania residents, there were 15,714 injury hospitalizations involving traumatic brain injury (TBI). On average, one resident was hospitalized every 33 minutes.

Injury Definition

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

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

Leading causes of TBI include motor vehicle accidents and falls. These mechanisms account for over 75 percent of all TBI hospitalizations in Pa.

HIGHLIGHTS

- Age-adjusted rates steadily **decreased** from 2010 to 2014.
- Most common demographic is **white males**, 85 and older.
- Of all Pennsylvania counties, **Northampton**, **Jefferson** and **Cameron** had the highest rates.

Trends Over Time

- Age-adjusted hospitalization rates for TBI decreased by 12 percent from 119.8 per 100,000 population in 2010 to 105.1 hospitalizations per 100,000 population in 2014.
- Males had higher age-adjusted TBI hospitalization rates than females from 2010 to 2014 (2014 rates were 134.3 and 77.1 for males and females, respectively). In fact, males had the significantly higher TBI age-adjusted hospitalization rates than females for all age groups in 2010 to 2014.
- Urban populations had significantly higher age-adjusted TBI hospitalization rates than rural populations for ages 45 and older, while rural populations had significantly higher age-adjusted TBI hospitalization rates for ages 15-19 and 25-29.

Demographic Trends

- Among males, blacks had significantly higher age-adjusted TBI hospitalization rates than whites for ages under 75, while whites had significantly higher rates for ages 80 and older from 2010 to 2014.
- Among females, whites had significantly higher age-adjusted TBI hospitalization rates than whites for ages 65 and older, while blacks had higher rates for ages under 15 and 25-59 from 2010 to 2014.

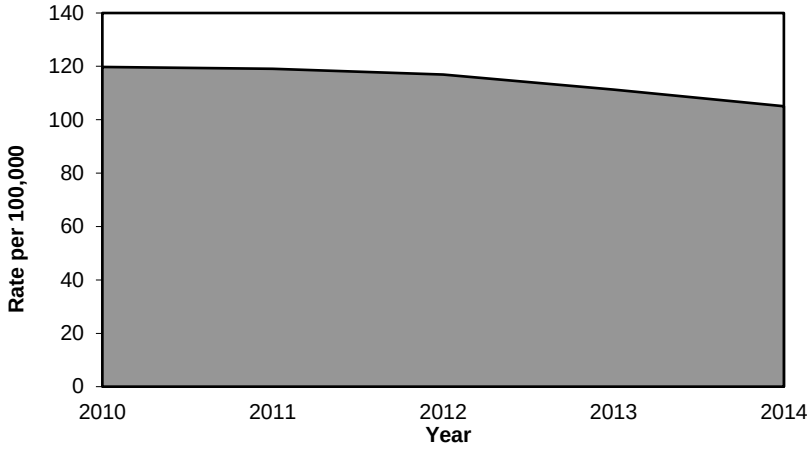
Regional Trends

- The Southwest Health District had the highest age-adjusted TBI hospitalization rate, while the South-Central Health District had the lowest rate.
- Eighteen counties had age-adjusted TBI hospitalization rates for 2010 to 2014 that were significantly higher than the comparable state rate. These were mainly rural counties and were located in the Northeast, Northwest and Southwest Health Districts.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, 2010-2014

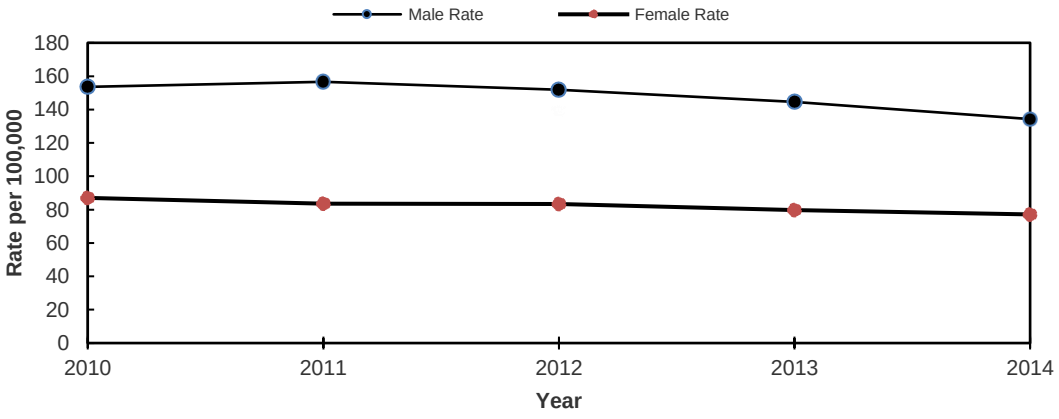
Year	No.	Rate
2010	17,034	119.8
2011	17,166	119.1
2012	17,035	117.0
2013	16,425	111.4
2014	15,714	105.1



NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. Rates are per 100,000. Data for 2010-2014 based on ICD-10 codes. See Technical Notes.

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND AGE-ADJUSTED HOSPITALIZATION RATES BY SEX, PENNSYLVANIA RESIDENTS, 2010-2014

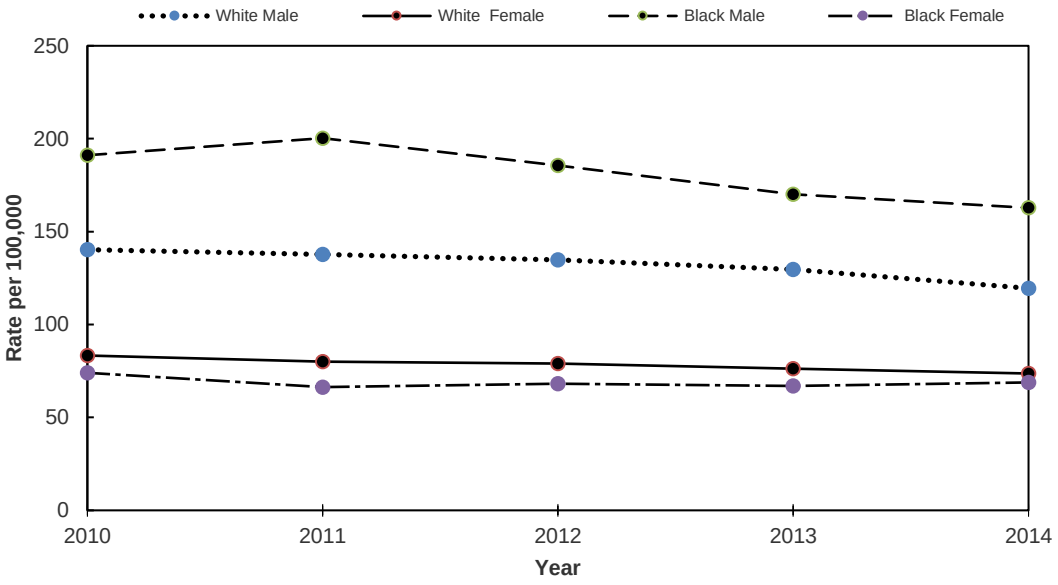
Year	Male No.	Male Rate	Year	Female No.	Female Rate
2010	9,765	153.6	2010	7,249	87.0
2011	10,085	156.6	2011	7,048	83.5
2012	9,860	151.8	2012	7,130	83.4
2013	9,509	144.6	2013	6,868	79.7
2014	8,937	134.3	2014	6,709	77.1



INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND HOSPITALIZATION RATES BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 2010-2014

	Number					Age-Adjusted Rates				
Year	White Male	White Female	Black Male	Black Female	Year	White Male	White Female	Black Male	Black Female
2010	7,572	6,089	1,164	542	2010	140.3	83.3	191.2	74.0
2011	7,740	6,019	1,282	492	2011	137.8	80.1	200.3	66.3
2012	7,632	6,031	1,195	515	2012	134.8	79.1	185.5	68.2
2013	7,445	5,854	1,119	507	2013	129.6	76.2	170.0	67.0
2014	6,949	5,710	1,059	531	2014	119.5	73.7	162.8	68.9



AGE-ADJUSTED HOSPITALIZATION RATES BY SEX AND METROPOLITAN STATUS, PENNSYLVANIA RESIDENTS, 2010-2014

Year	Urban Male	Rural Male	Urban Female	Rural Female
2010	159.1	140.7	87.2	87.0
2011	163.6	139.8	83.7	83.2
2012	155.6	142.5	83.8	82.9
2013	147.7	137.3	79.9	79.8
2014	139.5	122.0	77.0	78.0

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

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES, PENNSYLVANIA RESIDENTS, BY SEX OR METROPOLITAN STATUS, 2010-2014

AGE	PA TOTAL		MALE		FEMALE			URBAN		RURAL		
GROUP	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**83,382**	**130.8**	**48,163**	**154.7**	**35,005**	**107.3**		**61,315**	**131.9**	**22,067**	**127.7**	
< 5	1,265	35.1	772	41.9	484	27.5	*	951	35.0	314	35.5	
5-9	970	26.0	637	33.4	328	17.9	*	737	26.5	233	24.4	
10-14	1,504	38.6	1,057	53.1	441	23.2	*	1,100	38.3	404	39.5	
15-19	3,921	90.3	2,724	122.9	1,173	55.2	*	2,755	87.3	1,166	98.3	*
20-24	5,121	116.5	3,766	169.1	1,331	61.4	*	3,783	119.1	1,338	109.6	*
25-29	3,860	95.0	2,814	137.0	1,039	51.7	*	2,888	92.5	972	103.2	*
30-34	3,117	81.6	2,258	117.9	855	44.9	*	2,281	78.9	836	89.7	*
35-39	2,805	76.8	2,005	110.1	793	43.3	*	2,048	76.0	757	79.1	
40-44	3,302	79.9	2,321	113.2	971	46.7	*	2,403	79.7	899	80.6	
45-49	4,203	93.0	2,927	131.3	1,262	55.1	*	3,133	95.3	1,070	86.8	*
50-54	4,907	100.9	3,362	140.8	1,536	62.1	*	3,641	103.4	1,266	94.3	*
55-59	4,921	107.1	3,227	143.6	1,675	71.3	*	3,682	111.8	1,239	95.2	*
60-64	4,679	118.8	2,967	156.1	1,704	83.6	*	3,471	124.3	1,208	105.4	*
65-69	4,568	150.6	2,625	183.8	1,929	120.2	*	3,278	154.6	1,290	141.4	*
70-74	5,066	222.9	2,762	267.7	2,295	184.9	*	3,649	232.1	1,417	202.2	*
75-79	6,251	348.1	3,060	396.8	3,178	310.1	*	4,566	364.4	1,685	310.4	*
80-84	8,326	553.8	3,619	610.3	4,693	515.5	*	6,115	573.3	2,211	506.3	*
85 +	14,596	909.6	5,260	1,023.7	9,318	854.2	*	10,834	935.4	3,762	842.5	*

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

NOTES: Rates are per 100,000 population in the specified group. Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.
Missing or unknown ages are included in the total. Definitions of urban and rural, at the county level, are taken from the Center for Rural Pennsylvania.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY AGE GROUP WITH AVERAGE ANNUAL HOSPITALIZATION RATES

PENNSYLVANIA RESIDENTS, BY SEX AND RACE, 2010-2014

AGE	WHITE MALE		BLACK MALE			WHITE FEMALE		BLACK FEMALE		
GROUP	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
TOTAL	**37,343**	**144.1**	**5,820**	**167.8**		**29,704**	**109.8**	**2,587**	**68.7**	
< 5	430	31.2	151	54.7	*	280	21.4	103	38.5	*
5-9	357	24.3	159	59.1	*	212	15.2	51	19.5	*
10-14	730	46.8	167	59.9	*	316	21.3	60	22.5	
15-19	1,934	111.2	444	137.7	*	921	55.3	136	44.6	*
20-24	2,644	151.7	607	185.4	*	967	57.2	171	53.1	
25-29	1,938	117.5	444	172.1	*	760	47.8	152	57.2	*
30-34	1,516	97.9	370	160.1	*	610	40.3	132	53.7	*
35-39	1,396	94.0	310	147.0	*	610	41.4	103	45.2	
40-44	1,636	95.6	376	166.5	*	738	43.1	125	51.0	
45-49	2,133	112.2	482	208.0	*	1,005	52.1	149	58.5	
50-54	2,479	119.3	525	231.4	*	1,223	57.5	173	67.4	*
55-59	2,492	125.6	454	234.0	*	1,386	67.8	173	76.5	
60-64	2,368	139.3	366	250.3	*	1,439	80.3	142	77.3	
65-69	2,177	168.4	238	242.6	*	1,653	115.8	120	90.3	*
70-74	2,361	251.8	214	315.9	*	1,987	178.7	140	140.3	*
75-79	2,683	379.4	168	353.8		2,830	305.7	159	201.3	*
80-84	3,275	592.4	154	494.6	*	4,243	507.5	184	300.2	*
85 +	4,794	993.6	191	762.3	*	8,524	839.2	314	489.4	*

* 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.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

TOTAL NUMBER OF INJURY HOSPITALIZATIONS BY SEX, AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), HEALTH DISTRICT AND COUNTY, PENNSYLVANIA RESIDENTS, 2010-2014

District/County	No. *	Rate	CI (95%)		Male		Female	
					No.	Rate	No.	Rate
Northeast	**11,398**	**122.9**	**120.6-125.1**	**+**	**6,190**	**157.6**	**5,069**	**124.4**
Carbon	546	149.5	136.9-162.0	+	286	178.3	258	157.1
Lackawanna	1,396	103.6	98.2-109.1	-	702	136.1	652	117.7
Lehigh	2,493	125.1	120.2-130.0	+	1,392	161.7	1,100	120.9
Luzerne	2,018	102.3	97.8-106.7	-	1,031	131.2	942	115.5
Monroe	1,021	117.7	110.5-124.9		598	143.9	416	97.5
Northampton	2,968	170.9	164.7-177.0	+	1,645	224.6	1,321	173.0
Pike	211	69.0	59.7-78.3	-	116	81.7	86	60.6
Susquehanna	217	87.9	76.2-99.6	-	123	114.5	87	82.1
Wayne	317	108.8	96.9-120.8		182	132.5	119	96.4
Wyoming	211	137.0	118.5-155.5	+	115	162.8	88	125.2
North-Central	**3,734**	**93.9**	**90.9-96.9**	**-**	**2,131**	**120.4**	**1,555**	**88.6**
Bradford	457	134.2	121.9-146.5	+	270	174.9	184	116.4
Centre	650	84.8	78.3-91.3	-	363	89.7	284	76.1
Clinton	179	80.7	68.9-92.6	-	95	98.1	79	78.4
Columbia	369	97.2	87.3-107.1	-	209	129.5	155	89.0
Lycoming	594	86.5	79.5-93.4	-	334	116.6	250	84.2
Montour	134	121.4	100.8-141.9		69	156.3	65	135.6
Northumberland	599	109.7	101.0-118.5		335	141.9	258	109.5
Potter	83	85.2	66.9-103.5	-	43	98.5	39	89.6
Snyder	173	77.6	66.0-89.1	-	104	105.7	66	65.3
Sullivan	43	109.0	76.4-141.6		25	150.7	18	NSR
Tioga	216	93.7	81.2-106.2	-	133	127.5	79	73.5
Union	237	97.3	84.9-109.7	-	151	122.2	78	77.3
Northwest	**6,242**	**116.4**	**113.5-119.3**		**3,577**	**156.5**	**2,664**	**114.6**
Cameron	49	153.0	110.2-195.9		25	205.3	24	191.3
Clarion	263	118.1	103.9-132.4		144	149.8	119	117.3
Clearfield	564	123.7	113.5-134.0		334	158.4	229	117.0
Crawford	644	129.5	119.5-139.5	+	358	166.6	286	127.2
Elk	266	138.6	122.0-155.3	+	148	187.8	118	149.2
Erie	1,900	122.9	117.3-128.4	+	1,130	163.8	770	108.3
Forest	47	96.5	68.9-124.1		32	125.2	15	NSR
Jefferson	401	154.2	139.1-169.3	+	245	220.2	156	137.7
Lawrence	676	113.8	105.2-122.4		332	153.1	344	147.7
McKean	221	92.3	80.1-104.4	-	132	120.1	89	84.5
Mercer	571	76.0	69.7-82.2	-	295	103.9	276	93.7
Venango	349	112.6	100.8-124.4		219	164.5	130	94.1
Warren	291	126.2	111.7-140.7		183	177.7	108	104.8
Southeast	**32,778**	**116.6**	**115.3-117.9**	**+**	**19,749**	**159.1**	**13,009**	**98.1**
Berks	2,490	107.5	103.3-111.7	-	1,477	145.6	1,011	96.2
Bucks	3,664	103.9	100.6-107.3	-	2,020	131.5	1,643	102.9
Chester	2,326	86.2	82.6--89.7	-	1,284	103.2	1,042	81.0
Delaware	4,644	147.5	143.2-151.7	+	2,737	203.5	1,907	130.7
Lancaster	2,854	96.5	93.0-100.0	-	1,674	130.1	1,179	87.6
Montgomery	4,244	89.1	86.4-91.8	-	2,407	122.7	1,835	88.2
Philadelphia	11,492	146.0	143.4-148.7	+	7,554	207.1	3,937	96.6
Schuylkill	1,064	121.6	114.3-128.9		596	159.2	455	125.9
South-Central	**8,756**	**92.9**	**91.0-94.9**	**-**	**5,131**	**123.5**	**3,620**	**84.4**
Adams	483	85.1	77.5-92.7	-	297	118.9	186	72.2
Bedford	342	123.1	110.1-136.1		209	170.1	133	107.3
Blair	1,006	135.3	127.0-143.7	+	581	188.5	425	130.6
Cumberland	1,143	82.1	77.4-86.9	-	633	107.4	510	83.9
Dauphin	1,213	84.3	79.6-89.1	-	719	110.1	494	71.0
Franklin	673	75.3	69.6-81.0	-	366	98.8	307	79.5
Fulton	94	120.8	96.4-145.2		58	156.3	36	98.3
Huntingdon	304	119.7	106.3-133.2		177	145.6	126	117.1
Juniata	132	95.8	79.5-112.2	-	78	126.6	54	87.2
Lebanon	678	86.5	79.9-93.0	-	404	122.4	274	79.5
Mifflin	280	105.7	93.3-118.0		160	139.6	116	97.6
Perry	255	110.3	96.7-123.8		165	143.7	90	78.9
York	2,153	91.5	87.7-95.	-	1,284	118.7	869	78.4
Southwest	**20,474**	**123.7**	**122.0-125.4**	**+**	**11,385**	**173.0**	**9,088**	**131.0**
Allegheny	9,633	127.3	124.8-129.9	+	5,340	181.0	4,293	134.5
Armstrong	492	123.5	112.5-134.4		268	158.5	224	129.7
Beaver	1,095	104.7	98.5-110.9	-	630	153.1	465	105.9
Butler	1,194	111.9	105.5-118.2		661	144.9	533	113.6
Cambria	1,227	137.4	129.7-145.0	+	691	197.5	536	150.0
Fayette	899	110.9	103.6-118.1		496	148.9	403	117.0
Greene	95	46.2	36.9-55.5	-	55	55.7	40	43.3
Indiana	654	131.7	121.6-141.8	+	379	172.2	275	124.0
Somerset	619	131.1	120.8-141.4	+	345	173.5	273	146.7
Washington	1,655	134.5	128.0141.0	+	910	179.3	745	139.6
Westmoreland	2,911	129.3	124.6-134.0	+	1,610	181.9	1,301	139.9
Pennsylvania	**83,382**	**114.5**	**113.7-115.3**		**48,163**	**154.7**	**35,005**	**107.3**

* Counts include unknowns. Therefore, this will be slightly higher than the sum for males and females.

