



INJURIES IN PENNSYLVANIA

Hospital Discharges 2002

DEPARTMENT OF
HEALTH

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Calvin B. Johnson, M.D., M.P.H., Secretary of Health*

Injuries in Pennsylvania



Hospital Discharges 2002

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List of Abbreviations and Special Symbols

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.
MVT	Motor Vehicle- Traffic
CDC	Centers for Disease Control and Prevention

Executive Summary

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.¹⁻³ However, in the Commonwealth of Pennsylvania, what is known about injuries has been based mostly on mortality⁴ 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 an annual report, part of an ongoing series, to comprehensively document the hospitalized injury burden to Pennsylvanians.

In 2002, 128,537 reported injury cases to Pennsylvania residents were discharged from hospitals in the Commonwealth of Pennsylvania, a rate of 1,071.6 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. One subgroup of the population with very high rates were elderly whites (85+ years). The rate in males was 1,051.2 compared to 1,090.6 for females. The rate in Blacks was 1.23 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 national target rates set in the Healthy People 2010: Understanding and Improving Health.

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, age groups 0-14 and 85+ years of age 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 15-44 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 2010 Injury Prevention 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 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.

Fact Sheet

- In 2002, a total of 128,537 injury hospital discharges were reported by Pennsylvania hospitals, representing an injury hospital discharge rate of 1,071.6 per 100,000 persons.
- Males experienced an overall rate of 1,051.2 per 100,000 persons compared with a female rate of 1,090.6 per 100,000 persons.
- The overall injury rate for Blacks was 1.23 times that of Whites.
- Falls accounted for 46.4% of all injury discharges that were assigned valid E-codes.
- Violence, including self-inflicted injuries and assaults, comprised 10.8% of all injury hospital discharges with rates of 75.0 and 40.4 per 100,000 persons, respectively.
- The hospital discharge rate from assaults for Blacks was over 11.0 times that of Whites.
- Among males ages 20-24 years old, the rate of discharges from a hospital as a result of a firearm-related injury for Blacks is 687 per 100,000 as compared to 16 per 100,000 for Whites.
- The hospital discharge rate for nonfatal spinal cord injuries in Pennsylvania was 4.9/100,000, 2.45 times higher than the national rate set as the target for the Year 2010.
- The hospital discharge rate for nonfatal head injuries in Pennsylvania was 132.8/100,000, 2.95 times higher than the national rate set as the target for the Year 2010.
- For females ages 65 years and older, the hospital discharge rate from hip fractures in Pennsylvania was 1,128.4/100,000, 2.71 times higher than the national rate set as the target for the Year 2010.
- For males ages 65 years and older, the hospital discharge rate from hip fractures in Pennsylvania was 670.4/100,000, 1.40 times higher than the national rate set as the target for the Year 2010.
- The total charges for hospitalized injury discharges in Pennsylvania in 2002 exceeded \$3.54 billion.

Narrative

Overview of Monograph

This monograph begins with a short narrative that incorporates: the scope of the injury problem; background on the Pennsylvania E-code Project; the data source; the injury definition used; data limitations; and data analysis, along with graphical highlights of the data. Following this narrative, detailed tables depicting county specific data and statewide data are presented, with important findings bulleted in each of the five graphs.

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 2010 Injury Prevention Objectives.

Background on 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 (CIRCL). 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 groupings 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; and
- Performing data analyses and preparing annual reports of injury and behavioral risks.

Data Source

The 2002 statewide Hospital Discharge Data compiled by the Pennsylvania Health Care Cost Containment Council (PHC4) was the primary data source for this report. 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 used for this report include all 2002 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 “intentional” injuries.
- 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 2002 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.

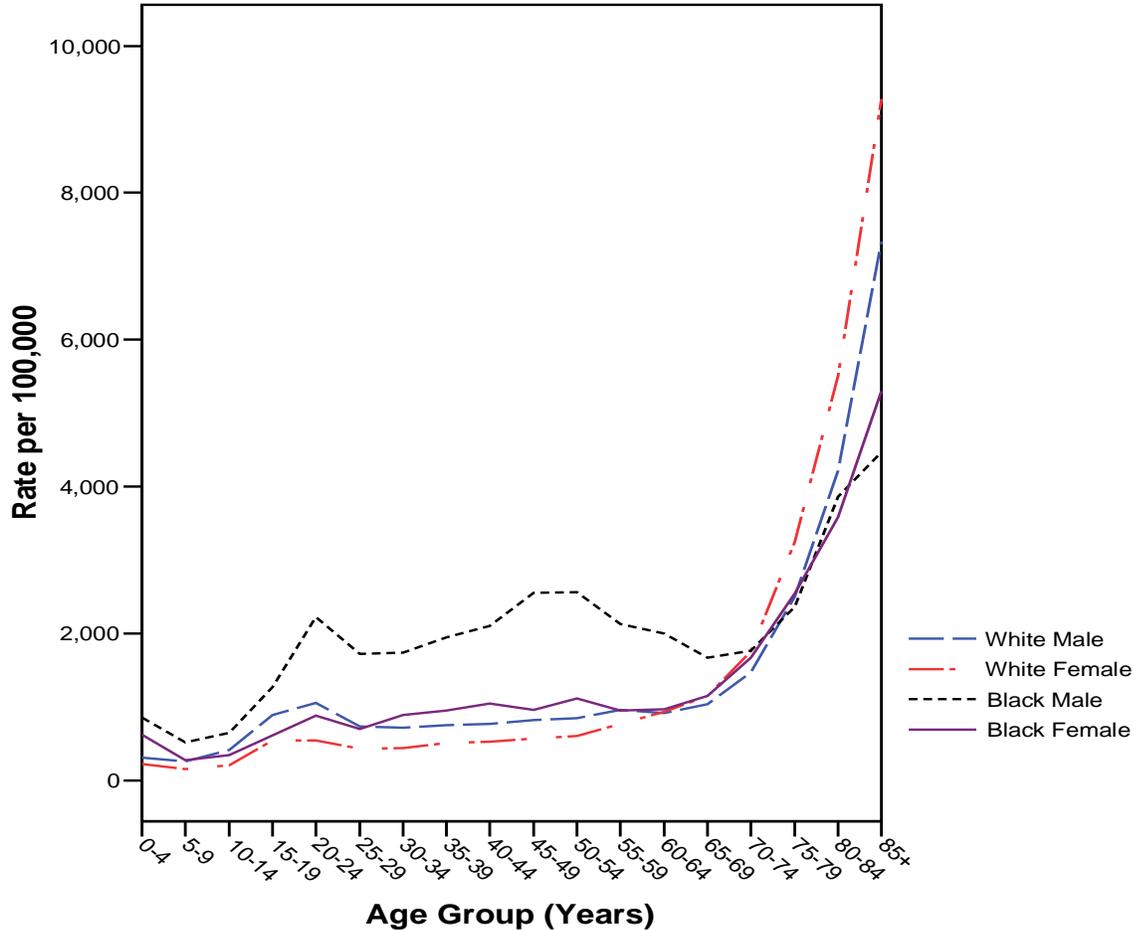
Data Analysis

Data analysis was performed using SPSS.⁵ The analysis was performed according to suggested recommendations published recently.⁶ Data for population-based rates statewide and for each county were obtained from the State Bureau of Health Statistics and Research⁷ 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 2010: Understanding and Improving Health Objectives*.⁸ 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.⁹

Graphical Highlights

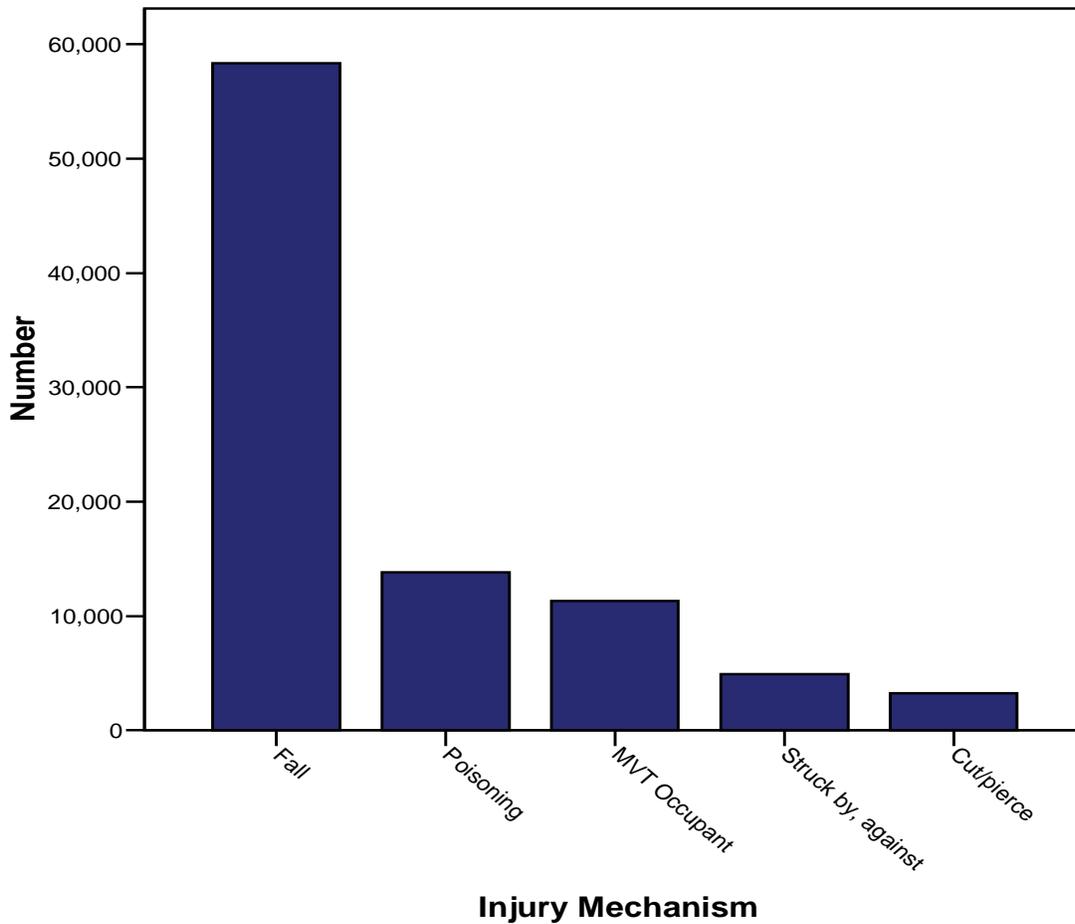
Figure 1 Hospital Discharge Rates by Race-Gender and Age Group, Pennsylvania, 2002



Source: PHC4

- Overall, the injury hospital discharge rate for females (1,090.6 per 100,000 persons) was higher than that of males (1,051.2 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 rates were similar until age 85.
- 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 1.23 times that of Whites.

