

# INJURIES IN PENNSYLVANIA

## Hospital Discharges 1999

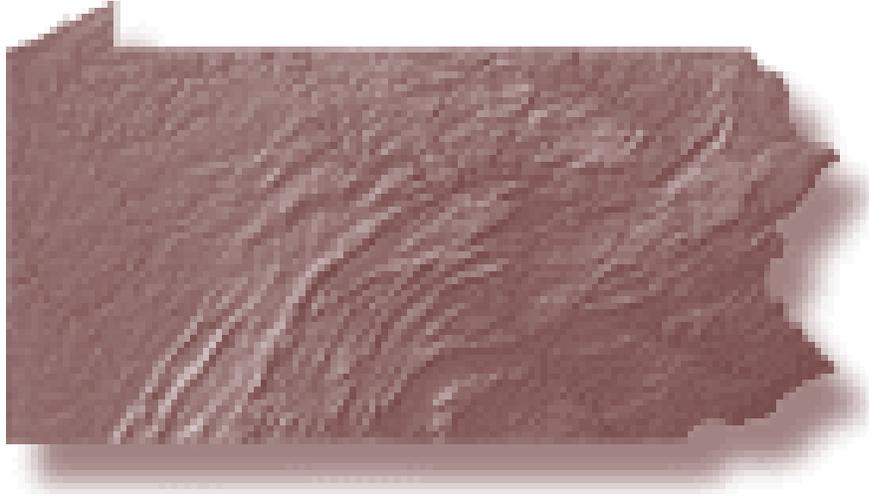
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# **Injuries in Pennsylvania**



## **Hospital Discharges 1999**

Injury Prevention Program  
Bureau of Chronic Diseases and Injury Prevention  
Division of Health Risk Reduction  
Pennsylvania Department of Health  
P. O. Box 90, Room 1008  
Harrisburg, PA 17108-0090  
717-787-5900

April 2002

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## Acknowledgments

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This monograph was prepared by Stephen J. Strotmeyer, M.P.H. and Harold B. Weiss, Ph.D., M.P.H., from the Center for Injury Research and Control (CIRC), Department of Neurological Surgery, University of Pittsburgh, UPMC Presbyterian, 200 Lothrop Street, Suite B-400, Pittsburgh, PA 15213-2582. Telephone (412) 648-2600; Fax (412) 648-8924; E-mail: [www.circl.pitt.edu](http://www.circl.pitt.edu)

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Injury Prevention Program  
Division of Health Risk Reduction  
Pennsylvania Department of Health  
P. O. Box 90, Room 1008  
Harrisburg, PA 17108-0090  
717-787-5900

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## List of Abbreviations and Special Symbols

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E-code	External cause of injury code
HDD	Hospital Discharge Data
ICD-9-CM	International Classification of Diseases, Ninth Edition, with Clinical Modification
PHC4	Pennsylvania Health Care Cost Containment Council
NEC	Not elsewhere Classifiable
.	Rate not computed, < 5 cases. Statistic not computed, 0 cases.
MV	Motor Vehicle

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## Executive Summary

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Nationally, injury is the leading cause of death among children and young adults. It is also a cause of much morbidity and disability in all ages.<sup>1-3</sup> However, in the Commonwealth of Pennsylvania, what is known about injuries has been based mostly on mortality<sup>4</sup> which generally represents much less than 1% of medically treated injuries. This report describes the injury problem in Pennsylvania using the State Hospital Discharge Data (HDD) compiled by the Pennsylvania Health Care Cost Containment Council (PHC4). It is the third annual report, in a series, to comprehensively document the injury burden to Pennsylvanians using hospitalized data.

In 1999, 119,982 reported injury cases to Pennsylvania residents were discharged from hospitals in the Commonwealth of Pennsylvania, a rate of 1,000.2 per 100,000 persons. The leading causes of hospitalized injury were falls, poisonings, and injuries to occupants of motor vehicles. Rare causes included injuries from drowning and suffocation. The majority of injuries were reported as unintentional. Subgroups of the population with highest rates were Blacks and the elderly. The rate in males was 986.3 compared to 1,013.1 for females. The rate in Blacks was 1.2 times that of Whites.

Findings from this report continue to demonstrate that injuries are an important and costly public health problem in the Commonwealth of Pennsylvania. For many causes of injury hospitalization, the rates in Pennsylvania exceed the rates set in the *Healthy People 2000: National Health Promotion and Disease Prevention Objectives* as national targets.

Second, this report has identified specific segments of the population at highest risk for injury in general, and for specific causes of injury. For example, persons at the extremes of age, particularly the elderly, were noted to have very high injury hospitalization rates especially for falls, hip fractures and pedestrian injuries. Regarding specific causes, pedestrian and firearm-related injuries were found to be important problems for Black children ages 5-14 and 15-24 years, respectively. This information should be useful for program planning, prioritization, and comparisons among counties.

Third, this report can assist in targeting populations for specific injury control programs, for example, bicycle helmet programs for children, suicide prevention for persons 15-29 years of age, and fire prevention programs that distribute smoke detectors for specific counties that have a higher prevalence of fire and burn injuries.

Finally, data in this report series will eventually permit useful trend analysis in the state. Such trend analysis will be important in tracking the progress of the state regarding achieving the Healthy People 2000 objectives and other goals that are based on hospitalizations or morbidity indices.

Readers and users of this report should use caution when interpreting many of the findings in this report because of incomplete E-coding and the injury definition used. Relative rates, or, the magnitude of differences within each table, are useful and valid for comparisons. However, the absolute numbers may not necessarily reflect the exact quantitative burden on Pennsylvania's population. In particular, non-residents were excluded for analysis. 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 risk factors: injuries occur to high risk individuals, occur in high risk places, and involve high risk products. These numbers indeed point the way.

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## Fact Sheet

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- In 1999, a total of 119,982 injury hospital discharges were reported by Pennsylvania hospitals, representing an injury hospital discharge rate of 1,000.2 per 100,000 persons.
- Males experienced an overall rate of 986.3 per 100,000 persons compared with a female rate of 1,013.1 per 100,000 persons.
- The overall injury rate for Blacks was 1.2 times that of Whites.
- Falls accounted for 45.7% of all injury discharges that were assigned valid E-codes.
- Violence, including self-inflicted injuries and assaults, comprised 10.7% of all injury hospital discharges with rates of 66.3 and 40.4 per 100,000 persons, respectively.
- The hospital discharge rate from assaults for Blacks was 11 times that of Whites.
- Among Pennsylvanians ages 20-24 years old, 669 out of every 100,000 Blacks were discharged from a hospital as a result of a firearm-related injury.
- The hospital discharge rate for nonfatal spinal cord injuries in Pennsylvania was 16.0% lower than the national rate set as the target for the Year 2000.
- The hospital discharge rate for nonfatal head injuries in Pennsylvania was 12.5% higher than the national rate set as the target for the Year 2000.
- For persons ages 65 years and older, the hospital discharge rate from hip fractures in Pennsylvania was 64.5% higher than the national rate set as the target for the Year 2000.

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## Narrative

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### ***Overview of Monograph***

This monograph begins with a short narrative that incorporates the scope of the injury problem, background to the Pennsylvania E-code Project, data source, injury definition used, data limitations, and data analysis, along with graphical highlights of the data. Using bullets, important findings portrayed by each of ten graphs are highlighted. Following this narrative, detailed tables depicting county specific data and statewide data are presented.

Technical notes on the methods and the International Classification of Diseases, Ninth Revision, with Clinical Modification (ICD-9-CM) groupings used in this report are included in an appendix. The ICD-9-CM categories include overall E-code groups, E-codes for specific injury mechanisms, and codes for spinal cord injuries, head injuries, and hip fractures. The appendix also includes a brief description of the state's status toward meeting the Healthy People (Year) 2000 Objectives.

### ***Background to the Pennsylvania E-code Project***

This report was conceived under a sub-contract known as the *Pennsylvania E-code Analysis, Reporting and Training Project*. Funded by the Pennsylvania Department of Health, the project is coordinated and managed by the University of Pittsburgh's Center for Injury Research and Control (CIRC). The goal of this ongoing project is to promote the accurate and complete collection and use of external cause-of-injury codes (E-codes) from the State Hospital Discharge Data (HDD) system and other data sources through educational, informational, and analytic efforts. E-codes provide a supplementary classification to the ICD-9-CM to identify environmental events, circumstances, and conditions as the cause of injury.

The main activities under the project include the following:

- Conducting training workshops for medical record coders.
- Performing data analyses and preparing annual reports of injury and behavioral risks.
- Publishing the "Pennsylvania Injury Data Resource Guide."

### ***Data Source***

The 1999 statewide Hospital Discharge Data compiled by the PHC4 was the primary data source for this report. The PHC4 compiles data on inpatient discharges from all hospitals in Pennsylvania. The data set contains patient specific data with numerous fields of interest for injury surveillance, including patient demographics (age, gender, and race), discharge diagnoses (principal diagnosis, one to eight secondary diagnoses), type and source of admission, and characteristics of admission and discharge (admission quarter and year,

discharge quarter and year). Data for this report include all 1999 hospital discharges due to injuries to Pennsylvania residents.

### ***Injury Definition Used***

An injury hospital discharge was defined as one occurring in the Commonwealth of Pennsylvania that was assigned an ICD-9-CM code between 800 and 995 as its primary diagnosis *or* one with any diagnosis outside ICD-9-CM codes 800-995 but with a valid E-code. A few cases were excluded [see Appendix A].

In this report, injury discharges are primarily grouped by a dual axis matrix of mechanisms (or causes) and intent. The mechanism/intent matrix assigns E-codes to cause groups in a *row* and intent group in a *column* to represent injuries of a certain cause and the intentionality associated with the injury. The intent may be specified as unintentional, self-inflicted (including para-suicides), assault (including attempted homicides), or other/unspecified [see Appendix B]. The causes represent categories of groups by which related types of injuries occur, e.g. firearms, poisonings. In this fashion, the magnitude of all related injury problems is better surmised so as to identify appropriate preventive strategies that may be effective across cause groups.

Some tables and figures in this report emphasize causes as defined in the mechanism/intent matrix, some emphasize intent as also defined in the matrix, and others combine the two perspectives in a cross-tabulation manner. *Cause* and *mechanism* are used interchangeably throughout the report to mean the same thing.

### ***Data Limitations***

There were several limitations with the data that need to be considered when interpreting the results presented in this report including the following:

- The consistency with which E-codes are used and assigned might vary among hospitals.
- Varying specificity among E-codes and the use of non-specific E-codes.
- Existence of a few ambiguous codes.
- Lack of medical record injury documentation leading to incomplete or lack of 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 injuries with intentional intent.
- Possibility of double counting some cases because there was no way to identify re-admissions. This could happen for cases that might have been admitted and transferred to another institution.

- Hospital coding errors are not always captured during the PHC4 editing process that may result in the possibility that a small number of coding errors were introduced in some fields.
- Exclusion of non-residents.

Finally, readers are cautioned about missing data on several variables. Due to the limitations mentioned above, readers are cautioned about extrapolation of this data and comparison of 1999 data with those of other years. Data in many of the tables may not add up to the total number of injury hospital discharges due to missing or out-of-range data.

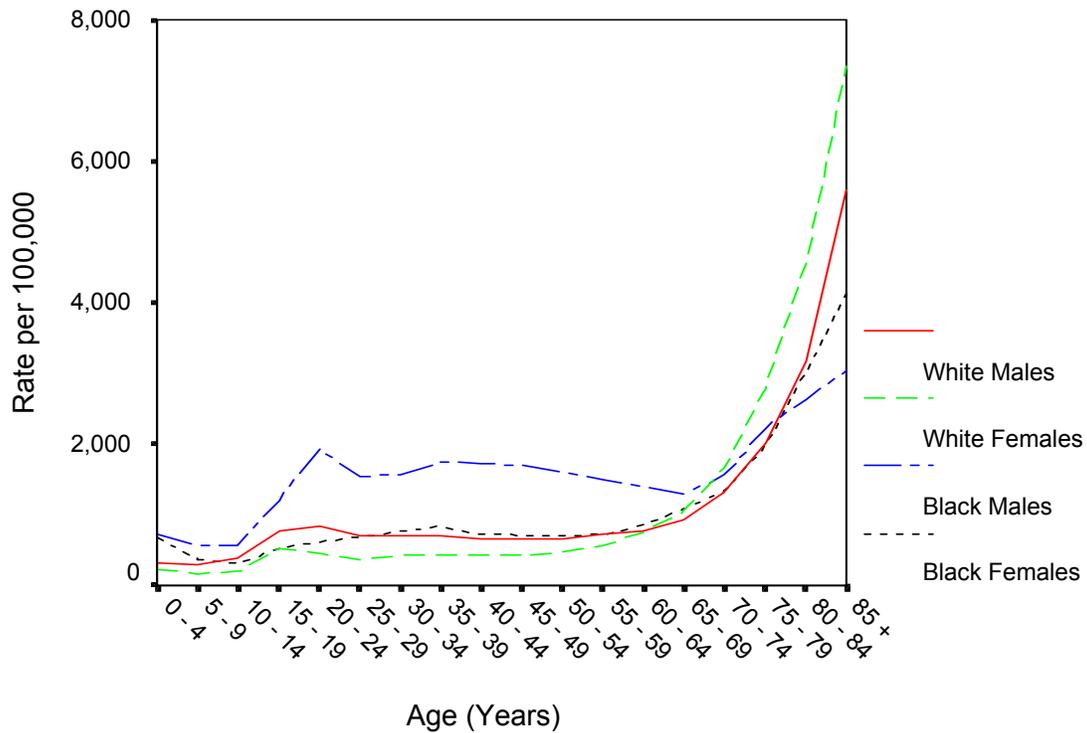
### ***Data Analysis***

Data analysis was performed using SPSS.<sup>5</sup> Several mortality and morbidity reports from the Commonwealth and other states were consulted for the analysis presented in this report.<sup>6-15</sup> The analysis was performed according to suggested recommendations published recently.<sup>16</sup> Data for population-based rates statewide and for each county were obtained from the State Bureau of Health Statistics<sup>17,18</sup> and the U.S. Bureau of Census.