NOTES: 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

TOTAL NUMBER OF INJURY HOSPITALIZATIONS AND ANNUAL HOSPITALIZATION RATES BY COUNTY AND AGE GROUPS, PENNSYLVANIA RESIDENTS, 2010-2014

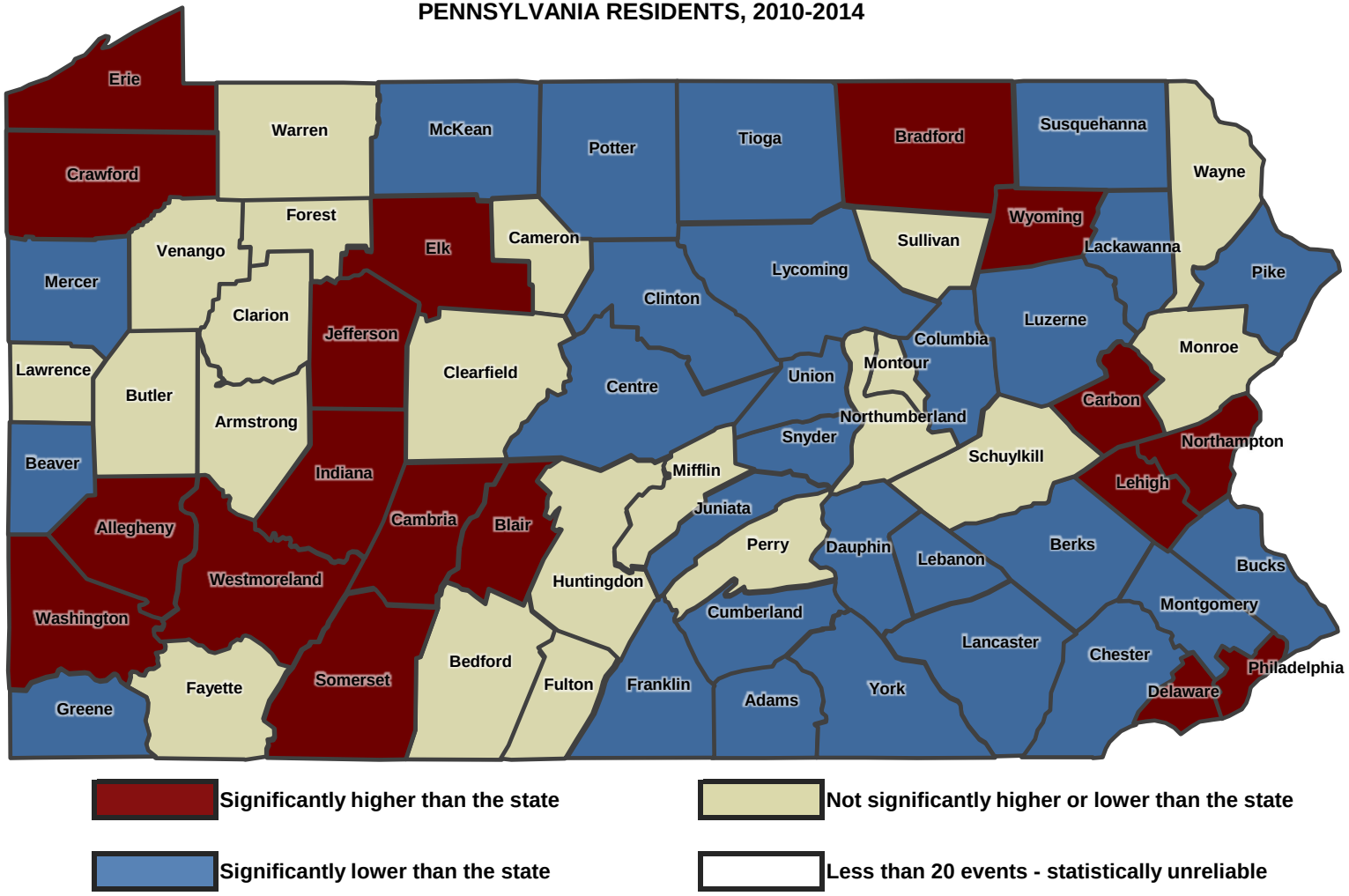
District/County	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Northeast	**1,048**	**54.4**	**1,607**	**113.4**	**1,373**	**86.8**	**1,894**	**109.7**	**5,476**	**404.9**
Carbon	58	80.5	76	149.5	76	115.1	92	122.5	244	402.4
Lackawanna	95	38.3	135	67.4	141	70.6	238	104.6	787	405.1
Lehigh	262	57.3	373	112.3	277	78.4	416	116.5	1,165	429.4
Luzerne	153	42.3	253	87.4	240	76.5	314	91.8	1,058	359.2
Monroe	121	55.2	189	132.5	131	75.5	206	108.4	374	320.5
Northampton	249	68.2	438	163.7	384	129.0	458	143.6	1,439	583.9
Pike	44	64.6	24	62.1	36	61.8	44	65.5	63	121.7
Susquehanna	21	43.6	31	96.5	21	52.4	37	70.3	107	264.3
Wayne	27	50.8	51	127.7	42	81.1	51	79.7	146	281.6
Wyoming	18	54.0	37	155.6	25	92.9	38	117.2	93	379.7
North-Central	**464**	**55.9**	**557**	**71.9**	**442**	**69.8**	**595**	**83.7**	**1,676**	**290.2**
Bradford	54	70.5	74	151.4	62	105.9	83	117.8	184	317.6
Centre	80	45.0	101	39.0	64	51.5	84	67.4	321	347.4
Clinton	37	74.0	17	40.6	23	67.8	31	79.7	71	215.7
Columbia	42	52.4	59	83.1	36	60.4	80	116.1	152	272.2
Lycoming	62	44.8	82	72.4	58	53.9	91	72.6	301	305.0
Montour	15	70.9	19	120.0	13	78.2	15	71.9	72	408.6
Northumberland	71	67.8	83	101.5	77	84.8	94	90.0	274	305.1
Potter	12	57.8	12	93.6	9	NSR	16	79.5	34	190.0
Snyder	17	32.5	36	96.0	18	48.3	28	69.4	74	231.0
Sullivan	9	NSR	5	NSR	10	194.3	13	155.4	6	NSR
Tioga	30	59.3	40	105.8	32	85.8	33	71.2	81	204.3
Union	35	68.4	29	57.9	40	85.4	27	64.6	106	306.4
Northwest	**589**	**53.2**	**922**	**112.3**	**795**	**92.2**	**1,137**	**112.3**	**2,799**	**346.3**
Cameron	8	159.1	7	NSR	9	NSR	8	124.1	17	307.5
Clarion	30	64.1	37	88.3	27	78.6	45	110.4	124	366.5
Clearfield	61	70.0	82	115.2	103	120.5	94	105.5	224	303.5
Crawford	69	62.7	97	131.0	70	86.0	114	116.9	294	384.0
Elk	15	42.6	37	166.9	28	87.4	62	165.1	124	400.3
Erie	170	47.1	349	124.0	256	100.0	372	127.5	753	356.7
Forest	9	NSR	4	NSR	11	143.3	16	193.6	7	NSR
Jefferson	28	52.5	69	186.0	58	138.5	68	135.9	178	421.9
Lawrence	44	41.8	57	78.6	65	78.8	106	103.3	404	465.8
McKean	46	90.3	36	94.7	41	96.8	34	73.3	64	169.8
Mercer	44	31.6	48	49.8	52	49.0	106	83.9	321	290.4
Venango	26	41.5	54	128.7	44	89.0	54	81.6	171	334.4
Warren	39	85.1	45	144.2	31	80.2	58	116.6	118	291.1
Southeast	**3,217**	**48.7**	**5,105**	**97.5**	**4,313**	**86.0**	**5,939**	**115.9**	**14,204**	**384.7**
Berks	251	45.9	335	88.4	306	74.9	409	97.9	1,189	380.3
Bucks	313	40.8	484	95.2	402	62.0	659	91.5	1,806	369.4
Chester	157	22.9	332	76.3	253	47.7	405	75.8	1,179	340.2
Delaware	412	56.0	709	130.1	580	107.8	853	148.1	2,090	509.0
Lancaster	371	51.6	385	77.4	320	65.5	457	88.6	1,321	320.1
Montgomery	333	33.2	488	67.9	451	54.2	695	81.5	2,277	358.3
Philadelphia	1,297	65.4	2,218	109.4	1,856	130.7	2,272	169.1	3,849	405.8
Schuylkill	83	51.9	154	122.6	145	95.8	189	116.9	493	359.9
South-Central	**994**	**47.5**	**1,268**	**83.7**	**1,042**	**62.3**	**1,439**	**80.4**	**4,013**	**291.9**
Adams	57	45.8	59	68.6	51	50.6	68	61.6	248	288.0
Bedford	38	66.5	52	139.6	47	97.3	61	110.0	144	295.9
Blair	84	56.2	142	127.3	134	113.9	197	142.8	449	384.1
Cumberland	120	42.2	154	65.8	113	48.2	173	69.5	583	299.1
Dauphin	158	46.6	190	72.4	153	58.3	205	70.7	507	259.8
Franklin	85	43.5	63	48.5	58	39.1	89	58.7	378	288.1
Fulton	15	83.7	17	147.7	13	86.3	10	64.0	39	286.8
Huntingdon	24	46.7	58	134.5	49	106.2	51	104.9	122	306.0
Juniata	18	57.6	23	113.4	12	50.5	15	58.5	64	284.4
Lebanon	93	54.4	103	88.2	60	46.6	102	73.3	320	268.6
Mifflin	30	51.7	39	105.1	40	90.1	44	90.5	127	280.1
Perry	57	100.0	31	81.1	35	74.4	48	90.9	84	248.3
York	215	38.7	337	87.1	277	61.0	376	80.9	948	289.4
Southwest	**1,426**	**47.2**	**2,612**	**103.7**	**2,378**	**93.7**	**3,517**	**115.8**	**10,541**	**438.5**
Allegheny	623	45.8	1,162	90.5	1,051	93.5	1,719	128.9	5,078	487.4
Armstrong	39	51.7	70	131.5	71	106.8	91	112.5	221	336.4
Beaver	74	38.9	122	86.1	150	94.7	205	103.2	544	336.0
Butler	97	42.5	171	111.5	128	67.9	203	98.3	595	401.6
Cambria	69	43.7	169	140.4	133	102.6	202	124.6	654	476.9
Fayette	68	45.8	126	110.4	110	82.8	141	90.3	454	360.2
Greene	15	34.8	13	35.8	24	62.1	13	30.7	30	97.4
Indiana	49	45.7	114	115.0	86	118.3	104	114.6	301	418.0
Somerset	52	65.0	83	129.4	71	92.8	89	99.6	324	432.9
Washington	143	60.1	197	114.8	240	119.1	284	117.7	791	418.8
Westmoreland	197	50.1	385	137.1	314	89.7	466	107.3	1,549	434.5
Pennsylvania	**7,738**	**49.7**	**12,071**	**98.3**	**10,343**	**84.1**	**14,521**	**108.4**	**38,709**	**379.1**

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 HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

AGE-ADJUSTED HOSPITALIZATION RATES BY COUNTY, WITH SIGNIFICANT DIFFERENCES VERSUS THE STATE

PENNSYLVANIA RESIDENTS, 2010-2014



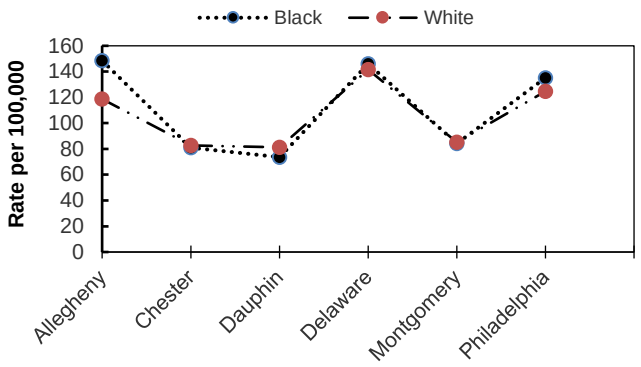
NOTES: Age-adjusted rates are computed by the direct method using the 2000 standard million population. See Technical Notes.

INJURY HOSPITALIZATIONS: TRAUMATIC BRAIN INJURY

NUMBER AND AGE-ADJUSTED HOSPITALIZATION RATES WITH CONFIDENCE INTERVALS (CI), BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

BLACK POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	1,212	148.5	140.1-156.9
Chester	121	81.1	66.6-95.5
Dauphin	172	73.6	62.6-84.6
Delaware	781	146.0	135.8-156.3
Montgomery	301	84.3	74.7-93.8
Philadelphia	4,551	135.2	131.3-139.1
Pennsylvania	8,411	120.9	118.3-123.5



WHITE POPULATION BY COUNTY

County	No.	Rate	CI (95%)
Allegheny	7,893	118.6	116.0-121.2
Chester	2,025	82.7	79.1-86.3
Dauphin	936	81.2	76.0-86.5
Delaware	3,572	141.5	136.9-146.2
Montgomery	3,526	85.2	82.3-88.0
Philadelphia	4,860	124.7	121.2-128.2
Pennsylvania	67,244	105.1	104.3-105.9

NUMBER FOR SELECT AGE GROUPS AND AVERAGE ANNUAL HOSPITALIZATION RATES BY RACE FOR SELECT COUNTIES, PENNSYLVANIA RESIDENTS, 2010-2014

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.	Rate	No.	Rate
Allegheny	Black	13.3%	815	397	**1,212**	12.6%	202	80.1	264	147.5	199	138.1	270	179.8	277	297.0
	White	81.4%	4,207	3,686	**7,893**	81.9%	391	39.6	769	76.2	773	84.0	1,356	117.6	4,604	494.0
Chester	Black	6.3%	76	45	**121**	5.2%	8	NSR	30	82.2	23	77.0	17	60.1	43	260.5
	White	86.9%	1,085	940	**2,025**	87.1%	130	22.9	258	70.9	200	43.7	357	73.2	1,080	335.9
Dauphin	Black	18.5%	121	51	**172**	14.2%	32	38.6	43	83.4	34	71.3	30	67.5	33	141.8
	White	74.2%	522	414	**936**	77.2%	108	50.2	105	56.0	99	50.5	165	70.3	459	274.7
Delaware	Black	20.5%	541	240	**781**	16.8%	137	70.3	213	162.0	136	119.5	156	173.5	139	305.8
	White	72.1%	2,001	1,571	**3,572**	76.9%	229	49.1	434	118.1	389	102.4	644	140.8	1,876	534.4
Montgomery	Black	9.1%	204	97	**301**	7.1%	38	35.6	55	72.9	48	60.6	66	99.4	94	234.6
	White	81.6%	1,948	1,576	**3,524**	83.1%	235	30.6	358	64.1	348	52.1	571	77.7	2,014	354.3
Philadelphia	Black	44.1%	3,173	1,378	**4,551**	39.6%	632	62.6	936	122.7	867	135.8	1,029	168.5	1,087	285.4
	White	44.7%	2,915	1,944	**4,859**	42.3%	232	32.8	744	74.6	659	106.3	934	151.5	2,291	447.7
Pennsylvania	Black	11.3%	5,820	2,587	**8,407**	10.1%	1,272	56.6	1,878	113.8	1,545	110.7	1,833	148.6	1,883	266.5
	White	83.1%	37,343	29,704	**67,047**	80.6%	5,221	43.5	8,466	86.9	7,548	73.9	11,421	97.4	34,588	372.3

NOTES: Selected counties had high population (at least 2 percent of state population) and a high incidence (count).

Rates based on less than 10 events are unreliable and were not calculated. See Technical Notes.

Appendices

LEADING CAUSES OF INJURY DEATH

In 2010 to 2014, the leading causes of injury deaths among Pennsylvania residents were unintentional poisoning, unintentional falls, motor vehicle traffic (MVT) accidents, suicide by firearm and homicide by firearm. These five causes accounted for 72 percent of injury deaths.

Overview

Unintentional falls were the leading cause of injury deaths among females, while unintentional poisoning was the leading cause of injury deaths among males.

The top leading cause varied by race: homicide by firearm for blacks and unintentional poisoning for whites.

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 under age 20.
- **Homicide by firearm** leads among blacks under age 35.

Young Injury Deaths

- During 2010 to 2014, MVT accidents were the leading cause of injury death among youths younger than age 20, and they ranked second for ages 20-49 and ages 65 and older.
- Homicide by firearm was the leading cause of injury death among black youths younger than age 20. The cause ranked ninth among white youths younger than age 20.
- Self-inflicted firearm and unintentional drowning deaths ranked sixth and seventh among youths younger than age 20.

Violent Deaths

- During 2010 to 2014, 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 violent deaths.
- Suicide by poisoning was the leading cause of violent death among females, whereas the cause ranked fourth among males.
- Death by firearm was the main form of homicide in both males and females, especially among ages 20-49. Males, ages 20-34, lead in homicide deaths by firearms, accounting for over half of all homicide deaths by firearm during 2010 to 2014.
- Death by firearm was the main form of suicide among males, especially for ages 50-64. Poisoning was the main form of suicide among females, especially for ages 50-64, during 2010 to 2014.

Fatal traumatic Brain Injuries

- During 2010 to 2014, 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 injury deaths involving traumatic brain injury.
- Suicide by firearm was the leading cause of fatal traumatic brain injury among males, whereas the cause ranked third among females.

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

LEADING CAUSES OF INJURY DEATH: 2010-2014

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.) **10,576**	Poison (Unint.) 7,016	Fall (Unint.) 3,752	MVT (Unint.) 663	Poison (Unint.) 3,511	Poison (Unint.) 3,763	Poison (Unint.) 2,749	Fall (Unint.) 6,529
2	Fall (Unint.) **7,576**	MVT (Unint.) 4,423	Poison (Unint.) 3,560	Firearm (Assault) 356	MVT (Unint.) 1,789	MVT (Unint.) 1,226	Firearm (Self-Inf.) 1,330	MVT (Unint.) 1,481
3	MVT (Unint.) **6,319**	Fall (Unint.) 3,824	MVT (Unint.) 1,896	Poison (Unint.) 240	Firearm (Assault) 1,284	Firearm (Self-Inf.) 1,016	MVT (Unint.) 1,246	Suffocation (Unint.) 1,126
4	Firearm (Self-Inf.) **4,314**	Firearm (Self-Inf.) 3,811	Suffocation (Unint.) 769	Suffocation (Unint.) 197	Firearm (Self-Inf.) 819	Suffocation (Self-Inf.) 622	Fall (Unint.) 775	Firearm (Self-Inf.) 1,021
5	Firearm (Assault) **2,395**	Firearm (Assault) 2,063	Poison (Self-Inf.) 633	Suffocation (Self-Inf.) 184	Suffocation (Self-Inf.) 643	Firearm (Assault) 548	Suffocation (Self-Inf.) 553	Poison (Unint.) 371
6	Suffocation (Self-Inf.) **2,117**	Suffocation (Self-Inf.) 1,652	Firearm (Self-Inf.) 503	Firearm (Self-Inf.) 165	Poison (Self-Inf.) 219	Poison (Self-Inf.) 449	Poison (Self-Inf.) 533	Fire/Burn (Unint.) 259
7	Suffocation (Unint.) **1,719**	Suffocation (Unint.) 950	Suffocation (Self-Inf.) 465	Drowning (Unint.) 124	Poison (Undet.) 118	Fall (Unint.) 206	Suffocation (Unint.) 253	Poison (Self-Inf.) 194
8	Poison (Self-Inf.) **1,402**	Poison (Self-Inf.) 769	Firearm (Assault) 332	Fire/Burn (Unint.) 112	Transport (Unint.) 108	Poison (Undet.) 172	Fire/Burn (Unint.) 184	Suffocation (Self-Inf.) 164
9	Fire/Burn (Unint.) **692**	Transport (Unint.) 426	Fire/Burn (Unint.) 303	Transport (Unint.) 72	Cut/Pierce (Assault) 100	Transport (Unint.) 117	Firearm (Assault) 179	Nat/Env. (Unint.) 160
10	Transport (Unint.) **533**	Drowning (Unint.) 414	Poison (Undet.) 253	Fall (Unint.) 32	Drowning (Unint.) 93	Suffocation (Unint.) 109	Poison (Undet.) 141	Transport (Unint.) 125

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: 2010-2014

PENNSYLVANIA RESIDENTS BY GENDER AND AGE GROUP

	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
RANK	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	MVT (Unint.) 420	MVT (Unint.) 243	Poison (Unint.) 2,559	Poison (Unint.) 952	Poison (Unint.) 2,376	Poison (Unint.) 1,387	Poison (Unint.) 1,741	Poison (Unint.) 1,008	Fall (Unint.) 3,090	Fall (Unint.) 3,439
2	Firearm (Assault) 319	Suffocation (Unint.) 72	MVT (Unint.) 1,354	MVT (Unint.) 435	MVT (Unint.) 932	MVT (Unint.) 294	Firearm (Self-Inf.) 1,180	MVT (Unint.) 320	Firearm (Self-Inf.) 947	MVT (Unint.) 630
3	Poison (Unint.) 189	Suffocation (Self-Inf.) 60	Firearm (Assault) 1,173	Suffocation (Self-Inf.) 139	Firearm (Self-Inf.) 853	Poison (Self-Inf.) 202	MVT (Unint.) 926	Poison (Self-Inf.) 265	MVT (Unint.) 851	Suffocation (Unint.) 560
4	Firearm (Self-Inf.) 146	Poison (Unint.) 51	Firearm (Self-Inf.) 718	Firearm (Assault) 111	Suffocation (Self-Inf.) 497	Firearm (Self-Inf.) 163	Fall (Unint.) 536	Fall (Unint.) 239	Suffocation (Unint.) 566	Poison (Unint.) 182
5	Suffocation (Unint.) 125	Fire/Burn (Unint.) 49	Suffocation (Self-Inf.) 504	Firearm (Self-Inf.) 101	Firearm (Assault) 439	Suffocation (Self-Inf.) 125	Suffocation (Self-Inf.) 445	Firearm (Self-Inf.) 150	Poison (Unint.) 189	Fire/Burn (Unint.) 120
6	Suffocation (Self-Inf.) 124	Firearm (Assault) 37	Poison (Self-Inf.) 129	Poison (Self-Inf.) 90	Poison (Self-Inf.) 247	Firearm (Assault) 109	Poison (Self-Inf.) 268	Suffocation (Self-Inf.) 108	Fire/Burn (Unint.) 139	Poison (Self-Inf.) 77
7	Drowning (Unint.) 102	Drowning (Unint.) 22	Transport (Unint.) 87	Poison (Undet.) 57	Fall (Unint.) 146	Poison (Undet.) 92	Suffocation (Unint.) 161	Suffocation (Unint.) 92	Suffocation (Self-Inf.) 118	Firearm (Self-Inf.) 74
8	Fire/Burn (Unint.) 63	Firearm (Self-Inf.) 19	Fall (Unint.) 72	Fire/Burn (Unint.) 34	Transport (Unint.) 90	Fall (Unint.) 60	Firearm (Assault) 137	Poison (Undet.) 80	Poison (Self-Inf.) 117	Nat/Env. (Unint.) 71
9	Transport (Unint.) 54	Transport (Unint.) 18	Drowning (Unint.) 71	Cut/Pierce (Assault) 30	Poison (Undet.) 80	Suffocation (Unint.) 35	Fire/Burn (Unint.) 114	Fire/Burn (Unint.) 70	Transport (Unint.) 99	Suffocation (Self-Inf.) 46
10	Firearm (Unint.) 21	Fall (Unint.) 14	Cut/Pierce (Assault) 70	Fall (Unint.) 21	Suffocation (Unint.) 74	Fire/Burn (Unint.) 34	Drowning (Unint.) 108	Firearm (Assault) 42	Nat/Env. (Unint.) 89	Firearm (Assault) 38