Figure 2 Hospital Discharges for Top 5* Injury Mechanisms, Pennsylvania, 2002

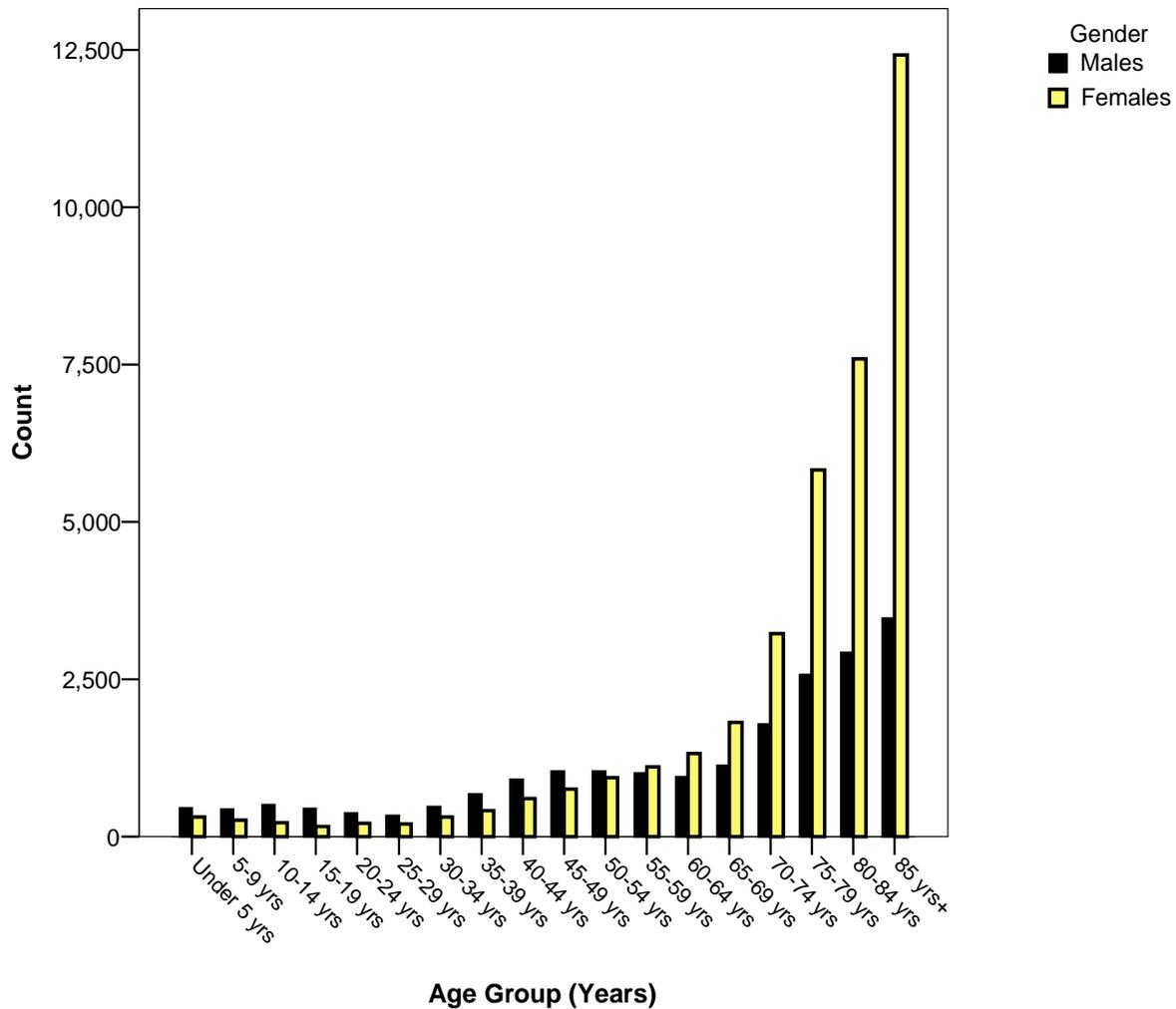


Source: PHC4

- **The 3 leading causes for injury-related hospital discharges among Pennsylvanians continues to be falls, poisonings and motor vehicle-related injuries.**
- **These 3 mechanisms account for over 66.5% of all injury-related hospital discharges among Pennsylvanians.**

* Excludes the “Other specified and classifiable” category which would rank fourth.

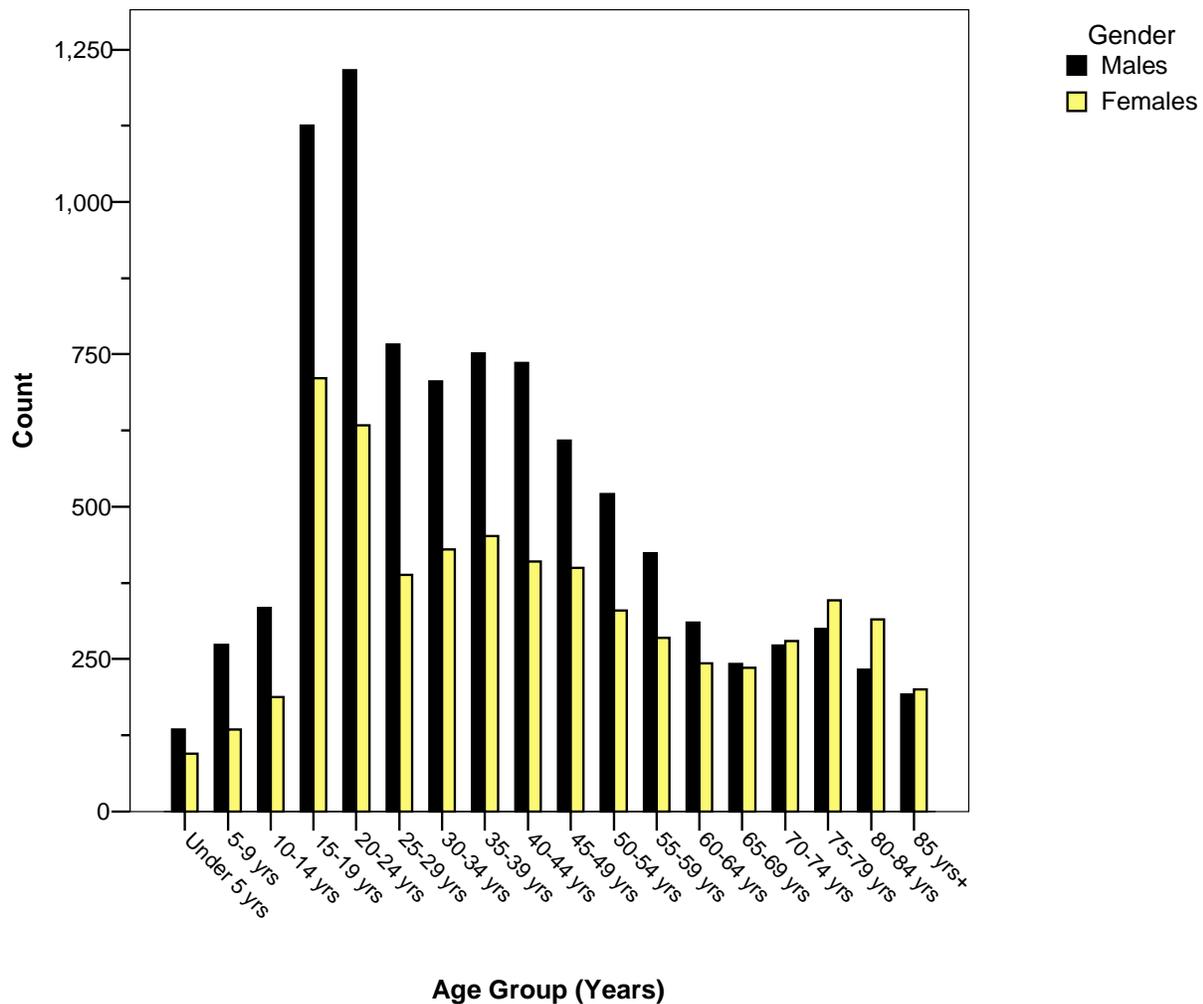
Figure 3 Hospital Discharges for Falls by Age Group and Gender, Pennsylvania, 2002



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, females demonstrate increasingly higher frequencies of hospitalizations from falls than do males.
- The greatest disparity in frequency of hospital discharges for falls occurred among elderly persons aged 85 years and older with females having a higher frequency than males.

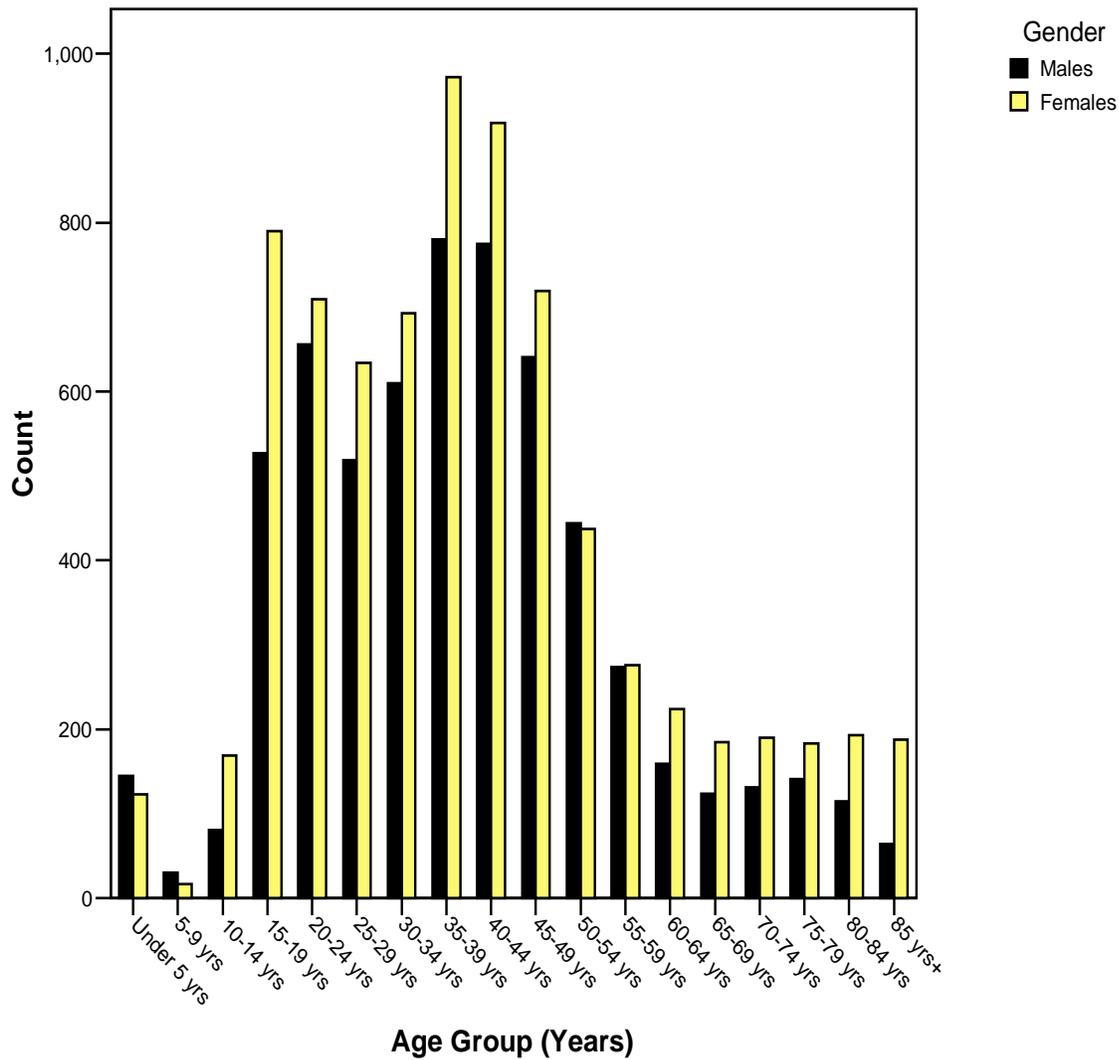
Figure 4 Hospital Discharges for Motor Vehicle-Related Injuries by Age Group and Gender, Pennsylvania, 2002



Source: PHC4

- The frequency distribution of hospital discharges from motor vehicle-related (MVR) injuries by age and gender showed that the highest figures by far occurred among youth aged 15-24.
- Among persons 0-69 years, the frequency of hospital discharges from MVR injuries was higher in males.
- After 70 years of age, females demonstrate the higher frequency of hospital discharges for MVR injuries.
- Females accounted for higher numbers of hospital discharges for all age groups except those under 10 and ages 50-54.