Rates were computed for several specific injury causes (e.g. fall, firearm) and injury types (e.g. assaults, spinal cord injuries) to provide data to track Pennsylvania's progress towards meeting the Healthy People (Year) 2000 Objectives.<sup>19</sup> Details of data analysis are included in Appendix A. The E-codes for each mechanism (cause of injury) or intent grouping, as well as the codes for specific injury causes and types are also listed in Appendix B.

## **Graphical Highlights**

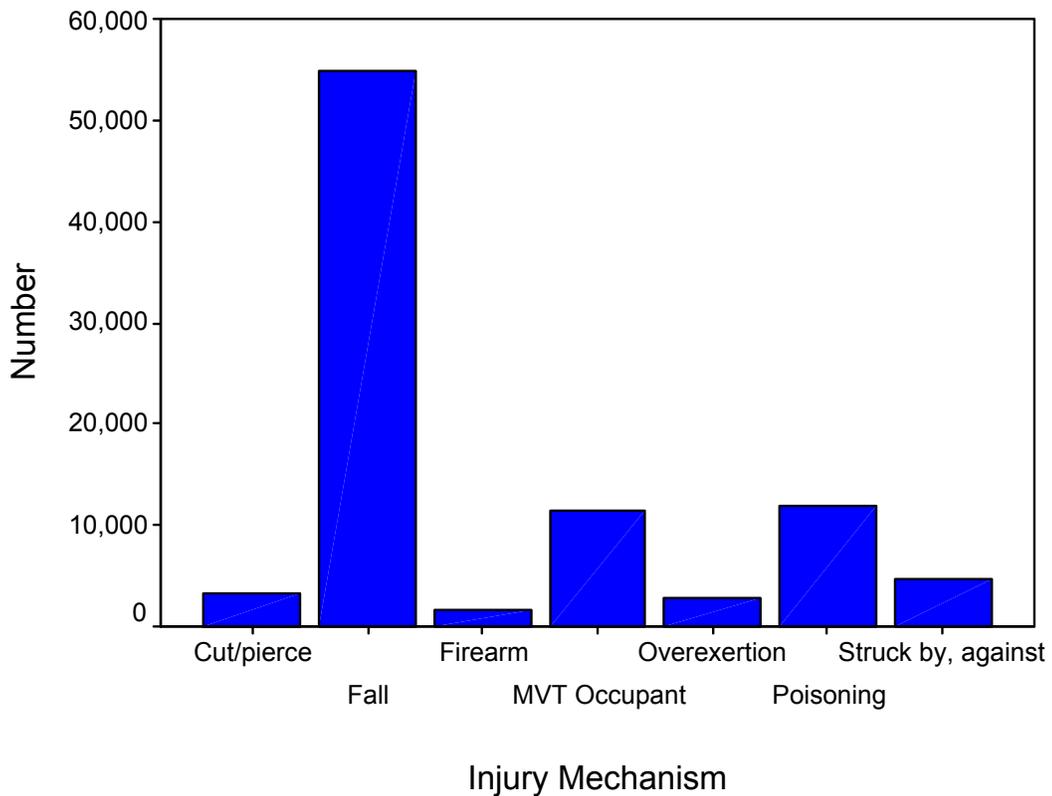
**Figure 1 Hospital Discharge Rates by Race-Gender and Age Group, Pennsylvania, 1999**



Source: PHC4.

- ❑ Overall, the injury hospital discharge rate for males (986.3 per 100,000 persons) was significantly lower (Pearson  $\chi^2$  test) than that of females (1,013.1 per 100,000).
- ❑ Among Black persons, males experienced a higher injury hospital discharge rate than females from birth to age 70 years, after which the trend reversed.
- ❑ Among White persons, males experienced a higher injury hospital discharge rate than females from birth to age 65 years.
- ❑ Overall injury hospital discharge rate for Blacks was 1.2 times that of Whites.

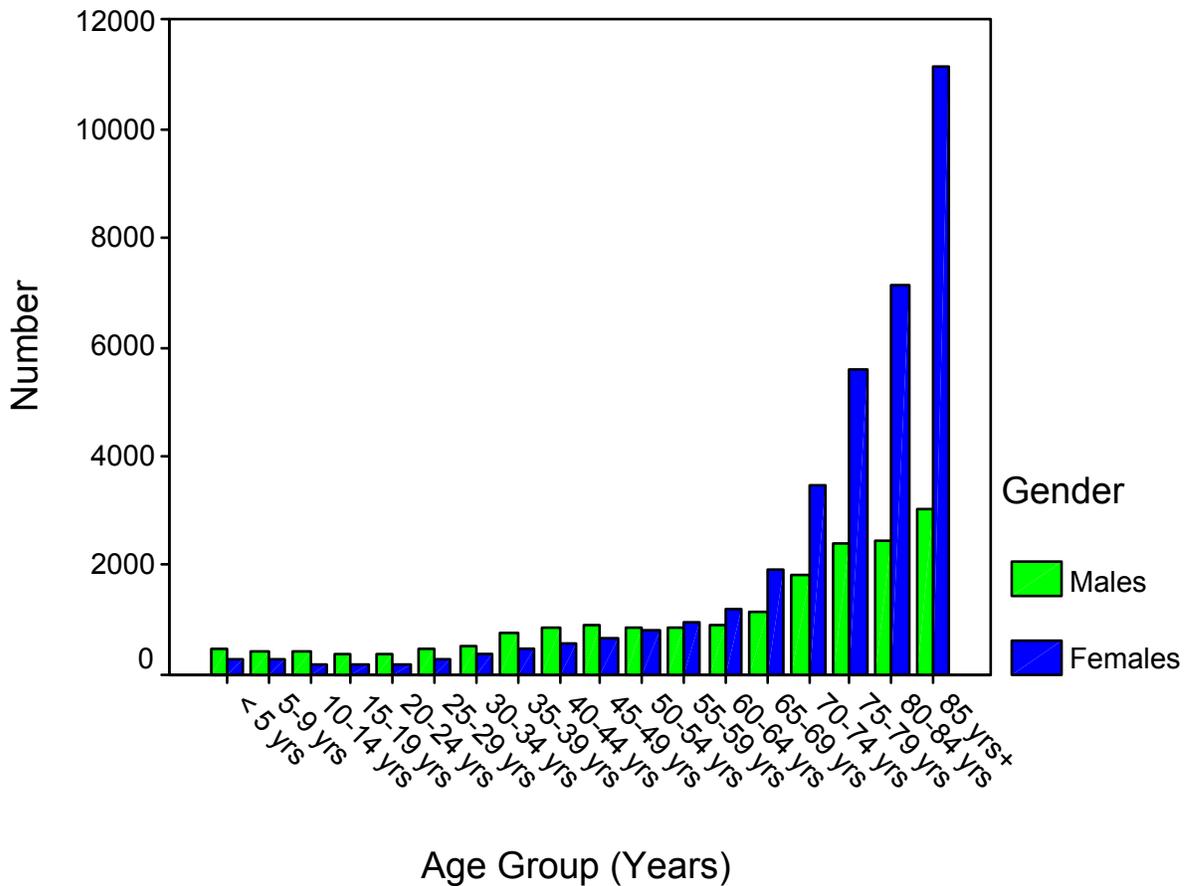
**Figure 2 Hospital Discharges for Leading Injury Mechanisms, Pennsylvania, 1999**



Source: PHC4

- **The 3 leading causes for injury-related hospital discharges among Pennsylvanians continues to be falls, poisonings and motor vehicle-related.**

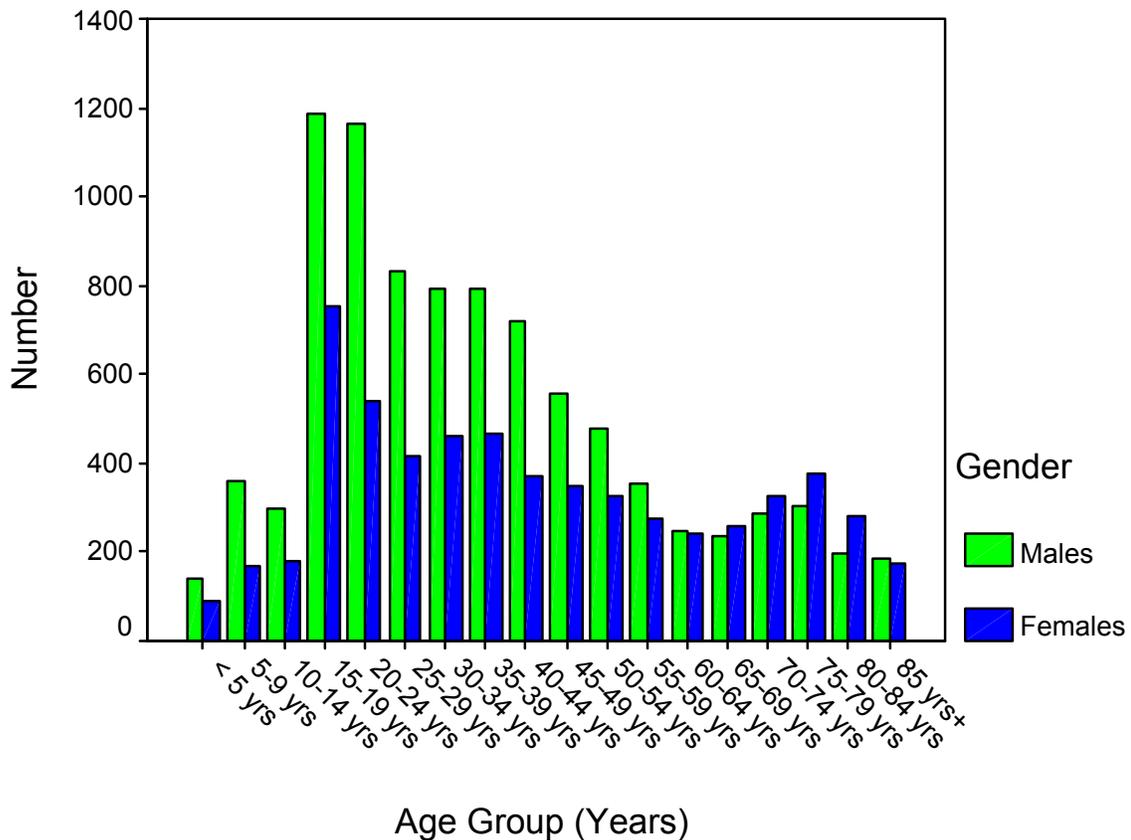
**Figure 3 Hospital Discharges for Falls by Age Group and Gender, Pennsylvania, 1999**



Source: PHC4

- ❑ **The frequency distribution of hospital discharges from falls demonstrates an increasing trend with age.**
- ❑ **Among persons under 55 years, the frequency of hospital discharges from falls was higher in males.**
- ❑ **After age 55 years, females demonstrate increasingly higher frequencies of hospitalizations from falls than do males.**
- ❑ **The greatest disparity in frequency of falls by gender was among older persons aged 85 years and older.**