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: 2010-2014

PENNSYLVANIA RESIDENTS BY RACE AND AGE GROUP

	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
RANK	White	Black	White	Black	White	Black	White	Black	White	Black
1	MVT (Unint.) 351	Firearm (Assault) 183	Poison (Unint.) 1,755	Firearm (Assault) 591	Poison (Unint.) 1,793	Poison (Unint.) 232	Poison (Unint.) 1,187	Poison (Unint.) 264	Fall (Unint.) 3,609	Fall (Unint.) 119
2	Poison (Unint.) 124	MVT (Unint.) 46	MVT (Unint.) 913	MVT (Unint.) 125	MVT (Unint.) 660	Firearm (Assault) 182	Firearm (Self-Inf.) 719	MVT (Unint.) 59	MVT (Unint.) 824	Suffocation (Unint.) 45
3	Firearm (Self-Inf.) 91	Suffocation (Unint.) 36	Firearm (Self-Inf.) 425	Poison (Unint.) 96	Firearm (Self-Inf.) 576	MVT (Unint.) 76	MVT (Unint.) 642	Fall (Unint.) 44	Suffocation (Unint.) 596	MVT (Unint.) 34
4	Suffocation (Self-Inf.) 91	Fire/Burn (Unint.) 28	Suffocation (Self-Inf.) 310	Firearm (Self-Inf.) 50	Suffocation (Self-Inf.) 313	Cut/Pierce (Assault) 28	Fall (Unint.) 396	Firearm (Assault) 35	Firearm (Self-Inf.) 562	Poison (Unint.) 29
5	Suffocation (Unint.) 73	Drowning (Unint.) 16	Poison (Self-Inf.) 116	Suffocation (Self-Inf.) 32	Poison (Self-Inf.) 255	Suffocation (Self-Inf.) 24	Poison (Self-Inf.) 304	Firearm (Self-Inf.) 19	Poison (Unint.) 171	Fire/Burn (Unint.) 15
6	Drowning (Unint.) 54	Suffocation (Self-Inf.) 15	Firearm (Assault) 115	Cut/Pierce (Assault) 32	Fall (Unint.) 108	Firearm (Self-Inf.) 23	Suffocation (Self-Inf.) 276	Fire/Burn (Unint.) 19	Fire/Burn (Unint.) 132	Nat/Env. (Unint.) 12
7	Transport (Unint.) 38	Poison (Unint.) 8	Poison (Undet.) 65	Transport (Unint.) 10	Firearm (Assault) 101	Poison (Undet.) 12	Suffocation (Unint.) 127	Suffocation (Unint.) 17	Poison (Self-Inf.) 113	Firearm (Self-Inf.) 10
8	Fire/Burn (Unint.) 38	Firearm (Self-Inf.) 8	Transport (Unint.) 48	Firearm (Unint.) 10	Poison (Undet.) 100	Fall (Unint.) 10	Fire/Burn (Unint.) 92	Cut/Pierce (Assault) 15	Nat/Env. (Unint.) 81	Suffocation (Self-Inf.) 5
9	Firearm (Assault) 32	Cut/Pierce (Assault) 5	Fall (Unint.) 43	Fall (Unint.) 9	Transport (Unint.) 67	Suffocation (Unint.) 9	Poison (Undet.) 78	Suffocation (Self-Inf.) 11	Suffocation (Self-Inf.) 77	Firearm (Assault) 3
10	Fall (Unint.) 15	Fall (Unint.) 4	Drowning (Unint.) 35	Drowning (Unint.) 9	Suffocation (Unint.) 61	Drowning (Unint.) 6	Transport (Unint.) 65	Nat/Env. (Unint.) 10	Transport (Unint.) 67	Drowning (Unint.) 3

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LEADING CAUSES OF INJURY DEATH: 2010-2014

PENNSYLVANIA RESIDENTS BY RACE OR ETHNICITY, GENDER AND TRAUMATIC BRAIN INJURY

	RACE			MALES		FEMALES		TBI		
RANK	White	Black		White	Black	White	Black	Total	Males	Females
1	Poison (Unint.) 5,030	Firearm (Assault) 994		Poison (Unint.) 3,344	Firearm (Assault) 933	Fall (Unint.) 2,088	Poison (Unint.) 201	Fall (Unint.) 4,146	Firearm (Self-Inf.) 3,228	Fall (Unint.) 1,789
2	Fall (Unint.) 4,171	Poison (Unint.) 629		MVT (Unint.) 2,351	Poison (Unint.) 428	Poison (Unint.) 1,686	MVT (Unint.) 97	Firearm (Self-Inf.) 3,636	Fall (Unint.) 2,357	MVT (Unint.) 557
3	MVT (Unint.) 3,390	MVT (Unint.) 340		Firearm (Self-Inf.) 2,094	MVT (Unint.) 243	MVT (Unint.) 1,039	Fall (Unint.) 81	MVT (Unint.) 2,026	MVT (Unint.) 1,469	Firearm (Self-Inf.) 408
4	Firearm (Self-Inf.) 2,373	Fall (Unint.) 186		Fall (Unint.) 2,083	Fall (Unint.) 105	Suffocation (Unint.) 404	Firearm (Assault) 61	Firearm (Assault) 716	Firearm (Assault) 539	Firearm (Assault) 177
5	Suffocation (Self-Inf.) 1,067	Firearm (Self-Inf.) 110		Suffocation (Self-Inf.) 836	Firearm (Self-Inf.) 99	Poison (Self-Inf.) 361	Suffocation (Unint.) 44	Transport (Unint.) 181	Transport (Unint.) 147	Transport (Unint.) 34
6	Suffocation (Unint.) 882	Suffocation (Unint.) 109		Suffocation (Unint.) 478	Suffocation (Self-Inf.) 66	Firearm (Self-Inf.) 279	Fire/Burn (Unint.) 31	Struck By (Unint.) 79	Struck By (Unint.) 67	Struck By (Unint.) 12
7	Poison (Self-Inf.) 795	Suffocation (Self-Inf.) 87		Poison (Self-Inf.) 434	Suffocation (Unint.) 65	Suffocation (Self-Inf.) 231	Cut/Pierce (Assault) 29	Firearm (Unint.) 58	Firearm (Unint.) 49	Firearm (Unint.) 9
8	Firearm (Assault) 347	Cut/Pierce (Assault) 80		Firearm (Assault) 229	Cut/Pierce (Assault) 51	Fire/Burn (Unint.) 153	Suffocation (Self-Inf.) 21	Machinery (Unint.) 44	Machinery (Unint.) 42	Cut/Pierce (Assault) 9
9	Fire/Burn (Unint.) 334	Fire/Burn (Unint.) 76		Transport (Unint.) 224	Fire/Burn (Unint.) 45	Poison (Undet.) 139	Poison (Undet.) 11	Fall (Self-Inf.) 36	Fall (Self-Inf.) 31	Poison (Unint.) 8
10	Transport (Unint.) 285	Drowning (Unint.) 38		Drowning (Unint.) 190	Drowning (Unint.) 30	Firearm (Assault) 118	Firearm (Self-Inf.) 11	Poison (Unint.) 28	Poison (Unint.) 20	Firearm (Undet.) 7

NOTES: Some causes may be tied by number of events, including ranks 10 and 11 (not shown). For full list of causes included in these tables, see Technical Notes.

LEADING CAUSES OF INJURY DEATH: 2010-2014

PENNSYLVANIA RESIDENTS BY INJURY INTENT, GENDER AND VIOLENCE TYPE

	INTENT			UNINTENTIONAL		VIOLENCE			VIOLENCE TYPE	
RANK	Unint.	Violence		Males	Females	Males	Females		Homicide	Suicide
1	Poison (Unint.) 10,576	Firearm (Self-Inf.) 4,314		Poison (Unint.) 7,016	Fall (Unint.) 3,752	Firearm (Self-Inf.) 3,811	Poison (Self-Inf.) 633		Firearm (Male, 20-34) 1,154	Firearm (Male, 50-64) 1,172
2	Fall (Unint.) 7,576	Firearm (Assault) 2,395		MVT (Unint.) 4,423	Poison (Unint.) 3,560	Firearm (Assault) 2,063	Firearm (Self-Inf.) 503		Firearm (Male, 35-49) 436	Firearm (Male, 65+) 944
3	MVT (Unint.) 6,319	Suffocation (Self-Inf.) 2,117		Fall (Unint.) 3,824	MVT (Unint.) 1,896	Suffocation (Self-Inf.) 1,652	Suffocation (Self-Inf.) 465		Firearm (Male, 0-19) 314	Firearm (Male, 35-49) 846
4	Suffocation (Unint.) 1,719	Poison (Self-Inf.) 1,402		Suffocation (Unint.) 950	Suffocation (Unint.) 769	Poison (Self-Inf.) 769	Firearm (Assault) 332		Firearm (Male, 50-64) 131	Firearm (Male, 20-34) 703
5	Fire/Burn (Unint.) 692	Cut/Pierce (Assault) 280		Transport (Unint.) 426	Fire/Burn (Unint.) 303	Cut/Pierce (Assault) 192	Cut/Pierce (Assault) 88		Firearm (Female, 20-34) 111	Poison (Male, 50-64) 267
6	Transport (Unint.) 533	Cut/Pierce (Self-Inf.) 167		Drowning (Unint.) 414	Nat/Env. (Unint.) 110	Cut/Pierce (Self-Inf.) 126	Suffocation (Assault) 49		Firearm (Female, 35-49) 105	Poison (Female, 50-64) 262
7	Drowning (Unint.) 505	Fall (Self-Inf.) 155		Fire/Burn (Unint.) 389	Transport (Unint.) 107	Fall (Self-Inf.) 115	Cut/Pierce (Self-Inf.) 41		Firearm (Female, 50-64) 42	Poison (Male, 35-49) 244
8	Nat/Env. (Unint.) 291	Drowning (Self-Inf.) 78		Nat/Env. (Unint.) 181	Drowning (Unint.) 91	Drowning (Self-Inf.) 58	Fall (Self-Inf.) 40		Firearm (Female, 65+) 38	Poison (Female, 35-49) 200
9	Struck By (Unint.) 190	Suffocation (Assault) 68		Struck By (Unint.) 158	Struck By (Unint.) 32	Fire/Burn (Self-Inf.) 30	Drowning (Self-Inf.) 20		Firearm (Female, 0-19) 36	Firearm (Female, 35-49) 162
10	Machinery (Unint.) 139	Fire/Burn (Self-Inf.) 37		Machinery (Unint.) 129	Firearm (Unint.) 14	MVT (Self-Inf.) 25	Poison (Assault) 16		Firearm (Male, 65+) 28	Firearm (Female, 50-64) 149

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

During 2010 to 2014, 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.

Overview

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

Unintentional falls accounted for 37 percent of all injury hospitalizations among males and 55 percent of injury hospitalizations among females.
The next leading cause varied by race: MVT occupant for whites and unintentional poisoning for blacks.

HIGHLIGHTS

- **Unintentional falls** lead among all groups except for ages 20-34.
- Unintentional falls account for over **46 percent** of all injury hospitalizations.
- **Motor vehicle traffic** ranked second for all ages except ages 20-49.

Young Injury Hospitalizations

- 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 second 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.

Violence-related Hospitalizations

- The leading causes of violence-related injury hospitalizations were self-poisoning and assault by personal weapons (such as fists or a blunt object).
- Other leading causes of violence-related injury hospitalizations included self-inflicted cutting (ranked second among females) and assault by firearm (ranked third among males).
- Firearm was the main form of homicide injury hospitalization among males and females. Males, ages 0-49, ranked top three in homicide-related injury hospitalization, accounting for almost a fifth (18 percent) of all homicide-related injury hospitalizations. (Males, ages 20-34, ranked first). Homicide by poisoning ranked second after firearm.
- Suicide by poisoning leads on the list of suicide-related injury hospitalizations, accounting for almost four-fifth of all suicide-related injury hospitalizations in 2010 to 2014. Females, ages 20-49, ranked highest, accounting for 64 percent of injury hospitalizations due to suicide by poisoning among females and 37 percent of total injury hospitalizations due to suicide by poisoning. Males, ages 20-49, came second after females, accounting for two-thirds of all suicide by poisoning among males and over a quarter of all suicide by poisoning injury hospitalizations in 2010 to 2014.

Traumatic Brain Injury Hospitalizations

- The leading causes of traumatic brain injury hospitalization were unintentional falls and MVT occupant injury. These two causes accounted for 82 percent of all TBI-related injury hospitalizations in 2010 to 2014.
- The third leading cause of traumatic brain injury hospitalization for males was assault by personal weapons, while for females, it was transport-related injuries.

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

LEADING CAUSES OF INJURY HOSPITALIZATION: 2010-2014

PENNSYLVANIA RESIDENTS BY GENDER OR AGE GROUP

RANK	TOTAL	GENDER		AGE GROUP				
	All Ages	Males	Females	0-19	20-34	35-49	50-64	65+
1	Fall (Unint.) **313,085**	Fall (Unint.) 120,574	Fall (Unint.) 192,511	Fall (Unint.) 8,175	MVT (Unint.) 13,985	Fall (Unint.) 19,795	Fall (Unint.) 51,668	Fall (Unint.) 234,126
2	MVT (Unint.) **50,028**	MVT (Unint.) 30,378	Poison (Self-Inf.) 20,273	MVT (Unint.) 5,592	Poison (Self-Inf.) 11,206	Poison (Self-Inf.) 11,497	MVT (Unint.) 10,435	MVT (Unint.) 9,874
3	Poison (Self-Inf.) **33,879**	Poison (Unint.) 16,703	MVT (Unint.) 19,650	Poison (Self-Inf.) 3,886	Fall (Unint.) 10,352	MVT (Unint.) 10,142	Poison (Unint.) 9,642	Poison (Unint.) 6,874
4	Poison (Unint.) **32,120**	Poison (Self-Inf.) 13,606	Poison (Unint.) 15,417	Transport (Unint.) 2,773	Poison (Unint.) 6,656	Poison (Unint.) 7,982	Poison (Self-Inf.) 7,236	Suffocation (Unint.) 5,659
5	Nat./Env. (Unint.) **15,627**	Struck By (Unint.) 8,423	Nat./Env. (Unint.) 8,108	Struck By (Unint.) 2,722	Struck By (Assault) 3,290	Poison (Undet.) 3,463	Nat/Env (Unint.) 4,257	Nat/Env (Unint.) 5,157
6	Struck By (Unint.) **12,981**	Transport (Unint.) 8,177	Poison (Undet.) 4,606	Poison (Unint.) 2,397	Poison (Undet.) 2,988	Nat/Env (Unint.) 3,074	Poison (Undet.) 3,537	Struck By (Unint.) 4,470
7	Transport (Unint.) **11,660**	Nat./Env. (Unint.) 7,519	Struck By (Unint.) 4,558	Fire/Burn (Unint.) 1,747	Firearm (Assault) 2,810	Transport (Unint.) 2,408	Struck By (Unint.) 2,591	Overexert (Unint.) 3,375
8	Poison (Undet.) **10,966**	Poison (Undet.) 6,360	Overexert. (Unint.) 4,257	Nat/Env (Unint.) 1,701	Transport (Unint.) 2,539	Struck By (Assault) 2,357	Transport (Unint.) 2,537	Transport (Unint.) 2,149
9	Suffocation (Unint.) **8,345**	Struck By (Assault) 6,174	Suffocation (Unint.) 4,099	Cut/Pierce (Self-Inf.) 1,111	Cut/Pierce (Self-Inf.) 2,307	Struck By (Unint.) 1,952	Fire/Burn (Unint.) 2,019	Fire/Burn (Unint.) 1,864
10	Overexert. (Unint.) **7,795**	Fire/Burn (Unint.) 4,771	Transport (Unint.) 3,483	Firearm (Assault) 896	Nat/Env (Unint.) 2,062	Fire/Burn (Unint.) 1,671	Overexert (Unint.) 1,924	Poison (Self-Inf.) 1,807

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: 2010-2014

PENNSYLVANIA RESIDENTS BY GENDER AND AGE GROUP

	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
RANK	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	Fall (Unint.) 5,240	Fall (Unint.) 2,935	MVT (Unint.) 9,614	Poison (Self-Inf.) 6,520	Fall (Unint.) 11,476	Fall (Unint.) 8,319	Fall (Unint.) 25,970	Fall (Unint.) 25,698	Fall (Unint.) 76,831	Fall (Unint.) 157,295
2	MVT (Unint.) 4,014	Poison (Self-Inf.) 2,704	Fall (Unint.) 6,147	MVT (Unint.) 5,135	MVT (Unint.) 7,070	Poison (Self-Inf.) 6,815	MVT (Unint.) 6,981	Poison (Unint.) 4,512	MVT (Unint.) 5,096	MVT (Unint.) 5,542
3	Struck By (Unint.) 2,132	MVT (Unint.) 2,442	Poison (Self-Inf.) 4,686	Fall (Unint.) 4,205	Poison (Self-Inf.) 4,682	MVT (Unint.) 3,836	Poison (Unint.) 5,130	Poison (Self-Inf.) 4,230	Poison (Unint.) 2,860	Poison (Unint.) 4,014
4	Transport (Unint.) 2,082	Poison (Unint.) 1,036	Poison (Unint.) 3,932	Poison (Unint.) 2,724	Poison (Unint.) 4,204	Poison (Unint.) 3,778	Poison (Self-Inf.) 3,006	MVT (Unint.) 4,118	Suffocation (Unint.) 2,811	Nat/Env (Unint.) 3,015
5	Poison (Unint.) 1,361	Cut/Pierce (Self-Inf.) 786	Struck By (Assault) 2,707	Poison (Undet.) 1,210	Poison (Undet.) 1,983	Nat/Env (Unint.) 1,489	Nat/Env (Unint.) 2,127	Nat/Env (Unint.) 2,130	Nat/Env (Unint.) 2,142	Suffocation (Unint.) 2,848
6	Poison (Self-Inf.) 1,182	Nat/Env (Unint.) 757	Firearm (Assault) 2,637	Cut/Pierce (Self-Inf.) 1,055	Struck By (Assault) 1,930	Poison (Undet.) 1,480	Poison (Undet.) 2,110	Poison (Undet.) 1,427	Struck By (Unint.) 1,927	Struck By (Unint.) 2,543
7	Fire/Burn (Unint.) 1,059	Transport (Unint.) 691	Transport (Unint.) 1,979	Nat/Env (Unint.) 997	Transport (Unint.) 1,766	Transport (Unint.) 642	Struck By (Unint.) 1,797	Overexert. (Unint.) 955	Transport (Unint.) 1,275	Overexert. (Unint.) 2,332
8	Nat/Env (Unint.) 944	Fire/Burn (Unint.) 688	Poison (Undet.) 1,778	Struck By (Assault) 583	Nat/Env (Unint.) 1,585	Cut/Pierce (Self-Inf.) 598	Transport (Unint.) 1,633	Transport (Unint.) 904	Overexert. (Unint.) 1,043	Poison (Self-Inf.) 1,098
9	Firearm (Assault) 828	Struck By (Unint.) 590	Struck By (Unint.) 1,576	Transport (Unint.) 560	Struck By (Unint.) 1,530	Fire/Burn (Unint.) 579	Fire/Burn (Unint.) 1,290	Suffocation (Unint.) 861	Fire/Burn (Unint.) 943	Fire/Burn (Unint.) 921
10	Struck By (Assault) 711	Cut/Pierce (Unint.) 260	Cut/Pierce (Self-Inf.) 1,252	Fire/Burn (Unint.) 445	Cut/Pierce (Unint.) 1,129	Overexert. (Unint.) 542	Struck By (Assault) 1,176	Struck By (Unint.) 794	Poison (Self-Inf.) 709	Transport (Unint.) 874