Figure 5 Hospital Discharges for Poisonings by Age Group and Gender, Pennsylvania, 2002



Source: PHC4

- **The most frequent hospital discharges from poisonings was among females ages 35-39.**
- **Among persons under 10 years, the frequency of hospital discharges from poisonings was higher in males.**
- **Females accounted for higher numbers of hospital discharges for all age groups except those under 10 and ages 50-54.**

Detailed Tables of Statewide Data

Table 1 Hospital Discharges for All Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1,526	418.1	1,045	301.1	2,571	361.0
5-9	1,290	313.9	687	176.1	1,977	246.8
10-14	1,970	459.5	941	230.1	2,911	347.5
15-19	4,064	966.9	2,272	563.2	6,336	769.2
20-24	4,404	1,247.0	2,143	612.3	6,547	931.1
25-29	3,217	884.5	1,815	481.3	5,032	679.3
30-34	3,489	856.3	2,115	501.1	5,604	675.6
35-39	4,234	896.1	2,728	569.6	6,962	731.8
40-44	4,490	914.6	2,927	582.2	7,417	746.4
45-49	4,181	986.5	2,776	617.6	6,957	796.6
50-54	3,536	994.9	2,540	657.9	6,076	819.4
55-59	2,976	1,064.3	2,495	801.6	5,471	925.9
60-64	2,365	1,020.6	2,532	957.3	4,897	986.8
65-69	2,405	1,109.4	3,110	1,166.1	5,515	1,140.7
70-74	3,182	1,507.2	4,893	1,766.8	8,075	1,654.5
75-79	4,213	2,525.5	7,960	3,227.5	12,173	2,944.2
80-84	4,342	4,256.9	9,786	5,447.5	14,128	5,016.3
85+	4,721	7,203.2	15,160	9,091.2	19,881	8,558.5
All Ages	60,605	1,051.2	67,925	1,090.6	128,537	1,071.6

Source: PHC4.

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

** Per 100,000 population, 2002; unknowns included in total.

Table 2 Hospital Discharges for All Injuries* by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	908	310.0	626	226.1	1,534	269.3
5-9	858	259.4	470	150.1	1,328	206.2
10-14	1,475	417.7	686	204.2	2,161	313.6
15-19	3,124	892.7	1,831	544.2	4,955	721.9
20-24	3,098	1,055.5	1,573	545.0	4,671	802.4
25-29	2,231	732.1	1,353	434.7	3,584	581.8
30-34	2,470	715.2	1,573	442.4	4,043	576.8
35-39	3,090	756.4	2,100	511.6	5,190	633.7
40-44	3,325	771.5	2,282	522.8	5,607	646.3
45-49	3,105	823.9	2,250	572.3	5,355	695.5
50-54	2,698	844.0	2,056	603.4	4,754	719.9
55-59	2,415	956.4	2,124	770.5	4,539	859.4
60-64	1,930	919.2	2,200	935.0	4,130	927.6
65-69	2,041	1,033.8	2,757	1,152.7	4,798	1,099.0
70-74	2,865	1,467.6	4,464	1,758.5	7,329	1,632.0
75-79	3,886	2,502.3	7,422	3,250.9	11,308	2,947.8
80-84	4,050	4,219.5	9,258	5,509.2	13,308	5,040.4
85+	4,457	7,337.8	14,394	9,279.9	18,851	8,733.4
All Ages	48,026	965.6	59,419	1,109.8	107,445	1,040.4

Source: PHC4.

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

** Per 100,000 population, 2002; totals exclude missing data.

Table 3 Hospital Discharges for All Injuries* by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	380	858.3	265	617.9	645	740.0
5-9	275	517.3	140	272.4	415	396.9
10-14	330	648.0	169	341.1	499	496.6
15-19	591	1,274.4	271	615.6	862	953.6
20-24	837	2,220.6	350	884.1	1,187	1,535.9
25-29	649	1,722.1	293	698.9	942	1,183.3
30-34	690	1,739.0	382	889.0	1,072	1,297.1
35-39	821	1,948.5	443	952.9	1,264	1,426.2
40-44	860	2,106.7	487	1,045.2	1,347	1,540.9
45-49	817	2,552.4	385	959.0	1,202	1,665.9
50-54	626	2,561.3	358	1,113.6	984	1,738.9
55-59	398	2,131.2	249	949.3	647	1,440.8
60-64	308	2,000.1	217	970.9	525	1,390.8
65-69	248	1,667.0	252	1,148.8	500	1,358.3
70-74	225	1,765.8	314	1,673.9	539	1,711.1
75-79	222	2,364.0	385	2,544.4	607	2,475.3
80-84	186	3,858.9	347	3,588.8	533	3,678.7
85+	165	4,469.1	512	5,303.5	677	5,072.7
All Ages	8,628	1,631.6	5,819	967.5	14,447	1,278.2

Source: PHC4.

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

** Per 100,000 population, 2002; totals exclude missing data.

Table 4 Cause of Hospitalization by Age Group (0-44), Number and Rate, Pennsylvania, 2002

	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	5.6	56	7.2	93	10.8	358	42.4	458	55.2	331	48.4	328	40.9	385	42.9	324	32.5
Drowning/ Submersion	30	4.2	12	1.6	7	.8	3	.	2	.	4	.	.	.	5	.6	9	.9
Fall	783	110.6	703	90.8	730	84.7	619	73.3	587	70.7	547	80.1	794	99.1	1,099	122.5	1,517	152.3
Fire/Flame	41	5.8	38	4.9	45	5.2	54	6.4	67	8.1	41	6.0	60	7.5	72	8.0	68	6.8
Hot Object/Scald	190	26.8	43	5.6	21	2.4	41	4.9	56	6.7	50	7.3	48	6.0	69	7.7	75	7.5
Firearm	9	1.3	6	.8	41	4.8	264	31.3	372	44.8	251	36.7	155	19.3	120	13.4	79	7.9
Machinery	17	2.4	8	1.0	13	1.5	29	3.4	64	7.7	42	6.1	71	8.9	57	6.4	82	8.2
MVT Occupant	139	19.6	157	20.3	232	26.9	1,572	186.2	1,494	179.9	867	126.9	840	104.8	873	97.3	817	82.0
MVT Motorcyclist	2	.	4	.	19	2.2	72	8.5	173	20.8	160	23.4	160	20.0	167	18.6	166	16.7
MVT Pedal Cyclist	3	.	43	5.6	99	11.5	41	4.9	16	1.9	13	1.9	11	1.4	23	2.6	23	2.3
MVT Pedestrian	80	11.3	192	24.8	149	17.3	83	9.8	90	10.8	45	6.6	66	8.2	80	8.9	80	8.0
MVT Unspecified	1	.	2	.	3	.	55	6.5	72	8.7	62	9.1	49	6.1	49	5.5	52	5.2
MVT Other	4	.	9	1.2	20	2.3	14	1.7	6	.7	7	1.0	10	1.2	12	1.3	9	.9
Pedal cyclist, other	15	2.1	130	16.8	216	25.1	106	12.6	29	3.5	26	3.8	28	3.5	34	3.8	49	4.9
Pedestrian, other	16	2.3	12	1.6	11	1.3	9	1.1	4	.	5	.7	13	1.6	3	.	5	.5
Transport, other	16	2.3	75	9.7	177	20.5	244	28.9	184	22.2	151	22.1	140	17.5	137	15.3	131	13.2
Bites & Stings	106	15.0	82	10.6	57	6.6	57	6.8	69	8.3	86	12.6	78	9.7	146	16.3	158	15.9
Other natural/env/tl factors	48	6.8	15	1.9	20	2.3	27	3.2	27	3.3	25	3.7	28	3.5	36	4.0	71	7.1
Overexertion	6	.8	10	1.3	55	6.4	103	12.2	104	12.5	120	17.6	143	17.8	169	18.8	184	18.5
Poisoning	268	37.9	47	6.1	250	29.0	1,317	156.0	1,365	164.4	1,153	168.8	1,303	162.6	1,752	195.2	1,693	170.0
Struck by, Against	144	20.3	132	17.1	345	40.0	608	72.0	460	55.4	314	46.0	347	43.3	426	47.5	455	45.7
Suffocation	61	8.6	8	1.0	12	1.4	15	1.8	28	3.4	20	2.9	26	3.2	35	3.9	32	3.2
Other specified & classifiable	305	43.1	95	12.3	124	14.4	205	24.3	282	34.0	256	37.5	330	41.2	404	45.0	464	46.6
Other specified, NEC	62	8.8	32	4.1	52	6.0	124	14.7	184	22.2	147	21.5	166	20.7	231	25.7	233	23.4
Unspecified	131	18.5	36	4.7	71	8.2	223	26.4	265	31.9	246	36.0	335	41.8	472	52.6	530	53.2
Total	2,517	355.5	1,947	251.6	2,862	332.0	6,243	739.4	6,458	777.7	4,969	727.3	5,529	690.1	6,856	764.0	7,306	733.6

Source: PHC4.

* Per 100,000 population, 2002; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 5 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Pennsylvania, 2002

	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	238	24.9	158	18.6	121	17.8	64	11.9	83	17.9	60	13.0	50	12.0	31	10.1	46	17.9
Drowning/ Submersion	3	.	1	.	2	.	1	.	3	.	.	.	1	.	2	.	4	.
Fall	1,796	187.6	1,986	234.1	2,125	311.9	2,284	423.3	2,953	638.2	5,022	1,088.9	8,405	2,009.7	10,520	3,438.6	15,897	6,173.2
Fire/Flame	57	6.0	60	7.1	40	5.9	35	6.5	43	9.3	47	10.2	38	9.1	29	9.5	22	8.5
Hot Object/Scald	72	7.5	49	5.8	67	9.8	48	8.9	51	11.0	38	8.2	59	14.1	49	16.0	48	18.6
Firearm	57	6.0	32	3.8	25	3.7	16	3.0	12	2.6	8	1.7	12	2.9	2	.	2	.
Machinery	94	9.8	67	7.9	48	7.0	41	7.6	22	4.8	32	6.9	29	6.9	16	5.2	7	2.7
MVT Occupant	721	75.3	590	69.5	506	74.3	415	76.9	378	81.7	456	98.9	519	124.1	442	144.5	322	125.0
MVT Motorcyclist	134	14.0	118	13.9	76	11.2	30	5.6	17	3.7	11	2.4	8	1.9	1	.	1	.
MVT Pedal Cyclist	14	1.5	18	2.1	11	1.6	5	.9	1	.	2	.	1	.	3	.	.	.
MVT Pedestrian	76	7.9	74	8.7	81	11.9	61	11.3	49	10.6	50	10.8	73	17.5	70	22.9	48	18.6
MVT Unspecified	57	6.0	44	5.2	30	4.4	38	7.0	25	5.4	31	6.7	41	9.8	29	9.5	17	6.6
MVT Other	7	.7	7	.8	5	.7	4	.	8	1.7	1	.	3	.	2	.	4	.
Pedal cyclist, other	41	4.3	38	4.5	30	4.4	16	3.0	11	2.4	10	2.2	11	2.6	1	.	.	.
Pedestrian, other	7	.7	1	.	4	.	2	.	4	.	4	.	6	1.4	13	4.2	7	2.7
Transport, other	103	10.8	88	10.4	77	11.3	38	7.0	42	9.1	44	9.5	67	16.0	54	17.7	45	17.5
Bites & Stings	131	13.7	136	16.0	108	15.9	88	16.3	81	17.5	81	17.6	76	18.2	58	19.0	54	21.0
Other natural/env'tl factors	73	7.6	79	9.3	66	9.7	50	9.3	44	9.5	82	17.8	86	20.6	94	30.7	138	53.6
Overexertion	180	18.8	170	20.0	179	26.3	137	25.4	141	30.5	210	45.5	209	50.0	201	65.7	174	67.6
Poisoning	1,360	142.0	881	103.8	550	80.7	383	71.0	309	66.8	321	69.6	324	77.5	308	100.7	252	97.9
Struck by, Against	332	34.7	225	26.5	194	28.5	138	25.6	119	25.7	117	25.4	146	34.9	165	53.9	222	86.2
Suffocation	42	4.4	49	5.8	58	8.5	60	11.1	78	16.9	124	26.9	154	36.8	175	57.2	211	81.9
Other specified & classifiable	487	50.9	397	46.8	348	51.1	256	47.4	283	61.2	322	69.8	453	108.3	426	139.2	442	171.6
Other specified, NEC	223	23.3	178	21.0	108	15.9	121	22.4	113	24.4	113	24.5	147	35.1	145	47.4	151	58.6
Unspecified	516	53.9	490	57.8	484	71.0	440	81.5	487	105.2	682	147.9	930	222.4	915	299.1	1,199	465.6
Total	6,821	712.3	5,936	699.7	5,343	784.1	4,771	884.2	5,357	1,157.7	7,868	1,706.1	11,848	2,833.0	13,751	4,494.7	19,313	7,499.7

Source: PHC4.