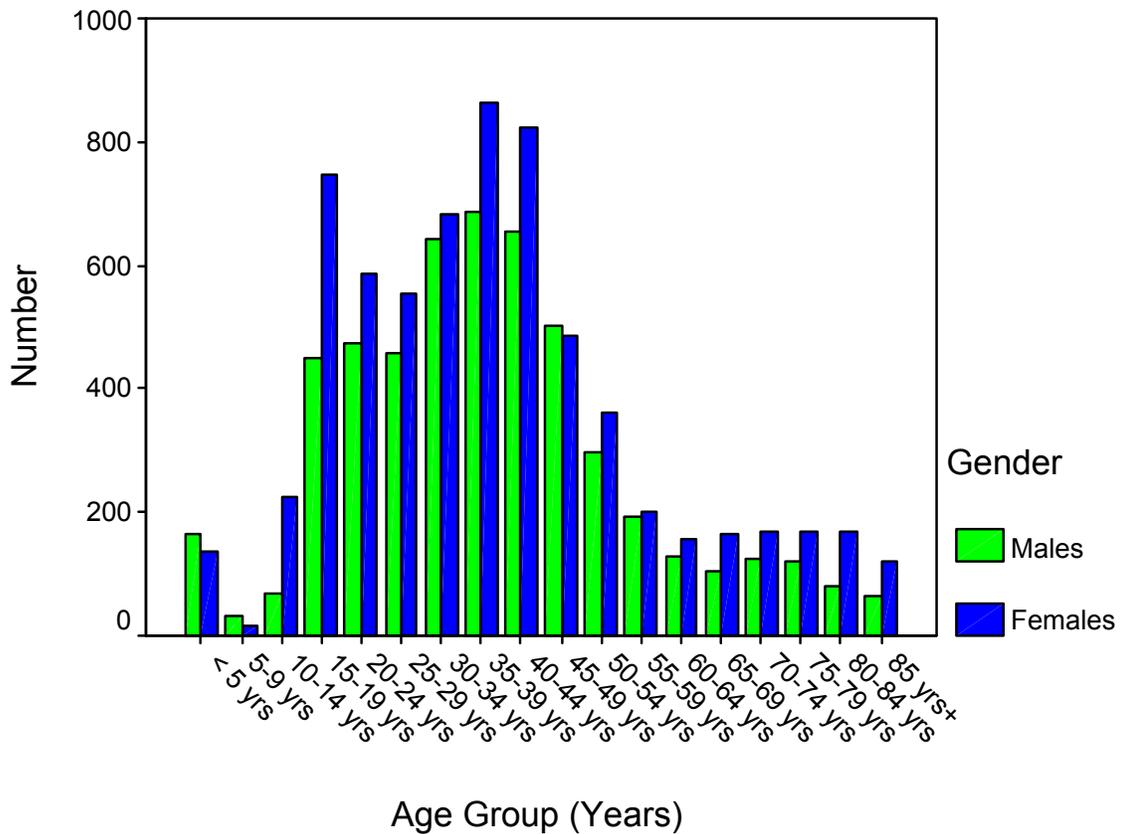
**Figure 4 Hospital Discharges for Motor Vehicle-related Injuries by Age Group and Gender, Pennsylvania, 1999**



Source: PHC4

- ❑ **The frequency distribution of hospital discharges from motor vehicle-related (MVR) injuries was bimodal with peaks in persons 15-45 years and those ages 65-85 years.**
- ❑ **Among persons 15-54 years, the frequency of hospital discharges from MVR injuries was higher in males.**
- ❑ **Between 65 and 84 years of age, females demonstrate the higher frequency for MVR injuries.**
- ❑ **The greatest disparity in frequency of MVR injuries by gender was among older teenagers aged 15-19 years and young adults aged 20-44 years.**

**Figure 5 Hospital Discharges for Poisonings by Age Group and Gender, Pennsylvania, 1999**



Source: PHC4

- ❑ **The most frequent hospital discharges from poisonings was among females ages 35-39 years. In 1998, this was highest among 15-19 year old females.**
- ❑ **Among persons under 10 years, the frequency of hospital discharges from poisonings was higher in males.**
- ❑ **The greatest disparity in frequency of poisonings by gender was among children aged 10-14 years and the elderly (80 years and older).**

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## Detailed Tables of Statewide Data

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**Table 1 Hospital Discharges for all Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1,488	407.7	1,088	313.5	2,576	361.8
5-9	1,481	360.4	832	213.2	2,313	288.7
10-14	1,892	441.3	974	238.2	2,866	342.2
15-19	3,985	948.1	2,343	580.8	6,328	768.2
20-24	4,038	1,143.4	1,858	530.9	5,896	838.5
25-29	3,463	952.1	1,755	465.4	5,218	704.4
30-34	3,718	912.5	2,245	531.9	5,963	718.9
35-39	4,379	926.8	2,625	548.1	7,004	736.2
40-44	4,268	869.4	2,588	514.7	6,856	689.9
45-49	3,645	860.0	2,278	506.8	5,923	678.2
50-54	2,953	830.8	2,176	563.6	5,129	691.7
55-59	2,496	892.7	2,046	657.3	4,542	768.7
60-64	2,128	918.3	2,224	840.8	4,352	877.0
65-69	2,337	1,078.0	3,134	1,175.1	5,471	1,131.6
70-74	3,181	1,506.7	5,065	1,828.9	8,246	1,689.6
75-79	3,808	2,282.7	7,524	3,050.7	11,332	2,740.8
80-84	3,591	3,520.7	9,010	5,015.5	12,601	4,474.2
85+	4,012	6,121.5	13,338	7,998.6	17,350	7,469.0
All Ages	56,863	986.3	63,103	1,013.1	119,966	1,000.2

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 2 Hospital Discharges for all Injuries by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	915	312.4	621	224.3	1,536	269.6
5-9	958	289.6	532	169.9	1,490	231.4
10-14	1,356	384.0	656	195.3	2,012	292.0
15-19	2,658	759.6	1,749	519.8	4,407	642.0
20-24	2,493	849.4	1,287	445.9	3,780	649.3
25-29	2,135	700.6	1,149	369.1	3,284	533.1
30-34	2,399	694.7	1,520	427.5	3,919	559.2
35-39	2,837	694.5	1,806	440.0	4,643	566.9
40-44	2,844	659.9	1,861	426.3	4,705	542.4
45-49	2,503	664.2	1,650	419.7	4,153	539.4
50-54	2,095	655.4	1,621	475.7	3,716	562.7
55-59	1,808	716.0	1,558	565.2	3,366	637.3
60-64	1,620	771.6	1,777	755.2	3,397	762.9
65-69	1,834	929.0	2,521	1,054.1	4,355	997.5
70-74	2,552	1,307.2	4,212	1,659.3	6,764	1,506.2
75-79	3,148	2,027.1	6,346	2,779.6	9,494	2,474.9
80-84	3,042	3,169.3	7,640	4,546.3	10,682	4,045.8
85+	3,406	5,607.5	11,389	7,342.6	14,795	6,854.3
All Ages	40,603	816.4	49,895	931.9	90,498	876.3

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 3 Hospital Discharges for all Injuries by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	325	734.1	288	671.5	613	703.3
5-9	301	566.2	192	373.6	493	471.5
10-14	287	563.6	149	300.7	436	433.9
15-19	559	1,205.4	231	524.7	790	873.9
20-24	728	1,931.4	244	616.3	972	1,257.7
25-29	579	1,536.4	287	684.6	866	1,087.8
30-34	623	1,570.2	328	763.3	951	1,150.7
35-39	737	1,749.1	389	836.7	1,126	1,270.5
40-44	706	1,729.4	335	719.0	1,041	1,190.8
45-49	542	1,693.3	286	712.4	828	1,147.6
50-54	394	1,612.0	228	709.2	622	1,099.2
55-59	281	1,504.7	188	716.7	469	1,044.4
60-64	213	1,383.2	191	854.6	404	1,070.2
65-69	193	1,297.3	238	1,085.0	431	1,170.8
70-74	198	1,553.9	250	1,332.7	448	1,422.2
75-79	209	2,225.5	299	1,976.1	508	2,071.6
80-84	127	2,634.9	292	3,020.0	419	2,891.8
85+	112	3,033.6	399	4,133.0	511	3,828.9
All Ages	7,114	1,345.3	4,814	800.4	11,928	1,055.4

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 4 Cause of Hospitalization by Age Group (0-44), Number and Rate, Pennsylvania, 1999**

	Age Group (Years)																			
	Under 5		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44			
	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*		
Cut/Pierce	64	9.0	93	11.6	113	13.5	341	41.4	400	56.9	336	45.4	346	41.7	405	42.6	297	29.9		
Drowning/Submersion	26	3.7	18	2.2	8	1.0	6	.7	2	.	3	.	2	.	4	.	4	.		
Fall	767	107.7	697	87.0	635	75.8	590	71.6	558	79.4	725	97.9	897	108.1	1,224	128.7	1,426	143.5		
Fire/Flame	27	3.8	24	3.0	36	4.3	46	5.6	39	5.5	45	6.1	67	8.1	81	8.5	80	8.1		
Hot Object/Scald	218	30.6	41	5.1	25	3.0	26	3.2	42	6.0	46	6.2	48	5.8	69	7.3	73	7.3		
Firearm	8	1.1	6	.7	47	5.6	317	38.5	433	61.6	222	30.0	150	18.1	136	14.3	107	10.8		
Machinery	18	2.5	12	1.5	18	2.1	44	5.3	78	11.1	78	10.5	91	11.0	106	11.1	95	9.6		
MV Occupant	127	17.8	194	24.2	216	25.8	1,643	199.5	1,373	195.3	957	129.2	978	117.9	954	100.3	784	78.9		
MV Motorcyclist	1	.	5	.6	22	2.6	91	11.0	166	23.6	154	20.8	120	14.5	137	14.4	157	15.8		
MV Pedal Cyclist	2	.	73	9.1	94	11.2	45	5.5	20	2.8	13	1.8	17	2.0	16	1.7	21	2.1		
MV Pedestrian	95	13.3	251	31.3	143	17.1	99	12.0	81	11.5	66	8.9	96	11.6	94	9.9	91	9.2		
MV Unspecified	1	.	.	.	.	.	45	5.5	46	6.5	49	6.6	36	4.3	48	5.0	34	3.4		
MV Other	1	.	7	.9	6	.7	16	1.9	14	2.0	12	1.6	6	.7	6	.6	8	.8		
Pedal cyclist, other	13	1.8	181	22.6	219	26.1	116	14.1	24	3.4	30	4.0	29	3.5	40	4.2	47	4.7		
Pedestrian, other	13	1.8	11	1.4	10	1.2	6	.7	10	1.4	9	1.2	6	.7	8	.8	10	1.0		
Transport, other	18	2.5	61	7.6	144	17.2	200	24.3	177	25.2	126	17.0	118	14.2	141	14.8	103	10.4		
Bites & Stings	110	15.4	97	12.1	62	7.4	38	4.6	54	7.7	46	6.2	88	10.6	112	11.8	114	11.5		
Other natural/env'tl factors	28	3.9	13	1.6	15	1.8	15	1.8	18	2.6	20	2.7	33	4.0	42	4.4	32	3.2		
Overexertion	9	1.3	8	1.0	63	7.5	174	21.1	114	16.2	139	18.8	167	20.1	199	20.9	225	22.6		
Poisoning	299	42.0	49	6.1	294	35.1	1,196	145.2	1,057	150.3	1,014	136.9	1,324	159.6	1,550	162.9	1,480	148.9		
Struck by, Against	94	13.2	179	22.3	295	35.2	570	69.2	447	63.6	382	51.6	405	48.8	443	46.6	422	42.5		
Suffocation	74	10.4	21	2.6	7	.8	18	2.2	25	3.6	13	1.8	17	2.0	33	3.5	35	3.5		
Other specified and classifiable	300	42.1	135	16.9	165	19.7	220	26.7	235	33.4	218	29.4	351	42.3	357	37.5	438	44.1		
Other specified, NEC	66	9.3	39	4.9	69	8.2	131	15.9	169	24.0	160	21.6	195	23.5	235	24.7	202	20.3		
Unspecified	1,286	180.5	1,139	142.1	1,431	170.8	3,202	388.7	2,994	425.8	2,668	360.1	3,046	367.1	3,616	380.1	3,559	358.1		

Source: PHC4.  
 \* Per 100,000 population, 1999; totals exclude missing data.  
 - Rate not calculated.  
 . Empty cell.