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: 2010-2014

PENNSYLVANIA RESIDENTS BY RACE AND AGE GROUP

	Age 0-19		Age 20-34		Age 35-49		Age 50-64		Age 65+	
RANK	White	Black	White	Black	White	Black	White	Black	White	Black
1	Fall (Unint.) 5,212	Fall (Unint.) 1,404	MVT (Unint.) 10,646	MVT (Unint.) 2,162	Fall (Unint.) 14,859	Fall (Unint.) 3,164	Fall (Unint.) 42,645	Fall (Unint.) 6,205	Fall (Unint.) 215,921	Fall (Unint.) 10,031
2	MVT (Unint.) 4,261	MVT (Unint.) 1,182	Poison (Self-Inf.) 8,748	Firearm (Assault) 2,111	Poison (Self-Inf.) 9,298	Poison (Unint.) 1,987	MVT (Unint.) 9,006	Poison (Unint.) 2,521	MVT (Unint.) 9,378	Poison (Unint.) 868
3	Poison (Self-Int.) 2,722	Firearm (Assault) 716	Fall (Unint.) 7,219	Fall (Unint.) 1,852	MVT (Unint.) 8,274	MVT (Unint.) 1,465	Fall (Unint.) 6,640	Poison (Undet.) 1,403	Poison (Unint.) 5,731	MVT (Unint.) 586
4	Transport (Unint.) 2,261	Poison (Self-Inf.) 524	Poison (Unint.) 5,317	Poison (Self-Inf.) 1,287	Poison (Unint.) 5,361	Poison (Self-Inf.) 1,256	Poison (Self-Inf.) 6,201	MVT (Unint.) 1,154	Suffocation (Unint.) 4,955	Nat/Env. (Unint.) 516
5	Struck By (Unint.) 1,854	Poison (Unint.) 494	Poison (Undet.) 2,356	Struck By (Assault) 1,096	Nat/Env. (Unint.) 2,465	Poison (Undet.) 1,083	Nat/Env. (Unint.) 3,499	Poison (Self-Inf.) 667	Nat/Env. (Unint.) 4,484	Suffocation (Unint.) 460
6	Poison (Unint.) 1,403	Struck By (Unint.) 480	Transport (Unint.) 2,099	Poison (Unint.) 721	Poison (Undet.) 2,140	Struck By (Assault) 842	Transport (Unint.) 2,222	Nat/Env. (Unint.) 559	Struck By (Unint.) 4,127	Fire/Burn (Unint.) 218
7	Nat/Env. (Unint.) 1,054	Fire/Burn (Unint.) 469	Cut/Pierce (Self-Inf.) 1,932	Cut/Pierce (Assault) 651	Transport (Unint.) 2,049	Firearm (Assault) 469	Struck By (Unint.) 2,170	Struck By (Assault) 553	Overexert. (Unint.) 3,161	Struck By (Unint.) 198
8	Cut/Pierce (Self-Inf.) 958	Struck By (Assault) 369	Struck By (Assault) 1,662	Firearm (Unint.) 374	Struck By (Unint.) 1,528	Nat/Env. (Unint.) 408	Poison (Undet.) 1,964	Fire/Burn (Unint.) 349	Transport (Unint.) 1,999	Poison (Undet.) 192
9	Fire/Burn (Unint.) 857	Nat/Env. (Unint.) 341	Nat/Env. (Unint.) 1,595	Poison (Undet.) 369	Struck By (Assault) 1,193	Cut/Pierce (Assault) 360	Overexert. (Unint.) 1,634	Struck By (Unint.) 280	Poison (Self-Inf.) 1,644	Overexert. (Unint.) 127
10	Cut/Pierce (Unint.) 454	Transport (Unint.) 206	Struck By (Unint.) 1,449	Struck By (Unint.) 293	Fire/Burn (Unint.) 1,165	Fire/Burn (Unint.) 296	Suffocation (Unint.) 1,476	Suffocation (Unint.) 253	Fire/Burn (Unint.) 1,510	Poison (Self-Inf.) 69

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LEADING CAUSES OF INJURY HOSPITALIZATION: 2010-2014

PENNSYLVANIA RESIDENTS BY RACE, GENDER AND TRAUMATIC BRAIN INJURY

	RACE			MALES		FEMALES		TBI		
RANK	White	Black		White	Black	White	Black	Total	Males	Females
1	Fall (Unint.) 285,856	Fall (Unint.) 22,656		Fall (Unint.) 107,455	Fall (Unint.) 10,790	Fall (Unint.) 178,401	Fall (Unint.) 11,866	Fall (Unint.) 48,712	Fall (Unint.) 24,282	Fall (Unint.) 24,430
2	MVT (Unint.) 41,565	Poison (Unint.) 6,591		MVT (Unint.) 24,987	MVT (Unint.) 4,133	MVT (Unint.) 17,176	Poison (Unint.) 2,875	MVT (Unint.) 19,607	MVT (Unint.) 12,569	MVT (Unint.) 7,038
3	Poison (Self-Inf.) 28,613	MVT (Unint.) 6,549		Poison (Unint.) 12,385	Poison (Unint.) 3,716	Poison (Self-Inf.) 16,578	MVT (Unint.) 2,416	Transport (Unint.) 3,394	Struck By (Assault) 2,682	Transport (Unint.) 914
4	Poison (Unint.) 24,452	Poison (Self-Inf.) 3,803		Poison (Self-Inf.) 11,437	Firearm (Assault) 3,203	Poison (Unint.) 12,067	Poison (Self-Inf.) 2,206	Struck By (Assault) 3,072	Transport (Unint.) 2,480	Struck By (Unint.) 684
5	Nat/Env. (Unint.) 13,097	Firearm (Assualt) 3,412		Transport (Unint.) 7,359	Struck By (Assault) 2,350	Nat/Env. (Unint.) 6,981	Poison (Undet.) 1,070	Struck By (Unint.) 2,231	Struck By (Unint.) 1,547	Struck By (Assault) 390
6	Struck By (Unint.) 11,128	Poison (Undet.) 3,126		Struck By (Unint.) 7,080	Poison (Undet.) 2,056	Struck By (Unint.) 4,048	Nat/Env. (Unint.) 954	Firearm (Assault) 401	Firearm (Assault) 353	Nat/Env. (Unint.) 70
7	Transport (Unint.) 10,630	Struck By (Assault) 2,927		Nat/Env. (Unint.) 6,116	Poison (Self-Inf.) 1,597	Overexert. (Unint.) 3,836	Fire/Burn (Unint.) 678	Firearm (Self-Inf.) 259	Firearm (Self-Inf.) 236	Poison (Unint.) 64
8	Poison (Undet.) 7,458	Nat/Env. (Unint.) 2,100		Poison (Undet.) 4,039	Nat/Env. (Unint.) 1,146	Suffocation (Unint.) 3,524	Struck By (Assault) 577	Machinery (Unint.) 193	Machinery (Unint.) 175	Firearm (Assault) 48
9	Suffocation (Unint.) 7,209	Fire/Burn (Unint.) 1,533		Fire/Burn (Unint.) 3,762	Cut/Pierce (Assault) 1,118	Poison (Undet.) 3,419	Suffocation (Unint.) 476	Nat/Env. (Unint.) 188	Cut/Pierce (Assault) 132	Poison (Self-Inf.) 41
10	Overexert. (Unint.) 6,829	Struck By (Unint.) 1,492		Suffocation (Unint.) 3,685	Struck By (Unint.) 1,057	Transport (Unint.) 3,271	Struck By (Unint.) 435	Poison (Unint.) 156	Nat/Env. (Unint.) 118	Fall (Self-Inf.) 24

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: 2010-2014

PENNSYLVANIA RESIDENTS BY INJURY INTENT, GENDER AND VIOLENCE TYPE

	INTENT			UNINTENTIONAL		VIOLENCE			VIOLENCE TYPE	
RANK	Unintentional	Violence		Males	Females	Males	Females		Homicide	Suicide
1	Fall (Unint.) 313,085	Poison (Self-Inf.) 33,879		Fall (Unint.) 120,574	Fall (Unint.) 192,511	Poison (Self-Inf.) 13,606	Poison (Self-Inf.) 20,273		Firearm (Male, 20-34) 2,637	Poison (Female, 35-49) 6,815
2	MVT (Unint.) 50,028	Struck By (Assault) 7,591		MVT (Unint.) 30,378	MVT (Unint.) 19,650	Struck By (Assault) 6,174	Cut/Pierce (Self-Inf.) 2,761		Firearm (Male, 0-19) 828	Poison (Female, 20-34) 6,520
3	Poison (Unint.) 32,120	Cut/Pierce (Self-Inf.) 5,502		Poison (Unint.) 16,703	Poison (Unint.) 15,417	Firearm (Assault) 3,884	Struck By (Assault) 1,417		Firearm (Male, 35-49) 619	Poison (Male, 20-34) 4,686
4	Nat/Env. (Unint.) 15,627	Firearm (Assault) 4,196		Struck By (Unint.) 8,423	Nat/Env. (Unint.) 8,108	Cut/Pierce (Self-Inf.) 2,741	Cut/Pierce (Assault) 353		Firearm (Female, 20-34) 173	Poison (Male, 35-49) 4,682
5	Struck By (Unint.) 12,981	Cut/Pierce (Assault) 2,427		Transport (Unint.) 8,177	Struck By (Unint.) 4,558	Cut/Pierce (Assault) 2,074	Firearm (Assault) 312		Firearm (Male, 50-64) 153	Poison (Female, 50-64) 4,230
6	Transport (Unint.) 11,660	Suffocation (Self-Inf.) 708		Nat/Env. (Unint.) 7,519	Overexert. (Unint.) 4,257	Suffocation (Self-Inf.) 486	Suffocation (Self-Inf.) 222		Firearm (Female, 35-49) 78	Poison (Male, 50-64) 3,006
7	Suffocation (Unint.) 8,345	Firearm (Self-Inf.) 462		Fire/Burn (Unint.) 4,771	Suffocation (Unint.) 4,099	Firearm (Self-Inf.) 402	Fall (Self-Inf.) 114		Firearm (Female, 0-19) 68	Poison (Female, 0-19) 2,704
8	Overexert. (Unint.) 7,795	Fall (Self-Inf.) 328		Cut/Pierce (Unint.) 4,254	Transport (Unint.) 3,483	Fall (Self-Inf.) 214	Fire/Burn (Self-Inf.) 92		Firearm (Male, 65+) 47	Poison (Male, 0-19) 1,182
9	Fire/Burn (Unint.) 7,791	Fire/Burn (Self-Inf.) 200		Suffocation (Unint.) 4,246	Fire/Burn (Unint.) 3,020	Fire/Burn (Self-Inf.) 108	Firearm (Self-Inf.) 60		Firearm (Female, 60-64) 27	Poison (Female, 65+) 1,098
10	Cut/Pierce (Unint.) 5,952	MVT (Self-Inf.) 103		Overexert. (Unint.) 3,538	Cut/Pierce (Unint.) 1,698	MVT (Self-Inf.) 68	Fire/Burn (Assault) 37		Poison (Female, 20-34) 10	Poison (Male, 65+) 709

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 2014, among Pennsylvania residents, there were 129,243 hospitalizations due to injury. Total treatment charges for these injuries exceeded $8.30 billion.

Overview

Treatment charges are from hospital billing data. Note: these figures may be greater than amounts actually paid by insurance providers.

Mean charges are not shown because treatment charges are highly skewed. Median charges are more reflective of typical costs.

Treatment charges generally increase over time. Median charges for injury hospitalizations overall have increased by 24 percent from 2010 to 2014.

HIGHLIGHTS

- Total treatment charges for unintentional falls exceeded **$3.75 billion** in 2014**.**
- The median charges were highest for **assault by suffocation**.
- **Insurance coverage** differed among MVT accidents, falls and firearm-related injuries.

Total Injury Cost Burden

- In 2014, unintentional falls hospitalizations accounted for $3.75 billion in total charges or 45 percent of the total charges for all injury hospitalizations.
- Unintentional MVT injury hospitalizations accounted for about $1.03 billion in total charges.
- Other large cost burdens in 2014 included poisoning hospitalizations (with $578 million in total charges) and assault injury hospitalizations (with $359 million in total charges).

Highest Median Charges

- Hospitalizations for assault by suffocation had the highest median treatment charges of any major injury. At $152,129, median charges for assault by suffocation were over four times greater than median charges for injury hospitalizations overall ($35,867).
- Among hospitalizations due to MVT accidents, pedestrians, motorcyclists and pedal cyclists had higher median treatment charges than motor vehicle occupants.
- Hospitalizations involving traumatic brain injury (TBI) generally had higher median treatment charges than other hospitalizations by the same external cause.

Charges by Primary Payor

- Medicare was primary payor on most unintentional falls hospitalizations. In 2014, Medicare was billed over $2.74 billion dollars to treat falls (73 percent of the total).
- Medicaid was typically the primary payor on poisoning hospitalizations. In 2014, Medicaid was billed over $202 million to treat poisonings (35 percent of the total).
- Commercial providers were primary payor on most MVT hospitalizations. In 2014, these plans were billed $769 million to treat MVT injuries (75 percent of the total).

SUMMARY TABLE: HOSPITALIZATION CHARGES

TOTAL NUMBER, CHARGES, MEDIAN CHARGES AND PRIMARY PAYOR BY MECHANISM AND BRAIN INJURY, PENNSYLVANIA RESIDENTS, 2014

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
Fall	64,033	$3,753,721,474	$37,595	73%	7%	16%	9,730	$673,687,807	$40,224	54,303	$3,080,033,667	$37,180
→ On same level	18,757	$1,033,295,936	$37,831	74%	5%	17%	2,063	$119,938,030	$35,789	16,694	$913,357,906	$38,160
→ One level to another	14,693	$1,022,848,131	$41,673	62%	11%	22%	2,956	$246,452,075	$45,669	11,737	$776,396,055	$40,836
→ Unspecified	30,583	$1,697,577,407	$35,705	78%	6%	12%	4,711	$307,297,702	$39,563	25,872	$1,390,279,705	$35,008
Poisoning	14,983	$578,542,043	$20,558	28%	35%	27%	50	$2,234,119	$28,937	14,933	$576,307,924	$20,539
→ Drug	13,861	$529,355,152	$20,410	29%	36%	26%	42	$2,062,360	$29,835	13,819	$527,292,792	$20,374
→ Non-Drug	1,122	$49,186,891	$22,469	26%	31%	31%	8	$171,758	$21,763	1,114	$49,015,132	$22,469
Motor vehicle traffic	9,275	$1,025,569,212	$53,953	6%	12%	75%	3,349	$428,033,716	$57,760	5,926	$597,535,495	$51,645
→ MVT occupant	6,084	$613,529,811	$50,186	4%	7%	83%	2,226	$245,200,282	$52,486	3,858	$368,329,530	$48,567
→ MVT motorcyclist	1,337	$178,289,001	$66,108	7%	18%	65%	486	$84,196,635	$73,689	851	$94,092,366	$61,608
→ MVT pedal cyclist	218	$26,405,435	$58,610	5%	32%	55%	92	$12,737,942	$53,416	126	$13,667,493	$64,128
→ MVT pedestrian	993	$142,089,262	$72,162	11%	27%	55%	388	$62,864,580	$77,615	605	$79,224,682	$66,950
→ MVT other	64	$4,992,354	$40,366	10%	12%	67%	23	$2,899,603	$62,098	41	$2,092,751	$37,402
→ MVT unspecified	579	$60,263,349	$44,473	16%	12%	67%	134	$20,134,675	$55,408	445	$40,128,673	$42,235
All pedal cyclist	646	$39,579,195	$39,380	14%	26%	53%	183	$11,022,204	$40,500	463	$28,556,991	$38,917
All pedestrian	111	$14,305,474	$58,380	20%	13%	62%	28	$3,778,349	$77,559	83	$10,527,126	$56,552
Other transport	50	$5,718,520	$44,433	24%	16%	52%	9	$1,887,156	$73,994	41	$3,831,364	$42,750
Firearm	1,217	$205,117,080	$89,036	7%	57%	20%	150	$29,892,048	$85,096	1,067	$175,225,032	$89,846
Drowning	64	$6,818,124	$49,396	21%	31%	39%	4	$147,112	$25,855	60	$6,671,012	$51,134
Suffocation	1,844	$265,307,678	$62,467	65%	13%	18%	16	$3,075,523	$62,841	1,828	$262,232,155	$62,467
Fire/flames	729	$130,217,524	$49,755	30%	27%	33%	3	$433,166	$24,601	726	$129,784,358	$49,756
Hot object/scald	1,010	$75,575,230	$33,554	30%	30%	33%	2	$232,399	$116,200	1,008	$75,342,831	$33,369
Cut/pierce	2,914	$119,865,136	$21,913	17%	31%	39%	48	$5,291,437	$52,931	2,866	$114,573,699	$21,558
Struck by/against	3,827	$208,083,790	$32,716	29%	27%	32%	908	$61,635,107	$37,405	2,919	$146,448,683	$31,116
Machinery	483	$35,261,987	$40,799	16%	10%	65%	37	$2,475,794	$43,771	446	$32,786,193	$40,782
Overexertion	1,245	$54,263,141	$27,765	47%	11%	37%	1	$127,889	$127,889	1,244	$54,135,252	$27,761
Nat/env. causes	3,333	$130,854,123	$19,370	38%	21%	33%	38	$3,898,813	$43,644	3,295	$126,955,310	$19,221
→ Bites and stings	2,129	$51,606,094	$15,316	30%	21%	41%	3	$109,933	$29,867	2,126	$51,496,161	$15,314
Other spec./NEC	11,071	$803,859,046	$38,394	48%	20%	27%	281	$30,339,807	$52,730	10,790	$773,519,239	$38,146
Unspecified	10,942	$748,866,901	$38,607	58%	14%	22%	503	$47,337,856	$50,948	10,439	$701,529,044	$38,163
Total: All mechanisms	129,243	$8,306,622,007	$35,867	54%	15%	26%	15,711	$1,333,256,824	$43,966	113,532	$6,973,365,183	$34,794

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, 2014

Injury Mechanism	Unintentional Injury			Self-Inflicted Injury			Assault Injury			Undetermined Injury		
	No.	Sum	Median	No.	Sum	Median	No.	Sum	Median	No.	Sum	Median
Fall	64,014	$3,743,815,885	$37,573	53	$11,112,462	$91,655	9	$696,756	$72,759	27	$1,900,012	$48,925
→ On same level	18,793	$1,035,276,473	$37,844	0	$0	$0	0	$0	$0	0	$0	$0
→ One level to another	14,617	$1,009,758,287	$41,500	53	$11,112,462	$91,655	9	$696,756	$72,759	27	$1,900,012	$48,925
→ Unspecified	30,604	$1,698,781,125	$35,703	0	$0	$0	0	$0	$0	0	$0	$0
Poisoning	6,223	$262,801,588	$23,311	6,450	$198,477,965	$16,561	9	$1,223,136	$32,192	2,319	$117,029,685	$26,589
→ Drug	5,579	$239,218,003	$23,470	6,174	$184,995,933	$16,499	8	$176,892	$22,996	2,118	$105,954,655	$26,535
→ Non-Drug	644	$23,583,585	$22,789	276	$13,482,032	$18,291	1	$1,046,244	$1,046,244	201	$11,075,030	$26,880
Motor vehicle traffic	9,240	$1,022,941,417	$53,984	23	$1,438,933	$48,726	6	$569,571	$103,191	7	$632,533	$39,774
→ MVT occupant	6,048	$610,888,775	$50,186	23	$1,438,933	$48,726	6	$569,571	$103,191	7	$632,533	$39,774
→ MVT motorcyclist	1,337	$178,289,001	$66,108	0	$0	$0	0	$0	$0	0	$0	$0
→ MVT pedal cyclist	218	$26,405,435	$58,610	0	$0	$0	0	$0	$0	0	$0	$0
→ MVT pedestrian	993	$142,089,262	$72,162	0	$0	$0	0	$0	$0	0	$0	$0
→ MVT other	64	$4,992,354	$40,366	0	$0	$0	0	$0	$0	0	$0	$0
→ MVT unspecified	580	$60,276,591	$44,304	0	$0	$0	0	$0	$0	0	$0	$0
All pedal cyclist	647	$39,661,715	$39,512	0	$0	$0	0	$0	$0	0	$0	$0
All pedestrian	111	$14,305,474	$58,380	0	$0	$0	0	$0	$0	0	$0	$0
Other transport	50	$5,718,520	$44,433	0	$0	$0	0	$0	$0	0	$0	$0
Firearm	243	$36,203,263	$66,699	105	$16,864,705	$72,539	770	$135,232,612	$101,544	84	$13,674,807	$66,878
Drowning	57	$6,496,417	$56,082	5	$145,953	$20,928	1	$142,788	$142,788	1	$32,967	$32,967
Suffocation	1,651	$251,410,167	$66,727	184	$12,464,622	$32,388	5	$1,300,830	$152,129	5	$190,325	$39,542
Fire/flames	669	$112,498,004	$50,981	32	$12,608,984	$28,594	5	$460,828	$52,845	23	$4,649,708	$35,463
Hot object/scald	987	$72,801,017	$33,203	5	$401,746	$62,150	14	$1,273,017	$60,114	5	$1,127,698	$16,529
Cut/pierce	1,166	$44,548,743	$24,071	1,215	$32,361,818	$13,225	507	$41,811,454	$50,845	30	$1,274,117	$21,299
Struck by/against	2,466	$123,719,673	$29,646	0	$0	$0	1,328	$82,998,417	$39,492	0	$0	$0
Machinery	483	$35,261,987	$40,799	0	$0	$0	0	$0	$0	0	$0	$0
Overexertion	1,246	$54,291,551	$27,769	0	$0	$0	0	$0	$0	0	$0	$0
Nat/env. causes	3,238	$123,542,001	$19,085	3	$91,808	$39,885	0	$0	$0	96	$7,377,478	$41,818
→ Bites and stings	2,131	$51,700,008	$15,344	0	$0	$0	0	$0	$0	0	$0	$0
Other spec./NEC	9,323	$678,411,787	$38,493	371	$24,373,933	$23,339	851	$60,003,483	$41,060	468	$36,299,507	$41,543
Unspecified	9,656	$650,097,701	$38,318	78	$2,074,422	$11,737	461	$33,353,618	$42,742	753	$62,699,567	$42,389
Total: All mechanisms	115,346	$7,548,770,523	$37,277	8,524	$312,417,350	$16,663	3,966	$359,066,510	$48,093	3,818	$246,888,404	$31,806