* Per 100,000 population, 2002; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 6 Cause of Hospitalization by Age Group (0-44), Number and Rate, Males, Pennsylvania, 2002

	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	25	6.9	45	11.4	57	12.9	207	47.7	343	82.7	217	63.2	222	55.5	262	59.1	235	47.9
Drowning/ Submersion	20	5.5	10	2.5	5	1.1	1	.	2	.	3	.	.	.	3	.	7	1.4
Fall	461	127.4	436	110.1	509	115.1	452	104.1	376	90.6	340	99.0	479	119.8	684	154.3	907	184.8
Fire/Flame	23	6.4	21	5.3	37	8.4	48	11.1	54	13.0	27	7.9	38	9.5	49	11.1	45	9.2
Hot Object/Scald	102	28.2	21	5.3	13	2.9	28	6.5	35	8.4	29	8.4	27	6.8	47	10.6	45	9.2
Firearm	7	1.9	6	1.5	35	7.9	244	56.2	352	84.9	241	70.2	140	35.0	105	23.7	72	14.7
Machinery	15	4.1	6	1.5	11	2.5	27	6.2	62	14.9	40	11.6	70	17.5	54	12.2	74	15.1
MVT Occupant	77	21.3	92	23.2	132	29.9	940	216.6	936	225.6	530	154.4	477	119.3	512	115.5	474	96.6
MVT Motorcyclist	2	.	3	.	17	3.8	59	13.6	156	37.6	153	44.6	150	37.5	129	29.1	146	29.8
MVT Pedal Cyclist	1	.	32	8.1	77	17.4	33	7.6	13	3.1	12	3.5	7	1.8	20	4.5	19	3.9
MVT Pedestrian	50	13.8	137	34.6	94	21.3	47	10.8	61	14.7	27	7.9	39	9.8	50	11.3	61	12.4
MVT Unspecified	.	.	2	.	.	.	35	8.1	45	10.8	37	10.8	26	6.5	31	7.0	32	6.5
MVT Other	4	.	7	1.8	14	3.2	12	2.8	5	1.2	7	2.0	7	1.8	9	2.0	4	.
Pedal cyclist, other	11	3.0	84	21.2	172	38.9	95	21.9	27	6.5	20	5.8	23	5.8	24	5.4	35	7.1
Pedestrian, other	11	3.0	7	1.8	7	1.6	6	1.4	4	.	2	.	11	2.8	2	.	4	.
Transport, other	12	3.3	50	12.6	144	32.6	187	43.1	147	35.4	129	37.6	105	26.3	103	23.2	91	18.5
Bites & Stings	67	18.5	57	14.4	36	8.1	35	8.1	32	7.7	40	11.6	41	10.3	73	16.5	71	14.5
Other natural/env'tl factors	29	8.0	7	1.8	10	2.3	22	5.1	19	4.6	18	5.2	19	4.8	28	6.3	42	8.6
Overexertion	5	1.4	8	2.0	40	9.0	69	15.9	71	17.1	78	22.7	93	23.3	101	22.8	117	23.8
Poisoning	145	40.1	30	7.6	81	18.3	527	121.4	656	158.1	519	151.2	610	152.6	780	176.0	775	157.9
Struck by, Against	88	24.3	91	23.0	277	62.7	495	114.0	389	93.8	256	74.6	279	69.8	332	74.9	379	77.2
Suffocation	36	9.9	6	1.5	7	1.6	8	1.8	19	4.6	13	3.8	16	4.0	18	4.1	18	3.7
Other specified & classifiable	195	53.9	61	15.4	84	19.0	156	35.9	207	49.9	161	46.9	214	53.5	284	64.1	294	59.9
Other specified, NEC	34	9.4	24	6.1	32	7.2	99	22.8	142	34.2	114	33.2	133	33.3	160	36.1	161	32.8
Unspecified	73	20.2	27	6.8	43	9.7	160	36.9	184	44.4	166	48.3	206	51.5	308	69.5	325	66.2
Total	1,493	412.6	1,270	320.6	1,934	437.5	3,992	919.8	4,337	1,045.5	3,179	925.9	3,432	858.5	4,168	940.5	4,433	903.4

Source: PHC4.

* Per 100,000 population, 2002; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 7 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Males, Pennsylvania, 2002

	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	179	37.9	111	26.7	90	27.3	45	17.6	57	27.0	41	20.5	25	14.7	19	17.1	24	32.5
Drowning/ Submersion	2	.	.	.	1	.	.	.	.	.	.	.	.	.	2	.	2	.
Fall	1,038	219.6	1,045	251.2	1,010	306.9	954	374.1	1,138	538.4	1,788	894.5	2,576	1,516.5	2,925	2,625.9	3,474	4,699.6
Fire/Flame	34	7.2	37	8.9	30	9.1	21	8.2	25	11.8	18	9.0	22	13.0	14	12.6	8	10.8
Hot Object/Scald	52	11.0	29	7.0	52	15.8	25	9.8	24	11.4	20	10.0	22	13.0	17	15.3	10	13.5
Firearm	47	9.9	24	5.8	22	6.7	13	5.1	11	5.2	7	3.5	10	5.9	2	.	2	.
Machinery	84	17.8	64	15.4	40	12.2	37	14.5	20	9.5	27	13.5	26	15.3	12	10.8	7	9.5
MVT Occupant	409	86.5	331	79.6	286	86.9	218	85.5	188	88.9	222	111.1	239	140.7	192	172.4	160	216.4
MVT Motorcyclist	110	23.3	106	25.5	68	20.7	28	11.0	16	7.6	10	5.0	6	3.5	1	.	.	.
MVT Pedal Cyclist	12	2.5	17	4.1	9	2.7	5	2.0	1	.	1	.	1	.	3	.	.	.
MVT Pedestrian	44	9.3	40	9.6	46	14.0	33	12.9	24	11.4	20	10.0	34	20.0	23	20.6	22	29.8
MVT Unspecified	26	5.5	21	5.0	11	3.3	22	8.6	9	4.3	18	9.0	18	10.6	12	10.8	8	10.8
MVT Other	7	1.5	6	1.4	4	.	4	.	4	.	1	.	1	.	1	.	2	.
Pedal cyclist, other	28	5.9	29	7.0	21	6.4	10	3.9	8	3.8	8	4.0	8	4.7	1	.	.	.
Pedestrian, other	5	1.1	.	.	2	.	1	.	2	.	1	.	3	.	7	6.3	4	.
Transport, other	70	14.8	56	13.5	48	14.6	21	8.2	27	12.8	26	13.0	35	20.6	29	26.0	14	18.9
Bites & Stings	51	10.8	50	12.0	46	14.0	48	18.8	41	19.4	29	14.5	30	17.7	13	11.7	12	16.2
Other natural/env'tl factors	52	11.0	51	12.3	43	13.1	31	12.2	26	12.3	47	23.5	35	20.6	37	33.2	53	71.7
Overexertion	109	23.1	86	20.7	90	27.3	63	24.7	69	32.6	81	40.5	73	43.0	60	53.9	35	47.3
Poisoning	641	135.6	444	106.7	274	83.3	159	62.4	124	58.7	131	65.5	141	83.0	115	103.2	64	86.6
Struck by, Against	278	58.8	173	41.6	134	40.7	88	34.5	72	34.1	60	30.0	54	31.8	69	61.9	63	85.2
Suffocation	27	5.7	30	7.2	42	12.8	33	12.9	38	18.0	75	37.5	89	52.4	84	75.4	69	93.3
Other specified & classifiable	330	69.8	274	65.9	216	65.6	152	59.6	148	70.0	157	78.5	210	123.6	175	157.1	142	192.1
Other specified, NEC	150	31.7	122	29.3	71	21.6	77	30.2	62	29.3	57	28.5	79	46.5	78	70.0	66	89.3
Unspecified	318	67.3	315	75.7	258	78.4	222	87.1	208	98.4	275	137.6	373	219.6	332	298.0	344	465.4
Total	4,103	867.9	3,461	832.0	2,914	885.4	2,310	906.0	2,342	1,108.0	3,120	1,560.9	4,110	2,419.6	4,223	3,791.2	4,585	6,202.6

Source: PHC4.

* Per 100,000 population, 2002; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 8 Cause of Hospitalization by Age Group (0-44), Number and Rate, Females, Pennsylvania, 2002

	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	15	4.3	11	2.9	36	8.6	151	36.8	115	27.7	114	33.5	106	26.4	123	27.1	89	17.6
Drowning/ Submersion	10	2.9	2	.	2	.	2	.	.	.	1	.	.	.	2	.	2	.
Fall	322	93.0	267	70.7	221	52.6	167	40.7	211	50.8	207	60.9	315	78.5	414	91.1	610	120.7
Fire/Flame	18	5.2	17	4.5	8	1.9	6	1.5	13	3.1	14	4.1	22	5.5	23	5.1	23	4.6
Hot Object/Scald	88	25.4	22	5.8	8	1.9	13	3.2	21	5.1	21	6.2	21	5.2	22	4.8	30	5.9
Firearm	2	.	.	.	6	1.4	20	4.9	20	4.8	10	2.9	15	3.7	15	3.3	7	1.4
Machinery	2	.	2	.	2	.	2	.	2	.	2	.	1	.	3	.	8	1.6
MVT Occupant	62	17.9	65	17.2	100	23.8	632	154.0	557	134.0	337	99.2	363	90.4	361	79.5	342	67.7
MVT Motorcyclist	.	.	1	.	2	.	13	3.2	17	4.1	7	2.1	10	2.5	38	8.4	20	4.0
MVT Pedal Cyclist	2	.	11	2.9	22	5.2	8	1.9	3	.	1	.	4	.	3	.	4	.
MVT Pedestrian	30	8.7	55	14.6	55	13.1	36	8.8	29	7.0	18	5.3	27	6.7	30	6.6	19	3.8
MVT Unspecified	1	.	.	.	3	.	20	4.9	27	6.5	25	7.4	23	5.7	17	3.7	20	4.0
MVT Other	.	.	2	.	6	1.4	2	.	1	.	.	.	3	.	3	.	5	1.0
Pedal cyclist, other	4	.	46	12.2	44	10.5	11	2.7	2	.	6	1.8	5	1.2	10	2.2	14	2.8
Pedestrian, other	5	1.4	5	1.3	4	.	3	.	.	.	3	.	2	.	1	.	1	.
Transport, other	4	.	25	6.6	33	7.9	57	13.9	37	8.9	22	6.5	35	8.7	34	7.5	40	7.9
Bites & Stings	39	11.3	25	6.6	21	5.0	22	5.4	37	8.9	46	13.5	37	9.2	73	16.1	87	17.2
Other natural/env'tl factors	19	5.5	8	2.1	10	2.4	5	1.2	8	1.9	7	2.1	9	2.2	8	1.8	29	5.7
Overexertion	1	.	2	.	15	3.6	34	8.3	33	7.9	42	12.4	50	12.5	68	15.0	67	13.3
Poisoning	123	35.5	17	4.5	169	40.2	790	192.5	709	170.6	634	186.5	693	172.6	972	214.0	918	181.7
Struck by, Against	56	16.2	41	10.9	68	16.2	113	27.5	71	17.1	58	17.1	68	16.9	94	20.7	76	15.0
Suffocation	25	7.2	2	.	5	1.2	7	1.7	9	2.2	7	2.1	10	2.5	17	3.7	14	2.8
Other specified & classifiable	110	31.8	34	9.0	40	9.5	49	11.9	75	18.0	95	28.0	116	28.9	120	26.4	170	33.7
Other specified, NEC	28	8.1	8	2.1	20	4.8	25	6.1	42	10.1	33	9.7	33	8.2	71	15.6	72	14.3
Unspecified	58	16.8	9	2.4	28	6.7	63	15.4	81	19.5	80	23.5	129	32.1	164	36.1	205	40.6
Total	1,024	295.9	677	179.2	928	221.0	2,251	548.5	2,120	510.1	1,790	526.7	2,097	522.4	2,686	591.3	2,872	568.5

Source: PHC4.

