



INJURIES IN PENNSYLVANIA

Hospital Discharges 1998

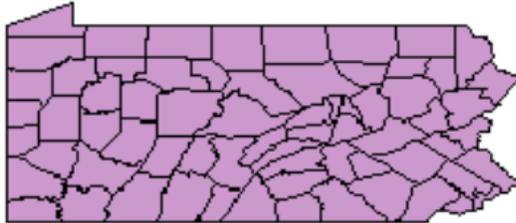
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Injuries in Pennsylvania



Hospital Discharges 1998

Injury Prevention Program
Division of Health Risk Reduction
Pennsylvania Department of Health
P. O. Box 90, Room 1008
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Acknowledgments

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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.
MV	Motor Vehicle

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 the third annual report, in a series, to comprehensively document the injury burden to Pennsylvanians using hospitalized data.

In 1998, 116,274 reported injury cases to Pennsylvania residents were discharged from hospitals in the Commonwealth of Pennsylvania, a rate of 968.8 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 947.8 compared to 988.3 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 appear to 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 using smoke detector-giveaways for specific counties that are over-represented in 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.

Fact Sheet

- In 1998, a total of 116,274 injury hospital discharges were reported by Pennsylvania hospitals, representing an injury hospital discharge rate of 968.8 per 100,000 persons.
- Males experienced an overall rate of 947.8 per 100,000 persons compared with a female rate of 988.3 per 100,000 persons.
- The overall injury rate for Blacks was 1.2 times that of Whites.
- Falls accounted for 44.7% of all injury discharges that were assigned valid E-codes.
- Violence, including self-inflicted injuries and assaults, comprised 11.7% of all injury hospital discharges with rates of 71.3 and 41.8 per 100,000 persons, respectively.
- The hospital discharge rate from assaults for Blacks was 13 times that of Whites.
- Among Pennsylvanians ages 20-24 years old, 289 out of every 100,000 Blacks were discharged from a hospital as a result of a firearm-related injury compared to 60 out of every 100,000 Whites.
- The hospital discharge rate for nonfatal spinal cord injuries in Pennsylvania was 12% lower than the national rate set as the target for the Year 2000.
- The hospital discharge rate for nonfatal head injuries in Pennsylvania was 6% 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 52% higher than the national rate set as the target for the Year 2000.

Narrative

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 (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 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 1998 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 1998 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 1996 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.

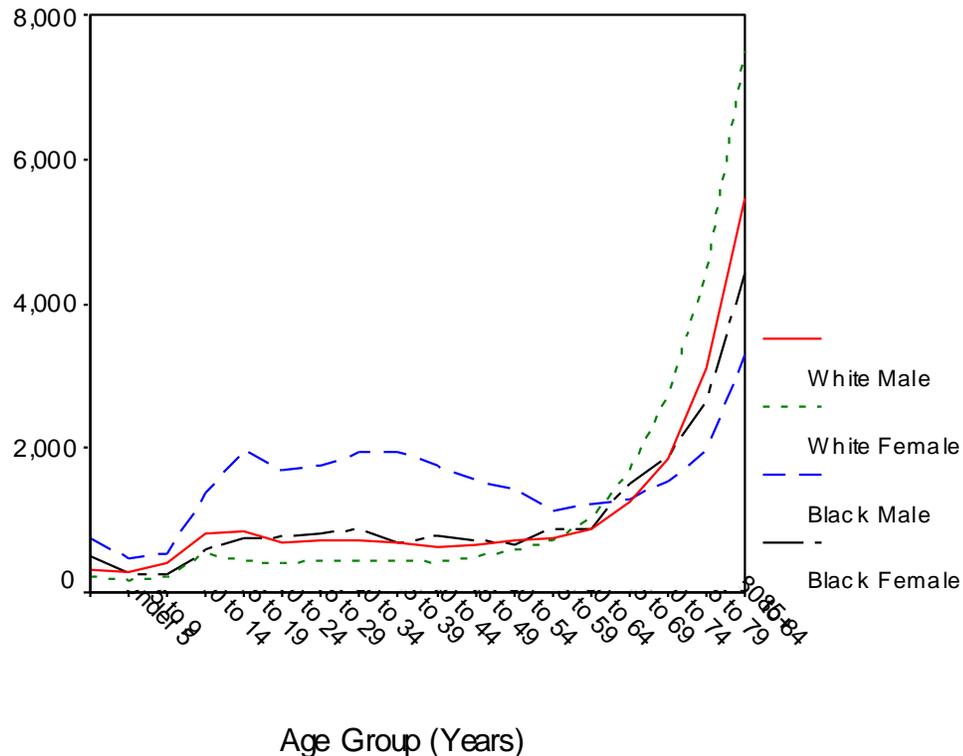
Data Analysis

Data analysis was performed using SPSS.⁵ Several mortality and morbidity reports from the Commonwealth and other states were consulted for the analysis presented in this report.⁶⁻¹⁵ The analysis was performed according to suggested recommendations published recently.¹⁶ Data for population-based rates statewide and for each county were obtained from the State Bureau of Health Statistics^{17,18} 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.²⁰ Details of data analysis are included in Appendix A. The E-codes for each mechanism (cause of injury) or intent grouping,¹⁹ as well as the codes for specific injury causes and types are also listed in Appendix B.

Graphical Highlights

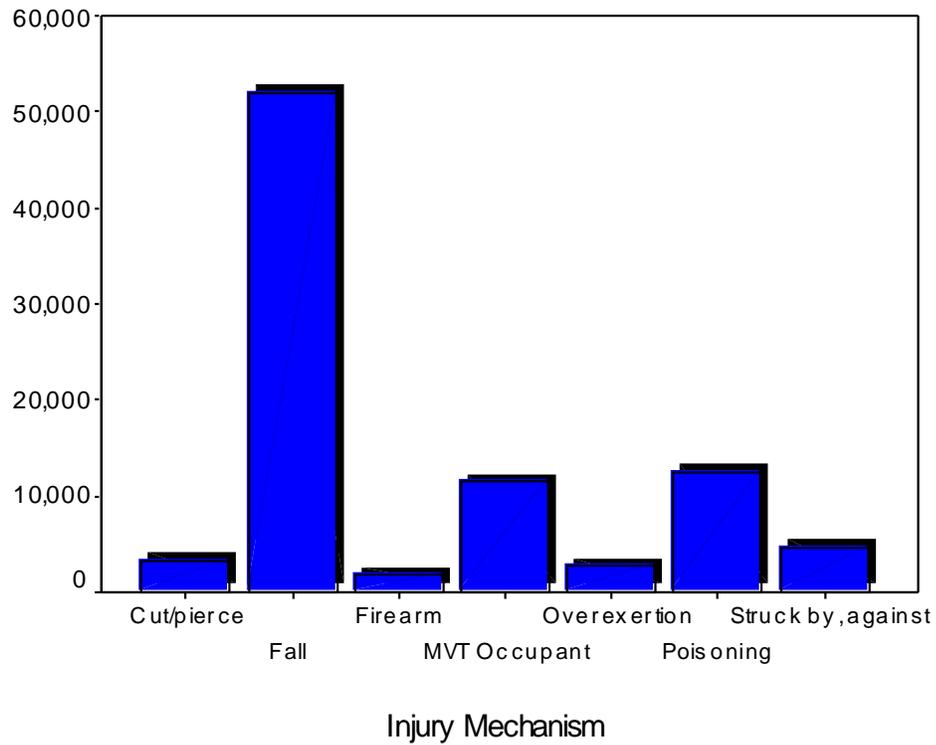
Figure 1 Hospital Discharge Rates by Race-Gender and Age Group, Pennsylvania, 1998