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, 2014

Age Group	Leading Injury Hospitalization	All Injury Hospitalizations			Primary Payor			Injuries with TBI			Injuries without TBI		
		No.	Sum	Median	Medicare	Medicaid	Commercial	No.	Sum	Median	No.	Sum	Median
0-4	Unintentional falls	338	$19,573,309	$26,244	0%	58%	33%	108	$4,104,562	$21,958	230	$15,468,747	$27,031
5-9	Unintentional falls	349	$11,381,551	$27,263	0%	36%	57%	45	$1,335,380	$21,177	304	$10,046,171	$27,885
10-14	Unintentional falls	286	$12,908,318	$30,286	0%	31%	63%	58	$2,539,712	$31,077	228	$10,368,606	$29,531
15-19	MVT occupant	439	$49,280,737	$49,523	0%	12%	82%	208	$24,692,783	$48,108	231	$24,587,953	$50,556
20-24	MVT occupant	735	$75,401,989	$55,315	0%	9%	84%	345	$36,951,558	$54,246	390	$38,450,432	$56,232
25-29	Self-poisoning	1,300	$44,311,365	$17,040	8%	48%	28%	5	$114,696	$20,792	1,295	$44,196,669	$16,953
30-34	Self-poisoning	1,263	$45,391,740	$18,114	13%	50%	24%	2	$223,509	$111,755	1,261	$45,168,231	$18,017
35-39	Unintentional falls	808	$61,393,052	$41,035	12%	35%	42%	145	$13,595,490	$40,792	663	$47,797,561	$41,157
40-44	Unintentional falls	1,091	$69,591,660	$37,771	18%	31%	41%	186	$15,446,132	$46,959	905	$54,145,528	$36,647
45-49	Unintentional falls	1,650	$113,407,979	$39,639	21%	31%	40%	257	$26,664,643	$43,373	1,393	$86,743,335	$39,130
50-54	Unintentional falls	2,675	$185,588,395	$40,511	24%	27%	41%	443	$38,436,394	$46,542	2,232	$147,152,001	$39,661
55-59	Unintentional falls	3,665	$254,038,442	$41,902	30%	21%	42%	558	$49,682,987	$47,398	3,107	$204,355,455	$41,094
60-64	Unintentional falls	4,164	$295,955,880	$42,854	33%	16%	45%	615	$52,123,415	$45,425	3,549	$243,832,465	$42,164
65-69	Unintentional falls	4,806	$322,369,933	$41,340	82%	1%	14%	728	$56,894,384	$43,609	4,078	$265,475,549	$41,130
70-74	Unintentional falls	5,542	$363,846,616	$40,390	89%	0%	8%	871	$68,646,037	$44,387	4,671	$295,200,579	$39,945
75-79	Unintentional falls	6,878	$407,448,124	$38,170	93%	0%	5%	1,048	$69,634,196	$40,746	5,830	$337,813,928	$37,725
80-84	Unintentional falls	9,181	$500,434,151	$37,593	94%	0%	4%	1,421	$93,726,915	$40,194	7,760	$406,707,236	$37,104
85+	Unintentional falls	20,233	$981,177,663	$34,719	95%	0%	3%	2,759	$149,558,093	$37,494	17,474	$831,619,570	$34,325
Total:	Unintentional falls	64,033	$3,753,721,474	$37,595	73%	7%	16%	9,730	$673,687,807	$40,224	54,303	$3,080,033,667	$37,180

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, 2014

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	337	47.1	348	47.0	286	37.2	397	47.5	538	61.9	663	78.1	766	96.8	808	111.4	1,088	138.2
→ On same level	42	5.9	70	9.5	119	15.5	126	15.1	138	15.9	154	18.1	203	25.6	222	30.6	260	33.0
→ One level to another	217	30.3	202	27.3	87	11.3	146	17.5	222	25.6	276	32.5	295	37.3	289	39.8	400	50.8
→ Unspecified	78	10.9	76	10.3	80	10.4	125	15.0	178	20.5	233	27.5	268	33.9	297	40.9	428	54.4
Poisoning	137	19.2	26	3.5	190	24.7	819	98.0	1,220	140.4	1,298	152.9	1,263	159.6	1,146	157.9	1,243	157.9
→ Drug	101	14.1	18	2.4	173	22.5	775	92.7	1,156	133.1	1,241	146.2	1,193	150.7	1,069	147.3	1,172	148.9
→ Non-Drug	36	5.0	8	1.1	17	2.2	44	5.3	64	7.4	57	6.7	70	8.8	77	10.6	71	9.0
Motor vehicle traffic	63	8.8	125	16.9	140	18.2	607	72.6	1,071	123.3	830	97.8	662	83.6	514	70.8	556	70.6
→ MVT occupant	33	4.6	50	6.8	53	6.9	435	52.1	730	84.0	550	64.8	417	52.7	330	45.5	340	43.2
→ MVT motorcyclist	0	NSR	0	NSR	6	NSR	53	6.3	172	19.8	140	16.5	119	15.0	90	12.4	127	16.1
→ MVT pedal cyclist	1	NSR	11	1.5	22	2.9	29	3.5	30	3.5	19	2.2	12	1.5	9	NSR	18	2.3
→ MVT pedestrian	28	3.9	61	8.2	56	7.3	57	6.8	74	8.5	69	8.1	56	7.1	51	7.0	45	5.7
→ MVT other	1	NSR	1	NSR	1	NSR	5	NSR	3	NSR	4	NSR	1	NSR	5	NSR	2	NSR
→ MVT unspecified	0	NSR	2	NSR	2	NSR	28	3.4	62	7.1	48	5.7	57	7.2	29	4.0	24	3.0
All pedal cyclist	9	NSR	49	6.6	67	8.7	49	5.9	31	3.6	33	3.9	39	4.9	31	4.3	41	5.2
All pedestrian	5	NSR	3	NSR	4	NSR	4	NSR	4	NSR	3	NSR	5	NSR	12	1.7	6	NSR
Other transport	0	NSR	2	NSR	0	NSR	3	NSR	4	NSR	6	NSR	2	NSR	2	NSR	2	NSR
Firearm	2	NSR	6	NSR	18	2.3	185	22.1	345	39.7	204	24.0	125	15.8	83	11.4	58	7.4
Drowning	9	NSR	10	1.4	4	NSR	3	NSR	8	NSR	3	NSR	1	NSR	5	NSR	3	NSR
Suffocation	30	4.2	6	NSR	10	1.3	25	3.0	60	6.9	49	5.8	42	5.3	38	5.2	47	6.0
Fire/flames	14	2.0	17	2.3	13	1.7	29	3.5	57	6.6	50	5.9	44	5.6	49	6.8	51	6.5
Hot object/scald	165	23.1	28	3.8	25	3.3	26	3.1	46	5.3	48	5.7	54	6.8	48	6.6	43	5.5
Cut/pierce	16	2.2	30	4.1	118	15.4	294	35.2	385	44.3	326	38.4	280	35.4	218	30.0	198	25.2
Struck by/against	40	5.6	77	10.4	161	21.0	258	30.9	331	38.1	297	35.0	256	32.3	231	31.8	243	30.9
Machinery	10	1.4	5	NSR	3	NSR	14	1.7	34	3.9	33	3.9	35	4.4	36	5.0	39	5.0
Overexertion	5	NSR	4	NSR	27	3.5	40	4.8	42	4.8	65	7.7	51	6.4	52	7.2	55	7.0
Nat/env. causes	92	12.9	74	10.0	58	7.6	77	9.2	123	14.2	157	18.5	171	21.6	146	20.1	198	25.2
→ Bites and stings	79	11.0	58	7.8	45	5.9	51	6.1	93	10.7	122	14.4	127	16.0	110	15.2	144	18.3
Other spec./NEC	162	22.7	102	13.8	143	18.6	317	37.9	546	62.8	575	67.7	547	69.1	562	77.5	609	77.4
Unspecified	76	10.6	42	5.7	68	8.9	173	20.7	276	31.8	307	36.2	319	40.3	331	45.6	444	56.4
Total: All mechanisms	1,188	166.1	978	132.2	1,416	184.4	3,462	414.3	5,267	606.2	5,043	594.2	4,756	600.9	4,409	607.6	5,021	637.8

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

INJURY HOSPITALIZATION RATES: PENNSYLVANIA

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	1,652	193.0	2,674	281.8	3,670	386.9	4,164	508.3	4,810	724.1	5,546	1,135.6	6,877	1,890.1	9,183	3,202.1	20,243	6,111.5
→ On same level	430	50.2	710	74.8	981	103.4	1,190	145.3	1,484	223.4	1,748	357.9	2,241	615.9	2,778	968.7	5,893	1,779.1
→ One level to another	566	66.1	864	91.0	1,107	116.7	1,158	141.4	1,193	179.6	1,295	265.2	1,318	362.2	1,701	593.1	3,342	1,009.0
→ Unspecified	656	76.7	1,100	115.9	1,582	166.8	1,816	221.7	2,133	321.1	2,503	512.5	3,318	911.9	4,704	1,640.3	11,008	3,323.4
Poisoning	1,533	179.1	1,756	185.0	1,394	147.0	1,013	123.7	639	96.2	417	85.4	336	92.3	233	81.2	328	99.0
→ Drug	1,405	164.2	1,616	170.3	1,268	133.7	924	112.8	585	88.1	383	78.4	306	84.1	199	69.4	285	86.0
→ Non-Drug	128	15.0	140	14.8	126	13.3	89	10.9	54	8.1	34	7.0	30	8.2	34	11.9	43	13.0
Motor vehicle traffic	667	77.9	714	75.2	649	68.4	604	73.7	470	70.8	441	90.3	333	91.5	407	141.9	376	113.5
→ MVT occupant	370	43.2	423	44.6	398	42.0	370	45.2	324	48.8	342	70.0	268	73.7	315	109.8	302	91.2
→ MVT motorcyclist	163	19.0	159	16.8	124	13.1	96	11.7	53	8.0	15	3.1	9	NSR	4	NSR	2	NSR
→ MVT pedal cyclist	11	1.3	10	1.1	14	1.5	16	2.0	5	NSR	5	NSR	2	NSR	1	NSR	2	NSR
→ MVT pedestrian	62	7.2	66	7.0	72	7.6	75	9.2	54	8.1	48	9.8	28	7.7	44	15.3	41	12.4
→ MVT other	13	1.5	9	NSR	3	NSR	4	NSR	5	NSR	2	NSR	1	NSR	4	NSR	0	NSR
→ MVT unspecified	48	5.6	47	5.0	38	4.0	43	5.2	29	4.4	29	5.9	25	6.9	39	13.6	29	8.8
All pedal cyclist	38	4.4	58	6.1	58	6.1	56	6.8	40	6.0	21	4.3	14	3.8	6	NSR	6	NSR
All pedestrian	6	NSR	8	NSR	6	NSR	7	NSR	5	NSR	5	NSR	5	NSR	13	4.5	10	3.0
Other transport	6	NSR	2	NSR	4	NSR	5	NSR	6	NSR	2	NSR	0	NSR	2	NSR	2	NSR
Firearm	50	5.8	32	3.4	29	3.1	19	2.3	19	2.9	12	2.5	9	NSR	1	NSR	13	3.9
Drowning	0	NSR	4	NSR	1	NSR	3	NSR	1	NSR	5	NSR	3	NSR	1	NSR	0	NSR
Suffocation	69	8.1	103	10.9	129	13.6	170	20.8	184	27.7	161	33.0	187	51.4	208	72.5	325	98.1
Fire/flames	49	5.7	69	7.3	61	6.4	56	6.8	49	7.4	39	8.0	27	7.4	22	7.7	33	10.0
Hot object/scald	75	8.8	84	8.9	83	8.8	61	7.4	65	9.8	48	9.8	27	7.4	32	11.2	53	16.0
Cut/pierce	237	27.7	236	24.9	178	18.8	127	15.5	80	12.0	62	12.7	43	11.8	29	10.1	59	17.8
Struck by/against	260	30.4	270	28.5	247	26.0	207	25.3	170	25.6	150	30.7	161	44.3	166	57.9	294	88.8
Machinery	41	4.8	50	5.3	58	6.1	39	4.8	33	5.0	16	3.3	11	3.0	9	3.1	16	4.8
Overexertion	73	8.5	88	9.3	120	12.7	88	10.7	109	16.4	79	16.2	91	25.0	99	34.5	158	47.7
Nat/env. causes	251	29.3	299	31.5	324	34.2	296	36.1	228	34.3	223	45.7	193	53.0	166	57.9	259	78.2
→ Bites and stings	183	21.4	199	21.0	217	22.9	176	21.5	153	23.0	125	25.6	103	28.3	69	24.1	77	23.2
Other spec./NEC	764	89.3	922	97.2	912	96.2	822	100.3	810	121.9	729	149.3	700	192.4	714	249.0	1,147	346.3
Unspecified	633	74.0	802	84.5	922	97.2	913	111.5	917	138.0	907	185.7	925	254.2	1,089	379.7	1,805	544.9
Total: All mechanisms	6,514	761.1	8,267	871.2	8,944	943.0	8,732	1,065.9	8,693	1,308.6	8,924	1,827.3	9,987	2,744.9	12,438	4,337.1	25,189	7,604.7

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

INJURY HOSPITALIZATION RATES: MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	207	56.6	201	53.1	179	45.7	273	64.0	321	72.8	372	86.4	461	115.7	438	121.0	616	157.3
→ On same level	25	6.8	43	11.4	87	22.2	96	22.5	77	17.5	81	18.8	105	26.3	96	26.5	124	31.7
→ One level to another	127	34.7	114	30.1	44	11.2	99	23.2	156	35.4	173	40.2	210	52.7	177	48.9	260	66.4
→ Unspecified	55	15.0	44	11.6	48	12.2	78	18.3	88	19.9	118	27.4	146	36.6	165	45.6	232	59.2
Poisoning	71	19.4	15	4.0	41	10.5	316	74.1	614	139.2	643	149.3	634	159.1	555	153.3	570	145.6
→ Drug	49	13.4	8	NSR	37	9.4	295	69.2	573	129.9	607	140.9	597	149.8	505	139.5	534	136.4
→ Non-Drug	22	6.0	7	NSR	4	NSR	21	4.9	41	9.3	36	8.4	37	9.3	50	13.8	36	9.2
Motor vehicle traffic	26	7.1	74	19.5	90	23.0	400	93.8	701	158.9	545	126.5	423	106.2	321	88.7	378	96.5
→ MVT occupant	12	3.3	23	6.1	26	6.6	262	61.4	425	96.3	318	73.8	244	61.2	176	48.6	213	54.4
→ MVT motorcyclist	0	NSR	0	NSR	6	NSR	51	12.0	162	36.7	132	30.6	96	24.1	83	22.9	102	26.0
→ MVT pedal cyclist	0	NSR	8	NSR	19	4.8	27	6.3	27	6.1	15	3.5	8	NSR	8	NSR	16	4.1
→ MVT pedestrian	14	3.8	41	10.8	36	9.2	38	8.9	50	11.3	45	10.4	36	9.0	38	10.5	33	8.4
→ MVT other	0	NSR	1	NSR	1	NSR	5	NSR	3	NSR	3	NSR	0	NSR	2	NSR	2	NSR
→ MVT unspecified	0	NSR	1	NSR	2	NSR	17	4.0	34	7.7	32	7.4	39	9.8	14	3.9	12	3.1
All pedal cyclist	8	NSR	35	9.2	45	11.5	40	9.4	25	5.7	27	6.3	33	8.3	22	6.1	33	8.4
All pedestrian	4	NSR	2	NSR	4	NSR	3	NSR	2	NSR	3	NSR	4	NSR	7	NSR	5	NSR
Other transport	0	NSR	1	NSR	0	NSR	2	NSR	3	NSR	3	NSR	2	NSR	2	NSR	2	NSR
Firearm	2	NSR	4	NSR	13	3.3	169	39.6	325	73.7	185	42.9	117	29.4	71	19.6	47	12.0
Drowning	8	NSR	9	NSR	1	NSR	0	NSR	1	NSR	2	NSR	0	NSR	3	NSR	3	NSR
Suffocation	17	4.7	4	NSR	7	NSR	16	3.8	42	9.5	29	6.7	30	7.5	23	6.4	30	7.7
Fire/flames	9	NSR	11	2.9	9	NSR	22	5.2	43	9.7	34	7.9	35	8.8	33	9.1	36	9.2
Hot object/scald	90	24.6	12	3.2	12	3.1	13	3.0	27	6.1	29	6.7	37	9.3	29	8.0	34	8.7
Cut/pierce	12	3.3	19	5.0	27	6.9	126	29.6	263	59.6	223	51.8	191	47.9	146	40.3	135	34.5
Struck by/against	27	7.4	55	14.5	121	30.9	216	50.7	267	60.5	231	53.6	196	49.2	178	49.2	182	46.5
Machinery	6	NSR	4	NSR	3	NSR	14	3.3	29	6.6	30	7.0	35	8.8	35	9.7	34	8.7
Overexertion	4	NSR	2	NSR	21	5.4	25	5.9	26	5.9	32	7.4	31	7.8	33	9.1	30	7.7
Nat/env. causes	46	12.6	44	11.6	37	9.4	45	10.6	61	13.8	79	18.3	91	22.8	73	20.2	114	29.1
→ Bites and stings	42	11.5	35	9.2	28	7.1	24	5.6	41	9.3	60	13.9	59	14.8	48	13.3	79	20.2
Other spec./NEC	93	25.4	52	13.7	88	22.4	180	42.2	357	80.9	380	88.2	388	97.4	383	105.8	420	107.3
Unspecified	39	10.7	19	5.0	36	9.2	105	24.6	174	39.4	179	41.6	191	47.9	210	58.0	288	73.5
Total: All mechanisms	683	186.8	579	153.0	789	201.2	2,072	486.0	3,403	771.3	3,101	719.9	2,977	747.1	2,635	728.0	3,025	772.5