* Per 100,000 population, 2002; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 9 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Females, Pennsylvania, 2002

	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	59	12.2	47	10.9	31	8.8	19	6.7	26	10.3	19	7.3	25	10.1	12	6.2	22	12.0
Drowning/ Submersion	1	.	1	.	1	.	1	.	3	.	.	.	1	.	.	.	2	.
Fall	758	156.4	940	217.4	1,115	316.5	1,330	467.3	1,815	722.1	3,233	1,237.3	5,829	2,347.1	7,595	3,903.9	12,423	6,766.5
Fire/Flame	23	4.7	23	5.3	10	2.8	14	4.9	18	7.2	29	11.1	16	6.4	15	7.7	14	7.6
Hot Object/Scald	20	4.1	20	4.6	15	4.3	23	8.1	27	10.7	18	6.9	37	14.9	32	16.4	38	20.7
Firearm	10	2.1	8	1.9	3	.	3	.	1	.	1	.	2	.	.	.	.	.
Machinery	10	2.1	3	.	8	2.3	4	.	2	.	5	1.9	3	.	4	.	.	.
MVT Occupant	312	64.4	259	59.9	220	62.5	197	69.2	190	75.6	234	89.6	280	112.7	250	128.5	162	88.2
MVT Motorcyclist	23	4.7	12	2.8	8	2.3	2	.	1	.	1	.	2	.	.	.	1	.
MVT Pedal Cyclist	2	.	1	.	2	.	.	.	.	.	1	.	.	.	.	.	.	.
MVT Pedestrian	32	6.6	34	7.9	35	9.9	28	9.8	25	9.9	30	11.5	39	15.7	47	24.2	26	14.2
MVT Unspecified	31	6.4	23	5.3	19	5.4	16	5.6	16	6.4	13	5.0	23	9.3	17	8.7	9	4.9
MVT Other	.	.	1	.	1	.	.	.	4	.	.	.	2	.	1	.	2	.
Pedal cyclist, other	13	2.7	9	2.1	9	2.6	6	2.1	3	.	2	.	3	.	.	.	.	.
Pedestrian, other	2	.	1	.	2	.	1	.	2	.	3	.	3	.	6	3.1	3	.
Transport, other	33	6.8	32	7.4	29	8.2	17	6.0	15	6.0	18	6.9	32	12.9	25	12.9	31	16.9
Bites & Stings	80	16.5	86	19.9	62	17.6	40	14.1	40	15.9	52	19.9	46	18.5	45	23.1	42	22.9
Other natural/env'tl factors	21	4.3	28	6.5	23	6.5	19	6.7	18	7.2	35	13.4	51	20.5	57	29.3	85	46.3
Overexertion	71	14.6	84	19.4	89	25.3	74	26.0	72	28.6	129	49.4	136	54.8	141	72.5	139	75.7
Poisoning	719	148.3	437	101.1	276	78.4	224	78.7	185	73.6	190	72.7	183	73.7	193	99.2	188	102.4
Struck by, Against	54	11.1	52	12.0	60	17.0	50	17.6	47	18.7	57	21.8	92	37.0	96	49.3	159	86.6
Suffocation	15	3.1	19	4.4	16	4.5	27	9.5	40	15.9	49	18.8	65	26.2	91	46.8	142	77.3
Other specified & classifiable	157	32.4	123	28.4	132	37.5	104	36.5	135	53.7	165	63.1	243	97.8	251	129.0	300	163.4
Other specified, NEC	73	15.1	56	13.0	37	10.5	44	15.5	51	20.3	56	21.4	68	27.4	67	34.4	85	46.3
Unspecified	198	40.8	175	40.5	226	64.2	218	76.6	279	111.0	407	155.8	557	224.3	583	299.7	855	465.7
Total	2,717	560.4	2,474	572.2	2,429	689.5	2,461	864.7	3,015	1,199.5	4,747	1,816.7	7,738	3,115.7	9,528	4,897.5	14,728	8,021.9

Source: PHC4.

* Per 100,000 population, 2002; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 10 Cause of Hospitalization by Age Group (0-44), Number and Rate, White Race, Pennsylvania, 2002

	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	25	4.4	34	5.4	64	9.0	261	36.8	317	45.5	238	41.9	218	32.3	277	35.8	227	26.0
Drowning/ Submersion	20	3.5	4	.	4	.	2	.	1	.	4	.	.	.	4	.	4	.
Fall	516	90.0	517	81.8	564	79.4	514	72.5	440	63.1	424	74.7	624	92.5	843	109.1	1,206	138.2
Fire/Flame	14	2.4	13	2.1	34	4.8	41	5.8	53	7.6	26	4.6	44	6.5	52	6.7	44	5.0
Hot Object/Scald	75	13.1	17	2.7	11	1.5	35	4.9	44	6.3	32	5.6	31	4.6	47	6.1	53	6.1
Firearm	.	.	4	.	16	2.3	57	8.0	57	8.2	50	8.8	51	7.6	37	4.8	31	3.6
Machinery	15	2.6	7	1.1	12	1.7	26	3.7	50	7.2	29	5.1	54	8.0	44	5.7	71	8.1
MVT Occupant	88	15.3	113	17.9	172	24.2	1,323	186.5	1,145	164.3	640	112.8	623	92.4	662	85.7	634	72.7
MVT Motorcyclist	.	.	3	.	15	2.1	53	7.5	142	20.4	130	22.9	121	17.9	140	18.1	148	17.0
MVT Pedal Cyclist	2	.	30	4.7	60	8.5	29	4.1	9	1.3	10	1.8	5	.7	14	1.8	14	1.6
MVT Pedestrian	22	3.8	80	12.7	83	11.7	54	7.6	61	8.8	28	4.9	41	6.1	45	5.8	52	6.0
MVT Unspecified	1	.	2	.	3	.	48	6.8	58	8.3	52	9.2	38	5.6	40	5.2	38	4.4
MVT Other	3	.	9	1.4	13	1.8	14	2.0	6	.9	6	1.1	6	.9	9	1.2	8	.9
Pedal cyclist, other	10	1.7	99	15.7	174	24.5	85	12.0	23	3.3	24	4.2	23	3.4	24	3.1	37	4.2
Pedestrian, other	10	1.7	10	1.6	8	1.1	8	1.1	4	.	4	.	8	1.2	3	.	3	.
Transport, other	15	2.6	68	10.8	168	23.7	223	31.4	165	23.7	138	24.3	132	19.6	122	15.8	122	14.0
Bites & Stings	65	11.3	52	8.2	35	4.9	48	6.8	58	8.3	72	12.7	68	10.1	123	15.9	140	16.0
Other natural/env'tl factors	23	4.0	8	1.3	18	2.5	25	3.5	20	2.9	19	3.3	19	2.8	33	4.3	43	4.9
Overexertion	3	.	7	1.1	44	6.2	84	11.8	77	11.0	93	16.4	112	16.6	142	18.4	161	18.5
Poisoning	149	26.0	23	3.6	189	26.6	1,093	154.1	1,099	157.7	882	155.5	975	144.6	1,305	168.9	1,265	145.0
Struck by, Against	103	18.0	98	15.5	255	35.9	439	61.9	283	40.6	195	34.4	221	32.8	278	36.0	299	34.3
Suffocation	34	5.9	5	.8	10	1.4	12	1.7	19	2.7	11	1.9	18	2.7	28	3.6	25	2.9
Other specified & classifiable	180	31.4	60	9.5	93	13.1	159	22.4	201	28.8	192	33.8	236	35.0	329	42.6	372	42.6
Other specified, NEC	44	7.7	21	3.3	33	4.6	87	12.3	90	12.9	69	12.2	91	13.5	143	18.5	135	15.5
Unspecified	84	14.6	24	3.8	48	6.8	158	22.3	184	26.4	170	30.0	231	34.3	358	46.3	388	44.5
Total	1,501	261.8	1,308	207.0	2,126	299.4	4,878	687.7	4,606	660.8	3,538	623.6	3,990	591.6	5,102	660.3	5,520	632.6

Source: PHC4.

* Per 100,000 population, 2002; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 11 Cause of Hospitalization by Age Group (45-85+), Number and Rate, White Race, Pennsylvania, 2002

	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	158	18.6	119	15.7	97	15.8	50	10.3	72	17.2	54	12.7	45	11.6	30	10.5	44	18.2
Drowning/ Submersion	3	.	1	.	2	.	.	.	3	.	.	.	1	.	2	.	4	.
Fall	1,457	171.7	1,620	214.4	1,814	295.5	1,995	409.7	2,611	623.8	4,632	1,092.5	7,884	2,030.1	9,960	3,474.5	15,150	6,268.7
Fire/Flame	35	4.1	43	5.7	26	4.2	23	4.7	26	6.2	41	9.7	35	9.0	25	8.7	19	7.9
Hot Object/Scald	50	5.9	38	5.0	52	8.5	39	8.0	46	11.0	33	7.8	50	12.9	46	16.0	45	18.6
Firearm	27	3.2	21	2.8	15	2.4	12	2.5	10	2.4	7	1.7	9	2.3	2	.	1	.
Machinery	82	9.7	59	7.8	45	7.3	37	7.6	22	5.3	31	7.3	29	7.5	15	5.2	7	2.9
MVT Occupant	565	66.6	463	61.3	410	66.8	340	69.8	330	78.8	395	93.2	472	121.5	409	142.7	288	119.2
MVT Motorcyclist	118	13.9	106	14.0	70	11.4	29	6.0	17	4.1	11	2.6	8	2.1	1	.	1	.
MVT Pedal Cyclist	8	.9	7	.9	8	1.3	5	1.0	1	.	2	.	1	.	2	.	.	.
MVT Pedestrian	58	6.8	47	6.2	52	8.5	48	9.9	28	6.7	39	9.2	60	15.5	58	20.2	42	17.4
MVT Unspecified	50	5.9	32	4.2	23	3.7	33	6.8	21	5.0	30	7.1	38	9.8	28	9.8	15	6.2
MVT Other	6	.7	6	.8	5	.8	3	.	8	1.9	.	.	2	.	2	.	4	.
Pedal cyclist, other	33	3.9	28	3.7	25	4.1	15	3.1	11	2.6	10	2.4	11	2.8	1	.	.	.
Pedestrian, other	4	.	1	.	3	.	2	.	4	.	3	.	6	1.5	13	4.5	5	2.1
Transport, other	95	11.2	82	10.9	70	11.4	35	7.2	38	9.1	41	9.7	66	17.0	53	18.5	42	17.4
Bites & Stings	113	13.3	123	16.3	100	16.3	80	16.4	77	18.4	71	16.7	70	18.0	57	19.9	52	21.5
Other natural/env'tl factors	57	6.7	50	6.6	46	7.5	33	6.8	25	6.0	59	13.9	70	18.0	78	27.2	115	47.6
Overexertion	151	17.8	142	18.8	163	26.5	127	26.1	133	31.8	199	46.9	197	50.7	198	69.1	167	69.1
Poisoning	1,014	119.5	637	84.3	423	68.9	292	60.0	256	61.2	286	67.5	277	71.3	275	95.9	227	93.9
Struck by, Against	213	25.1	156	20.6	147	23.9	104	21.4	102	24.4	101	23.8	136	35.0	158	55.1	205	84.8
Suffocation	30	3.5	40	5.3	46	7.5	46	9.4	64	15.3	105	24.8	140	36.1	155	54.1	195	80.7
Other specified & classifiable	389	45.8	331	43.8	304	49.5	218	44.8	237	56.6	286	67.5	424	109.2	404	140.9	410	169.6
Other specified, NEC	151	17.8	120	15.9	80	13.0	91	18.7	90	21.5	88	20.8	132	34.0	132	46.0	139	57.5
Unspecified	384	45.2	370	49.0	404	65.8	367	75.4	421	100.6	609	143.6	846	217.8	840	293.0	1,131	468.0
Total	5,251	618.7	4,642	614.3	4,430	721.5	4,024	826.3	4,653	1,111.7	7,133	1,682.3	11,009	2,834.8	12,944	4,515.4	18,308	7,575.4

Source: PHC4.