Source:PHC4

- ❑ Overall, the injury hospital discharge rate for males (947.8 per 100,000 persons) was significantly lower (Pearson χ^2 test) than that of females (988.3 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.
- ❑ Overall, Black males experience the highest injury hospital discharge rate from birth to 65 years compared to White males, White females and Black females.
- ❑ 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.

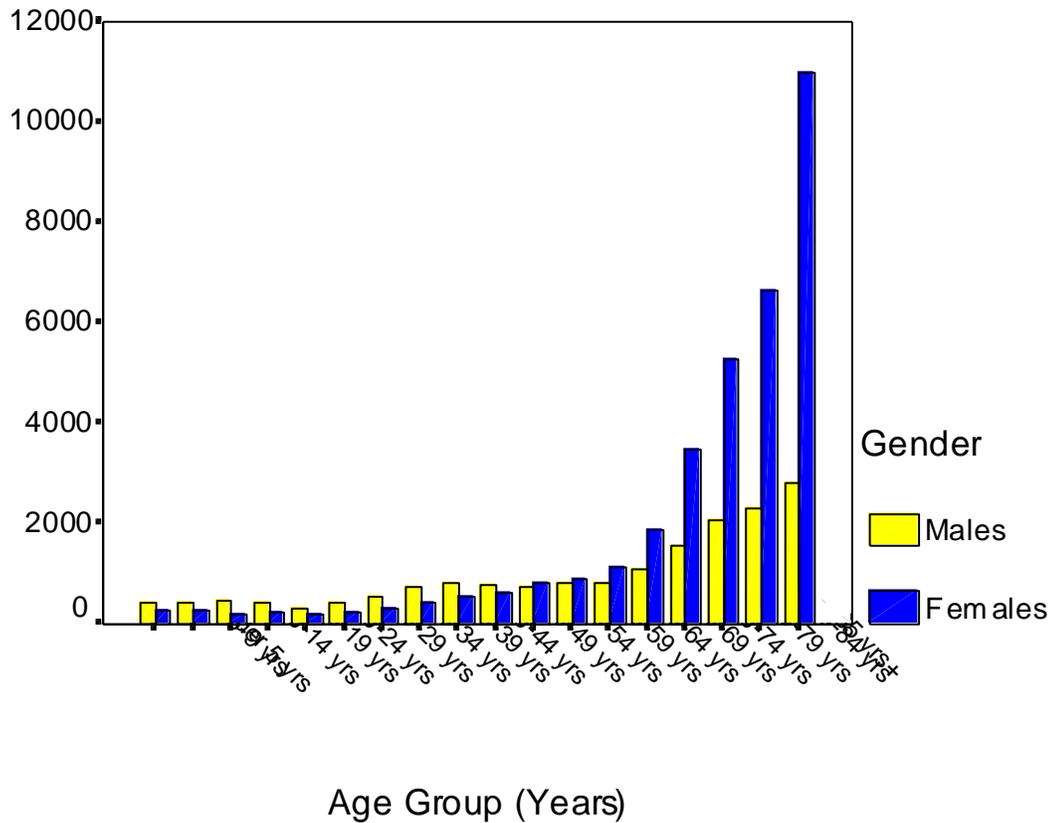
Figure 2 Hospital Discharges for Leading Injury Mechanisms, Pennsylvania, 1998



Source:PHC4

- ❑ **Falls continue to rank as the leading injury mechanism for hospitalizations among Pennsylvania residents, accounting for nearly half of all discharges.**

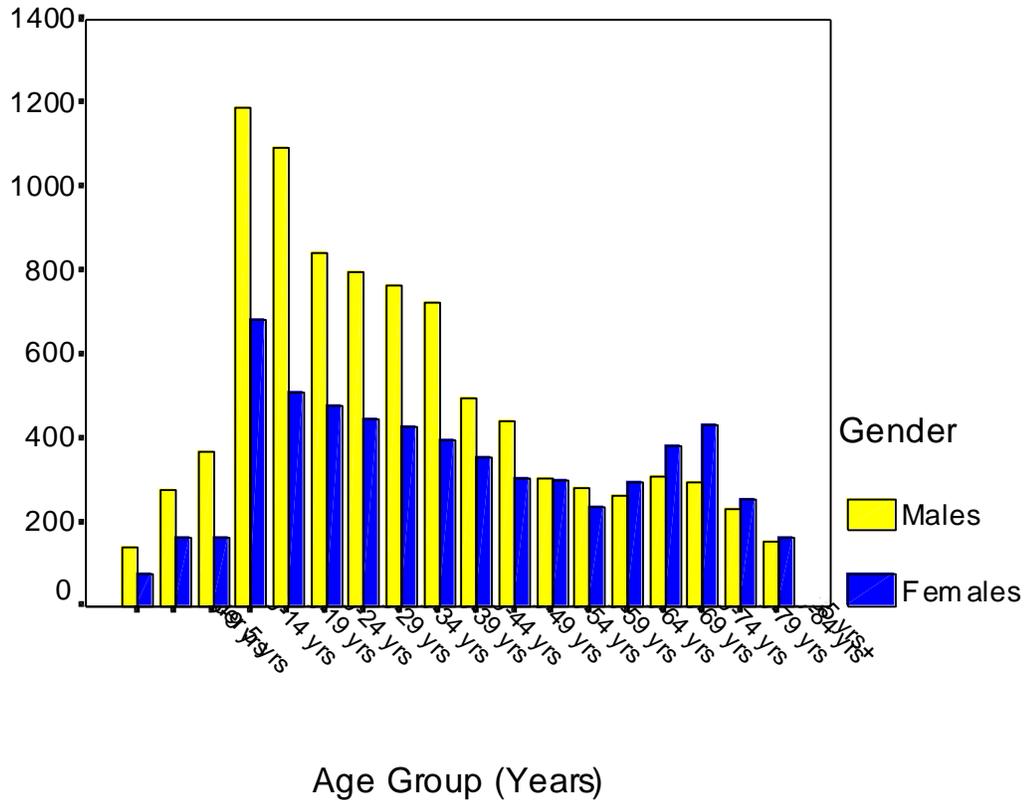
Figure 3 Hospital Discharges for Falls by Age Group and Gender, Pennsylvania, 1998