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

INJURY HOSPITALIZATION RATES: MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	962	227.2	1,502	322.4	1,896	409.1	2,058	519.4	2,182	693.6	2,345	1,052.8	2,538	1,608.7	3,107	2,705.8	5,902	5,445.2
→ On same level	218	51.5	342	73.4	425	91.7	509	128.5	605	192.3	666	299.0	732	464.0	828	721.1	1,586	1,463.2
→ One level to another	368	86.9	542	116.3	664	143.3	612	154.5	593	188.5	598	268.5	529	335.3	603	525.1	1,060	977.9
→ Unspecified	376	88.8	618	132.7	807	174.1	937	236.5	984	312.8	1,081	485.3	1,277	809.4	1,676	1,459.6	3,256	3,004.0
Poisoning	716	169.1	847	181.8	671	144.8	502	126.7	300	95.4	164	73.6	144	91.3	114	99.3	129	119.0
→ Drug	642	151.6	758	162.7	598	129.0	451	113.8	267	84.9	144	64.7	126	79.9	89	77.5	98	90.4
→ Non-Drug	74	17.5	89	19.1	73	15.8	51	12.9	33	10.5	20	9.0	18	11.4	25	21.8	31	28.6
Motor vehicle traffic	405	95.7	475	102.0	420	90.6	378	95.4	267	84.9	219	98.3	148	93.8	183	159.4	166	153.2
→ MVT occupant	192	45.3	265	56.9	237	51.1	212	53.5	162	51.5	159	71.4	112	71.0	136	118.4	135	124.6
→ MVT motorcyclist	132	31.2	133	28.5	106	22.9	85	21.5	52	16.5	14	6.3	9	NSR	4	NSR	2	NSR
→ MVT pedal cyclist	10	2.4	8	NSR	12	2.6	16	4.0	4	NSR	5	NSR	1	NSR	1	NSR	2	NSR
→ MVT pedestrian	39	9.2	40	8.6	43	9.3	42	10.6	32	10.2	23	10.3	12	7.6	20	17.4	18	16.6
→ MVT other	7	NSR	5	NSR	1	NSR	2	NSR	2	NSR	1	NSR	0	NSR	1	NSR	0	NSR
→ MVT unspecified	25	5.9	24	5.2	21	4.5	21	5.3	15	4.8	17	7.6	14	8.9	21	18.3	9	NSR
All pedal cyclist	32	7.6	40	8.6	47	10.1	44	11.1	30	9.5	19	8.5	10	6.3	5	NSR	6	NSR
All pedestrian	4	NSR	3	NSR	4	NSR	2	NSR	2	NSR	2	NSR	2	NSR	7	NSR	4	NSR
Other transport	3	NSR	1	NSR	2	NSR	4	NSR	5	NSR	2	NSR	0	NSR	2	NSR	2	NSR
Firearm	42	9.9	27	5.8	26	5.6	15	3.8	17	5.4	12	5.4	8	NSR	1	NSR	12	11.1
Drowning	0	NSR	3	NSR	0	NSR	1	NSR	1	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Suffocation	42	9.9	60	12.9	84	18.1	96	24.2	113	35.9	96	43.1	97	61.5	115	100.2	124	114.4
Fire/flames	31	7.3	43	9.2	40	8.6	37	9.3	35	11.1	19	8.5	21	13.3	10	8.7	15	13.8
Hot object/scald	44	10.4	62	13.3	42	9.1	38	9.6	33	10.5	29	13.0	16	10.1	17	14.8	22	20.3
Cut/pierce	174	41.1	160	34.3	131	28.3	88	22.2	59	18.8	34	15.3	26	16.5	18	15.7	33	30.4
Struck by/against	208	49.1	220	47.2	192	41.4	140	35.3	108	34.3	84	37.7	82	52.0	76	66.2	95	87.6
Machinery	37	8.7	45	9.7	53	11.4	35	8.8	31	9.9	15	6.7	8	NSR	8	7.0	15	13.8
Overexertion	43	10.2	44	9.4	66	14.2	37	9.3	44	14.0	23	10.3	30	19.0	25	21.8	35	32.3
Nat/env. causes	115	27.2	151	32.4	166	35.8	149	37.6	119	37.8	94	42.2	81	51.3	68	59.2	102	94.1
→ Bites and stings	73	17.2	84	18.0	97	20.9	73	18.4	74	23.5	50	22.4	38	24.1	22	19.2	28	25.8
Other spec./NEC	507	119.7	617	132.4	575	124.1	536	135.3	473	150.4	370	166.1	349	221.2	339	295.2	441	406.9
Unspecified	391	92.3	512	109.9	544	117.4	508	128.2	478	151.9	417	187.2	421	266.8	498	433.7	668	616.3
Total: All mechanisms	3,835	905.7	4,878	1,047.1	5,020	1,083.2	4,707	1,188.0	4,338	1,379.0	3,988	1,790.5	4,013	2,543.6	4,618	4,021.7	7,796	7,192.5

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

INJURY HOSPITALIZATION RATES: FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	130	37.2	147	40.7	107	28.5	124	30.3	217	50.8	291	69.6	305	77.6	370	101.8	472	119.3
→ On same level	17	4.9	27	7.5	32	8.5	30	7.3	61	14.3	73	17.5	98	24.9	126	34.7	136	34.4
→ One level to another	90	25.7	88	24.4	43	11.4	47	11.5	66	15.4	103	24.6	85	21.6	112	30.8	140	35.4
→ Unspecified	23	6.6	32	8.9	32	8.5	47	11.5	90	21.0	115	27.5	122	31.0	132	36.3	196	49.5
Poisoning	66	18.9	11	3.0	149	39.6	503	122.9	606	141.7	655	156.7	629	160.1	591	162.5	673	170.1
→ Drug	52	14.9	10	2.8	136	36.2	480	117.3	583	136.3	634	151.7	596	151.7	564	155.1	638	161.3
→ Non-Drug	14	4.0	1	NSR	13	3.5	23	5.6	23	5.4	21	5.0	33	8.4	27	7.4	35	8.8
Motor vehicle traffic	37	10.6	51	14.1	50	13.3	207	50.6	370	86.5	285	68.2	239	60.8	193	53.1	178	45.0
→ MVT occupant	21	6.0	27	7.5	27	7.2	173	42.3	305	71.3	232	55.5	173	44.0	154	42.4	127	32.1
→ MVT motorcyclist	0	NSR	0	NSR	0	NSR	2	NSR	10	2.3	8	NSR	23	5.9	7	NSR	25	6.3
→ MVT pedal cyclist	1	NSR	3	NSR	3	NSR	2	NSR	3	NSR	4	NSR	4	NSR	1	NSR	2	NSR
→ MVT pedestrian	14	4.0	20	5.5	20	5.3	19	4.6	24	5.6	24	5.7	20	5.1	13	3.6	12	3.0
→ MVT other	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	1	NSR	3	NSR	0	NSR
→ MVT unspecified	0	NSR	1	NSR	0	NSR	11	2.7	28	6.5	16	3.8	18	4.6	15	4.1	12	3.0
All pedal cyclist	1	NSR	14	3.9	22	5.9	9	NSR	6	NSR	6	NSR	6	NSR	9	NSR	8	NSR
All pedestrian	1	NSR	1	NSR	0	NSR	1	NSR	2	NSR	0	NSR	1	NSR	5	NSR	1	NSR
Other transport	0	NSR	1	NSR	0	NSR	1	NSR	1	NSR	3	NSR	0	NSR	0	NSR	0	NSR
Firearm	0	NSR	2	NSR	5	NSR	16	3.9	20	4.7	19	4.5	8	NSR	12	3.3	11	2.8
Drowning	1	NSR	1	NSR	3	NSR	3	NSR	7	NSR	1	NSR	1	NSR	2	NSR	0	NSR
Suffocation	13	3.7	2	NSR	3	NSR	9	NSR	18	4.2	20	4.8	12	3.1	15	4.1	17	4.3
Fire/flames	5	NSR	6	NSR	4	NSR	7	NSR	14	3.3	16	3.8	9	NSR	16	4.4	15	3.8
Hot object/scald	75	21.5	16	4.4	13	3.5	13	3.2	19	4.4	19	4.5	17	4.3	19	5.2	9	NSR
Cut/pierce	4	NSR	11	3.0	91	24.2	168	41.0	122	28.5	103	24.6	89	22.6	72	19.8	63	15.9
Struck by/against	13	3.7	22	6.1	40	10.6	42	10.3	64	15.0	66	15.8	60	15.3	53	14.6	61	15.4
Machinery	4	NSR	1	NSR	0	NSR	0	NSR	5	1.2	3	0.7	0	NSR	1	NSR	5	NSR
Overexertion	1	NSR	2	NSR	6	NSR	15	3.7	16	3.7	33	7.9	20	5.1	19	5.2	25	6.3
Nat/env. causes	46	13.2	30	8.3	21	5.6	32	7.8	62	14.5	78	18.7	80	20.4	73	20.1	84	21.2
→ Bites and stings	37	10.6	23	6.4	17	4.5	27	6.6	52	12.2	62	14.8	68	17.3	62	17.1	65	16.4
Other spec./NEC	69	19.7	50	13.8	55	14.6	137	33.5	189	44.2	195	46.7	159	40.5	179	49.2	189	47.8
Unspecified	37	10.6	23	6.4	32	8.5	68	16.6	102	23.9	128	30.6	128	32.6	121	33.3	156	39.4
Total: All mechanisms	505	144.5	399	110.5	627	166.8	1,390	339.6	1,864	435.9	1,942	464.7	1,779	452.7	1,774	487.9	1,996	504.6

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

INJURY HOSPITALIZATION RATES: FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	690	159.6	1,172	242.6	1,774	365.7	2,106	497.9	2,628	751.5	3,201	1,205.0	4,339	2,105.6	6,076	3,533.5	14,341	6,435.6
→ On same level	212	49.0	368	76.2	556	114.6	681	161.0	879	251.3	1,082	407.3	1,509	732.3	1,950	1,134.0	4,307	1,932.8
→ One level to another	198	45.8	322	66.7	443	91.3	546	129.1	600	171.6	697	262.4	789	382.9	1,098	638.5	2,282	1,024.1
→ Unspecified	280	64.8	482	99.8	775	159.8	879	207.8	1,149	328.6	1,422	535.3	2,041	990.4	3,028	1,760.9	7,752	3,478.7
Poisoning	817	188.9	909	188.2	723	149.1	511	120.8	339	96.9	253	95.2	192	93.2	119	69.2	199	89.3
→ Drug	763	176.5	858	177.6	670	138.1	473	111.8	318	90.9	239	90.0	180	87.3	110	64.0	187	83.9
→ Non-Drug	54	12.5	51	10.6	53	10.9	38	9.0	21	6.0	14	5.3	12	5.8	9	NSR	12	5.4
Motor vehicle traffic	262	60.6	239	49.5	229	47.2	226	53.4	203	58.0	222	83.6	185	89.8	224	130.3	210	94.2
→ MVT occupant	178	41.2	158	32.7	161	33.2	158	37.4	162	46.3	183	68.9	156	75.7	179	104.1	167	74.9
→ MVT motorcyclist	31	7.2	26	5.4	18	3.7	11	2.6	1	NSR	1	NSR	0	NSR	0	NSR	0	NSR
→ MVT pedal cyclist	1	NSR	2	NSR	2	NSR	0	NSR	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR
→ MVT pedestrian	23	5.3	26	5.4	29	6.0	33	7.8	22	6.3	25	9.4	16	7.8	24	14.0	23	10.3
→ MVT other	6	NSR	4	NSR	2	NSR	2	0.5	3	NSR	1	NSR	1	NSR	3	NSR	0	NSR
→ MVT unspecified	23	5.3	23	4.8	17	3.5	22	5.2	14	4.0	12	4.5	11	5.3	18	10.5	20	9.0
All pedal cyclist	6	NSR	18	3.7	11	2.3	12	2.8	10	2.9	2	NSR	4	NSR	1	NSR	0	NSR
All pedestrian	2	NSR	5	NSR	2	NSR	5	1.2	3	NSR	3	NSR	3	NSR	6	NSR	6	NSR
Other transport	3	NSR	1	NSR	2	NSR	1	0.2	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Firearm	8	NSR	5	NSR	3	NSR	4	0.9	2	NSR	0	NSR	1	NSR	0	NSR	1	NSR
Drowning	0	NSR	1	NSR	1	NSR	2	0.5	0	NSR	2	NSR	2	NSR	1	NSR	0	NSR
Suffocation	27	6.2	43	8.9	45	9.3	74	17.5	71	20.3	65	24.5	90	43.7	93	54.1	201	90.2
Fire/flames	18	4.2	26	5.4	21	4.3	19	4.5	14	4.0	20	7.5	6	NSR	12	7.0	18	8.1
Hot object/scald	31	7.2	22	4.6	41	8.5	23	5.4	32	9.2	19	7.2	11	5.3	15	8.7	31	13.9
Cut/pierce	63	14.6	76	15.7	47	9.7	39	9.2	21	6.0	28	10.5	17	8.2	11	6.4	26	11.7
Struck by/against	52	12.0	50	10.4	55	11.3	67	15.8	62	17.7	66	24.8	79	38.3	90	52.3	199	89.3
Machinery	4	NSR	5	NSR	5	1.0	4	0.9	2	NSR	1	NSR	3	NSR	1	NSR	1	NSR
Overexertion	30	6.9	44	9.1	54	11.1	51	12.1	65	18.6	56	21.1	61	29.6	74	43.0	123	55.2
Nat/env. causes	136	31.5	148	30.6	158	32.6	147	34.8	109	31.2	129	48.6	112	54.4	98	57.0	157	70.5
→ Bites and stings	110	25.4	115	23.8	120	24.7	103	24.4	79	22.6	75	28.2	65	31.5	47	27.3	49	22.0
Other spec./NEC	257	59.4	305	63.1	337	69.5	286	67.6	337	96.4	359	135.1	351	170.3	375	218.1	706	316.8
Unspecified	242	56.0	290	60.0	378	77.9	405	95.7	439	125.5	490	184.5	504	244.6	591	343.7	1,137	510.2
Total: All mechanisms	2,679	619.6	3,389	701.5	3,924	809.0	4,025	951.6	4,355	1,245.3	4,936	1,858.2	5,974	2,899.0	7,820	4,547.7	17,393	7,805.2

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

INJURY HOSPITALIZATION RATES: WHITE MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	95	34.9	99	34.2	112	36.5	197	58.7	232	67.7	256	74.4	320	99.1	306	103.6	454	139.7
→ On same level	15	5.5	25	8.6	55	17.9	71	21.2	53	15.5	58	16.9	75	23.2	73	24.7	98	30.2
→ One level to another	52	19.1	54	18.7	32	10.4	74	22.1	120	35.0	126	36.6	147	45.5	116	39.3	192	59.1
→ Unspecified	28	10.3	20	6.9	25	8.1	52	15.5	59	17.2	72	20.9	98	30.3	117	39.6	164	50.5
Poisoning	28	10.3	4	NSR	25	8.1	232	69.2	495	144.4	512	148.8	504	156.0	407	137.8	392	120.6
→ Drug	19	7.0	1	NSR	24	7.8	220	65.6	466	135.9	488	141.9	481	148.9	378	128.0	369	113.5
→ Non-Drug	9	NSR	3	NSR	1	0.3	12	3.6	29	8.5	24	7.0	23	7.1	29	9.8	23	7.1
Motor vehicle traffic	7	NSR	26	9.0	43	14.0	295	87.9	489	142.6	381	110.8	285	88.2	225	76.2	283	87.1
→ MVT occupant	5	NSR	11	3.8	20	6.5	209	62.3	303	88.4	228	66.3	166	51.4	130	44.0	169	52.0
→ MVT motorcyclist	0	NSR	0	NSR	5	1.6	37	11.0	126	36.8	98	28.5	72	22.3	62	21.0	79	24.3
→ MVT pedal cyclist	0	NSR	5	NSR	3	1.0	14	4.2	13	3.8	5	NSR	3	NSR	4	NSR	8	NSR
→ MVT pedestrian	2	NSR	9	NSR	12	3.9	19	5.7	23	6.7	24	7.0	16	5.0	16	5.4	15	4.6
→ MVT other	0	NSR	0	NSR	1	0.3	5	NSR	1	NSR	3	NSR	0	NSR	2	NSR	2	0.6
→ MVT unspecified	0	NSR	1	NSR	2	0.7	11	3.3	23	6.7	23	6.7	28	8.7	11	3.7	10	3.1
All pedal cyclist	3	NSR	21	7.3	32	10.4	30	8.9	9	NSR	21	6.1	19	5.9	14	4.7	25	7.7
All pedestrian	2	NSR	1	NSR	3	1.0	1	NSR	2	NSR	3	NSR	4	NSR	7	NSR	3	NSR
Other transport	0	NSR	0	NSR	0	0.0	2	NSR	3	NSR	3	NSR	2	NSR	0	NSR	2	NSR
Firearm	2	NSR	1	NSR	2	0.7	25	7.5	32	9.3	34	9.9	20	6.2	14	4.7	14	4.3
Drowning	5	NSR	6	NSR	0	0.0	0	NSR	1	NSR	2	NSR	0	NSR	2	NSR	3	NSR
Suffocation	5	NSR	3	NSR	6	2.0	12	3.6	28	8.2	21	6.1	25	7.7	15	5.1	22	6.8
Fire/flames	8	NSR	4	NSR	5	1.6	15	4.5	33	9.6	27	7.8	23	7.1	19	6.4	29	8.9
Hot object/scald	41	15.0	2	NSR	8	2.6	9	NSR	17	5.0	22	6.4	30	9.3	20	6.8	26	8.0
Cut/pierce	7	NSR	13	4.5	18	5.9	76	22.7	164	47.8	139	40.4	135	41.8	87	29.5	87	26.8
Struck by/against	13	4.8	35	12.1	69	22.5	131	39.1	168	49.0	138	40.1	107	33.1	93	31.5	102	31.4
Machinery	6	NSR	4	NSR	2	0.7	10	3.0	26	7.6	20	5.8	28	8.7	22	7.4	23	7.1
Overexertion	3	NSR	2	NSR	12	3.9	18	5.4	20	5.8	20	5.8	24	7.4	27	9.1	19	5.8
Nat/env. causes	17	6.2	25	8.6	23	7.5	30	8.9	48	14.0	57	16.6	68	21.1	58	19.6	78	24.0
→ Bites and stings	15	5.5	21	7.3	16	5.2	14	4.2	34	9.9	44	12.8	47	14.5	42	14.2	55	16.9
Other spec./NEC	36	13.2	23	7.9	58	18.9	113	33.7	197	57.5	212	61.6	243	75.2	213	72.1	285	87.7
Unspecified	17	6.2	4	NSR	16	5.2	63	18.8	119	34.7	112	32.6	121	37.5	134	45.4	200	61.5
Total: All mechanisms	307	112.7	288	99.5	487	158.5	1,355	404.0	2,186	637.6	2,037	592.1	2,016	624.1	1,726	584.4	2,106	647.9

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

INJURY HOSPITALIZATION RATES: WHITE MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	735	204.6	1,167	289.3	1,534	375.9	1,692	478.9	1,873	658.7	2,060	1,018.0	2,282	1,581.4	2,902	2,727.9	5,577	5,499.9
→ On same level	175	48.7	282	69.9	364	89.2	437	123.7	530	186.4	606	299.5	666	461.5	785	737.9	1,518	1,497.0
→ One level to another	282	78.5	424	105.1	526	128.9	495	140.1	494	173.7	512	253.0	473	327.8	557	523.6	979	965.5
→ Unspecified	278	77.4	461	114.3	644	157.8	760	215.1	849	298.6	942	465.5	1,143	792.1	1,560	1,466.4	3,080	3,037.4
Poisoning	478	133.1	578	143.3	465	113.9	357	101.0	226	79.5	127	62.8	120	83.2	100	94.0	116	114.4
→ Drug	430	119.7	511	126.7	411	100.7	322	91.1	200	70.3	112	55.3	109	75.5	77	72.4	89	87.8
→ Non-Drug	48	13.4	67	16.6	54	13.2	35	9.9	26	9.1	15	7.4	11	7.6	23	21.6	27	26.6
Motor vehicle traffic	316	88.0	383	94.9	346	84.8	310	87.7	234	82.3	177	87.5	128	88.7	165	155.1	154	151.9
→ MVT occupant	153	42.6	208	51.6	194	47.5	170	48.1	138	48.5	131	64.7	95	65.8	128	120.3	126	124.3
→ MVT motorcyclist	110	30.6	117	29.0	96	23.5	77	21.8	50	17.6	12	5.9	9	NSR	3	NSR	2	NSR
→ MVT pedal cyclist	7	NSR	7	NSR	9	NSR	13	3.7	4	NSR	4	NSR	1	NSR	1	NSR	2	NSR
→ MVT pedestrian	22	6.1	26	6.4	31	7.6	30	8.5	26	9.1	15	7.4	10	6.9	15	14.1	17	16.8
→ MVT other	7	NSR	3	NSR	0	NSR	1	NSR	2	NSR	1	NSR	0	NSR	1	NSR	0	NSR
→ MVT unspecified	17	4.7	22	5.5	16	3.9	19	5.4	14	4.9	14	6.9	13	9.0	17	16.0	7	NSR
All pedal cyclist	25	7.0	33	8.2	34	8.3	34	9.6	27	9.5	18	8.9	9	NSR	4	NSR	6	NSR
All pedestrian	3	NSR	2	NSR	4	NSR	0	NSR	1	NSR	1	NSR	2	NSR	6	NSR	4	NSR
Other transport	3	NSR	1	NSR	2	NSR	4	NSR	5	NSR	2	NSR	0	NSR	2	NSR	1	NSR
Firearm	14	3.9	17	4.2	17	4.2	9	NSR	14	4.9	10	4.9	7	NSR	1	NSR	4	NSR
Drowning	0	NSR	2	NSR	0	NSR	1	NSR	1	NSR	3	NSR	1	NSR	0	NSR	0	NSR
Suffocation	35	9.7	44	10.9	71	17.4	81	22.9	99	34.8	79	39.0	87	60.3	105	98.7	114	112.4
Fire/flames	23	6.4	31	7.7	25	6.1	31	8.8	30	10.6	15	7.4	17	11.8	8	NSR	12	11.8
Hot object/scald	31	8.6	41	10.2	31	7.6	25	7.1	24	8.4	22	10.9	14	9.7	16	15.0	20	19.7
Cut/pierce	100	27.8	114	28.3	100	24.5	67	19.0	51	17.9	30	14.8	21	14.6	17	16.0	28	27.6
Struck by/against	131	36.5	133	33.0	146	35.8	109	30.9	92	32.4	72	35.6	75	52.0	73	68.6	89	87.8
Machinery	31	8.6	38	9.4	46	11.3	28	7.9	28	9.8	13	6.4	6	4.2	7	NSR	15	14.8
Overexertion	34	9.5	33	8.2	53	13.0	31	8.8	38	13.4	21	10.4	27	18.7	25	23.5	35	34.5
Nat/env. causes	89	24.8	116	28.8	126	30.9	116	32.8	95	33.4	76	37.6	76	52.7	56	52.6	90	88.8
→ Bites and stings	60	16.7	73	18.1	83	20.3	67	19.0	63	22.2	47	23.2	38	26.3	22	20.7	26	25.6
Other spec./NEC	346	96.3	423	104.9	456	111.7	447	126.5	393	138.2	311	153.7	306	212.1	311	292.3	410	404.3
Unspecified	277	77.1	377	93.5	410	100.5	401	113.5	399	140.3	358	176.9	366	253.6	445	418.3	611	602.6
Total: All mechanisms	2,743	763.6	3,593	890.7	3,920	960.6	3,780	1,069.9	3,667	1,289.7	3,434	1,697.0	3,575	2,477.5	4,266	4,010.1	7,310	7,209.0