* Per 100,000 population, 2002; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 12 Cause of Hospitalization by Age Group (0-44), Number and Rate, Black Race, Pennsylvania, 2002

	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	11	11.3	16	14.8	21	17.4	67	65.0	88	89.8	55	67.5	79	86.0	82	85.8	80	81.9
Drowning/ Submersion	4	.	4	.	3	.	.	.	1	.	.	.	.	.	.	.	1	.
Fall	159	163.0	114	105.8	106	87.7	70	67.9	88	89.8	75	92.1	108	117.6	178	186.2	226	231.5
Fire/Flame	11	11.3	14	13.0	7	5.8	6	5.8	6	6.1	10	12.3	6	6.5	11	11.5	12	12.3
Hot Object/Scald	60	61.5	11	10.2	7	5.8	2	.	5	5.1	9	11.1	9	9.8	12	12.6	10	10.2
Firearm	5	5.1	2	.	23	19.0	176	170.6	271	276.5	179	219.8	90	98.0	72	75.3	37	37.9
Machinery	.	.	.	.	.	.	1	.	5	5.1	2	.	7	7.6	7	7.3	5	5.1
MVT Occupant	29	29.7	23	21.3	32	26.5	109	105.7	162	165.3	116	142.4	118	128.5	119	124.5	107	109.6
MVT Motorcyclist	2	.	.	.	3	.	11	10.7	17	17.3	10	12.3	20	21.8	15	15.7	9	9.2
MVT Pedal Cyclist	.	.	7	6.5	32	26.5	7	6.8	4	.	1	.	3	.	4	.	8	8.2
MVT Pedestrian	39	40.0	88	81.6	48	39.7	19	18.4	18	18.4	11	13.5	14	15.2	28	29.3	19	19.5
MVT Unspecified	.	.	.	.	.	.	4	.	11	11.2	4	.	7	7.6	4	.	8	8.2
MVT Other	1	.	.	.	6	5.0	.	.	.	.	1	.	2	.	.	.	1	.
Pedal cyclist, other	4	.	17	15.8	23	19.0	9	8.7	6	6.1	2	.	4	.	6	6.3	5	5.1
Pedestrian, other	5	5.1	1	.	3	.	.	.	.	.	.	.	1	.	.	.	1	.
Transport, other	1	.	5	4.6	2	.	4	.	7	7.1	1	.	2	.	2	.	2	.
Bites & Stings	27	27.7	19	17.6	19	15.7	4	.	7	7.1	12	14.7	8	8.7	16	16.7	15	15.4
Other natural/env'tl factors	23	23.6	4	.	2	.	1	.	6	6.1	4	.	7	7.6	2	.	16	16.4
Overexertion	3	.	3	.	6	5.0	11	10.7	15	15.3	19	23.3	27	29.4	17	17.8	16	16.4
Poisoning	78	80.0	20	18.6	36	29.8	129	125.1	155	158.2	182	223.5	241	262.4	334	349.4	353	361.6
Struck by, Against	20	20.5	20	18.6	62	51.3	125	121.2	123	125.5	86	105.6	92	100.2	112	117.2	125	128.0
Suffocation	17	17.4	2	.	2	.	2	.	6	6.1	4	.	7	7.6	4	.	6	6.1
Other specified & classifiable	86	88.2	26	24.1	20	16.6	23	22.3	52	53.1	43	52.8	67	72.9	59	61.7	71	72.7
Other specified, NEC	10	10.3	5	4.6	12	9.9	28	27.1	67	68.4	57	70.0	57	62.1	72	75.3	79	80.9
Unspecified	33	33.8	8	7.4	15	12.4	43	41.7	54	55.1	50	61.4	83	90.4	93	97.3	114	116.8
Total	628	643.8	409	379.4	490	405.6	851	825.0	1,174	1,198.0	933	1,145.7	1,059	1,152.8	1,249	1,306.5	1,326	1,358.2

Source: PHC4.

* Per 100,000 population, 2002; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 13 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Black Race, Pennsylvania, 2002

	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	67	77.8	28	38.4	18	34.1	11	26.2	7	19.1	3	.	4	.	.	.	1	.
Fall	249	289.2	285	390.7	218	413.0	203	482.8	244	667.2	294	930.1	355	1,362.8	353	2,087.4	482	3,486.7
Fire/Flame	16	18.6	11	15.1	9	17.0	7	16.6	9	24.6	5	15.8	1	.	3	.	1	.
Hot Object/Scald	16	18.6	3	.	13	24.6	7	16.6	5	13.7	4	.	7	26.9	3	.	2	.
Firearm	25	29.0	7	9.6	8	15.2	2	.	.	.	1	.	1	.	.	.	1	.
Machinery	10	11.6	3	.	2	.	1	.	.	.	.	.	.	.	.	.	.	.
MVT Occupant	87	101.1	72	98.7	47	89.0	30	71.3	22	60.2	37	117.1	26	99.8	14	82.8	18	130.2
MVT Motorcyclist	6	7.0	2	.	2	.	1	.	.	.	.	.	.	.	.	.	.	.
MVT Pedal Cyclist	6	7.0	9	12.3	2	.	.	.	.	.	.	.	.	.	1	.	.	.
MVT Pedestrian	13	15.1	17	23.3	17	32.2	8	19.0	12	32.8	7	22.1	9	34.5	6	35.5	2	.
MVT Unspecified	5	5.8	8	11.0	4	.	4	.	2	.	.	.	.	.	.	.	.	.
MVT Other	1	.	1	.	.	.	1	.	.	.	1	.	1	.	.	.	.	.
Pedal cyclist, other	5	5.8	7	9.6	3	.	.	.	.	.	.	.	.	.	.	.	.	.
Pedestrian, other	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
Transport, other	.	.	3	.	2	.	.	.	.	.	1	.	1	.	1	.	2	.
Bites & Stings	12	13.9	8	11.0	4	.	6	14.3	4	.	7	22.1	4	.	1	.	2	.
Other natural/env'tl factors	13	15.1	23	31.5	16	30.3	14	33.3	13	35.5	17	53.8	16	61.4	14	82.8	21	151.9
Overexertion	22	25.6	20	27.4	12	22.7	7	16.6	7	19.1	10	31.6	10	38.4	1	.	5	36.2
Poisoning	290	336.9	201	275.6	103	195.1	77	183.1	42	114.8	22	69.6	38	145.9	27	159.7	20	144.7
Struck by, Against	95	110.4	57	78.1	37	70.1	25	59.5	13	35.5	14	44.3	7	26.9	2	.	10	72.3
Suffocation	9	10.5	7	9.6	4	.	8	19.0	10	27.3	10	31.6	11	42.2	17	100.5	11	79.6
Other specified & classifiable	76	88.3	48	65.8	33	62.5	24	57.1	33	90.2	24	75.9	16	61.4	17	100.5	26	188.1
Other specified, NEC	58	67.4	50	68.5	21	39.8	20	47.6	21	57.4	20	63.3	10	38.4	10	59.1	8	57.9
Unspecified	100	116.2	91	124.8	58	109.9	54	128.4	49	134.0	54	170.8	71	272.6	56	331.1	52	376.2
Total	1,184	1,375.4	961	1,317.5	633	1,199.2	510	1,212.8	493	1,348.0	531	1,679.9	588	2,257.2	526	3,110.4	665	4,810.5

Source: PHC4.

* Per 100,000 population, 2002; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 14 Cause of Hospitalization by Intent, Number and Rate of Hospital Discharges, Pennsylvania, 2002

	Intent											
	Unintentional		Self-Inflicted		Assault		Undetermined		Other		Total	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Cut/Pierce	1,510	12.2	1,074	8.7	608	4.9	31	.3	1	.	3,224	26.2
Drowning/ Submersion	80	.6	8	.1	.	.	1	.	.	.	89	.7
Fall	58,239	472.4	60	.5	12	.1	56	.5	.	.	58,367	473.4
Fire/Flame	793	6.4	45	.4	8	.1	11	.1	.	.	857	7.0
Hot Object/Scald	1,055	8.6	5	.0	13	.1	1	.	.	.	1,074	8.7
Firearm	294	2.4	109	.9	971	7.9	74	.6	15	.1	1,463	11.9
Machinery	739	6.0	.	.	.	.	.	.	.	.	739	6.0
MVT Occupant	11,334	91.9	.	.	6	.0	.	.	.	.	11,340	92.0
MVT Motorcyclist	1,319	10.7	.	.	.	.	.	.	.	.	1,319	10.7
MVT Pedal Cyclist	327	2.7	.	.	.	.	.	.	.	.	327	2.7
MVT Pedestrian	1,447	11.7	.	.	.	.	.	.	.	.	1,447	11.7
MVT Unspecified	657	5.3	.	.	.	.	.	.	.	.	657	5.3
MVT Other	115	.9	16	.1	.	.	1	.	.	.	132	1.1
Pedal cyclist, other	791	6.4	.	.	.	.	.	.	.	.	791	6.4
Pedestrian, other	126	1.0	.	.	.	.	.	.	.	.	126	1.0
Transport, other	1,813	14.7	.	.	.	.	.	.	.	.	1,813	14.7
Bites & Stings	1,652	13.4	.	.	.	.	.	.	.	.	1,652	13.4
Other natural/env'tl factors	996	8.1	3	.	.	.	10	.1	.	.	1,009	8.2
Overexertion	2,495	20.2	.	.	.	.	.	.	.	.	2,495	20.2
Poisoning	4,904	39.8	7,279	59.0	8	.1	1,645	13.3	.	.	13,836	112.2
Struck by, Against	3,063	24.8	.	.	1,792	14.5	.	.	34	.3	4,889	39.7
Suffocation	1,091	8.8	78	.6	13	.1	6	.0	.	.	1,188	9.6
Other specified & classifiable	5,416	43.9	46	.4	385	3.1	5	.0	27	.2	5,879	47.7
Other specified, NEC	1,537	12.5	223	1.8	491	4.0	275	2.2	4	.	2,530	20.5
Unspecified	7,808	63.3	44	.4	540	4.4	51	.4	9	.1	8,452	68.6
Total	109,601	889.0	8,990	72.9	4,847	39.3	2,167	17.6	90	.7	125,695	1,019.5

Source: PHC4.