**Table 5 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Pennsylvania, 1999**

	Age Group (Years)																			
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+			
	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*		
Cut/Pierce	207	23.7	132	17.8	88	14.9	63	12.7	54	11.2	73	15.0	58	14.0	46	16.3	38	16.4		
Drowning/Submersion	6	.7	3	.	1	.	1	.	1	.	.	.	1	.	3	.	.	.		
Fall	1,630	186.6	1,691	228.0	1,811	306.5	2,085	420.2	3,084	637.9	5,286	1,083.1	7,988	1,932.0	9,594	3,406.5	14,168	6,099.1		
Fire/Flame	52	6.0	55	7.4	32	5.4	35	7.1	42	8.7	22	4.5	28	6.8	27	9.6	27	11.6		
Hot Object/Scald	60	6.9	46	6.2	62	10.5	42	8.5	46	9.5	63	12.9	41	9.9	51	18.1	37	15.9		
Firearm	41	4.7	33	4.5	25	4.2	16	3.2	13	2.7	12	2.5	11	2.7	4	.	20	8.6		
Machinery	74	8.5	78	10.5	61	10.3	48	9.7	30	6.2	25	5.1	14	3.4	17	6.0	9	3.9		
MV Occupant	685	78.4	602	81.2	489	82.8	396	79.8	399	82.5	498	102.0	547	132.3	400	142.0	293	126.1		
MV Motorcyclist	84	9.6	79	10.7	47	8.0	23	4.6	9	1.9	11	2.3	6	1.5	4	.	3	.		
MV Pedal Cyclist	8	.9	5	.7	4	.	3	.	1	.	1	.	.	.	2	.	1	.		
MV Pedestrian	81	9.3	77	10.4	56	9.5	47	9.5	49	10.1	69	14.1	93	22.5	59	20.9	42	18.1		
MV Unspecified	40	4.6	35	4.7	36	6.1	20	4.0	31	6.4	32	6.6	33	8.0	13	4.6	16	6.9		
MV Other	6	.7	4	.	2	.	1	.	2	.	6	1.2	.	.	.	.	5	2.2		
Pedal cyclist, other	31	3.5	33	4.5	16	2.7	19	3.8	16	3.3	8	1.6	7	1.7	.	.	.	.		
Pedestrian, other	11	1.3	3	.	6	1.0	6	1.2	5	1.0	9	1.8	1	.	6	2.1	5	2.2		
Transport, other	89	10.2	64	8.6	60	10.2	37	7.5	47	9.7	35	7.2	45	10.9	39	13.8	50	21.5		
Bites & Stings	104	11.9	103	13.9	89	15.1	69	13.9	68	14.1	55	11.3	71	17.2	35	12.4	41	17.6		
Other natural/env'tl factors	45	5.2	47	6.3	48	8.1	43	8.7	54	11.2	83	17.0	105	25.4	79	28.0	91	39.2		
Overexertion	191	21.9	190	25.6	182	30.8	163	32.8	172	35.6	230	47.1	211	51.0	180	63.9	155	66.7		
Poisoning	990	113.4	659	88.9	393	66.5	282	56.8	272	56.3	293	60.0	290	70.1	247	87.7	188	80.9		
Struck by, Against	308	35.3	193	26.0	138	23.4	111	22.4	103	21.3	131	26.8	133	32.2	129	45.8	139	59.8		
Suffocation	26	3.0	33	4.5	34	5.8	47	9.5	61	12.6	99	20.3	114	27.6	136	48.3	142	61.1		
Other specified and classifiable	341	39.0	275	37.1	214	36.2	203	40.9	214	44.3	292	59.8	352	85.1	284	100.8	310	133.5		
Other specified, NEC	175	20.0	126	17.0	107	18.1	84	16.9	76	15.7	80	16.4	104	25.2	96	34.1	91	39.2		
Unspecified	3,100	354.9	2,679	361.3	2,406	407.1	2,281	459.7	2,862	591.8	4,263	873.4	5,822	1,408.0	6,431	2,283.2	8,855	3,811.7		

Source: PHC4.  
 \* Per 100,000 population, 1999; totals exclude missing data.  
 - Rate not calculated.  
 . Empty cell.

**Table 6 Cause of Hospitalization by Age Group (0-44), Number and Rate, Males, Pennsylvania, 1999**

	Age Group (Years)																	
	Under 5		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44	
	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*
Cut/Pierce	41	11.2	60	14.6	74	17.3	218	51.9	305	86.4	244	67.1	248	60.9	271	57.4	215	43.8
Drowning/Submersion	18	4.9	15	3.7	5	1.2	6	1.4	2	.	3	.	1	.	2	.	4	.
Fall	464	127.1	420	102.2	445	103.8	398	94.7	363	102.8	458	125.9	520	127.6	760	160.9	860	175.2
Fire/Flame	15	4.1	14	3.4	29	6.8	35	8.3	29	8.2	31	8.5	46	11.3	59	12.5	54	11.0
Hot Object/Scald	138	37.8	21	5.1	12	2.8	14	3.3	22	6.2	32	8.8	33	8.1	48	10.2	49	10.0
Firearm	4	.	5	1.2	39	9.1	295	70.2	407	115.2	209	57.5	125	30.7	123	26.0	96	19.6
Machinery	16	4.4	9	2.2	10	2.3	43	10.2	72	20.4	73	20.1	81	19.9	102	21.6	85	17.3
MV Occupant	74	20.3	113	27.5	105	24.5	976	232.2	896	253.7	597	164.1	593	145.5	555	117.5	472	96.1
MV Motorcyclist	1	.	5	1.2	18	4.2	80	19.0	157	44.5	146	40.1	101	24.8	125	26.5	138	28.1
MV Pedal Cyclist	2	.	64	15.6	74	17.3	39	9.3	18	5.1	10	2.7	14	3.4	14	3.0	19	3.9
MV Pedestrian	60	16.4	171	41.6	97	22.6	56	13.3	49	13.9	39	10.7	61	15.0	65	13.8	67	13.6
MV Unspecified	1	.	.	.	.	.	25	5.9	29	8.2	31	8.5	19	4.7	26	5.5	20	4.1
MV Other	.	.	6	1.5	5	1.2	10	2.4	13	3.7	9	2.5	3	.	5	1.1	6	1.2
Pedal cyclist, other	10	2.7	115	28.0	183	42.7	108	25.7	22	6.2	26	7.1	22	5.4	32	6.8	39	7.9
Pedestrian, other	9	2.5	6	1.5	9	2.1	5	1.2	9	2.5	6	1.6	4	.	7	1.5	6	1.2
Transport, other	13	3.6	40	9.7	111	25.9	157	37.4	146	41.3	106	29.1	88	21.6	101	21.4	58	11.8
Bites & Stings	49	13.4	52	12.7	39	9.1	21	5.0	33	9.3	19	5.2	39	9.6	54	11.4	54	11.0
Other natural/env'tl factors	15	4.1	6	1.5	9	2.1	9	2.1	15	4.2	14	3.8	22	5.4	31	6.6	22	4.5
Overexertion	8	2.2	5	1.2	46	10.7	93	22.1	67	19.0	104	28.6	109	26.8	125	26.5	141	28.7
Poisoning	163	44.7	32	7.8	70	16.3	450	107.1	472	133.6	458	125.9	641	157.3	686	145.2	656	133.6
Struck by, Against	58	15.9	131	31.9	246	57.4	466	110.9	365	103.4	323	88.8	304	74.6	349	73.9	357	72.7
Suffocation	46	12.6	12	2.9	6	1.4	9	2.1	18	5.1	10	2.7	12	2.9	25	5.3	23	4.7
Other specified and classifiable	143	39.2	86	20.9	106	24.7	148	35.2	166	47.0	145	39.9	234	57.4	238	50.4	310	63.1
Other specified, NEC	35	9.6	26	6.3	51	11.9	90	21.4	132	37.4	121	33.3	148	36.3	183	38.7	134	27.3
Unspecified	744	15.7	735	200.9	943	229.1	2,018	470.9	2,056	492.5	1,776	502.2	1,908	522.0	2,261	550.4	2,226	469.9

Source: PHC4.

\* Per 100,000 population, 1999; totals exclude missing data.

- Rate not calculated.

. Empty cell.

**Table 7 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Males, Pennsylvania, 1999**

	Age Group (Years)																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*
Cut/Pierce	153	36.1	95	26.7	55	19.7	46	19.9	37	17.1	49	23.2	34	20.4	24	23.5	20	30.5
Drowning/Submersion	2	.	2	.	1	.	1	.	.	.	.	.	1	.	2	.	.	.
Fall	933	220.1	875	246.2	868	310.4	893	385.4	1,178	543.4	1,833	868.2	2,401	1,439.3	2,479	2,430.4	3,022	4,610.9
Fire/Flame	36	8.5	38	10.7	21	7.5	23	9.9	30	13.8	7	3.3	12	7.2	13	12.7	17	25.9
Hot Object/Scald	39	9.2	30	8.4	34	12.2	26	11.2	27	12.5	24	11.4	20	12.0	21	20.6	9	13.7
Firearm	33	7.8	27	7.6	24	8.6	15	6.5	12	5.5	10	4.7	9	5.4	4	.	19	29.0
Machinery	68	16.0	73	20.5	52	18.6	45	19.4	28	12.9	25	11.8	12	7.2	14	13.7	5	7.6
MV Occupant	395	93.2	332	93.4	264	94.4	186	80.3	188	86.7	232	109.9	249	149.3	160	156.9	147	224.3
MV Motorcyclist	69	16.3	73	20.5	40	14.3	20	8.6	9	4.2	9	4.3	5	3.0	2	.	2	.
MV Pedal Cyclist	7	1.7	4	.	4	.	3	.	1	.	1	.	.	.	2	.	1	.
MV Pedestrian	53	12.5	50	14.1	29	10.4	30	12.9	23	10.6	30	14.2	33	19.8	26	25.5	23	35.1
MV Unspecified	26	6.1	14	3.9	19	6.8	7	3.0	13	6.0	12	5.7	15	9.0	7	6.9	8	12.2
MV Other	6	1.4	4	.	.	.	1	.	.	.	5	2.4	.	.	.	.	2	.
Pedal cyclist, other	25	5.9	25	7.0	11	3.9	10	4.3	15	6.9	5	2.4	4	.	.	.	.	.
Pedestrian, other	9	2.1	1	.	3	.	2	.	3	.	5	2.4	.	.	.	.	1	.
Transport, other	54	12.7	38	10.7	32	11.4	27	11.7	25	11.5	15	7.1	18	10.8	15	14.7	20	30.5
Bites & Stings	50	11.8	47	13.2	48	17.2	33	14.2	25	11.5	23	10.9	26	15.6	11	10.8	16	24.4
Other natural/env'tl factors	33	7.8	35	9.8	31	11.1	33	14.2	29	13.4	44	20.8	52	31.2	33	32.4	30	45.8
Overexertion	114	26.9	122	34.3	102	36.5	81	35.0	68	31.4	82	38.8	68	40.8	47	46.1	23	35.1
Poisoning	504	118.9	296	83.3	191	68.3	127	54.8	106	48.9	123	58.3	122	73.1	80	78.4	66	100.7
Struck by, Against	269	63.5	150	42.2	110	39.3	81	35.0	64	29.5	73	34.6	69	41.4	45	44.1	46	70.2
Suffocation	16	3.8	24	6.8	20	7.2	28	12.1	29	13.4	57	27.0	57	34.2	74	72.6	47	71.7
Other specified and classifiable	228	53.8	184	51.8	154	55.1	100	43.2	110	50.7	129	61.1	166	99.5	119	116.7	90	137.3
Other specified, NEC	128	30.2	85	23.9	70	25.0	57	24.6	46	21.2	50	23.7	56	33.6	42	41.2	34	51.9
Unspecified	1,911	393.9	1,544	369.6	1,333	384.1	1,129	410.7	1,237	536.9	1,658	766.0	1,969	948.4	1,850	1,154.7	1,372	2,081.5

Source: PHC4.  
 \* Per 100,000 population, 1999; totals exclude missing data.  
 - Rate not calculated.  
 . Empty cell.

**Table 8 Cause of Hospitalization by Age Group (0-44), Number and Rate, Females, Pennsylvania, 1999**

	Age Group (Years)																	
	Under 5		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44	
	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*
Cut/Pierce	23	6.6	32	8.2	39	9.5	123	30.5	95	27.1	92	24.4	98	23.2	134	28.0	82	16.3
Drowning/Submersion	8	2.3	3	.	3	.	.	.	.	.	.	.	1	.	2	.	.	.
Fall	302	87.0	277	71.0	190	46.5	192	47.6	195	55.7	267	70.8	377	89.3	464	96.9	566	112.6
Fire/Flame	12	3.5	10	2.6	7	1.7	11	2.7	10	2.9	14	3.7	21	5.0	22	4.6	26	5.2
Hot Object/Scald	80	23.0	20	5.1	13	3.2	12	3.0	20	5.7	14	3.7	15	3.6	21	4.4	24	4.8
Firearm	4	.	1	.	8	2.0	21	5.2	26	7.4	13	3.4	25	5.9	13	2.7	11	2.2
Machinery	2	.	3	.	8	2.0	1	.	6	1.7	5	1.3	10	2.4	4	.	10	2.0
MV Occupant	53	15.3	81	20.8	110	26.9	667	165.3	477	136.3	359	95.2	385	91.2	399	83.3	312	62.1
MV Motorcyclist	.	.	.	.	4	.	11	2.7	9	2.6	8	2.1	19	4.5	12	2.5	19	3.8
MV Pedal Cyclist	.	.	9	2.3	20	4.9	6	1.5	2	.	3	.	3	.	2	.	2	.
MV Pedestrian	35	10.1	80	20.5	46	11.2	43	10.7	32	9.1	27	7.2	34	8.1	29	6.1	24	4.8
MV Unspecified	.	.	.	.	.	.	20	5.0	16	4.6	18	4.8	17	4.0	22	4.6	14	2.8
MV Other	1	.	1	.	1	.	6	1.5	1	.	3	.	3	.	1	.	2	.
Pedal cyclist, other	3	.	66	16.9	36	8.8	8	2.0	2	.	4	.	7	1.7	8	1.7	8	1.6
Pedestrian, other	4	.	5	1.3	1	.	1	.	1	.	3	.	2	.	1	.	4	.
Transport, other	5	1.4	21	5.4	33	8.1	43	10.7	31	8.9	20	5.3	30	7.1	40	8.4	45	9.0
Bites & Stings	61	17.6	45	11.5	23	5.6	17	4.2	21	6.0	27	7.2	49	11.6	58	12.1	60	11.9
Other natural/env'tl factors	13	3.7	7	1.8	6	1.5	6	1.5	3	.	6	1.6	11	2.6	10	2.1	10	2.0
Overexertion	1	.	3	.	17	4.2	81	20.1	47	13.4	34	9.0	58	13.7	74	15.5	84	16.7
Poisoning	136	39.2	17	4.4	223	54.5	746	184.9	585	167.1	556	147.5	683	161.8	864	180.4	824	163.9
Struck by, Against	36	10.4	48	12.3	49	12.0	103	25.5	82	23.4	58	15.4	101	23.9	94	19.6	65	12.9
Suffocation	28	8.1	9	2.3	1	.	9	2.2	7	2.0	3	.	5	1.2	8	1.7	12	2.4
Other specified and classifiable	157	45.2	49	12.6	59	14.4	72	17.8	68	19.4	73	19.4	117	27.7	119	24.8	128	25.5
Other specified, NEC	31	8.9	13	3.3	18	4.4	40	9.9	37	10.6	39	10.3	47	11.1	52	10.9	68	13.5
Unspecified	542	156.0	403	205.8	488	119.2	1,183	293.1	938	267.9	890	236.0	1,137	269.4	1,355	282.8	1,333	265.1

Source: PHC4.