Source: PHC4

- ❑ **The frequency distribution of hospital discharges from falls demonstrates an increasing trend with age.**
- ❑ **Among persons under 50 years, the frequency of hospital discharges from falls was higher in males.**
- ❑ **After age 50 years, females demonstrate increasingly higher frequencies of hospitalizations from falls than do males.**

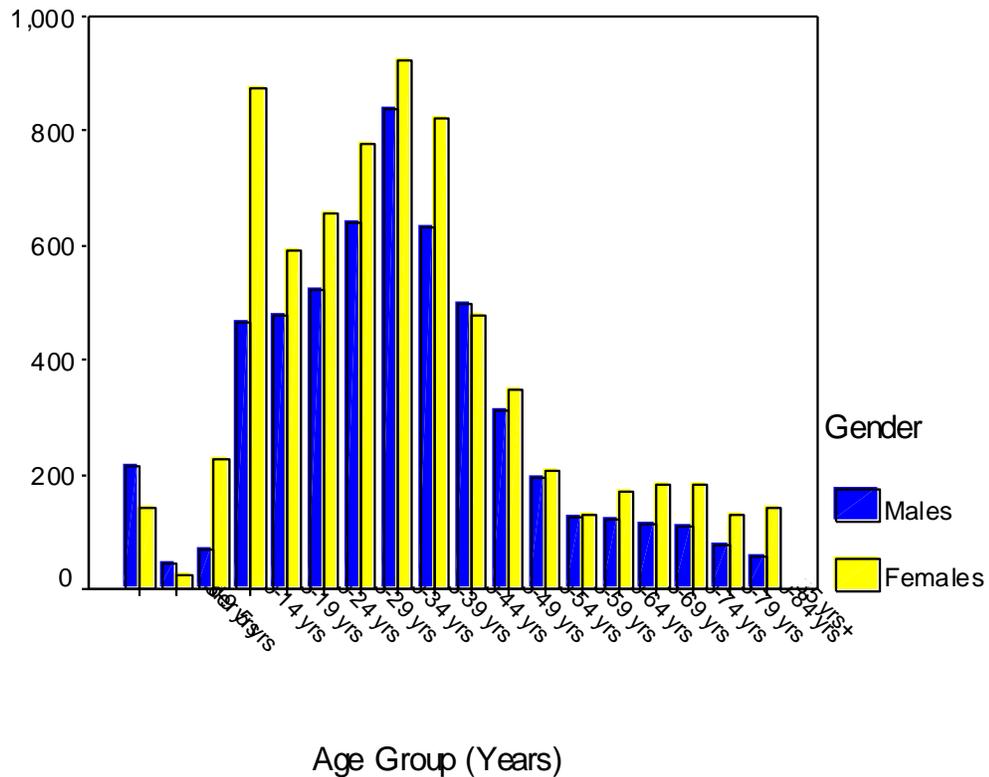
Figure 4 Hospital Discharges for Motor Vehicle-related Injuries by Age Group and Gender, Pennsylvania, 1998



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.**
- ❑ **After 65 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, 1998



Source:PHC4

- ❑ **The frequency distribution of hospital discharges from poisonings was bimodal with peaks in persons under 5 years and those ages 30-39 years.**
- ❑ **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 older teenagers aged 15-19 years and the elderly (80 years and older).**

Detailed Tables of Statewide Data

Table 1 Hospital Discharges for all Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1,589	412.0	1,053	287.2	2,642	351.2
5-9	1,376	338.3	802	207.9	2,178	274.8
10-14	1,911	470.4	976	252.1	2,887	363.9
15-19	4,092	964.4	2,419	580.6	6,511	774.2
20-24	3,935	976.1	1,849	466.4	5,784	723.4
25-29	3,510	897.7	1,960	516.9	5,470	710.2
30-34	3,860	909.1	2,265	535.4	6,125	722.6
35-39	4,498	1,008.1	2,596	571.5	7,094	787.9
40-44	4,292	967.3	2,535	554.8	6,827	758.0
45-49	3,291	809.0	2,157	506.6	5,448	654.3
50-54	2,755	791.8	2,120	572.2	4,875	678.6
55-59	2,269	779.6	1,973	619.9	4,242	696.2
60-64	2,004	798.8	2,135	740.8	4,139	767.8
65-69	2,240	1,004.2	3,109	1,108.9	5,349	1,062.5
70-74	2,915	1,491.5	5,120	1,888.3	8,035	1,722.1
75-79	3,370	2,219.6	7,174	3,035.7	10,544	2,716.5
80-84	3,287	3,287.2	8,297	4,712.2	11,584	4,196.1
85+	3,614	4,306.2	12,922	6,941.7	16,536	6,122.7
All Ages	54,808	947.8	61,462	988.3	116,270	968.8

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	952	323.8	629	226.4	1,581	276.5
5-9	896	268.3	535	169.3	1,431	220.1
10-14	1,390	399.8	727	220.1	2,117	312.2
15-19	2,826	816.4	1,817	546.4	4,643	684.1
20-24	2,481	853.1	1,235	430.4	3,716	643.2
25-29	2,222	697.6	1,308	401.1	3,530	547.6
30-34	2,533	727.0	1,588	443.5	4,121	583.3
35-39	2,996	723.7	1,828	439.4	4,824	581.2
40-44	2,902	682.4	1,906	442.0	4,808	561.4
45-49	2,263	617.9	1,597	417.8	3,860	515.7
50-54	2,060	672.1	1,632	499.2	3,692	582.8
55-59	1,732	708.5	1,556	582.0	3,288	642.5
60-64	1,576	760.2	1,684	723.6	3,260	740.8
65-69	1,797	882.3	2,565	1,035.6	4,362	966.4
70-74	2,449	1,254.5	4,312	1,686.0	6,761	1,499.2
75-79	2,851	1,862.5	6,198	2,736.9	9,049	2,384.3
80-84	2,877	3,108.2	7,254	4,419.5	10,131	3,946.6
85+	3,123	5,455.5	11,174	7,491.3	14,297	6,926.7
All Ages	39,926	807.4	49,545	930.0	89,471	871.0