* Per 100,000 population, 2002; 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, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	4	.	1	.	5	.7
5-9	2	.	3	.	5	.6
10-14	8	1.9	5	1.2	13	1.6
15-19	28	6.7	13	3.2	41	5.0
20-24	44	12.5	10	2.9	54	7.7
25-29	30	8.2	7	1.9	37	5.0
30-34	30	7.4	10	2.4	40	4.8
35-39	27	5.7	10	2.1	37	3.9
40-44	25	5.1	10	2.0	35	3.5
45-49	46	10.9	16	3.6	62	7.1
50-54	20	5.6	10	2.6	30	4.0
55-59	30	10.7	10	3.2	40	6.8
60-64	22	9.5	6	2.3	28	5.6
65-69	12	5.5	10	3.7	22	4.6
70-74	20	9.5	15	5.4	35	7.2
75-79	16	9.6	14	5.7	30	7.3
80-84	22	21.6	21	11.7	43	15.3
85+	18	27.5	14	8.4	32	13.8
All Ages	404	7.0	185	3.0	589	4.9

Source: PHC4.

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

** Per 100,000 population, 2002; 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, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	415	113.7	278	80.1	693	97.3
5-9	324	78.8	166	42.5	490	61.2
10-14	466	108.7	198	48.4	664	79.3
15-19	1,024	243.6	498	123.4	1,522	184.8
20-24	965	273.2	346	98.9	1,311	186.4
25-29	580	159.5	204	54.1	784	105.8
30-34	589	144.6	248	58.8	837	100.9
35-39	597	126.4	280	58.5	877	92.2
40-44	668	136.1	279	55.5	947	95.3
45-49	564	133.1	285	63.4	849	97.2
50-54	519	146.0	208	53.9	727	98.0
55-59	392	140.2	204	65.5	596	100.9
60-64	341	147.2	195	73.7	536	108.0
65-69	323	149.0	219	82.1	542	112.1
70-74	396	187.6	325	117.4	721	147.7
75-79	476	285.3	572	231.9	1,048	253.5
80-84	484	474.5	685	381.3	1,169	415.1
85+	544	830.0	1,075	644.7	1,619	697.0
All Ages	9,667	167.7	6,265	100.6	15,932	132.8

Source: PHC4.

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

** Per 100,000 population, 2002; totals exclude missing data.

Table 17 Hospital Discharges for Hip Fractures* by Age Group and Gender, Number and Rate, Pennsylvania, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	12	3.3	9	2.6	21	2.9
5-9	7	1.7	8	2.1	15	1.9
10-14	50	11.7	13	3.2	63	7.5
15-19	24	5.7	7	1.7	31	3.8
20-24	23	6.5	8	2.3	31	4.4
25-29	25	6.9	10	2.7	35	4.7
30-34	27	6.6	17	4.0	44	5.3
35-39	39	8.3	22	4.6	61	6.4
40-44	54	11.0	29	5.8	83	8.4
45-49	63	14.9	52	11.6	115	13.2
50-54	87	24.5	95	24.6	182	24.5
55-59	121	43.3	138	44.3	259	43.8
60-64	142	61.3	221	83.6	363	73.2
65-69	205	94.6	394	147.7	599	123.9
70-74	403	190.9	860	310.5	1,263	258.8
75-79	694	416.0	1,765	715.6	2,459	594.7
80-84	884	866.7	2,757	1,534.7	3,641	1,292.8
85+	1,169	1,783.6	4,892	2,933.6	6,061	2,609.2
All Ages	4,029	69.9	11,297	181.4	15,326	127.8

Source: PHC4.

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

** Per 100,000 population, 2002; totals exclude missing data.

Table 18 Hospital Discharges for Falls* by Age Group and Gender, Number and Rate, Pennsylvania, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	418	114.5	302	87.0	720	101.1
5-9	364	88.6	226	57.9	590	73.6
10-14	316	73.7	150	36.7	466	55.6
15-19	313	74.5	135	33.5	448	54.4
20-24	315	89.2	159	45.4	474	67.4
25-29	289	79.5	151	40.0	440	59.4
30-34	396	97.2	235	55.7	631	76.1
35-39	578	122.3	301	62.8	879	92.4
40-44	746	152.0	437	86.9	1,183	119.0
45-49	853	201.3	543	120.8	1,396	159.9
50-54	848	238.6	650	168.4	1,498	202.0
55-59	773	276.5	780	250.6	1,553	262.8
60-64	719	310.3	927	350.5	1,646	331.7
65-69	891	411.0	1,267	475.1	2,158	446.3
70-74	1,365	646.5	2,286	825.5	3,651	748.1
75-79	1,952	1,170.1	4,142	1,679.4	6,094	1,473.9
80-84	2,203	2,159.8	5,390	3,000.4	7,593	2,696.0
85+	2,659	4,057.1	9,082	5,446.3	11,741	5,054.3
All Ages	15,998	277.5	27,163	436.1	43,161	359.9

Source: PHC4.

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

** Per 100,000 population, 2002; totals exclude missing data.

Table 19 Hospital Discharges for Bicycle Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	12	3.3	6	1.7	18	2.5
5-9	116	28.2	57	14.6	173	21.6
10-14	249	58.1	66	16.1	315	37.6
15-19	128	30.5	19	4.7	147	17.8
20-24	40	11.3	5	1.4	45	6.4
25-29	32	8.8	7	1.9	39	5.3
30-34	30	7.4	9	2.1	39	4.7
35-39	44	9.3	13	2.7	57	6.0
40-44	54	11.0	18	3.6	72	7.2
45-49	40	9.4	15	3.3	55	6.3
50-54	46	12.9	10	2.6	56	7.6
55-59	30	10.7	11	3.5	41	6.9
60-64	15	6.5	6	2.3	21	4.2
65-69	9	4.2	3	.	12	2.5
70-74	9	4.3	3	.	12	2.5
75-79	9	5.4	3	.	12	2.9
80-84	4	.	0	.	4	.
85+	0	.	0	.	0	.
All Ages	867	15.0	251	4.0	1,118	9.3

Source: PHC4.

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

** Per 100,000 population, 2002; 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, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	145	39.7	123	35.4	268	37.6
5-9	30	7.3	17	4.4	47	5.9
10-14	81	18.9	169	41.3	250	29.8
15-19	527	125.4	790	195.8	1,317	159.9
20-24	656	185.7	709	202.6	1,365	194.1
25-29	519	142.7	634	168.1	1,153	155.6
30-34	610	149.7	693	164.2	1,303	157.1
35-39	780	165.1	972	202.9	1,752	184.1
40-44	775	157.9	918	182.6	1,693	170.4
45-49	641	151.2	719	160.0	1,360	155.7
50-54	444	124.9	437	113.2	881	118.8
55-59	274	98.0	276	88.7	550	93.1
60-64	159	68.6	224	84.7	383	77.2
65-69	124	57.2	185	69.4	309	63.9
70-74	131	62.0	190	68.6	321	65.8
75-79	141	84.5	183	74.2	324	78.4
80-84	115	112.7	193	107.4	308	109.4
85+	64	97.7	188	112.7	252	108.5
All Ages	6,216	107.8	7,620	122.3	13,836	115.4

Source: PHC4.

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

** Per 100,000 population, 2002; totals exclude missing data.

Table 21 Hospital Discharges for Fire & Burn Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	125	34.2	106	30.5	231	32.4
5-9	42	10.2	39	10.0	81	10.1
10-14	50	11.7	16	3.9	66	7.9
15-19	76	18.1	19	4.7	95	11.5
20-24	89	25.2	33	9.4	122	17.4
25-29	56	15.4	35	9.3	91	12.3
30-34	65	16.0	43	10.2	108	13.0
35-39	96	20.3	45	9.4	141	14.8
40-44	90	18.3	53	10.5	143	14.4
45-49	86	20.3	43	9.6	129	14.8
50-54	64	18.0	43	11.1	107	14.4
55-59	82	29.3	25	8.0	107	18.1
60-64	46	19.9	37	14.0	83	16.7
65-69	49	22.6	45	16.9	94	19.4
70-74	38	18.0	47	17.0	85	17.4
75-79	44	26.4	53	21.5	97	23.5
80-84	31	30.4	47	26.2	78	27.7
85+	18	27.5	52	31.2	70	30.1
All Ages	1,147	19.9	781	12.5	1,928	16.1

Source: PHC4.

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

** Per 100,000 population, 2002; totals exclude missing data.

Table 22 Hospital Discharges for Firearm Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	7	1.9	2	.	9	1.3
5-9	3	.	0	.	3	.
10-14	25	5.8	5	1.2	30	3.6
15-19	237	56.4	19	4.7	256	31.1
20-24	347	98.3	20	5.7	367	52.2
25-29	240	66.0	10	2.7	250	33.7
30-34	137	33.6	15	3.6	152	18.3
35-39	104	22.0	14	2.9	118	12.4
40-44	72	14.7	7	1.4	79	8.0
45-49	46	10.9	10	2.2	56	6.4
50-54	24	6.8	8	2.1	32	4.3
55-59	22	7.9	3	.	25	4.2
60-64	13	5.6	3	.	16	3.2
65-69	10	4.6	1	.	11	2.3
70-74	7	3.3	1	.	8	1.6
75-79	10	6.0	2	.	12	2.9
80-84	1	.	0	.	1	.
85+	2	.	0	.	2	.
All Ages	1,307	22.7	120	1.9	1,427	11.9

Source: PHC4.

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

** Per 100,000 population, 2002; 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, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	0	.	0	.	0	.
5-9	2	.	0	.	2	.
10-14	7	2.0	0	.	7	1.0
15-19	46	13.1	4	.	50	7.3
20-24	47	16.0	7	2.4	54	9.3
25-29	44	14.4	5	1.6	49	8.0
30-34	43	12.5	5	1.4	48	6.8
35-39	31	7.6	6	1.5	37	4.5
40-44	30	7.0	1	.	31	3.6
45-49	20	5.3	6	1.5	26	3.4
50-54	16	5.0	5	1.5	21	3.2
55-59	13	5.1	2	.	15	2.8
60-64	11	5.2	1	.	12	2.7
65-69	10	5.1	0	.	10	2.3
70-74	6	3.1	1	.	7	1.6
75-79	8	5.2	1	.	9	2.3
80-84	1	.	0	.	1	.
85+	1	.	0	.	1	.
All Ages	336	6.8	44	.8	380	3.7

Source: PHC4.

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

** Per 100,000 population, 2002; 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, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	3	.	2	.	5	5.7
5-9	1	.	0	.	1	.
10-14	16	31.4	5	10.1	21	20.9
15-19	164	353.6	11	25.0	175	193.6
20-24	259	687.1	11	27.8	270	349.4
25-29	175	464.4	4	.	179	224.8
30-34	82	206.7	8	18.6	90	108.9
35-39	63	149.5	7	15.1	70	79.0
40-44	34	83.3	3	.	37	42.3
45-49	21	65.6	4	.	25	34.6
50-54	7	28.6	0	.	7	12.4
55-59	7	37.5	1	.	8	17.8
60-64	1	.	1	.	2	.
65-69	0	.	0	.	0	.
70-74	1	.	0	.	1	.
75-79	1	.	0	.	1	.
80-84	0	.	0	.	0	.
85+	1	.	0	.	1	.
All Ages	836	158.1	57	9.5	893	79.0

Source: PHC4.

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

** Per 100,000 population, 2002; 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, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	106	29.0	57	16.4	163	22.9
5-9	18	4.4	7	1.8	25	3.1
10-14	75	17.5	31	7.6	106	12.7
15-19	494	117.5	99	24.5	593	72.0
20-24	757	214.3	116	33.1	873	124.2
25-29	471	129.5	89	23.6	560	75.6
30-34	406	99.6	113	26.8	519	62.6
35-39	420	88.9	137	28.6	557	58.5
40-44	436	88.8	110	21.9	546	54.9
45-49	296	69.8	70	15.6	366	41.9
50-54	160	45.0	38	9.8	198	26.7
55-59	91	32.5	18	5.8	109	18.4
60-64	50	21.6	14	5.3	64	12.9
65-69	30	13.8	15	5.6	45	9.3
70-74	31	14.7	15	5.4	46	9.4
75-79	15	9.0	12	4.9	27	6.5
80-84	11	10.8	10	5.6	21	7.5
85+	11	16.8	18	10.8	29	12.5
All Ages	3,878	67.3	969	15.6	4,847	40.4

Source: PHC4.