\* Per 100,000 population, 1999; totals exclude missing data.

- Rate not calculated.

. Empty cell.

**Table 9 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Females, Pennsylvania, 1999**

	Age Group (Years)																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*
Cut/Pierce	54	12.0	37	9.6	33	10.6	17	6.4	17	6.4	24	8.7	24	9.7	22	12.2	18	10.8
Drowning/Submersion	4	.	1	.	.	.	.	.	1	.	.	.	.	.	1	.	.	.
Fall	697	155.1	816	211.3	943	303.0	1,192	450.6	1,906	714.6	3,453	1,246.9	5,587	2,265.3	7,115	3,960.7	11,145	6,683.5
Fire/Flame	16	3.6	17	4.4	11	3.5	12	4.5	12	4.5	15	5.4	16	6.5	14	7.8	10	6.0
Hot Object/Scald	21	4.7	16	4.1	28	9.0	16	6.0	19	7.1	39	14.1	21	8.5	30	16.7	28	16.8
Firearm	8	1.8	6	1.6	1	.	1	.	1	.	2	.	2	.	.	.	1	.
Machinery	6	1.3	5	1.3	9	2.9	3	.	2	.	.	.	2	.	3	.	4	.
MV Occupant	290	64.5	270	69.9	224	72.0	210	79.4	211	79.1	266	96.1	298	120.8	240	133.6	145	87.0
MV Motorcyclist	15	3.3	6	1.6	7	2.2	3	.	.	.	2	.	1	.	2	.	1	.
MV Pedal Cyclist	1	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MV Pedestrian	28	6.2	27	7.0	27	8.7	17	6.4	26	9.7	39	14.1	60	24.3	33	18.4	19	11.4
MV Unspecified	14	3.1	21	5.4	17	5.5	13	4.9	18	6.7	20	7.2	18	7.3	6	3.3	8	4.8
MV Other	.	.	.	.	2	.	.	.	2	.	1	.	.	.	.	.	3	.
Pedal cyclist, other	6	1.3	8	2.1	5	1.6	9	3.4	1	.	3	.	3	.	.	.	.	.
Pedestrian, other	2	.	2	.	3	.	4	.	2	.	4	.	1	.	6	3.3	4	.
Transport, other	35	7.8	26	6.7	28	9.0	10	3.8	22	8.2	20	7.2	27	10.9	24	13.4	30	18.0
Bites & Stings	54	12.0	56	14.5	41	13.2	36	13.6	43	16.1	32	11.6	45	18.2	24	13.4	25	15.0
Other natural/env'tl factors	12	2.7	12	3.1	17	5.5	10	3.8	25	9.4	38	13.7	53	21.5	46	25.6	61	36.6
Overexertion	77	17.1	68	17.6	80	25.7	82	31.0	104	39.0	148	53.4	143	58.0	133	74.0	132	79.2
Poisoning	486	108.1	363	94.0	202	64.9	155	58.6	166	62.2	170	61.4	168	68.1	167	93.0	122	73.2
Struck by, Against	39	8.7	43	11.1	28	9.0	30	11.3	39	14.6	58	20.9	64	25.9	84	46.8	93	55.8
Suffocation	10	2.2	9	2.3	14	4.5	19	7.2	32	12.0	42	15.2	57	23.1	62	34.5	95	57.0
Other specified and classifiable	113	25.1	91	23.6	60	19.3	103	38.9	104	39.0	163	58.9	186	75.4	165	91.8	220	131.9
Other specified, NEC	47	10.5	41	10.6	37	11.9	27	10.2	30	11.2	30	10.8	48	19.5	54	30.1	57	34.2
Unspecified	1,189	264.4	1,135	294.0	1,073	344.6	1,153	435.7	1,625	609.1	2,605	940.5	3,853	1,562.2	4,581	2,549.8	6,796	4,075.1

Source: PHC4.

\* Per 100,000 population, 1999, totals exclude missing data.

- Rate not calculated.

. Empty cell.

**Table 10 Cause of Hospitalization by Age Group (0-44), Number and Rate, White Race, Pennsylvania, 1999**

	Age Group (Years)																	
	Under 5		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44	
	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*
Cut/Pierce	40	7.0	59	9.2	74	10.7	222	32.3	237	40.7	188	30.5	220	31.4	241	29.4	167	19.3
Drowning/Submersion	20	3.5	11	1.7	6	.9	3	.	1	.	2	.	1	.	3	.	4	.
Fall	506	88.8	474	73.6	471	68.4	430	62.6	393	67.5	479	77.8	632	90.2	867	105.9	1,008	116.2
Fire/Flame	14	2.5	9	1.4	24	3.5	31	4.5	30	5.2	32	5.2	51	7.3	50	6.1	60	6.9
Hot Object/Scald	108	19.0	17	2.6	10	1.5	16	2.3	26	4.5	33	5.4	33	4.7	49	6.0	51	5.9
Firearm	2	.	2	.	20	2.9	44	6.4	58	10.0	42	6.8	39	5.6	35	4.3	40	4.6
Machinery	16	2.8	11	1.7	14	2.0	35	5.1	53	9.1	53	8.6	69	9.8	83	10.1	76	8.8
MV Occupant	76	13.3	122	18.9	146	21.2	1,273	185.5	977	167.8	639	103.7	658	93.9	663	81.0	548	63.2
MV Motorcyclist	.	.	4	.	15	2.2	52	7.6	111	19.1	98	15.9	87	12.4	97	11.8	124	14.3
MV Pedal Cyclist	2	.	48	7.5	61	8.9	25	3.6	11	1.9	7	1.1	10	1.4	9	1.1	8	.9
MV Pedestrian	37	6.5	103	16.0	78	11.3	61	8.9	51	8.8	37	6.0	52	7.4	57	7.0	48	5.5
MV Unspecified	.	.	.	.	.	.	34	5.0	34	5.8	28	4.5	23	3.3	33	4.0	25	2.9
MV Other	.	.	5	.8	6	.9	11	1.6	7	1.2	8	1.3	4	.	2	.	5	.6
Pedal cyclist, other	8	1.4	140	21.7	159	23.1	87	12.7	16	2.7	21	3.4	21	3.0	34	4.2	33	3.8
Pedestrian, other	7	1.2	8	1.2	6	.9	2	.	6	1.0	5	.8	3	.	5	.6	8	.9
Transport, other	15	2.6	55	8.5	130	18.9	178	25.9	149	25.6	102	16.6	101	14.4	119	14.5	84	9.7
Bites & Stings	74	13.0	63	9.8	44	6.4	28	4.1	35	6.0	33	5.4	70	10.0	88	10.7	93	10.7
Other natural/env'tl factors	19	3.3	8	1.2	12	1.7	9	1.3	15	2.6	15	2.4	22	3.1	24	2.9	21	2.4
Overexertion	4	.	6	.9	51	7.4	138	20.1	88	15.1	105	17.0	122	17.4	147	17.9	188	21.7
Poisoning	168	29.5	24	3.7	190	27.6	897	130.7	765	131.4	691	112.2	893	127.4	1,058	129.2	1,043	120.2
Struck by, Against	64	11.2	128	19.9	220	31.9	387	56.4	270	46.4	202	32.8	217	31.0	244	29.8	227	26.2
Suffocation	45	7.9	16	2.5	5	.7	12	1.7	17	2.9	9	1.5	8	1.1	21	2.6	24	2.8
Other specified and classifiable	175	30.7	86	13.4	126	18.3	147	21.4	153	26.3	142	23.1	243	34.7	239	29.2	333	38.4
Other specified, NEC	26	4.6	27	4.2	41	6.0	70	10.2	82	14.1	84	13.6	98	14.0	108	13.2	113	13.0
Unspecified	775	136.0	737	114.4	1,011	146.7	2,226	324.3	1,923	330.2	1,693	274.8	2,004	285.9	2,404	293.5	2,445	281.8

Source: PHC4.

\* Per 100,000 population, 1999; totals exclude missing data.

- Rate not calculated.

. Empty cell.

**Table 11 Cause of Hospitalization by Age Group (45-85+), Number and Rate, White Race, Pennsylvania, 1999**

	Age Group (Years)																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*
Cut/Pierce	138	17.9	83	12.6	68	12.9	45	10.1	38	8.7	55	12.2	46	12.0	37	14.0	33	15.3
Drowning/Submersion	5	.6	2	.	1	.	1	.	1	.	.	.	1	.	2	.	.	.
Fall	1,227	159.4	1,305	197.6	1,385	262.2	1,680	377.3	2,492	570.8	4,406	981.1	6,768	1,764.3	8,168	3,093.6	12,165	5,635.9
Fire/Flame	32	4.2	36	5.5	17	3.2	27	6.1	31	7.1	16	3.6	22	5.7	23	8.7	24	11.1
Hot Object/Scald	47	6.1	36	5.5	40	7.6	27	6.1	32	7.3	46	10.2	33	8.6	44	16.7	31	14.4
Firearm	12	1.6	12	1.8	11	2.1	11	2.5	6	1.4	9	2.0	9	2.3	4	.	4	.
Machinery	61	7.9	57	8.6	46	8.7	41	9.2	29	6.6	21	4.7	12	3.1	17	6.4	8	3.7
MV Occupant	475	61.7	425	64.4	360	68.2	286	64.2	322	73.8	421	93.7	449	117.0	343	129.9	233	107.9
MV Motorcyclist	63	8.2	65	9.8	41	7.8	19	4.3	7	1.6	6	1.3	6	1.6	3	.	1	.
MV Pedal Cyclist	5	.6	1	.	3	.	2	.	1	.	.	.	.	.	2	.	.	.
MV Pedestrian	39	5.1	47	7.1	32	6.1	22	4.9	30	6.9	51	11.4	70	18.2	50	18.9	31	14.4
MV Unspecified	26	3.4	23	3.5	32	6.1	13	2.9	24	5.5	28	6.2	28	7.3	12	4.5	13	6.0
MV Other	5	.6	3	.	1	.	1	.	2	.	5	1.1	.	.	.	.	4	.
Pedal cyclist, other	22	2.9	24	3.6	13	2.5	16	3.6	10	2.3	7	1.6	7	1.8	.	.	.	.
Pedestrian, other	7	.9	3	.	4	.	4	.	4	.	7	1.6	.	.	6	2.3	5	2.3
Transport, other	71	9.2	52	7.9	53	10.0	33	7.4	41	9.4	29	6.5	39	10.2	33	12.5	40	18.5
Bites & Stings	86	11.2	83	12.6	69	13.1	58	13.0	57	13.1	46	10.2	64	16.7	32	12.1	36	16.7
Other natural/env'tl factors	28	3.6	31	4.7	35	6.6	28	6.3	36	8.2	53	11.8	68	17.7	51	19.3	65	30.1
Overexertion	149	19.4	157	23.8	151	28.6	137	30.8	142	32.5	191	42.5	190	49.5	158	59.8	138	63.9
Poisoning	671	87.1	442	66.9	257	48.7	196	44.0	197	45.1	219	48.8	226	58.9	202	76.5	153	70.9
Struck by, Against	159	20.6	119	18.0	76	14.4	88	19.8	78	17.9	102	22.7	101	26.3	102	38.6	113	52.4
Suffocation	19	2.5	26	3.9	29	5.5	39	8.8	52	11.9	82	18.3	89	23.2	118	44.7	123	57.0
Other specified and classifiable	256	33.2	195	29.5	164	31.1	161	36.2	173	39.6	233	51.9	278	72.5	235	89.0	259	120.0
Other specified, NEC	95	12.3	87	13.2	77	14.6	54	12.1	58	13.3	60	13.4	77	20.1	70	26.5	71	32.9
Unspecified	2,178	282.9	1,943	294.2	1,794	339.6	1,784	400.6	2,283	522.8	3,509	781.3	4,873	1,270.2	5,456	2,066.4	7,532	3,489.5

Source: PHC4.