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

INJURY HOSPITALIZATION RATES: WHITE FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	57	22.0	75	27.3	75	25.7	82	25.5	136	41.0	198	60.2	213	68.0	259	89.0	353	109.1
→ On same level	8	NSR	14	5.1	26	8.9	22	6.8	40	12.1	49	14.9	65	20.8	92	31.6	108	33.4
→ One level to another	39	15.1	44	16.0	27	9.2	32	10.0	43	13.0	74	22.5	57	18.2	82	28.2	104	32.1
→ Unspecified	10	3.9	17	6.2	22	7.5	28	8.7	53	16.0	75	22.8	91	29.1	85	29.2	141	43.6
Poisoning	26	10.0	2	NSR	92	31.5	354	110.1	448	135.0	500	152.0	496	158.3	480	165.0	529	163.5
→ Drug	21	8.1	1	NSR	87	29.8	339	105.4	431	129.9	484	147.1	473	151.0	458	157.4	504	155.8
→ Non-Drug	5	NSR	1	NSR	5	NSR	15	4.7	17	5.1	16	4.9	23	7.3	22	7.6	25	7.7
Motor vehicle traffic	16	6.2	25	9.1	27	9.2	154	47.9	259	78.0	216	65.6	171	54.6	152	52.2	128	39.6
→ MVT occupant	11	4.2	16	5.8	16	5.5	132	41.1	216	65.1	182	55.3	128	40.9	124	42.6	94	29.1
→ MVT motorcyclist	0	NSR	0	NSR	0	NSR	2	NSR	8	NSR	7	NSR	19	6.1	5	NSR	20	6.2
→ MVT pedal cyclist	0	NSR	3	NSR	2	NSR	2	NSR	3	NSR	2	NSR	3	NSR	1	NSR	1	NSR
→ MVT pedestrian	4	NSR	6	NSR	9	NSR	9	NSR	10	3.0	15	4.6	5	NSR	8	NSR	5	NSR
→ MVT other	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	1	NSR	2	NSR	0	NSR
→ MVT unspecified	0	NSR	0	NSR	0	NSR	9	NSR	22	6.6	9	NSR	15	4.8	12	4.1	8	NSR
All pedal cyclist	0	NSR	12	4.4	15	5.1	7	NSR	5	NSR	6	NSR	5	NSR	7	NSR	8	NSR
All pedestrian	1	NSR	0	NSR	0	NSR	1	NSR	1	NSR	0	NSR	1	NSR	3	NSR	0	NSR
Other transport	0	NSR	0	NSR	0	NSR	1	NSR	1	NSR	2	NSR	0	NSR	0	NSR	0	NSR
Firearm	0	NSR	1	NSR	2	NSR	3	NSR	10	3.0	6	NSR	2	NSR	4	NSR	6	NSR
Drowning	1	NSR	0	NSR	1	NSR	3	NSR	4	NSR	1	NSR	1	NSR	2	NSR	0	NSR
Suffocation	5	NSR	0	NSR	2	NSR	5	NSR	11	3.3	14	4.3	10	3.2	13	4.5	14	4.3
Fire/flames	1	NSR	4	NSR	1	NSR	4	NSR	10	3.0	16	4.9	6	NSR	12	4.1	8	NSR
Hot object/scald	28	10.8	6	NSR	6	NSR	8	NSR	8	NSR	13	4.0	12	3.8	10	3.4	6	NSR
Cut/pierce	3	NSR	8	NSR	78	26.7	147	45.7	98	29.5	83	25.2	69	22.0	60	20.6	52	16.1
Struck by/against	5	NSR	15	5.5	24	8.2	27	8.4	31	9.3	36	10.9	38	12.1	36	12.4	46	14.2
Machinery	2	NSR	1	NSR	0	NSR	0	NSR	3	NSR	3	NSR	0	NSR	1	NSR	4	NSR
Overexertion	1	NSR	1	NSR	4	NSR	9	NSR	12	3.6	24	7.3	15	4.8	14	4.8	18	5.6
Nat/env. causes	24	9.3	16	5.8	10	3.4	24	7.5	48	14.5	61	18.5	58	18.5	61	21.0	71	21.9
→ Bites and stings	20	7.7	11	4.0	7	NSR	22	6.8	40	12.1	49	14.9	51	16.3	53	18.2	54	16.7
Other spec./NEC	32	12.4	23	8.4	41	14.0	91	28.3	116	34.9	140	42.6	100	31.9	122	41.9	143	44.2
Unspecified	17	6.6	12	4.4	22	7.5	53	16.5	65	19.6	79	24.0	95	30.3	85	29.2	105	32.5
Total: All mechanisms	221	85.3	207	75.4	424	145.0	1,005	312.6	1,289	388.4	1,418	431.0	1,305	416.6	1,341	460.9	1,518	469.3

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

INJURY HOSPITALIZATION RATES: WHITE FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	545	150.3	942	228.0	1,465	348.0	1,777	479.2	2,333	751.1	2,848	1,198.1	3,961	2,131.4	5,630	3,591.9	13,523	6,543.4
→ On same level	175	48.3	303	73.3	479	113.8	607	163.7	807	259.8	990	416.5	1,403	754.9	1,842	1,175.2	4,109	1,988.2
→ One level to another	159	43.9	256	62.0	367	87.2	448	120.8	529	170.3	601	252.8	700	376.7	1,005	641.2	2,079	1,006.0
→ Unspecified	211	58.2	383	92.7	619	147.0	722	194.7	997	321.0	1,257	528.8	1,858	999.8	2,783	1,775.5	7,335	3,549.2
Poisoning	626	172.7	702	169.9	568	134.9	414	111.7	280	90.1	214	90.0	171	92.0	99	63.2	177	85.6
→ Drug	583	160.8	662	160.2	529	125.7	384	103.6	260	83.7	209	87.9	162	87.2	90	57.4	166	80.3
→ Non-Drug	43	11.9	40	9.7	39	9.3	30	8.1	20	6.4	5	2.1	9	4.8	9	5.7	11	5.3
Motor vehicle traffic	207	57.1	192	46.5	184	43.7	186	50.2	176	56.7	192	80.8	162	87.2	198	126.3	187	90.5
→ MVT occupant	142	39.2	131	31.7	131	31.1	138	37.2	143	46.0	162	68.1	137	73.7	157	100.2	151	73.1
→ MVT motorcyclist	28	7.7	24	5.8	17	4.0	9	NSR	1	NSR	1	NSR	0	NSR	0	NSR	0	NSR
→ MVT pedal cyclist	1	NSR	2	NSR	2	NSR	0	NSR	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR
→ MVT pedestrian	13	3.6	10	2.4	20	4.8	19	5.1	14	4.5	19	8.0	13	7.0	21	13.4	16	7.7
→ MVT other	5	NSR	4	NSR	1	NSR	2	NSR	3	1.0	1	NSR	1	NSR	2	NSR	0	NSR
→ MVT unspecified	18	5.0	21	5.1	13	3.1	18	4.9	14	4.5	9	NSR	10	5.4	18	11.5	20	9.7
All pedal cyclist	5	NSR	15	3.6	8	NSR	11	3.0	10	3.2	2	NSR	4	NSR	1	NSR	0	NSR
All pedestrian	2	NSR	3	NSR	2	NSR	4	NSR	2	NSR	3	NSR	3	NSR	6	NSR	6	NSR
Other transport	3	NSR	1	NSR	2	NSR	1	NSR	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Firearm	3	NSR	4	NSR	3	NSR	3	NSR	2	NSR	0	NSR	0	NSR	0	NSR	1	NSR
Drowning	0	NSR	1	NSR	1	NSR	1	NSR	0	NSR	2	NSR	2	NSR	1	NSR	0	NSR
Suffocation	21	5.8	38	9.2	36	8.6	63	17.0	57	18.4	52	21.9	81	43.6	82	52.3	185	89.5
Fire/flames	10	2.8	17	4.1	15	3.6	13	3.5	11	3.5	14	5.9	6	NSR	11	7.0	12	5.8
Hot object/scald	19	5.2	12	2.9	31	7.4	16	4.3	25	8.0	16	6.7	9	NSR	10	6.4	23	11.1
Cut/pierce	47	13.0	60	14.5	37	8.8	34	9.2	19	6.1	25	10.5	17	9.1	11	7.0	25	12.1
Struck by/against	37	10.2	39	9.4	40	9.5	58	15.6	50	16.1	59	24.8	72	38.7	86	54.9	185	89.5
Machinery	3	NSR	5	NSR	5	NSR	4	NSR	2	NSR	1	NSR	3	NSR	1	NSR	1	NSR
Overexertion	23	6.3	40	9.7	46	10.9	47	12.7	61	19.6	51	21.5	57	30.7	72	45.9	119	57.6
Nat/env. causes	112	30.9	121	29.3	144	34.2	130	35.1	96	30.9	114	48.0	97	52.2	84	53.6	132	63.9
→ Bites and stings	93	25.7	99	24.0	117	27.8	94	25.4	71	22.9	73	30.7	62	33.4	45	28.7	46	22.3
Other spec./NEC	194	53.5	244	59.0	258	61.3	235	63.4	295	95.0	305	128.3	316	170.0	337	215.0	649	314.0
Unspecified	173	47.7	222	53.7	284	67.5	327	88.2	363	116.9	417	175.4	440	236.8	527	336.2	1,041	503.7
Total: All mechanisms	2,060	568.2	2,686	650.0	3,163	751.4	3,364	907.2	3,800	1,223.4	4,333	1,822.8	5,414	2,913.2	7,188	4,585.9	16,303	7,888.6

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

INJURY HOSPITALIZATION RATES: BLACK MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	30	52.1	45	81.7	30	54.4	44	71.5	45	65.1	66	114.0	82	168.4	70	161.6	90	203.5
→ On same level	3	NSR	8	NSR	16	29.0	13	21.1	7	NSR	10	17.3	15	30.8	11	25.4	15	33.9
→ One level to another	21	36.5	25	45.4	4	NSR	12	19.5	17	24.6	29	50.1	37	76.0	27	62.3	34	76.9
→ Unspecified	6	10.4	12	21.8	10	18.1	19	30.9	21	30.4	27	46.6	30	61.6	32	73.9	41	92.7
Poisoning	16	27.8	9	NSR	3	NSR	40	65.0	58	83.9	86	148.5	65	133.5	95	219.3	126	284.9
→ Drug	13	22.6	5	NSR	3	NSR	36	58.5	55	79.6	81	139.9	57	117.1	83	191.6	116	262.3
→ Non-Drug	3	NSR	4	NSR	0	NSR	4	NSR	3	NSR	5	NSR	8	NSR	12	27.7	10	22.6
Motor vehicle traffic	12	20.9	31	56.3	29	52.6	51	82.9	98	141.8	80	138.2	73	149.9	57	131.6	58	131.2
→ MVT occupant	3	NSR	5	NSR	5	NSR	22	35.8	48	69.4	46	79.5	42	86.3	27	62.3	24	54.3
→ MVT motorcyclist	0	NSR	0	NSR	1	NSR	7	NSR	18	26.0	16	27.6	10	20.5	12	27.7	15	33.9
→ MVT pedal cyclist	0	NSR	2	NSR	8	NSR	8	NSR	11	15.9	4	NSR	2	NSR	4	NSR	5	NSR
→ MVT pedestrian	9	NSR	23	41.8	15	27.2	9	NSR	16	23.1	11	19.0	13	26.7	11	25.4	14	31.7
→ MVT other	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
→ MVT unspecified	0	NSR	0	NSR	0	NSR	5	NSR	5	NSR	3	NSR	6	NSR	3	NSR	0	NSR
All pedal cyclist	2	NSR	3	NSR	5	NSR	4	NSR	5	NSR	3	NSR	7	NSR	3	NSR	2	NSR
All pedestrian	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	2	NSR
Other transport	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR
Firearm	0	NSR	1	NSR	8	NSR	118	191.8	245	354.4	117	202.1	76	156.1	40	92.3	27	61.1
Drowning	2	NSR	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR
Suffocation	6	NSR	0	NSR	0	NSR	3	NSR	7	NSR	5	NSR	3	NSR	4	NSR	5	NSR
Fire/flames	0	NSR	5	NSR	0	NSR	5	NSR	2	NSR	3	NSR	6	NSR	8	NSR	4	NSR
Hot object/scald	27	46.9	5	NSR	3	NSR	2	NSR	5	NSR	2	NSR	3	NSR	4	NSR	6	NSR
Cut/pierce	1	NSR	3	NSR	6	NSR	29	47.1	64	92.6	51	88.1	35	71.9	29	66.9	29	65.6
Struck by/against	6	NSR	8	NSR	28	50.8	50	81.3	70	101.3	58	100.2	56	115.0	55	127.0	55	124.4
Machinery	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	2	NSR	2	NSR	6	NSR	3	NSR
Overexertion	0	NSR	0	NSR	6	NSR	6	NSR	3	NSR	11	19.0	4	NSR	4	NSR	8	NSR
Nat/env. causes	11	19.1	8	NSR	6	NSR	8	NSR	9	NSR	14	24.2	14	28.8	8	NSR	20	45.2
→ Bites and stings	10	17.4	6	NSR	6	NSR	5	NSR	4	NSR	8	NSR	6	NSR	3	NSR	12	27.1
Other spec./NEC	20	34.8	17	30.9	9	NSR	44	71.5	106	153.3	115	198.6	107	219.8	123	283.9	93	210.3
Unspecified	10	17.4	7	NSR	14	25.4	26	42.3	39	56.4	47	81.2	49	100.6	50	115.4	57	128.9
Total: All mechanisms	144	250.2	143	259.8	148	268.6	438	711.9	766	1,108.0	674	1,164.1	591	1,213.8	564	1,301.9	587	1,327.4

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

INJURY HOSPITALIZATION RATES: BLACK MALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	139	305.3	233	507.6	264	638.6	251	799.7	198	902.5	173	1,188.8	137	1,404.6	123	1,919.5	186	3,383.7
→ On same level	32	70.3	47	102.4	48	116.1	50	159.3	52	237.0	35	240.5	33	338.3	25	390.1	39	709.5
→ One level to another	44	96.7	67	146.0	98	237.1	82	261.3	57	259.8	51	350.4	33	338.3	25	390.1	53	964.2
→ Unspecified	63	138.4	119	259.2	118	285.4	119	379.2	89	405.7	87	597.8	71	727.9	73	1,139.2	94	1,710.0
Poisoning	172	377.8	227	494.5	177	428.2	122	388.7	56	255.2	27	185.5	18	184.5	12	187.3	10	181.9
→ Drug	152	333.9	211	459.7	162	391.9	109	347.3	51	232.5	24	164.9	13	133.3	11	171.7	6	NSR
→ Non-Drug	20	43.9	16	34.9	15	36.3	13	41.4	5	NSR	3	NSR	5	NSR	1	NSR	4	NSR
Motor vehicle traffic	55	120.8	46	100.2	38	91.9	35	111.5	19	86.6	22	151.2	7	NSR	10	156.1	5	NSR
→ MVT occupant	22	48.3	28	61.0	25	60.5	21	66.9	11	50.1	17	116.8	7	NSR	4	NSR	3	NSR
→ MVT motorcyclist	13	28.6	6	NSR	4	NSR	6	NSR	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
→ MVT pedal cyclist	1	NSR	1	NSR	1	NSR	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
→ MVT pedestrian	15	33.0	10	21.8	6	NSR	6	NSR	5	NSR	4	NSR	0	NSR	2	NSR	1	NSR
→ MVT other	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
→ MVT unspecified	4	NSR	1	NSR	1	NSR	0	NSR	1	NSR	1	NSR	0	NSR	4	NSR	1	NSR
All pedal cyclist	3	NSR	4	NSR	10	24.2	9	NSR	1	NSR	0	NSR	1	NSR	1	NSR	0	NSR
All pedestrian	1	NSR	0	NSR	0	NSR	1	NSR	1	NSR	1	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	1	NSR
Firearm	24	52.7	5	NSR	5	NSR	2	NSR	3	NSR	1	NSR	1	NSR	0	NSR	4	NSR
Drowning	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Suffocation	4	NSR	9	NSR	8	NSR	11	35.0	6	NSR	11	75.6	10	102.5	8	NSR	7	NSR
Fire/flames	4	NSR	7	NSR	9	NSR	2	NSR	5	NSR	3	NSR	2	NSR	2	NSR	1	NSR
Hot object/scald	10	22.0	11	24.0	6	NSR	8	NSR	7	NSR	2	NSR	0	NSR	1	NSR	1	NSR
Cut/pierce	47	103.2	29	63.2	19	46.0	12	38.2	3	NSR	3	NSR	3	NSR	0	NSR	2	NSR
Struck by/against	51	112.0	64	139.4	32	77.4	26	82.8	10	45.6	7	NSR	4	NSR	1	NSR	2	NSR
Machinery	4	NSR	3	NSR	3	NSR	3	NSR	1	NSR	1	NSR	1	NSR	0	NSR	0	NSR
Overexertion	3	NSR	8	NSR	9	NSR	3	NSR	4	NSR	1	NSR	1	NSR	0	NSR	0	NSR
Nat/env. causes	19	41.7	23	50.1	28	67.7	25	79.7	15	68.4	13	89.3	4	NSR	12	187.3	9	NSR
→ Bites and stings	9	NSR	5	NSR	9	NSR	5	NSR	4	NSR	2	NSR	0	NSR	0	NSR	2	NSR
Other spec./NEC	118	259.2	159	346.4	93	225.0	68	216.7	53	241.6	42	288.6	33	338.3	19	296.5	21	382.0
Unspecified	90	197.7	102	222.2	95	229.8	75	239.0	57	259.8	42	288.6	33	338.3	31	483.8	41	745.9
Total: All mechanisms	745	1,636.5	932	2,030.3	800	1,935.2	655	2,087.0	440	2,005.5	350	2,405.0	255	2,614.3	221	3,448.8	291	5,293.8