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

** Per 100,000 population, 2002; totals exclude missing data.

Table 26 Hospital Discharges for Assaults* by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	54	18.4	31	11.2	85	14.9
5-9	8	2.4	4	.	12	1.9
10-14	27	7.6	8	2.4	35	5.1
15-19	195	55.7	44	13.1	239	34.8
20-24	260	88.6	44	15.2	304	52.2
25-29	129	42.3	39	12.5	168	27.3
30-34	138	40.0	49	13.8	187	26.7
35-39	167	40.9	68	16.6	235	28.7
40-44	191	44.3	55	12.6	246	28.4
45-49	118	31.3	39	9.9	157	20.4
50-54	60	18.8	25	7.3	85	12.9
55-59	33	13.1	10	3.6	43	8.1
60-64	21	10.0	8	3.4	29	6.5
65-69	19	9.6	13	5.4	32	7.3
70-74	18	9.2	9	3.5	27	6.0
75-79	11	7.1	10	4.4	21	5.5
80-84	7	7.3	9	5.4	16	6.1
85+	5	8.2	12	7.7	17	7.9
All Ages	1,461	29.4	477	8.9	1,938	18.8

Source: PHC4.

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

** Per 100,000 population, 2002; 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, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	35	79.1	17	39.6	52	59.7
5-9	10	18.8	1	.	11	10.5
10-14	37	72.7	17	34.3	54	53.7
15-19	247	532.6	44	99.9	291	321.9
20-24	390	1,034.7	58	146.5	448	579.7
25-29	274	727.1	39	93.0	313	393.2
30-34	217	546.9	55	128.0	272	329.1
35-39	220	522.1	55	118.3	275	310.3
40-44	205	502.2	44	94.4	249	284.8
45-49	154	481.1	25	62.3	179	248.1
50-54	83	339.6	13	40.4	96	169.6
55-59	48	257.0	7	26.7	55	122.5
60-64	21	136.4	4	.	25	66.2
65-69	9	60.5	2	.	11	29.9
70-74	12	94.2	5	26.7	17	54.0
75-79	2	.	1	.	3	.
80-84	2	.	1	.	3	.
85+	2	.	5	51.8	7	52.5
All Ages	1,968	372.2	393	65.3	2,361	208.9

Source: PHC4.

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

** Per 100,000 population, 2002; 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, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	2	.	0	.	2	.
5-9	3	.	0	.	3	.
10-14	47	11.0	157	38.4	204	24.4
15-19	392	93.3	702	174.0	1,094	132.8
20-24	559	158.3	617	176.3	1,176	167.2
25-29	404	111.1	533	141.4	937	126.5
30-34	454	111.4	582	137.9	1,036	124.9
35-39	491	103.9	756	157.8	1,247	131.1
40-44	470	95.7	667	132.7	1,137	114.4
45-49	335	79.0	510	113.5	845	96.8
50-54	229	64.4	256	66.3	485	65.4
55-59	123	44.0	158	50.8	281	47.6
60-64	55	23.7	104	39.3	159	32.0
65-69	46	21.2	69	25.9	115	23.8
70-74	28	13.3	48	17.3	76	15.6
75-79	28	16.8	51	20.7	79	19.1
80-84	32	31.4	28	15.6	60	21.3
85+	22	33.6	32	19.2	54	23.2
All Ages	3,720	64.5	5,270	84.6	8,990	75.0

Source: PHC4.

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

** Per 100,000 population, 2002; 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, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	2	.	0	.	2	.
5-9	1	.	0	.	1	.
10-14	35	9.9	121	36.0	156	22.6
15-19	337	96.3	578	171.8	915	133.3
20-24	463	157.7	495	171.5	958	164.6
25-29	318	104.4	422	135.6	740	120.1
30-34	359	104.0	468	131.6	827	118.0
35-39	401	98.2	622	151.5	1,023	124.9
40-44	386	89.6	569	130.3	955	110.1
45-49	279	74.0	439	111.7	718	93.2
50-54	190	59.4	218	64.0	408	61.8
55-59	103	40.8	143	51.9	246	46.6
60-64	47	22.4	98	41.6	145	32.6
65-69	36	18.2	65	27.2	101	23.1
70-74	26	13.3	46	18.1	72	16.0
75-79	25	16.1	49	21.5	74	19.3
80-84	30	31.3	27	16.1	57	21.6
85+	20	32.9	31	20.0	51	23.6
All Ages	3,058	61.5	4,391	82.0	7,449	72.1

Source: PHC4.

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

** Per 100,000 population, 2002; 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, 2002

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	0	.	0	.	0	.
5-9	1	.	0	.	1	.
10-14	7	13.7	18	36.3	25	24.9
15-19	33	71.2	76	172.6	109	120.6
20-24	53	140.6	71	179.3	124	160.5
25-29	54	143.3	71	169.4	125	157.0
30-34	66	166.3	74	172.2	140	169.4
35-39	61	144.8	82	176.4	143	161.4
40-44	57	139.6	69	148.1	126	144.1
45-49	43	134.3	47	117.1	90	124.7
50-54	26	106.4	20	62.2	46	81.3
55-59	10	53.5	10	38.1	20	44.5
60-64	6	39.0	5	22.4	11	29.1
65-69	7	47.1	2	.	9	24.4
70-74	1	.	0	.	1	.
75-79	3	.	1	.	4	.
80-84	1	.	0	.	1	.
85+	1	.	0	.	1	.
All Ages	430	81.3	546	90.8	976	86.4

Source: PHC4.

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

** Per 100,000 population, 2002; totals exclude missing data.

. Rate not calculated for <5 observations.

Appendices

Appendix A Technical Notes on Methods

Data analysis was performed using SPSS⁵ on a personal computer. Resident discharge rates were computed by 25 E-code cause groupings obtained from the Centers for Disease Control and Prevention⁹ 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. These include the following E-codes:

<ul style="list-style-type: none">▪ 995.0-995.4 (Certain adverse effects)▪ 995.6-995.69 (Anaphylactic shock due to adverse food reaction)▪ 995.89 (Other malignant hyperpyrexia or hypothermia due to anesthesia)	<ul style="list-style-type: none">▪ E870.0 – E876.9 (Misadventures to patients during surgical and medical care)▪ E878.0 – E879.9 (Surgical and medical procedures and complications)▪ E930.0 – E949.9 (Effects of drugs, medicinal and biological substances in therapeutic use)
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To provide data to measure Pennsylvania's progress towards meeting the objectives set in *Healthy People 2010* - Selected Injury-related Objectives: 15-1; 15-2; 15-28, several specific injury types and causes (namely unintentional injuries, spinal cord injuries, head injuries, hip fractures, and falls) were analyzed by age group, race and specific causes. Fire-burns related asphyxia injuries, pedal cycle (bicycle) injuries, self-inflicted, and assaults were also analyzed by age group, gender, race 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 was based on the mid-year state population for 2002. 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

INTENT				
	1. Unintentional	2. Self-inflicted	3. Assault	4. Other/unspecified
MECHANISM	ICD-9-CM E-CODE GROUPINGS			
Cut/pierce	920.0-9	956	966	974; 986
Drowning/submersion	830.0-9; 832.0-9 910.0-9	954	964	984
Fall	880.0-886.9; 888	957.0-9	968.1	987.0-9
Fire/flames	890.0-899	958(.1, .2, .7)	968	988.1
Hot object/scald	924.0-9	958.2;.7	961;968.3	988.2;.7
Firearm	922.0-9	955.0-4	965.0-4	970; 985.0-4
Machinery	919.0-9			
MV-Traffic				
Occupant	810-819 (.0,.1)			
Motorcyclist	810-819 (.2,.3)			
Pedal cyclist	810-819 (.6)			
Pedestrian	810-819 (.7)			
Unspecified	810-819 (.9)			
Other	810-819 (.4, .5, .8)	958.5	968.5	988.5
Pedal cyclist, other	800-807(.3); 820- 825(.6) 826.1;.9; 827- 829 (.1)			
Pedestrian, other	800-807 (.2) 820-825 (.7) 826-829 (.0)			
Transport, other	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
Bites & stings	905.0-.6;.9 906(.0-.4, .2-.9)			
Other natural & environmental factors	900-909 928.0-2	958.3		988.3
Overexertion	927			
Poisoning	850.0-869.9	950.0-952.9	962.0-9	972; 980.0-982.9
Struck by, against	916-917.9		960.0;968.2	973;975
Suffocation	911-913.9	953.0-9	963	983.0-9
Other specified and classifiable	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
Other specified, not elsewhere classifiable	928,8, 929.8	958.8, 959	968.8, 969	977, 995, 997.8 998, 999
Unspecified	887, 928.9, 929.9	958.9	968.9	976, 997.9

Source: CDC E-code matrix 2002.

Appendix C Categories of Specific Mechanisms

Falls, Jumps & Shoves (by Specific E-coded Mechanism)				
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.(0,1,8,9), E988.0
Bicycle Injuries (by Specific E-coded Mechanism)				
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)
Fire, Burns & Related Asphyxia Injuries (by Specific E-coded Mechanism)				
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)
Firearm Injuries (by E-coded Type of Firearm)				
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].

- 806.0 - 806.9 Fracture of the vertebral column with spinal cord injury
- 952.0 – 952.9 Spinal cord injury without evidence of spinal bone injury

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 Fracture of the vault or base of skull
- 803.0 - 804.9 Other and unqualified and multiple fractures of the skull
- 850.0 - 854.1 Intracranial injury, including concussion, contusion, laceration, and hemorrhage
- 959.01 Head injury, unspecified (began 10-1-97)

Hip Fractures

- 820.0 – 820.9 Transcervical fractures, peritrochanteric fractures, and fractures of unspecified parts of the neck of the femur

Appendix E Healthy People 2010 Objectives

Healthy People 2010: Understanding and Improving Health establishes specific Injury and Violence Prevention Objectives for improving the health of all Americans. Only 2 objectives can be directly assessed using the state hospital discharge data. A third was added since a vast majority of hip fractures among the elderly result in hospitalizations. The following table compares the Healthy People 2010 National Objectives and Pennsylvania rates for 2002.

Healthy People Year 2010 Objective	Pennsylvania Rate*, 2002	Factor Above Target
Objective 15-1: <i>Reduce nonfatal head injuries so that hospitalizations for this condition are no more than 45 per 100,000 people.</i>	The rate for nonfatal head injury hospitalizations in Pennsylvania was 91.0 per 100,000 people.	2.02
Objective 15-2: <i>Reduce nonfatal spinal cord injuries so that hospitalizations for this condition are no more than 2.4 per 100,000 people.</i>	The rate for nonfatal spinal cord injury hospitalizations in Pennsylvania was 5.7 per 100,000 people.	2.38
Objective 15-28a: <i>Reduce hip fractures among females aged 65 and older so that hospitalizations for this condition are no more than 416 per 100,000 people.</i>	The rate for hip fracture hospitalizations among females aged 65 and older in Pennsylvania was 974.4 per 100,000 people.	2.34
Objective 15-28b: <i>Reduce hip fractures among males aged 65 and older so that hospitalizations for this condition are no more than 474 per 100,000 people.</i>	The rate for hip fracture hospitalizations among males aged 65 and older in Pennsylvania was 518.2 per 100,000 people.	1.09

* Rate age-adjusted using the Healthy People 2010 standard age groupings.

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