\* Per 100,000 population, 1999; totals exclude missing data.

- Rate not calculated.

. Empty cell.

**Table 12 Cause of Hospitalization by Age Group (0-44), Number and Rate, Black Race, Pennsylvania, 1999**

	Age Group (Years)																	
	Under 5		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44	
	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*
Cut/Pierce	14	16.1	18	17.2	22	21.9	49	54.2	79	102.2	75	94.2	60	72.6	84	94.8	79	90.4
Drowning/Submersion	3	.	6	5.7	2	.	2	.	.	.	.	.	.	.	.	.	.	.
Fall	137	157.2	113	108.1	77	76.6	69	76.3	75	97.0	109	136.9	118	142.8	160	180.5	198	226.5
Fire/Flame	9	10.3	10	9.6	6	6.0	2	.	4	.	10	12.6	3	.	15	16.9	13	14.9
Hot Object/Scald	59	67.7	14	13.4	12	11.9	9	10.0	11	14.2	7	8.8	11	13.3	14	15.8	11	12.6
Firearm	5	5.7	2	.	19	18.9	170	188.1	267	345.5	120	150.7	67	81.1	67	75.6	38	43.5
Machinery	.	.	1	.	2	.	3	.	7	9.1	5	6.3	4	.	4	.	4	.
MV Occupant	29	33.3	40	38.3	26	25.9	97	107.3	130	168.2	119	149.5	113	136.7	96	108.3	80	91.5
MV Motorcyclist	.	.	.	.	3	.	8	8.8	21	27.2	22	27.6	11	13.3	9	10.2	2	.
MV Pedal Cyclist	.	.	20	19.1	22	21.9	10	11.1	1	.	1	.	3	.	4	.	6	6.9
MV Pedestrian	44	50.5	105	100.4	47	46.8	17	18.8	12	15.5	16	20.1	23	27.8	19	21.4	21	24.0
MV Unspecified	1	.	.	.	.	.	6	6.6	4	.	3	.	5	6.0	10	11.3	2	.
MV Other	.	.	2	.	.	.	1	.	1	.	1	.	2	.	1	.	1	.
Pedal cyclist, other	3	.	20	19.1	29	28.9	11	12.2	1	.	1	.	1	.	3	.	6	6.9
Pedestrian, other	4	.	1	.	2	.	1	.	1	.	.	.	1	.	1	.	1	.
Transport, other	1	.	3	.	1	.	2	.	3	.	3	.	2	.	3	.	2	.
Bites & Stings	14	16.1	19	18.2	14	13.9	6	6.6	4	.	9	11.3	13	15.7	11	12.4	9	10.3
Other natural/env'tl factors	6	6.9	2	.	2	.	.	.	1	.	2	.	6	7.3	10	11.3	6	6.9
Overexertion	3	.	2	.	4	.	17	18.8	12	15.5	14	17.6	25	30.2	21	23.7	20	22.9
Poisoning	77	88.3	17	16.3	41	40.8	110	121.7	127	164.3	138	173.3	213	257.7	275	310.3	256	292.8
Struck by, Against	15	17.2	33	31.6	45	44.8	85	94.0	93	120.3	89	111.8	104	125.8	127	143.3	120	137.3
Suffocation	21	24.1	3	.	1	.	1	.	5	6.5	1	.	4	.	5	5.6	5	5.7
Other specified and classifiable	80	91.8	28	26.8	16	15.9	29	32.1	29	37.5	29	36.4	29	35.1	37	41.7	31	35.5
Other specified, NEC	28	32.1	7	6.7	14	13.9	32	35.4	41	53.1	40	50.2	62	75.0	59	66.6	43	49.2
Unspecified	299	342.5	236	448.6	211	209.5	403	445.2	493	637.3	440	552.7	491	594.1	585	659.5	542	620.0

Source: PHC4.

\* Per 100,000 population, 1999; totals exclude missing data.

- Rate not calculated.

. Empty cell.

**Table 13 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Black Race, Pennsylvania, 1999**

	Age Group (Years)																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*	No	Rate*
Cut/Pierce	44	61.0	29	51.2	6	13.4	9	23.8	5	13.6	8	25.4	5	20.4	2	.	2	.
Fall	179	248.1	141	249.2	150	334.0	154	408.0	219	594.9	242	768.2	311	1,268.2	289	1,994.6	373	2,794.8
Fire/Flame	11	15.2	9	15.9	12	26.7	7	18.5	7	19.0	4	.	3	.	2	.	2	.
Hot Object/Scald	11	15.2	8	14.1	16	35.6	11	29.1	10	27.2	13	41.3	2	.	2	.	2	.
Firearm	16	22.2	14	24.7	11	24.5	4	.	2	.	2	.	.	.	.	.	5	37.5
Machinery	6	8.3	5	8.8	5	11.1	.	.	.	.	.	.	.	.	.	.	.	.
MV Occupant	78	108.1	67	118.4	40	89.1	34	90.1	24	65.2	19	60.3	24	97.9	6	41.4	13	97.4
MV Motorcyclist	1	.	3	.	.	.	1	.	1	.	1	.	.	.	.	.	.	.
MV Pedal Cyclist	1	.	2	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1
MV Pedestrian	22	30.5	14	24.7	13	29.0	12	31.8	6	16.3	4	.	9	36.7	.	.	.	.
MV Unspecified	3	.	4	.	.	.	1	.	.	.	2	.	1	.	.	.	.	.
MV Other	.	.	1	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.
Pedal cyclist, other	1	.	5	8.8	1	.	1	.	1	.	.	.	.	.	.	.	.	.
Pedestrian, other	2	.	.	.	1	.	1	.	.	.	.	.	.	.	.	.	.	.
Transport, other	3	.	1	.	1	.	1	.	3	.	2	.	2	.	1	.	4	.
Bites & Stings	9	12.5	5	8.8	6	13.4	1	.	5	13.6	2	.	3	.	2	.	.	.
Other natural/env'tl factors	8	11.1	11	19.4	9	20.0	13	34.4	7	19.0	20	63.5	26	106.0	18	124.2	23	172.3
Overexertion	23	31.9	6	10.6	13	29.0	10	26.5	11	29.9	8	25.4	2	.	6	41.4	.	.
Poisoning	178	246.7	138	243.9	80	178.2	50	132.5	42	114.1	40	127.0	35	142.7	19	131.1	8	59.9
Struck by, Against	88	122.0	36	63.6	27	60.1	14	37.1	11	29.9	10	31.7	8	32.6	6	41.4	7	52.5
Suffocation	3	.	3	.	1	.	5	13.2	4	.	5	15.9	7	28.5	8	55.2	4	.
Other specified and classifiable	28	38.8	34	60.1	11	24.5	17	45.0	14	38.0	16	50.8	19	77.5	13	89.7	10	74.9
Other specified, NEC	36	49.9	19	33.6	15	33.4	16	42.4	6	16.3	6	19.0	7	28.5	13	89.7	4	.
Unspecified	435	602.2	334	589.3	248	552.3	211	557.6	228	619.4	230	728.5	261	1,064.4	219	1,508.0	275	2,060.5

Source: PHC4.  
 \* Per 100,000 population, 1999; totals exclude missing data.  
 - Rate not calculated.  
 . Empty cell.

**Table 14 Cause of Hospitalization by Intent, Number and Rate of Hospital Discharges, Pennsylvania, 1999**

	Intent										Table Total	
	Unintentional		Self-Inflicted		Assault		Undetermined		Other		Number	Rate*
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*		
Cut/Pierce	1,607	13.4	904	7.5	616	5.1	27	.2	.	.	789	6.6
Drowning/Submersion	83	.7	3	.	.	.	3	.	.	.	30	.7
Fall	54,736	456.4	60	.5	18	.2	42	.4	.	.	13,714	114.3
Fire/Flame	705	5.9	35	.3	3	.	22	.2	.	.	191	2.1
Hot Object/Scald	1,016	8.5	4	.	8	.1	8	.1	.	.	259	2.9
Firearm	312	2.6	98	.8	1,081	9.0	92	.8	18	.2	320	2.7
Machinery	896	7.5	.	.	.	.	.	.	.	.	896	7.5
MV Occupant	11,527	96.1	.	.	8	.1	.	.	.	.	5,768	48.1
MV Motorcyclist	1,119	9.3	.	.	.	.	.	.	.	.	1,119	9.3
MV Pedal Cyclist	326	2.7	.	.	.	.	.	.	.	.	326	2.7
MV Pedestrian	1,589	13.2	.	.	.	.	.	.	.	.	1,589	13.2
MV Unspecified	515	4.3	.	.	.	.	.	.	.	.	515	4.3
MV Other	90	.8	12	.1	.	.	.	.	.	.	51	.4
Pedal cyclist, other	829	6.9	.	.	.	.	.	.	.	.	829	6.9
Pedestrian, other	135	1.1	.	.	.	.	.	.	.	.	135	1.1
Transport, other	1,554	13.0	.	.	.	.	.	.	.	.	1,554	13.0
Bites & Stings	1,356	11.3	.	.	.	.	.	.	.	.	1,356	11.3
Other natural/env'tl factors	803	6.7	2	.	.	.	6	.1	.	.	270	3.4
Overexertion	2,772	23.1	.	.	.	.	.	.	.	.	2,772	23.1
Poisoning	4,460	37.2	6,535	54.5	13	.1	869	7.2	.	.	2,969	24.8
Struck by, Against	2,761	23.0	.	.	1,847	15.4	.	.	14	.1	1,541	12.8
Suffocation	838	7.0	91	.8	4	.	2	.	.	.	234	3.9
Other specified and classifiable	4,576	38.2	27	.2	271	2.3	5	.0	25	.2	981	8.2
Other specified, NEC	1,240	10.3	151	1.3	554	4.6	251	2.1	9	.1	441	3.7
Unspecified	6,318	52.7	31	.3	424	3.5	62	.5	7	.1	1,368	11.4

Source: PHC4.

\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for < 5 observations.

**Table 15 Hospital Discharges for Spinal Cord Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	2	.	0	.	2	.
5-9	5	1.2	1	.	6	.7
10-14	17	4.0	7	1.7	24	2.9
15-19	40	9.5	9	2.2	49	5.9
20-24	35	9.9	4	.	39	5.5
25-29	17	4.7	7	1.9	24	3.2
30-34	33	8.1	8	1.9	41	4.9
35-39	29	6.1	6	1.3	35	3.7
40-44	32	6.5	10	2.0	42	4.2
45-49	31	7.3	5	1.1	36	4.1
50-54	26	7.3	9	2.3	35	4.7
55-59	14	5.0	7	2.2	21	3.6
60-64	12	5.2	3	.	15	3.0
65-69	15	6.9	7	2.6	22	4.6
70-74	20	9.5	8	2.9	28	5.7
75-79	18	10.8	9	3.6	27	6.5
80-84	19	18.6	8	4.5	27	9.6
85+	17	25.9	15	9.0	32	13.8
All Ages	382	6.6	123	2.0	505	4.2

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 16 Hospital Discharges for Head Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	348	95.3	224	64.5	572	80.3
5-9	304	74.0	165	42.3	469	58.5
10-14	399	93.1	153	37.4	552	65.9
15-19	1,014	241.3	425	105.3	1,439	174.7
20-24	923	261.3	306	87.4	1,229	174.8
25-29	622	171.0	225	59.7	847	114.3
30-34	579	142.1	251	59.5	830	100.1
35-39	623	131.9	276	57.6	899	94.5
40-44	600	122.2	229	45.5	829	83.4
45-49	514	121.3	205	45.6	719	82.3
50-54	389	109.4	189	49.0	578	77.9
55-59	303	108.4	179	57.5	482	81.6
60-64	273	117.8	165	62.4	438	88.3
65-69	265	122.2	207	77.6	472	97.6
70-74	384	181.9	364	131.4	748	153.3
75-79	441	264.4	492	199.5	933	225.7
80-84	391	383.3	628	349.6	1,019	361.8
85+	416	634.7	830	497.7	1,246	536.4
All Ages	8,788	152.4	5,513	88.5	14,301	119.2