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	364	753.9	240	513.0	604	635.3
5-9	269	481.9	142	262.4	411	373.8
10-14	270	533.1	116	235.4	386	386.3
15-19	659	1,369.0	274	600.9	933	995.4
20-24	769	1,987.6	302	750.7	1,071	1,357.1
25-29	682	1,681.8	344	769.7	1,026	1,203.6
30-34	736	1,761.8	367	814.7	1,103	1,270.4
35-39	858	1,946.2	430	886.8	1,288	1,391.3
40-44	809	1,960.0	325	693.3	1,134	1,286.4
45-49	566	1,742.7	316	778.9	882	1,207.4
50-54	373	1,554.4	229	727.0	602	1,084.8
55-59	270	1,428.7	178	673.5	448	988.4
60-64	179	1,132.2	198	872.7	377	979.2
65-69	193	1,226.6	201	885.3	394	1,025.0
70-74	165	1,286.9	284	1,502.2	449	1,415.2
75-79	148	1,548.8	288	1,893.0	436	1,760.2
80-84	91	1,969.7	253	2,650.0	344	2,428.2
85+	121	3,291.6	416	4,438.8	537	4,115.6
All Ages	7,522	1,375.5	4,903	793.3	12,425	1,066.6

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 4 Cause of Hospitalization by Age Group (0-44), Number and Rate, Pennsylvania, 1998

	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	8.5	109	13.8	121	15.3	362	43.0	401	50.2	338	43.9	356	42.0	371	41.2	328	36.4
Drowning/Submersion	31	4.1	10	1.3	11	1.4	7	.8	4	.	3	.	8	.9	4	.	4	.
Fall	703	93.4	710	89.6	647	81.5	640	76.1	522	65.3	635	82.4	875	103.2	1,154	128.2	1,379	153.1
Fire/Flame	36	4.8	34	4.3	37	4.7	48	5.7	47	5.9	43	5.6	61	7.2	67	7.4	56	6.2
Hot Object/Scald	248	33.0	35	4.4	29	3.7	35	4.2	40	5.0	50	6.5	70	8.3	87	9.7	73	8.1
Firearm	10	1.3	10	1.3	44	5.5	339	40.3	455	56.9	262	34.0	181	21.4	151	16.8	127	14.1
Machinery	14	1.9	10	1.3	14	1.8	45	5.4	97	12.1	75	9.7	90	10.6	87	9.7	99	11.0
MV Occupant	127	16.9	173	21.8	232	29.2	1,563	185.9	1,319	165.0	1,015	131.8	952	112.3	870	96.6	824	91.5
MV Motorcyclist	2	.	7	.9	17	2.1	98	11.7	145	18.1	155	20.1	137	16.2	139	15.4	121	13.4
MV Pedal Cyclist	3	.	72	9.1	106	13.4	37	4.4	11	1.4	19	2.5	23	2.7	32	3.6	17	1.9
MV Pedestrian	85	11.3	185	23.3	165	20.8	116	13.8	76	9.5	83	10.8	81	9.6	101	11.2	101	11.2
MV Unspecified	2	.	3	.	5	.6	44	5.2	47	5.9	43	5.6	40	4.7	46	5.1	52	5.8
MV Other	2	.	4	.	9	1.1	16	1.9	12	1.5	9	1.2	13	1.5	7	.8	11	1.2
Pedal cyclist, other	29	3.9	165	20.8	252	31.8	95	11.3	36	4.5	43	5.6	42	5.0	45	5.0	42	4.7
Pedestrian, other	14	1.9	12	1.5	19	2.4	7	.8	3	.	6	.8	6	.7	6	.7	4	.
Transport, other	20	2.7	49	6.2	100	12.6	178	21.2	149	18.6	132	17.1	108	12.7	122	13.5	107	11.9
Bites & Stings	107	14.2	91	11.5	62	7.8	52	6.2	57	7.1	59	7.7	73	8.6	103	11.4	110	12.2
Other natural/env'tl factors	31	4.1	19	2.4	13	1.6	18	2.1	21	2.6	15	1.9	19	2.2	22	2.4	28	3.1
Overexertion	6	.8	11	1.4	57	7.2	183	21.8	127	15.9	150	19.5	188	22.2	211	23.4	252	28.0
Poisoning	357	47.5	70	8.8	297	37.4	1,338	159.1	1,069	133.7	1,177	152.8	1,417	167.2	1,763	195.8	1,453	161.3
Struck by, Against	99	13.2	145	18.3	309	38.9	585	69.6	435	54.4	358	46.5	459	54.1	531	59.0	465	51.6
Suffocation	86	11.4	7	.9	17	2.1	16	1.9	28	3.5	17	2.2	20	2.4	16	1.8	16	1.8
Other specified and classifiabl	273	36.3	118	14.9	121	15.3	177	21.0	196	24.5	268	34.8	286	33.7	395	43.9	351	39.0
Other specified, NEC	67	8.9	37	4.7	44	5.5	139	16.5	160	20.0	156	20.3	199	23.5	228	25.3	238	26.4
Unspecified	1,307	173.7	1,079	136.2	1,436	181.0	3,301	392.5	2,943	368.0	2,802	363.7	3,147	371.3	3,653	405.7	3,554	394.6

Source: PHC4.

* Per 100,000 population, 1998; totals exclude missing data.

. Rate not calculated, or Empty cell.