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

INJURY HOSPITALIZATION RATES: BLACK FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 0-4		Ages 5-9		Ages 10-14		Ages 15-19		Ages 20-24		Ages 25-29		Ages 30-34		Ages 35-39		Ages 40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	23	41.5	22	41.0	11	20.7	22	38.0	54	81.9	56	96.0	62	122.6	78	167.4	81	169.1
→ On same level	3	NSR	6	NSR	2	NSR	6	NSR	17	25.8	13	22.3	23	45.5	28	60.1	18	37.6
→ One level to another	16	28.9	14	26.1	7	NSR	5	8.6	14	21.2	18	30.8	21	41.5	20	42.9	20	41.8
→ Unspecified	4	NSR	2	NSR	2	NSR	11	19.0	23	34.9	25	42.8	18	35.6	30	64.4	43	89.8
Poisoning	15	27.1	7	NSR	26	49.0	64	110.6	84	127.4	82	140.5	78	154.3	62	133.0	93	194.2
→ Drug	11	19.9	7	NSR	21	39.6	62	107.2	80	121.3	80	137.1	73	144.4	59	126.6	87	181.7
→ Non-Drug	4	NSR	0	NSR	5	NSR	2	NSR	4	NSR	2	NSR	5	NSR	3	NSR	6	NSR
Motor vehicle traffic	12	21.7	15	28.0	12	22.6	19	32.8	65	98.6	40	68.6	35	69.2	27	57.9	26	54.3
→ MVT occupant	3	NSR	7	NSR	6	NSR	11	19.0	49	74.3	29	49.7	25	49.4	21	45.1	19	39.7
→ MVT motorcyclist	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR	2	NSR	1	NSR	0	NSR
→ MVT pedal cyclist	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	1	NSR	0	NSR	1	NSR
→ MVT pedestrian	8	NSR	7	NSR	6	NSR	8	NSR	11	16.7	6	NSR	6	NSR	2	NSR	3	NSR
→ MVT other	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR
→ MVT unspecified	0	NSR	1	NSR	0	NSR	0	NSR	4	NSR	4	NSR	1	NSR	2	NSR	3	NSR
All pedal cyclist	0	NSR	1	NSR	1	NSR	2	NSR	1	NSR	0	NSR	1	NSR	1	NSR	0	NSR
All pedestrian	0	NSR	1	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR	1	NSR	0	NSR
Other transport	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Firearm	0	NSR	1	NSR	1	NSR	9	NSR	9	NSR	10	17.1	3	NSR	6	NSR	4	NSR
Drowning	0	NSR	0	NSR	1	NSR	0	NSR	2	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Suffocation	1	NSR	1	NSR	0	NSR	2	NSR	6	NSR	2	NSR	1	NSR	2	NSR	2	NSR
Fire/flames	2	NSR	1	NSR	1	NSR	2	NSR	2	NSR	0	NSR	3	NSR	2	NSR	3	NSR
Hot object/scald	21	37.9	6	NSR	5	NSR	2	NSR	4	NSR	3	NSR	2	NSR	6	NSR	3	NSR
Cut/pierce	0	NSR	1	NSR	3	NSR	11	19.0	14	21.2	9	NSR	16	31.6	9	NSR	6	NSR
Struck by/against	2	NSR	3	NSR	8	NSR	13	22.5	26	39.4	21	36.0	15	29.7	15	32.2	10	20.9
Machinery	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR
Overexertion	0	NSR	0	NSR	1	NSR	5	NSR	1	NSR	4	NSR	4	NSR	3	NSR	7	NSR
Nat/env. causes	5	NSR	7	NSR	8	NSR	3	NSR	8	NSR	11	18.9	17	33.6	9	NSR	6	NSR
→ Bites and stings	5	NSR	6	NSR	7	NSR	2	NSR	6	NSR	8	NSR	13	25.7	7	NSR	5	NSR
Other spec./NEC	17	30.7	15	28.0	9	NSR	20	34.6	57	86.4	40	68.6	38	75.2	39	83.7	35	73.1
Unspecified	10	18.1	3	NSR	5	NSR	10	17.3	25	37.9	35	60.0	20	39.6	29	62.2	38	79.4
Total: All mechanisms	109	196.9	84	156.6	92	173.5	184	318.0	360	545.8	314	538.1	297	587.4	291	624.4	316	659.9

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

INJURY HOSPITALIZATION RATES: BLACK FEMALES

NUMBER OF INJURY HOSPITALIZATIONS AND AGE-SPECIFIC HOSPITALIZATION RATES MECHANISM BY INTENT, PENNSYLVANIA RESIDENTS, 2014

Injury Mechanism	Ages 45-49		Ages 50-54		Ages 55-59		Ages 60-64		Ages 65-69		Ages 70-74		Ages 75-79		Ages 80-84		Ages 85+	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Fall	100	202.4	161	312.2	237	494.0	228	584.5	184	625.0	210	982.5	229	1,446.5	258	2,079.6	466	3,401.5
→ On same level	23	46.5	40	77.6	57	118.8	41	105.1	39	132.5	54	252.7	62	391.6	55	443.3	121	883.2
→ One level to another	24	48.6	45	87.3	54	112.5	72	184.6	48	163.0	54	252.7	54	341.1	66	532.0	125	912.4
→ Unspecified	53	107.3	76	147.4	126	262.6	115	294.8	97	329.5	102	477.2	113	713.8	137	1,104.3	220	1,605.8
Poisoning	145	293.4	160	310.2	132	275.1	80	205.1	46	156.3	31	145.0	18	113.7	14	112.8	16	116.8
→ Drug	139	281.3	150	290.8	119	248.0	74	189.7	45	152.9	24	112.3	15	94.8	14	112.8	15	109.5
→ Non-Drug	6	NSR	10	19.4	13	27.1	6	NSR	1	NSR	7	NSR	3	NSR	0	NSR	1	NSR
Motor vehicle traffic	36	72.9	24	46.5	18	37.5	23	59.0	9	NSR	11	51.5	11	69.5	12	96.7	12	87.6
→ MVT occupant	22	44.5	13	25.2	9	NSR	8	NSR	8	NSR	8	NSR	9	NSR	9	NSR	8	NSR
→ MVT motorcyclist	2	NSR	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
→ MVT pedal cyclist	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
→ MVT pedestrian	7	NSR	8	NSR	4	NSR	11	28.2	1	NSR	1	NSR	2	NSR	2	NSR	4	NSR
→ MVT other	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	1	NSR	0	NSR
→ MVT unspecified	4	NSR	2	NSR	4	NSR	3	NSR	0	NSR	2	NSR	0	NSR	0	NSR	0	NSR
All pedal cyclist	1	NSR	2	NSR	1	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
All pedestrian	0	NSR	1	NSR	0	NSR	1	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	4	NSR	1	NSR	0	NSR	1	NSR	0	NSR	0	NSR	1	NSR	0	NSR	0	NSR
Drowning	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Suffocation	4	NSR	3	NSR	7	NSR	10	25.6	11	37.4	9	NSR	8	NSR	8	NSR	9	NSR
Fire/flames	5	NSR	5	NSR	3	NSR	4	NSR	3	NSR	1	NSR	0	NSR	1	NSR	5	NSR
Hot object/scald	7	NSR	8	NSR	8	NSR	2	NSR	5	NSR	3	NSR	2	NSR	1	NSR	4	NSR
Cut/pierce	10	20.2	14	27.1	5	NSR	2	NSR	1	NSR	2	NSR	0	NSR	0	NSR	1	NSR
Struck by/against	13	26.3	7	NSR	13	27.1	7	NSR	9	NSR	4	NSR	4	NSR	4	NSR	9	NSR
Machinery	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR	0	NSR
Overexertion	5	NSR	3	NSR	5	NSR	3	NSR	2	NSR	3	NSR	3	NSR	2	NSR	3	NSR
Nat/env. causes	17	34.4	23	44.6	10	20.8	13	33.3	9	NSR	13	60.8	15	94.8	7	NSR	20	146.0
→ Bites and stings	11	22.3	13	25.2	1	NSR	6	NSR	4	NSR	2	NSR	3	NSR	1	NSR	3	NSR
Other spec./NEC	51	103.2	50	96.9	62	129.2	37	94.8	35	118.9	41	191.8	22	139.0	28	225.7	43	313.9
Unspecified	53	107.3	55	106.6	69	143.8	55	141.0	62	210.6	47	219.9	46	290.6	46	370.8	71	518.2
Total: All mechanisms	452	914.7	519	1,006.3	572	1,192.2	467	1,197.1	377	1,280.6	375	1,754.6	359	2,267.7	382	3,079.2	659	4,810.2

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

Technical Notes

INJURY DEATHS

Data Source

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

There is a cut-off date of March 1 of the following year for compiling annual mortality files, e.g., the cut-off date for 2015 death certificates was March 1, 2016. Data pertaining to a 2014 death for which a certificate was filed after the March 1, 2015 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.

Data Quality

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.

Data Confidentiality

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.

Injury Cause Definitions

Underlying cause of death is classified according to the tenth revision of the International Classification of Diseases (ICD-10). Current injury coding definitions are based on the "ICD-10 Framework for Injury Mortality Data – External Cause", published by the National Center for Health Statistics. The list below shows the cause of death and corresponding ICD-10 codes used to classify resident deaths in this report.

INJURY CAUSE	ICD-10 CODES
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

Leading Causes of Injury Death: ICD-10 Codes

These are the injury definitions used in the rankings for leading causes of death.

UNINTENTIONAL INJURY

Falls – W00-W19

Poisoning – X40-X49

MVT – V02-V04 (.1, .9), V09.2, V12-V14 (.3-.9), V19 (.4-.6), V20-V28 (.3-.9), V29 (.4-.9), V30-V79 (.4-.9), V80 (.3-.5), V81.1, V82.1, V83-V86 (.0-.3), V87 (.0-.8), V89.2

Transport – V00-V99 (*all remaining) except for V90, V92

Firearm – W32-W34

Drowning – W65-W74, V90, V92

Suffocation – W75-W84

Fire/flames – X00-X09

Burn/scald – X10-X19

Cut/pierce – W25-W29, W45

Struck by – W20-W22, W50-W52

Bite/sting – W53-W59, X20-X27, X29

Overexertion – X50

SUICIDE (SELF-INFLICTED INJURY)

Poisoning – X60-X69

Firearm – X72-X74

Hanging – X70

Cut/pierce – X78

HOMICIDE (ASSAULT INJURY)

Firearm – X93-X95, U01.4

Cut/pierce – X99

Struck by – Y00, Y04

INJURY OF UNDETERMINED INTENT

Poisoning – Y10-Y19

INJURY HOSPITALIZATIONS

Source of Data

The Pennsylvania Health Care Cost Containment Council (PHC4) is the source for all injury hospitalization data in this report. This data, which includes hospital charge and treatment information, is collected on a quarterly basis and is then verified by PHC4 staff. Please see the PHC4 website www.phc4.org for more information.

The hospitalization injury data set used in this report is a sub-set of the entire inpatient hospitalization data set received from PHC4. The following steps are used to create the hospitalization injury data set:

1. The total hospitalization data set, when received, is grouped by quarter. The four quarters are combined to get a data set for the entire year.
2. A list of facilities in operation for each of the four quarters, also from PHC4, is created. For this report, only specialty general acute care, long-term acute care and general acute care facilities are included.
3. The list of facilities is merged with the total hospitalization data set. Only hospitalizations of Pennsylvania residents treated at an acute facility are included.
4. The E-code field is searched. If invalid E-codes are found, the field is changed to a blank. If a location E-code (E849) is found, it is moved to a separate location field.
5. If there is no valid E-code in the E-code field, the primary and secondary diagnosis fields are searched for a valid E-code. The first valid E-code found in one of these diagnosis fields is moved to the E-code field.
6. All records with a valid E-code in the E-code field or a valid N-code in the primary diagnosis field are included in the hospitalization injury data set. See the chart below for inclusion and exclusion criteria for N-codes.

Include	Exclude
800–909.2	< 800
909.4,909.9	909.3, 909.5
910–994.9	995.0–995.4
995.5–995.59	995.6–995.7
995.80–995.85	995.86,995.89
	995.90–995.94
	996–999

Data Confidentiality

The confidentiality of hospitalization discharge records is maintained by PHC4. The release of individual identifying information by the Pennsylvania Department of Health is forbidden. Please contact PHC4 at www.phc4.org for more information.

Data Quality

The responsibility for hospital data quality testing and editing lies with PHC4. Please contact PHC4 at www.phc4.org for more information.

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

- 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.

Injury Cause Definitions

Hospitalization data are classified according to the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM). Current coding definitions are based on the "Consensus Recommendations for Using Hospital Discharge Data for Injury Surveillance", published by the Safe States Alliance (formerly STIPDA) in 2003. The list below shows the cause of hospitalization and corresponding ICD-9-CM external cause of injury codes (e-codes) used to classify injury hospitalizations in this report.

INJURY CAUSE	ICD-9-CM CODES
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

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

These are the injury definitions used in the rankings for leading causes of hospitalization.

UNINTENTIONAL INJURY

Falls – E880-E886, E880

Poisoning – E850-E858, E860-E869

MVT occupant – E810-E819 (.0-.1)

MVT motorcycle – E810-E819 (.2-.3)

Pedal cycle – E800-E807 (.3), E810-E825 (.6), E826-E829 (.1), E826.9

Pedestrian – E800-E807 (.2), E810-E825 (.7), E826-E829 (.0)

Transport – E800-E807 (*), E810-E825 (*), E826-E829 (*), E831, E833-E848 (*all remaining)

Firearm – E922 (.0-.3, .8-.9)

Drowning – E830, E832, E910

Suffocation – E911-E913

Fire/flames – E890-E899

Burn/scald – E924

Cut/pierce – E920

Struck by – E916-E917

Bite/sting – E905 (.0-.6, .9), E906 (.0-.5, .9)

Overexertion – E927

SELF-INFLICTED INJURY

Poisoning – E950-E952

Firearm – E955 (.0-.4)

Hanging – E953.0

Cut/pierce – E956

ASSAULT INJURY

Firearm – E965 (.0-.4), E9794

Cut/pierce – E966

Struck by – E960.0, E968.2

INJURY OF UNDETERMINED INTENT

Poisoning – E980-E982

POPULATION NUMBERS

Source of Data

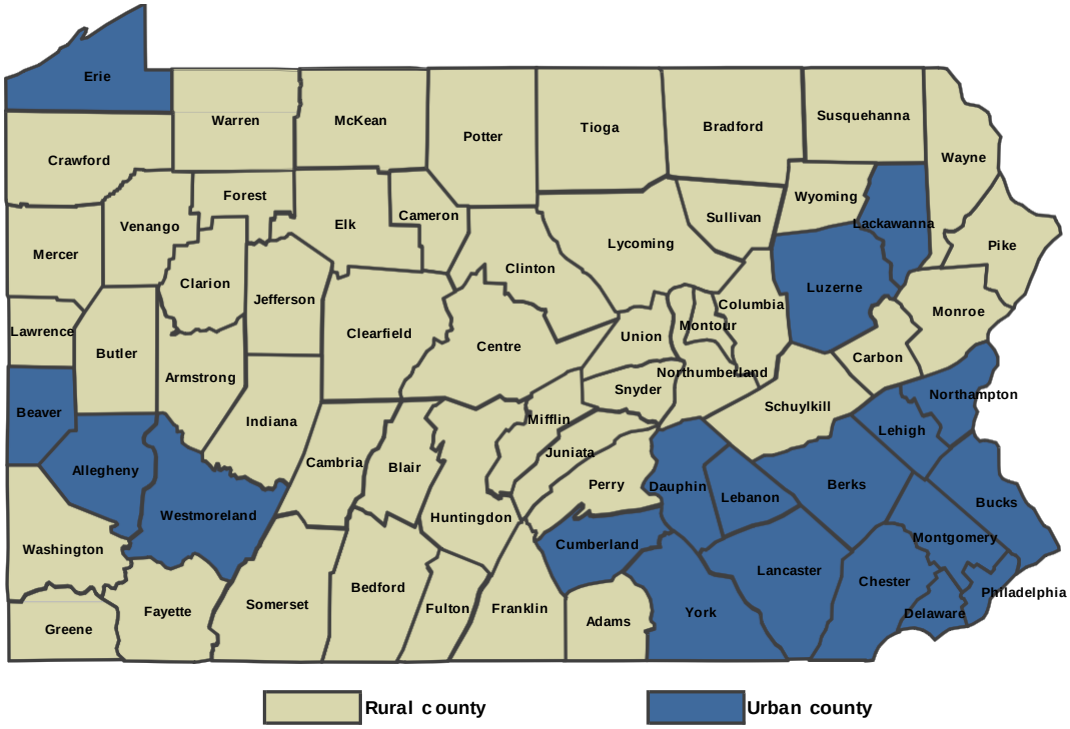
Population estimates for the years 2010-2014 used to compute rates were produced jointly by the United States Bureau of the Census and the State Data Center of the Pennsylvania State University at Harrisburg under the Federal-State Cooperative Program for Local Population Estimates. They are generated 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/.

Urban/Rural Definitions

Definitions of urban and rural used in this report are taken from the Center for Rural Pennsylvania, 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

Definitions

AGE-SPECIFIC RATE -

Number of events for a specified age group per 100,000 population of that age.

AGE-ADJUSTED RATE (DIRECT METHOD) -

Age-specific rates for a selected population are applied to a standard population (in this report the 2000 United States standard million population was used) to calculate what rate would be expected if the selected population had the same age distribution as the standard population. The total of these expected events divided by the total of the standard population and multiplied by 100,000 yields the age-adjusted rate per 100,000.

It is important to use the same standard population in the computation of each age-adjusted rate to allow comparability among age-adjusted rates. Age-adjusted rates are artificial measurements and should never be compared with any other type of rate or be used to calculate the actual number of events. The age distribution for the 2000 United States standard million population, used in calculating rates for this report, is shown below:

2000 US STANDARD POPULATION

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

Reliability of Rates

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

Variation of a rate is directly related to the number of events used to calculate the rate. The smaller the number of events used in the calculation of a rate, the higher the variability of the rate will be. Rates based on small numbers of events, as well as rates for a geographic area or demographic group with very small population, should be of particular concern and be used cautiously.

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

It is also common practice among data users familiar with health statistics to calculate what is called a standard error (SE) of a rate. This statistic defines a rate's variability and can be used to calculate a confidence interval (CI) to determine the actual variance of a rate 95 percent of the time. Standard error and confidence intervals are discussed in the section 'Comparing Age-Adjusted Rates'.

Calculating Average Annual Rates

The average annual rate is a ratio of the number of events of interest in an at-risk population over a multi-year period, divided by the sum of populations at-risk each year. Note: the denominator does **not** reflect an estimate of the actual population for the multi-year period, as individuals who lived in the same county for more than one year would be counted more than once. Rather, the number reflects units of time spent in residence.

Use the following formula to compute average annual rate:

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

Where:

k_i = number of events of interest for the ith year of the multi-year period
p_i= population estimate (or Census count) in the ith year of the multi-year period
n= number of years in the multi-year period

Example: Calculating Average Annual Rates

Below is the data for deaths due to unintentional falls in Allegheny County for all persons age 80-84 for the years 2006-2008. Let's use this data to calculate an average annual death rate for this multi-year period.

UNINTENTIONAL FALLS DEATHS, 2006-2008

County	Year	Age	Count	Population
Allegheny	2006	80-84	13	34,461
Allegheny	2007	80-84	16	34,088
Allegheny	2008	80-84	29	33,507

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

$$\sum_{i=1}^{3} k_i = k_1 + k_2 + k_3 = 13 + 16 + 29 = 58$$

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

$$\sum_{i=1}^{3} p_i = p_1 + p_2 + p_3 = 34{,}461 + 34{,}088 + 33{,}507 = 102{,}056$$

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

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

Comparing Age-Adjusted Rates

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

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

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:

$$\mathbf{R \pm (1.96 \times SE)}$$

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 ± 0.30. By subtracting and adding 0.30 to the original rate of 14.7, a range is produced. This range (14.4 –15.0) is the estimated 95 percent confidence interval for the rate. One could then state with 95 percent certainty that the actual age-adjusted rate of poisoning deaths for the state during 2004-2008 was between 14.4 and 15.0.

To compare a particular county's age-adjusted poisoning death rate for 2004-2008 with the state's corresponding rate, one repeats the steps shown above to obtain a 95 percent CI for that county's rate. If the CIs for the state and county rates do not overlap, then the two rates are considered to be significantly different at the 95 percent confidence level.

Note: Confidence limits in this report are only shown rounded to the nearest tenth. Yet significance tests use the CIs before they are rounded in order to determine significance. Therefore, it is possible for a county's upper or lower confidence limit (rounded) to appear equal to the state's upper or lower confidence limit and have the county rate still be significantly different from the state rate. Comparison of confidence limits is an approximate method.

Example: Comparing Age-Adjusted Rates

As an example, the following table shows the total counts, age-adjusted rates and confidence intervals for poisoning deaths in Pennsylvania, as well as Blair, Cambria and Huntingdon Counties for 2004-2008.

POISONING DEATHS, PA 2004-2008

County	Count	Rate	CI
Pennsylvania	8,954	14.7	14.4-15.0
Blair	97	16.2	12.9-19.4
Cambria	182	26.0	22.2-29.8
Huntingdon	20	8.4	4.7-12.1

Both Blair and Cambria counties had poisoning death rates above the state rate. However, upon closer examination, we see that the state rate fell within the CI for Blair County. Therefore, we can say (with 95 percent confidence) that there was no significant difference between the poisoning death rates in Blair County and Pennsylvania. On the other hand, Cambria County's CI did **not** contain the value of the state rate. Thus, we can say that Cambria County's poisoning death rate was significantly higher than the state's rate for the period of 2004-2008. By similar logic, we can say that Huntingdon County's poisoning death rate was significantly lower than the state's rate for 2004-2008.

This example points to an important result that the user should note. The smaller the number of events upon which the rate is based, the larger the SE and range of the CI will be. This clearly demonstrates the greater variability (and lower reliability) of rates based on smaller numbers. As a general rule, age-adjusted rates based on fewer than 20 events are considered "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.

Pennsylvania Department of Health
Violence and Injury Prevention Program Bureau
of Health Promotion and Risk Reduction
Division of Health Risk Reduction

625 Forster St.
Room 1008 Health and Welfare Building
Harrisburg, PA 17120

717–787–5900
http://www.health.pa.gov