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 17 Hospital Discharges for Hip Fractures by Age Group and Gender, Number and Rate, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	10	2.7	10	2.9	20	2.8
5-9	12	2.9	10	2.6	22	2.7
10-14	27	6.3	12	2.9	39	4.7
15-19	28	6.7	8	2.0	36	4.4
20-24	31	8.8	5	1.4	36	5.1
25-29	23	6.3	3	.	26	3.5
30-34	25	6.1	10	2.4	35	4.2
35-39	44	9.3	21	4.4	65	6.8
40-44	59	12.0	22	4.4	81	8.2
45-49	82	19.3	68	15.1	150	17.2
50-54	91	25.6	65	16.8	156	21.0
55-59	105	37.6	134	43.1	239	40.4
60-64	133	57.4	227	85.8	360	72.5
65-69	232	107.0	416	156.0	648	134.0
70-74	427	202.3	974	351.7	1,401	287.1
75-79	699	419.0	2,001	811.3	2,700	653.0
80-84	837	820.6	2,829	1,574.8	3,666	1,301.7
85+	1,184	1,806.5	4,898	2,937.2	6,082	2,618.2
All Ages	4,049	70.2	11,713	188.1	15,762	131.4

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 18 Hospital Discharges for Falls by Age Group and Gender, Number and Rate, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	464	127.1	302	87.0	766	107.6
5-9	420	102.2	277	71.0	697	87.0
10-14	445	103.8	190	46.5	635	75.8
15-19	398	94.7	192	47.6	590	71.6
20-24	363	102.8	195	55.7	558	79.4
25-29	458	125.9	267	70.8	725	97.9
30-34	520	127.6	377	89.3	897	108.1
35-39	760	160.9	464	96.9	1,224	128.7
40-44	860	175.2	566	112.6	1,426	143.5
45-49	933	220.1	697	155.1	1,630	186.6
50-54	875	246.2	816	211.3	1,691	228.0
55-59	868	310.4	943	303.0	1,811	306.5
60-64	893	385.4	1,192	450.6	2,085	420.2
65-69	1,178	543.4	1,906	714.6	3,084	637.9
70-74	1,833	868.2	3,453	1,246.9	5,286	1,083.1
75-79	2,401	1,439.3	5,587	2,265.3	7,988	1,932.0
80-84	2,479	2,430.4	7,115	3,960.7	9,594	3,406.5
85+	3,022	4,610.9	11,145	6,683.5	14,167	6,098.7
All Ages	19,170	332.5	35,684	572.9	54,854	457.3

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 19 Hospital Discharges for Bicycle Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	12	3.3	3	.	15	2.1
5-9	179	43.6	75	19.2	254	31.7
10-14	257	59.9	56	13.7	313	37.4
15-19	147	35.0	14	3.5	161	19.5
20-24	40	11.3	4	.	44	6.3
25-29	36	9.9	7	1.9	43	5.8
30-34	36	8.8	10	2.4	46	5.5
35-39	46	9.7	10	2.1	56	5.9
40-44	58	11.8	10	2.0	68	6.8
45-49	32	7.6	7	1.6	39	4.5
50-54	29	8.2	9	2.3	38	5.1
55-59	15	5.4	5	1.6	20	3.4
60-64	13	5.6	9	3.4	22	4.4
65-69	16	7.4	1	.	17	3.5
70-74	6	2.8	3	.	9	1.8
75-79	4	.	3	.	7	1.7
80-84	2	.	0	.	2	.
85+	1	.	0	.	1	.
All Ages	929	16.1	226	3.6	1,155	9.6

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 20 Hospital Discharges for Poisonings by Age Group and Gender, Number and Rate, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	163	44.7	136	39.2	299	42.0
5-9	32	7.8	17	4.4	49	6.1
10-14	70	16.3	223	54.5	293	35.0
15-19	450	107.1	746	184.9	1,196	145.2
20-24	472	133.6	585	167.1	1,057	150.3
25-29	458	125.9	556	147.5	1,014	136.9
30-34	641	157.3	683	161.8	1,324	159.6
35-39	686	145.2	864	180.4	1,550	162.9
40-44	656	133.6	824	163.9	1,480	148.9
45-49	504	118.9	486	108.1	990	113.4
50-54	296	83.3	363	94.0	659	88.9
55-59	191	68.3	202	64.9	393	66.5
60-64	127	54.8	155	58.6	282	56.8
65-69	106	48.9	166	62.2	272	56.3
70-74	123	58.3	170	61.4	293	60.0
75-79	122	73.1	168	68.1	290	70.1
80-84	80	78.4	167	93.0	247	87.7
85+	66	100.7	122	73.2	188	80.9
All Ages	5,243	90.9	6,633	106.5	11,876	99.0

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 21 Hospital Discharges for Fire & Burn Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	153	41.9	92	26.5	245	34.4
5-9	35	8.5	30	7.7	65	8.1
10-14	41	9.6	20	4.9	61	7.3
15-19	49	11.7	22	5.5	71	8.6
20-24	51	14.4	30	8.6	81	11.5
25-29	63	17.3	28	7.4	91	12.3
30-34	79	19.4	36	8.5	115	13.9
35-39	107	22.6	43	9.0	150	15.8
40-44	103	21.0	50	9.9	153	15.4
45-49	75	17.7	36	8.0	111	12.7
50-54	68	19.1	33	8.5	101	13.6
55-59	55	19.7	38	12.2	93	15.7
60-64	49	21.1	28	10.6	77	15.5
65-69	57	26.3	31	11.6	88	18.2
70-74	30	14.2	54	19.5	84	17.2
75-79	32	19.2	37	15.0	69	16.7
80-84	34	33.3	44	24.5	78	27.7
85+	26	39.7	38	22.8	64	27.6
All Ages	1,107	19.2	690	11.1	1,797	15.0

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 22 Hospital Discharges for Firearm Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	4	.	4	.	8	1.1
5-9	2	.	0	.	2	.
10-14	27	6.3	7	1.7	34	4.1
15-19	281	66.9	21	5.2	302	36.7
20-24	403	114.1	26	7.4	429	61.0
25-29	206	56.6	13	3.4	219	29.6
30-34	123	30.2	24	5.7	147	17.7
35-39	121	25.6	13	2.7	134	14.1
40-44	93	18.9	11	2.2	104	10.5
45-49	32	7.6	8	1.8	40	4.6
50-54	27	7.6	4	.	31	4.2
55-59	24	8.6	1	.	25	4.2
60-64	14	6.0	1	.	15	3.0
65-69	12	5.5	1	.	13	2.7
70-74	10	4.7	2	.	12	2.5
75-79	9	5.4	2	.	11	2.7
80-84	4	.	0	.	4	.
85+	19	29.0	1	.	20	8.6
All Ages	1,411	24.5	139	2.2	1,550	12.9

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 23 Hospital Discharges for Firearm Injuries by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	2	.	0	.	2	.
5-9	0	.	0	.	0	.
10-14	11	3.1	2	.	13	1.9
15-19	24	6.9	11	3.3	35	5.1
20-24	48	16.4	7	2.4	55	9.4
25-29	35	11.5	6	1.9	41	6.7
30-34	28	8.1	9	2.5	37	5.3
35-39	31	7.6	4	.	35	4.3
40-44	34	7.9	3	.	37	4.3
45-49	9	2.4	2	.	11	1.4
50-54	10	3.1	2	.	12	1.8
55-59	11	4.4	0	.	11	2.1
60-64	9	4.3	1	.	10	2.2
65-69	6	3.0	0	.	6	1.4
70-74	7	3.6	2	.	9	2.0
75-79	7	4.5	2	.	9	2.3
80-84	4	.	0	.	4	.
85+	4	.	0	.	4	.
All Ages	280	5.6	51	1.0	331	3.2

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 24 Hospital Discharges for Firearm Injuries by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	2	.	3	.	5	5.7
5-9	1	.	0	.	1	.
10-14	11	21.6	4	.	15	14.9
15-19	159	342.9	6	13.6	165	182.5
20-24	252	668.6	15	37.9	267	345.5
25-29	115	305.2	4	.	119	149.5
30-34	58	146.2	9	20.9	67	81.1
35-39	59	140.0	6	12.9	65	73.3
40-44	34	83.3	4	.	38	43.5
45-49	13	40.6	3	.	16	22.2
50-54	10	40.9	2	.	12	21.2
55-59	10	53.5	1	.	11	24.5
60-64	4	.	0	.	4	.
65-69	1	.	1	.	2	.
70-74	2	.	0	.	2	.
75-79	0	.	0	.	0	.
80-84	0	.	0	.	0	.
85+	5	135.4	0	.	5	37.5
All Ages	736	139.2	58	9.6	794	70.3

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 25 Hospital Discharges for Assaults by Age Group and Gender, Number and Rate, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	86	23.6	72	20.7	158	22.2
5-9	22	5.4	9	2.3	31	3.9
10-14	60	14.0	19	4.6	79	9.4
15-19	503	119.7	72	17.8	575	69.8
20-24	744	210.7	114	32.6	858	122.0
25-29	499	137.2	93	24.7	592	79.9
30-34	441	108.2	131	31.0	572	69.0
35-39	499	105.6	135	28.2	634	66.6
40-44	389	79.2	96	19.1	485	48.8
45-49	271	63.9	55	12.2	326	37.3
50-54	130	36.6	32	8.3	162	21.8
55-59	78	27.9	21	6.7	99	16.8
60-64	41	17.7	14	5.3	55	11.1
65-69	39	18.0	9	3.4	48	9.9
70-74	28	13.3	12	4.3	40	8.2
75-79	25	15.0	13	5.3	38	9.2
80-84	15	14.7	14	7.8	29	10.3
85+	40	61.0	25	15.0	65	28.0
All Ages	3,910	67.8	936	15.0	4,846	40.4

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 26 Hospital Discharges for Assaults by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	39	13.3	29	10.5	68	11.9
5-9	8	2.4	3	.	11	1.7
10-14	21	5.9	6	1.8	27	3.9
15-19	147	42.0	28	8.3	175	25.5
20-24	206	70.2	44	15.2	250	42.9
25-29	155	50.9	27	8.7	182	29.5
30-34	135	39.1	47	13.2	182	26.0
35-39	161	39.4	56	13.6	217	26.5
40-44	124	28.8	36	8.2	160	18.4
45-49	86	22.8	18	4.6	104	13.5
50-54	45	14.1	15	4.4	60	9.1
55-59	24	9.5	14	5.1	38	7.2
60-64	16	7.6	10	4.2	26	5.8
65-69	19	9.6	6	2.5	25	5.7
70-74	13	6.7	7	2.8	20	4.5
75-79	15	9.7	10	4.4	25	6.5
80-84	9	9.4	10	6.0	19	7.2
85+	9	14.8	15	9.7	24	11.1
All Ages	1,232	24.8	381	7.1	1,613	15.6

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 27 Hospital Discharges for Assaults by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	33	74.5	28	65.3	61	70.0
5-9	13	24.5	5	9.7	18	17.2
10-14	29	56.9	10	20.2	39	38.8
15-19	221	476.6	29	65.9	250	276.6
20-24	342	907.4	45	113.7	387	500.8
25-29	200	530.7	41	97.8	241	302.7
30-34	192	483.9	49	114.0	241	291.6
35-39	215	510.3	56	120.5	271	305.8
40-44	176	431.1	45	96.6	221	252.8
45-49	109	340.5	27	67.3	136	188.5
50-54	60	245.5	10	31.1	70	123.7
55-59	33	176.7	3	.	36	80.2
60-64	19	123.4	3	.	22	58.3
65-69	10	67.2	1	.	11	29.9
70-74	6	47.1	2	.	8	25.4
75-79	6	63.9	2	.	8	32.6
80-84	4	.	0	.	4	.
85+	11	297.9	4	.	15	112.4
All Ages	1,679	317.5	360	59.9	2,039	180.4

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 28 Hospital Discharges for Self-inflicted Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1	.	1	.	2	.
5-9	3	.	4	.	7	.9
10-14	41	9.6	204	49.9	245	29.2
15-19	356	84.7	707	175.2	1,063	129.0
20-24	426	120.6	511	146.0	937	133.3
25-29	372	102.3	472	125.2	844	113.9
30-34	462	113.4	555	131.5	1,017	122.6
35-39	461	97.6	681	142.2	1,142	120.0
40-44	372	75.8	610	121.3	982	98.8
45-49	280	66.1	356	79.2	636	72.8
50-54	149	41.9	225	58.3	374	50.4
55-59	68	24.3	117	37.6	185	31.3
60-64	56	24.2	73	27.6	129	26.0
65-69	45	20.8	51	19.1	96	19.9
70-74	38	18.0	50	18.1	88	18.0
75-79	27	16.2	45	18.2	72	17.4
80-84	34	33.3	45	25.0	79	28.0
85+	34	51.9	20	12.0	54	23.2
All Ages	3,225	55.9	4,727	75.9	7,952	66.3