Table 5 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Pennsylvania, 1998

	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	211	25.3	139	19.3	101	16.6	75	13.9	71	14.1	70	15.0	53	13.7	51	18.5	37	13.7
Drowning/Submersion	5	.6	2	.	1	.	2	.	.	.	2	.	2	.	1	.	2	.
Fall	1,437	172.6	1,563	217.6	1,691	277.5	1,968	365.1	2,956	587.2	5,057	1,083.8	7,343	1,891.8	8,929	3,234.3	13,776	5,100.8
Fire/Flame	54	6.5	48	6.7	25	4.1	27	5.0	30	6.0	34	7.3	45	11.6	23	8.3	18	6.7
Hot Object/Scald	52	6.2	54	7.5	43	7.1	43	8.0	50	9.9	45	9.6	46	11.9	48	17.4	49	18.1
Firearm	53	6.4	44	6.1	28	4.6	13	2.4	8	1.6	14	3.0	9	2.3	6	2.2	11	4.1
Machinery	74	8.9	63	8.8	54	8.9	43	8.0	25	5.0	33	7.1	26	6.7	15	5.4	6	2.2
MV Occupant	643	77.2	541	75.3	466	76.5	421	78.1	455	90.4	586	125.6	598	154.1	408	147.8	251	92.9
MV Motorcyclist	83	10.0	85	11.8	37	6.1	16	3.0	17	3.4	8	1.7	6	1.5	4	.	2	.
MV Pedal Cyclist	11	1.3	4	.	3	.	4	.	5	1.0	3	.	.	.	.	.	1	.
MV Pedestrian	83	10.0	77	10.7	63	10.3	56	10.4	59	11.7	61	13.1	95	24.5	54	19.6	47	17.4
MV Unspecified	25	3.0	37	5.2	30	4.9	22	4.1	21	4.2	31	6.6	25	6.4	23	8.3	15	5.6
MV Other	8	1.0	5	.7	6	1.0	1	.	4	.	4	.	4	.	.	.	5	1.9
Pedal cyclist, other	36	4.3	37	5.2	14	2.3	20	3.7	16	3.2	10	2.1	7	1.8	8	2.9	5	1.9
Pedestrian, other	8	1.0	5	.7	6	1.0	4	.	9	1.8	8	1.7	9	2.3	4	.	4	.
Transport, other	93	11.2	69	9.6	58	9.5	23	4.3	41	8.1	45	9.6	46	11.9	40	14.5	36	13.3
Bites & Stings	113	13.6	102	14.2	77	12.6	55	10.2	60	11.9	80	17.1	70	18.0	40	14.5	33	12.2
Other natural/env'tl factors	34	4.1	34	4.7	26	4.3	31	5.8	35	7.0	49	10.5	56	14.4	49	17.7	57	21.1
Overexertion	202	24.3	198	27.6	176	28.9	143	26.5	168	33.4	192	41.2	198	51.0	146	52.9	129	47.8
Poisoning	976	117.2	657	91.4	400	65.6	255	47.3	292	58.0	298	63.9	294	75.7	208	75.3	199	73.7
Struck by, Against	294	35.3	210	29.2	136	22.3	100	18.5	109	21.7	129	27.6	130	33.5	106	38.4	115	42.6
Suffocation	20	2.4	18	2.5	19	3.1	33	6.1	49	9.7	84	18.0	120	30.9	87	31.5	85	31.5
Other specified and classifiabl	311	37.4	220	30.6	213	35.0	212	39.3	212	42.1	279	59.8	295	76.0	264	95.6	259	95.9
Other specified, NEC	144	17.3	109	15.2	95	15.6	77	14.3	67	13.3	87	18.6	88	22.7	70	25.4	81	30.0
Unspecified	2,817	338.3	2,547	354.4	2,216	363.7	2,178	404.0	2,791	554.3	4,126	884.2	5,384	1,387.0	5,907	2,139.7	8,393	3,107.5

Source: PHC4.

* Per 100,000 population, 1998; totals exclude missing data.

. Rate not calculated, or Empty cell.

Table 6 Cause of Hospitalization by Age Group (0-44), Number and Rate, Males, Pennsylvania, 1998

	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	39	10.1	73	17.9	69	17.0	237	55.9	306	75.9	226	57.8	258	60.8	257	57.6	239	53.9
Drowning/Submersion	18	4.7	7	1.7	5	1.2	6	1.4	3	.	3	.	5	1.2	2	.	2	.
Fall	416	107.9	418	102.8	457	112.5	423	99.7	332	82.4	411	105.1	557	131.2	732	164.1	836	188.4
Fire/Flame	25	6.5	24	5.9	28	6.9	31	7.3	37	9.2	28	7.2	41	9.7	52	11.7	41	9.2
Hot Object/Scald	149	38.6	21	5.2	16	3.9	25	5.9	29	7.2	34	8.7	51	12.0	61	13.7	44	9.9
Firearm	8	2.1	8	2.0	37	9.1	310	73.1	423	104.9	240	61.4	154	36.3	132	29.6	113	25.5
Machinery	9	2.3	7	1.7	12	3.0	41	9.7	88	21.8	69	17.6	83	19.5	74	16.6	87	19.6
MV Occupant	71	18.4	84	20.7	140	34.5	959	226.0	849	210.6	606	155.0	568	133.8	504	113.0	499	112.5
MV Motorcyclist	1	.	6	1.5	15	3.7	87	20.5	136	33.7	136	34.8	125	29.4	123	27.6	106	23.9
MV Pedal Cyclist	3	.	55	13.5	93	22.9	35	8.2	10	2.5	14	3.6	22	5.2	27	6.1	16	3.6
MV Pedestrian	66	17.1	126	31.0	111	27.3	70	16.5	61	15.1	52	13.3	54	12.7	73	16.4	69	15.6
MV Unspecified	1	.	3	.	5	1.2	29	6.8	31	7.7	28	7.2	21	4.9	32	7.2	29	6.5
MV Other	.	.	4	.	7	1.7	9	2.1	9	2.2	7	1.8	7	1.6	6	1.3	7	1.6
Pedal cyclist, other	21	5.4	116	28.5	207	51.0	85	20.0	32	7.9	30	7.7	33	7.8	35	7.8	34	7.7
Pedestrian, other	10	2.6	10	2.5	14	3.4	5	1.2	.	.	5	1.3	4	.	5	1.1	3	.
Transport, other	11	2.9	29	7.1	71	17.5	149	35.1	112	27.8	106	27.1	69	16.3	77	17.3	63	14.2
Bites & Stings	52	13.5	56	13.8	36	8.9	34	8.0	29	7.2	38	9.7	45	10.6	63	14.1	60	13.5
Other natural/env'tl factors	17	4.4	9	2.2	6	1.5	12	2.8	12	3.0	9	2.3	13	3.1	14	3.1	19	4.3
Overexertion	4	.	6	1.5	31	7.6	119	28.0	88	21.8	110	28.1	134	31.6	158	35.4	168	37.9
Poisoning	215	55.7	44	10.8	69	17.0	464	109.4	477	118.3	521	133.2	639	150.5	838	187.8	631	142.2
Struck by, Against	66	17.1	113	27.8	253	62.3	482	113.6	357	88.6	286	73.1	360	84.8	422	94.6	392	88.3
Suffocation	44	11.4	6	1.5	14	3.4	9	2.1	21	5.2	13	3.3	15	3.5	8	1.8	11	2.5
Other specified and classifiabl	165	42.8	73	17.9	83	20.4	123	29.0	133	33.0	159	40.7	172	40.5	260	58.3	248	55.9
Other specified, NEC	39	10.1	19	4.7	31	7.6	97	22.9	124	30.8	117	29.9	156	36.7	174	39.0	190	42.8
Unspecified	787	17.3	680	176.0	954	234.5	2,075	509.9	2,008	474.1	1,805	448.5	1,982	505.0	2,329	546.9	2,247	503.7

Source: PHC4.