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 29 Hospital Discharges for Self-inflicted Injuries by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1	.	0	.	1	.
5-9	1	.	2	.	3	.
10-14	25	7.1	131	39.0	156	22.6
15-19	252	72.0	530	157.5	782	113.9
20-24	308	104.9	363	125.8	671	115.3
25-29	252	82.7	345	110.8	597	96.9
30-34	336	97.3	408	114.8	744	106.2
35-39	334	81.8	498	121.3	832	101.6
40-44	271	62.9	492	112.7	763	88.0
45-49	206	54.7	278	70.7	484	62.9
50-54	111	34.7	180	52.8	291	44.1
55-59	53	21.0	95	34.5	148	28.0
60-64	45	21.4	64	27.2	109	24.5
65-69	36	18.2	41	17.1	77	17.6
70-74	30	15.4	41	16.2	71	15.8
75-79	24	15.5	42	18.4	66	17.2
80-84	29	30.2	38	22.6	67	25.4
85+	28	46.1	18	11.6	46	21.3
All Ages	2,342	47.1	3,566	66.6	5,908	57.2

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

**Table 30 Hospital Discharges for Self-inflicted Injuries by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 1999**

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	0	.	1	.	1	.
5-9	0	.	1	.	1	.
10-14	9	17.7	27	54.5	36	35.8
15-19	27	58.2	66	149.9	93	102.9
20-24	47	124.7	58	146.5	105	135.9
25-29	48	127.4	52	124.0	100	125.6
30-34	54	136.1	54	125.7	108	130.7
35-39	51	121.0	75	161.3	126	142.2
40-44	52	127.4	49	105.2	101	115.5
45-49	31	96.8	31	77.2	62	85.9
50-54	13	53.2	20	62.2	33	58.3
55-59	6	32.1	5	19.1	11	24.5
60-64	4	.	2	.	6	15.9
65-69	1	.	6	27.4	7	19.0
70-74	1	.	2	.	3	.
75-79	2	.	0	.	2	.
80-84	1	.	0	.	1	.
85+	3	.	0	.	3	.
All Ages	350	66.2	449	74.7	799	70.7

Source: PHC4.

\* Includes late effects and cases outside ICD codes 800-995 with valid E codes.

\*\* Per 100,000 population, 1999; totals exclude missing data.

. Rate not calculated for <5 observations.

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## Appendices

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### Appendix A Technical Notes on Methods

Data analysis was performed using SPSS<sup>5</sup> on a personal computer. Resident discharge rates were computed by 25 E-code cause groupings obtained from the Centers for Disease Control and Prevention<sup>18</sup> and the uniform national census age groups, gender, race, total and average charges, and payer source.

Cases were excluded if the E-code in one of the secondary diagnosis fields was coded as adverse effects, misadventures, surgical and medical procedures and complications, and the effect of drugs in therapeutic use. This includes the following E-codes:

<ul style="list-style-type: none"><li>▪ 995.0-995.4 (Certain adverse effects)</li><li>▪ 995.6-995.69 (Anaphylactic shock due to adverse food reaction)</li><li>▪ 995.89 (Other malignant hyperpyrexia or hypothermia due to anesthesia)</li></ul>	<ul style="list-style-type: none"><li>▪ E870.0 – E876.9 (Misadventures to patients during surgical and medical care)</li><li>▪ E878.0 – E879.9 (Surgical and medical procedures and complications)</li><li>▪ E930.0 – E949.9 (Effects of drugs, medicinal and biological substances in therapeutic use)</li></ul>
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To provide data to measure Pennsylvania's progress towards meeting the Year 2000 Health Objectives [*Healthy People 2000: National Health Promotion and Disease Prevention Objectives* - Selected Injury related Objectives: 9.2; 9.7; 9.9; 9.10], several specific injury types and causes (namely unintentional injuries, spinal cord injuries, head injuries, hip fractures, and falls) were analyzed by age group, race, severity and specific causes. Fire/burns/related asphyxia injuries, pedal cycle (bicycle) injuries, self-inflicted, and assaults were also analyzed by age group, gender, race, severity and causes.

Resident discharge rates were computed by the ICD-9-CM codes (all conditions). Although age was categorized into 5-year national census age groups for most tables, in a few cases it was collapsed into seven age groups because of small numbers.

Computation of rates were based on the mid-year state population for 1999. No rates were computed for data values less than 5 (i.e. numerator cut-off value).

## Appendix B ICD-9-CM Categories

### E Code Mechanism by Intent Groupings Used in this Report

MECHANISM	INTENT			
	1. Unintentional	2. Self-inflicted	3. Assault	4. Other/unspecified
	ICD-9-CM E-CODE GROUPINGS			
<b>1. Cut/pierce</b>	920.0-9	956	966	974; 986
<b>2. Drowning/submersion</b>	830.0-9; 832.0-9 910.0-9	954	964	984
<b>3. Fall</b>	880.0-886.9; 888	957.0-9	968.1	987.0-9
<b>4. Fire/flames</b>	890.0-899	958(.1, .2, .7)	968	988.1
<b>5. Hot object/scald</b>	924.0-9	958.2;.7	961;968.3	988.2;.7
<b>6. Firearm</b>	922.0-9	955.0-.4	965.0-.4	970; 985.0-.4
<b>7. Machinery</b>	919.0-9			
<b>MV-Traffic</b>				
<b>8. Occupant</b>	810-819 (.0,.1)			
<b>9. Motorcyclist</b>	810-819 (.2,.3)			
<b>10. Pedal cyclist</b>	810-819 (.6)			
<b>11. Pedestrian</b>	810-819 (.7)			
<b>12. Unspecified</b>	810-819 (.9)			
<b>13. Other</b>	810-819 (.4, .5, .8)	958.5	968.5	988.5
<b>14. Pedal cyclist, other</b>	800-807(.3); 820-825(.6) 826.1,.9; 827-829 (.1)			
<b>15. Pedestrian, other</b>	800-807 (.2) 820-825 (.7) 826-829 (.0)			
<b>16. Transport, other</b>	800-807(.0,.1,.8,.9) 820-825(.0-.5, .8, .9) 826.2-8 827-829(.2-.9); 831.0-.9 833.0-845.9	958.6		988.6
<b>17. Bites &amp; stings</b>	905.0-.6,.9 906(.0-.4, .2-.9)			
<b>18. Other natural &amp; environmental factors</b>	900-909 928.0-.2	958.3		988.3
<b>19. Overexertion</b>	927			
<b>20. Poisoning</b>	850.0-869.9	950.0-952.9	962.0-9	972; 980.0-982.9
<b>21. Struck by, against</b>	916-917.9		960.0;968.2	973;975
<b>22. Suffocation</b>	911-913.9	953.0-.9	963	983.0-9
<b>23. Other specified and classifiable</b>	846-848, 914-915, 918 921.0-9, 923.0-9 925.0-926.9 929.0-5	955.5, .9 958.0, .4	960.1, 965.5-.9 967.0-9 968.4	971, 978, 990-994 996, 997.0-.2
<b>24. Other specified, not elsewhere classifiable</b>	928,8, 929.8	958.8, 959	968.8, 969	977, 995, 997.8 998, 999
<b>25. Unspecified</b>	887, 928.9, 929.9	958.9	968.9	976, 997.9

Source: CDC E-code matrix.

## Appendix C Categories of Specific Mechanisms

<b>Falls, Jumps &amp; Shoves (by Specific E-coded Mechanism)</b>				
Fall on Same Level	Fall Related to Stairs or Height	Fall from Building or other Structure	Fall into Hole or other Opening	Other & Unspecified Fall
E885, E886.(0,9)	E880.(0,1,9), E881.(0,1), E884.(0,1,2,3,4,5,6,9) E957.(0,1,2,9), E968.1, E987.(0,1,2,9)	E882	E883.(0,1,2,9)	E804.(0,1,2,3,8,9), E833.(0,1,2,3,4,5,6,8,9), E834.(0,1,2,3,4,5,6,8,9), E835.(0,1,2,3,4,5,6,8,9), E843.(0,1,2,3,4,5,6,7,8,9), E888, E988.0
<b>Bicycle Injuries (by Specific E-coded Mechanism)</b>				
Crash with Other Object	Crash with MV in Traffic	Crash with MV not in Traffic	Crash with Train	Injury to Unspecified Person in Bicycle Crash
E826.1	E810.6, E811.6, E812.6, E813.6, E814.6, E815.6, E816.6, E817.6, E818.6, E819.6	E820.6, E821.6, E822.6, E823.6, E824.6, E825.6	E800.3, E801.3, E802.3, E803.3, E805.3, E806.3, E807.3	E826.(0,9)
<b>Fire, Burns &amp; Related Asphyxia Injuries (by Specific E-coded Mechanism)</b>				
Conflagration	Controlled Fire	Clothing Ignition	Hot Substance Burns/Scalds	Other & Unspecified
E890.(0,1,2,3,8,9), E891.(0,1,2,3,8,9), E892, E968.0	E895, E896, E897, E958.1, E988.1	E893.(0,1,2,8,9), E894	E924.(0,1,2,8,9), E958.2, E968.3, E988.2	E898.(0,1), E899, E988.7 E990.(0,9)
<b>Firearm Injuries (by E-coded Type of Firearm)</b>				
Handguns	Shotguns	Hunting Rifles	Military	Other & Unspecified
E922.0, E955.0, E965.0, E985.0	E922.1, E955.1, E965.1, E985.1	E922.2, E955.2, E965.2, E985.2	E922.3, E955.3, E965.3, E970, E985.3	E922.(8,9), E955.(4,9), E965.4, E985.4, E991.(0,1,2)

## **Appendix D Diagnostic Categories (ICD-9-CM Diagnosis Codes)**

### **Spinal Cord Injury**

Injury to the spinal cord from any cause [from CDC's Acute Traumatic Spinal Cord Injury Proposed Surveillance Definition].

806, 952

### **Head Injury**

Traumatic head injury and brain injuries from any cause [from CDC's "Data Case Definition" Traumatic Head Injury: Proposed Surveillance Definition, March, 1993].

800.0 - 801.9, 803.0 - 804.9, 850.0 - 854.1

### **Hip Fractures**

Includes trans-cervical femur fracture, per-trochanteric fracture, and fracture of unspecified part of the femur.

820.0 – 820.9

## Appendix E Healthy People (Year) 2000 Objectives

“Healthy People 2000: National Health Promotion and Disease Prevention Objectives” establishes specific objectives for improving the health of all Americans. Four objectives were assessed using the state hospital discharge data. The following table compares the Healthy People (Year) 2000 National Objectives and Pennsylvania rates for 1999.

Healthy People Year 2000 Objective	Pennsylvania Rate, 1999	% Above Target
<b>Objective 9.2:</b> <i>Reduce nonfatal unintentional injuries so that hospitalizations for this condition are no more than 754 per 100,000 people.</i>	The rate for nonfatal unintentional injury hospitalizations in Pennsylvania was 851.8 per 100,000 people.	13.0
<b>Objective 9.2a:</b> <i>Reduce nonfatal unintentional injuries among Black males so that hospitalizations for this condition are no more than 856 per 100,000 people.</i>	The rate for nonfatal unintentional injury hospitalizations among Black males in Pennsylvania was 880.1 per 100,000 people.	2.8
<b>Objective 9.7:</b> <i>Reduce hip fractures among people aged 65 and older so that hospitalizations for this condition are no more than 607 per 100,000 people.</i>	The rate for hip fracture hospitalizations among people aged 65 and older in Pennsylvania was 998.8 per 100,000 people.	64.5
<b>Objective 9.7a:</b> <i>Reduce hip fractures among White women aged 85 and older so that hospitalizations for this condition are no more than 2,177 per 100,000 people.</i>	The rate for hip fracture hospitalizations among White women aged 85 and older in Pennsylvania was 2714.2 per 100,000 people.	24.7
<b>Objective 9.9:</b> <i>Reduce nonfatal head injuries so that hospitalizations for this condition are no more than 106 per 100,000 people.</i>	The rate for nonfatal head injury hospitalizations in Pennsylvania was 119.2 per 100,000 people.	12.5
		% Below Target
<b>Objective 9.10:</b> <i>Reduce nonfatal spinal cord injuries so that hospitalizations for this condition are no more than 5.0 per 100,000 people.</i>	The rate for nonfatal spinal cord injury hospitalizations in Pennsylvania was 4.2 per 100,000 people.	16.0
<b>Objective 9.10a:</b> <i>Reduce nonfatal spinal cord injuries among males so that hospitalizations for this condition are no more than 7.1 per 100,000 people.</i>	The rate for nonfatal spinal cord injury hospitalizations among males in Pennsylvania was 6.6 per 100,000 people.	7.0

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Pennsylvania Department of Health  
Bureau of Chronic Diseases and Injury Prevention  
Division of Health Risk Reduction  
Injury Prevention Program  
P.O. Box 90  
Harrisburg, PA 17108-0090  
(717) 787-5900

<http://www.health.state.pa.us>

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Robert S. Zimmerman, Jr., M.P.H.  
Secretary of Health

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