* Per 100,000 population, 1998; totals exclude missing data.

. Rate not calculated, or Empty cell.

Table 7 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Males, Pennsylvania, 1998

	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	157	38.6	102	29.3	70	24.1	55	21.9	50	22.4	45	23.0	30	19.8	30	30.0	12	14.3
Drowning/Submersion	3	.	2	.	1	.	1	.	.	.	1	.	2	.	1	.	1	.
Fall	793	194.9	752	216.1	810	278.3	819	326.4	1,076	482.4	1,580	808.4	2,068	1,362.1	2,303	2,303.1	2,810	3,348.2
Fire/Flame	36	8.8	35	10.1	13	4.5	16	6.4	19	8.5	15	7.7	25	16.5	11	11.0	5	6.0
Hot Object/Scald	33	8.1	30	8.6	27	9.3	18	7.2	20	9.0	21	10.7	14	9.2	20	20.0	16	19.1
Firearm	51	12.5	40	11.5	24	8.2	13	5.2	6	2.7	11	5.6	9	5.9	5	5.0	10	11.9
Machinery	67	16.5	59	17.0	52	17.9	39	15.5	21	9.4	29	14.8	22	14.5	12	12.0	4	.
MV Occupant	349	85.8	293	84.2	217	74.6	218	86.9	209	93.7	258	132.0	236	155.4	193	193.0	122	145.4
MV Motorcyclist	70	17.2	76	21.8	33	11.3	13	5.2	13	5.8	5	2.6	3	.	3	.	1	.
MV Pedal Cyclist	10	2.5	4	.	2	.	4	.	5	2.2	3	.	.	.	.	.	1	.
MV Pedestrian	49	12.0	45	12.9	33	11.3	35	14.0	23	10.3	29	14.8	45	29.6	23	23.0	20	23.8
MV Unspecified	11	2.7	23	6.6	16	5.5	15	6.0	11	4.9	12	6.1	10	6.6	14	14.0	10	11.9
MV Other	7	1.7	2	.	5	1.7	.	.	3	.	2	.	3	.	.	.	3	.
Pedal cyclist, other	28	6.9	26	7.5	10	3.4	11	4.4	12	5.4	8	4.1	4	.	7	7.0	4	.
Pedestrian, other	6	1.5	5	1.4	4	.	2	.	5	2.2	2	.	6	4.0	.	.	2	.
Transport, other	59	14.5	47	13.5	43	14.8	13	5.2	26	11.7	21	10.7	19	12.5	19	19.0	13	15.5
Bites & Stings	58	14.3	46	13.2	31	10.7	25	10.0	26	11.7	28	14.3	30	19.8	12	12.0	6	7.1
Other natural/env'tl factors	26	6.4	22	6.3	13	4.5	21	8.4	18	8.1	25	12.8	31	20.4	20	20.0	22	26.2
Overexertion	117	28.8	117	33.6	108	37.1	70	27.9	74	33.2	73	37.4	68	44.8	38	38.0	32	38.1
Poisoning	499	122.7	310	89.1	195	67.0	126	50.2	123	55.1	114	58.3	111	73.1	77	77.0	58	69.1
Struck by, Against	243	59.7	172	49.4	103	35.4	64	25.5	67	30.0	75	38.4	59	38.9	26	26.0	27	32.2
Suffocation	11	2.7	11	3.2	10	3.4	14	5.6	26	11.7	52	26.6	53	34.9	47	47.0	23	27.4
Other specified and classifiabl	205	50.4	150	43.1	131	45.0	119	47.4	93	41.7	133	68.1	127	83.6	108	108.0	82	97.7
Other specified, NEC	107	26.3	70	20.1	61	21.0	51	20.3	45	20.2	43	22.0	35	23.1	36	36.0	24	28.6
Unspecified	1,701	385.3	1,446	360.0	1,186	345.9	1,062	369.9	1,170	470.7	1,517	687.0	1,741	908.2	1,683	1,138.9	1,232	1,866.7

Source: PHC4.

* Per 100,000 population, 1998; totals exclude missing data.

. Rate not calculated, or Empty cell.

Table 8 Cause of Hospitalization by Age Group (0-44), Number and Rate, Females, Pennsylvania, 1998

	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	6.8	36	9.3	52	13.4	125	30.0	95	24.0	112	29.5	98	23.2	114	25.1	89	19.5
Drowning/Submersion	13	3.5	3	.	6	1.5	1	.	1	.	.	.	3	.	2	.	2	.
Fall	287	78.3	292	75.7	190	49.1	217	52.1	190	47.9	224	59.1	318	75.2	422	92.9	543	118.8
Fire/Flame	11	3.0	10	2.6	9	2.3	17	4.1	10	2.5	15	4.0	20	4.7	15	3.3	15	3.3
Hot Object/Scald	99	27.0	14	3.6	13	3.4	10	2.4	11	2.8	16	4.2	19	4.5	26	5.7	29	6.3
Firearm	2	.	2	.	7	1.8	29	7.0	32	8.1	22	5.8	27	6.4	19	4.2	14	3.1
Machinery	5	1.4	3	.	2	.	4	.	9	2.3	6	1.6	7	1.7	13	2.9	12	2.6
MV Occupant	56	15.3	89	23.1	92	23.8	604	145.0	469	118.3	409	107.9	384	90.8	366	80.6	324	70.9
MV Motorcyclist	1	.	1	.	2	.	11	2.6	9	2.3	19	5.0	12	2.8	16	3.5	15	3.3
MV Pedal Cyclist	.	.	17	4.4	13	3.4	2	.	1	.	5	1.3	1	.	5	1.1	1	.
MV Pedestrian	19	5.2	59	15.3	54	13.9	46	11.0	15	3.8	31	8.2	27	6.4	28	6.2	32	7.0
MV Unspecified	1	.	.	.	.	.	15	3.6	16	4.0	15	4.0	19	4.5	14	3.1	23	5.0
MV Other	2	.	.	.	2	.	7	1.7	3	.	2	.	6	1.4	1	.	4	.
Pedal cyclist, other	8	2.2	49	12.7	45	11.6	10	2.4	4	.	13	3.4	9	2.1	10	2.2	8	1.8
Pedestrian, other	4	.	2	.	5	1.3	2	.	3	.	1	.	2	.	1	.	1	.
Transport, other	9	2.5	20	5.2	29	7.5	29	7.0	37	9.3	26	6.9	39	9.2	45	9.9	44	9.6
Bites & Stings	55	15.0	35	9.1	26	6.7	18	4.3	28	7.1	21	5.5	28	6.6	40	8.8	50	10.9
Other natural/env'tl factors	14	3.8	10	2.6	7	1.8	6	1.4	9	2.3	6	1.6	6	1.4	8	1.8	9	2.0
Overexertion	2	.	5	1.3	26	6.7	64	15.4	39	9.8	40	10.5	54	12.8	53	11.7	84	18.4
Poisoning	142	38.7	26	6.7	228	58.9	874	209.8	592	149.3	656	173.0	778	183.9	925	203.6	822	179.9
Struck by, Against	33	9.0	32	8.3	56	14.5	103	24.7	78	19.7	72	19.0	99	23.4	109	24.0	73	16.0
Suffocation	42	11.5	1	.	3	.	7	1.7	7	1.8	4	.	5	1.2	8	1.8	5	1.1
Other specified and classifiabl	108	29.5	45	11.7	38	9.8	54	13.0	63	15.9	109	28.7	114	26.9	135	29.7	103	22.5
Other specified, NEC	28	7.6	18	4.7	13	3.4	42	10.1	36	9.1	39	10.3	43	10.2	54	11.9	48	10.5
Unspecified	520	141.8	400	103.6	482	124.5	1,227	294.4	935	235.7	997	262.8	1,165	275.4	1,325	291.6	1,307	286.0

Source: PHC4.

* Per 100,000 population, 1998; totals exclude missing data.

. Rate not calculated, or Empty cell.

Table 9 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Females, Pennsylvania, 1998

	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	12.7	37	10.0	31	9.7	20	6.9	21	7.5	25	9.2	23	9.7	21	11.9	25	13.4
Drowning/Submersion	2	.	.	.	.	.	1	.	.	.	1	.	.	.	.	.	1	.
Fall	644	151.3	811	218.9	881	276.8	1,149	398.7	1,880	670.5	3,476	1,282.0	5,275	2,232.1	6,626	3,763.2	10,966	5,890.9
Fire/Flame	18	4.2	13	3.5	12	3.8	11	3.8	11	3.9	19	7.0	20	8.5	12	6.8	13	7.0
Hot Object/Scald	19	4.5	24	6.5	16	5.0	25	8.7	30	10.7	24	8.9	32	13.5	28	15.9	33	17.7
Firearm	2	.	4	.	4	.	.	.	2	.	3	.	.	.	1	.	1	.
Machinery	7	1.6	4	.	2	.	4	.	4	.	4	.	4	.	3	.	2	.
MV Occupant	294	69.1	248	66.9	249	78.2	203	70.4	246	87.7	328	121.0	362	153.2	215	122.1	129	69.3
MV Motorcyclist	13	3.1	9	2.4	4	.	3	.	4	.	3	.	3	.	1	.	1	.
MV Pedal Cyclist	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.
MV Pedestrian	34	8.0	32	8.6	30	9.4	21	7.3	36	12.8	32	11.8	50	21.2	31	17.6	27	14.5
MV Unspecified	14	3.3	14	3.8	14	4.4	7	2.4	10	3.6	19	7.0	15	6.3	9	5.1	5	2.7
MV Other	1	.	3	.	1	.	1	.	1	.	2	.	1	.	.	.	2	.
Pedal cyclist, other	8	1.9	11	3.0	4	.	9	3.1	4	.	2	.	3	.	1	.	1	.
Pedestrian, other	2	.	.	.	2	.	2	.	4	.	6	2.2	3	.	4	.	2	.
Transport, other	33	7.8	22	5.9	15	4.7	10	3.5	15	5.4	24	8.9	27	11.4	21	11.9	23	12.4
Bites & Stings	55	12.9	56	15.1	46	14.5	30	10.4	34	12.1	52	19.2	40	16.9	28	15.9	27	14.5
Other natural/env'tl factors	8	1.9	12	3.2	13	4.1	10	3.5	17	6.1	24	8.9	25	10.6	29	16.5	35	18.8
Overexertion	85	20.0	81	21.9	68	21.4	73	25.3	94	33.5	119	43.9	130	55.0	108	61.3	97	52.1
Poisoning	477	112.0	347	93.7	205	64.4	129	44.8	169	60.3	184	67.9	183	77.4	131	74.4	141	75.7
Struck by, Against	51	12.0	38	10.3	33	10.4	36	12.5	42	15.0	54	19.9	71	30.0	80	45.4	88	47.3
Suffocation	9	2.1	7	1.9	9	2.8	19	6.6	23	8.2	32	11.8	67	28.4	40	22.7	62	33.3
Other specified and classifiabl	106	24.9	70	18.9	82	25.8	93	32.3	119	42.4	146	53.8	168	71.1	156	88.6	177	95.1
Other specified, NEC	37	8.7	39	10.5	34	10.7	26	9.0	22	7.8	44	16.2	53	22.4	34	19.3	57	30.6
Unspecified	1,116	262.1	1,101	297.2	1,030	323.6	1,116	387.2	1,621	578.2	2,609	962.0	3,643	1,541.3	4,225	2,399.3	6,545	3,515.7

Source: PHC4.

* Per 100,000 population, 1998; totals exclude missing data.

. Rate not calculated, or Empty cell.

Table 10 Cause of Hospitalization by Age Group (0-44), Number and Rate, White Race, Pennsylvania, 1998

	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	36	6.3	57	8.8	81	11.9	222	32.7	256	44.3	193	29.9	201	28.5	243	29.3	196	22.9
Drowning/Submersion	22	3.8	5	.8	7	1.0	3	.	4	.	1	.	6	.8	4	.	3	.
Fall	482	84.3	520	80.0	490	72.3	484	71.3	361	62.5	446	69.2	619	87.6	866	104.3	1,032	120.5
Fire/Flame	21	3.7	20	3.1	29	4.3	34	5.0	37	6.4	30	4.7	42	5.9	47	5.7	35	4.1
Hot Object/Scald	121	21.2	19	2.9	16	2.4	22	3.2	23	4.0	37	5.7	54	7.6	49	5.9	52	6.1
Firearm	1	.	2	.	29	4.3	61	9.0	61	10.6	45	7.0	44	6.2	49	5.9	33	3.9
Machinery	11	1.9	8	1.2	14	2.1	37	5.5	76	13.2	57	8.8	68	9.6	68	8.2	83	9.7
MV Occupant	86	15.0	123	18.9	162	23.9	1,264	186.2	947	163.9	718	111.4	697	98.7	648	78.1	621	72.5
MV Motorcyclist	1	.	3	.	15	2.2	69	10.2	101	17.5	115	17.8	104	14.7	118	14.2	103	12.0
MV Pedal Cyclist	1	.	43	6.6	73	10.8	22	3.2	6	1.0	12	1.9	14	2.0	20	2.4	10	1.2
MV Pedestrian	35	6.1	70	10.8	96	14.2	72	10.6	38	6.6	42	6.5	34	4.8	53	6.4	57	6.7
MV Unspecified	2	.	1	.	3	.	32	4.7	33	5.7	29	4.5	31	4.4	36	4.3	40	4.7
MV Other	1	.	2	.	5	.7	11	1.6	9	1.6	5	.8	11	1.6	4	.	7	.8
Pedal cyclist, other	20	3.5	119	18.3	199	29.4	69	10.2	24	4.2	30	4.7	30	4.2	31	3.7	34	4.0
Pedestrian, other	9	1.6	7	1.1	10	1.5	4	.	3	.	5	.8	6	.8	6	.7	2	.
Transport, other	17	3.0	44	6.8	88	13.0	144	21.2	132	22.8	112	17.4	91	12.9	102	12.3	88	10.3
Bites & Stings	82	14.3	69	10.6	38	5.6	37	5.5	40	6.9	41	6.4	58	8.2	71	8.6	85	9.9
Other natural/env'tl factors	15	2.6	15	2.3	10	1.5	14	2.1	12	2.1	12	1.9	13	1.8	18	2.2	18	2.1
Overexertion	5	.9	10	1.5	43	6.3	155	22.8	100	17.3	109	16.9	139	19.7	157	18.9	213	24.9
Poisoning	197	34.5	38	5.8	218	32.2	1,025	151.0	743	128.6	797	123.6	985	139.4	1,177	141.8	1,046	122.1
Struck by, Against	62	10.8	110	16.9	239	35.3	389	57.3	263	45.5	187	29.0	267	37.8	279	33.6	241	28.1
Suffocation	58	10.1	6	.9	16	2.4	11	1.6	18	3.1	12	1.9	15	2.1	12	1.4	11	1.3
Other specified and classifiabl	148	25.9	73	11.2	100	14.7	140	20.6	146	25.3	197	30.6	225	31.8	301	36.3	260	30.4
Other specified, NEC	39	6.8	20	3.1	28	4.1	73	10.8	76	13.2	67	10.4	98	13.9	123	14.8	123	14.4
Unspecified	796	139.2	710	109.2	1,059	156.1	2,350	346.2	1,893	327.6	1,814	281.3	2,117	299.7	2,487	299.6	2,512	293.2

Source: PHC4.

* Per 100,000 population, 1998; totals exclude missing data.

. Rate not calculated, or Empty cell.

Table 11 Cause of Hospitalization by Age Group (45-85+), Number and Rate, White Race, Pennsylvania, 1998

	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	141	18.8	98	15.5	69	13.5	48	10.9	52	11.5	63	14.0	41	10.8	43	16.8	32	15.5
Drowning/Submersion	4	.	1	.	1	.	1	.	.	.	2	.	2	.	1	.	2	.
Fall	1,064	142.2	1,215	191.8	1,338	261.4	1,561	354.7	2,451	543.0	4,294	952.2	6,337	1,669.7	7,813	3,043.6	11,961	5,794.9
Fire/Flame	35	4.7	33	5.2	16	3.1	21	4.8	24	5.3	19	4.2	40	10.5	19	7.4	16	7.8
Hot Object/Scald	37	4.9	33	5.2	31	6.1	35	8.0	44	9.7	32	7.1	41	10.8	37	14.4	45	21.8
Firearm	24	3.2	23	3.6	12	2.3	11	2.5	4	.	10	2.2	8	2.1	2	.	3	.
Machinery	55	7.3	51	8.1	45	8.8	36	8.2	24	5.3	31	6.9	24	6.3	15	5.8	6	2.9
MV Occupant	467	62.4	399	63.0	355	69.4	331	75.2	362	80.2	485	107.5	514	135.4	369	143.7	207	100.3
MV Motorcyclist	70	9.4	74	11.7	32	6.3	14	3.2	15	3.3	7	1.6	5	1.3	4	.	.	.
MV Pedal Cyclist	8	1.1	2	.	2	.	4	.	3	.	2	.	.	.	.	.	.	.
MV Pedestrian	52	6.9	46	7.3	41	8.0	26	5.9	42	9.3	39	8.6	75	19.8	42	16.4	36	17.4
MV Unspecified	20	2.7	26	4.1	24	4.7	18	4.1	15	3.3	25	5.5	23	6.1	22	8.6	13	6.3
MV Other	6	.8	4	.	6	1.2	1	.	2	.	2	.	3	.	.	.	4	.
Pedal cyclist, other	23	3.1	32	5.1	13	2.5	20	4.5	14	3.1	9	2.0	7	1.8	7	2.7	3	.
Pedestrian, other	5	.7	3	.	4	.	4	.	8	1.8	5	1.1	8	2.1	3	.	4	.
Transport, other	82	11.0	60	9.5	48	9.4	19	4.3	38	8.4	43	9.5	44	11.6	36	14.0	33	16.0
Bites & Stings	88	11.8	87	13.7	63	12.3	46	10.5	55	12.2	68	15.1	55	14.5	31	12.1	27	13.1
Other natural/env'tl factors	22	2.9	23	3.6	22	4.3	23	5.2	24	5.3	41	9.1	38	10.0	38	14.8	44	21.3
Overexertion	166	22.2	182	28.7	160	31.3	128	29.1	147	32.6	167	37.0	181	47.7	126	49.1	120	58.1
Poisoning	655	87.5	455	71.8	287	56.1	182	41.4	212	47.0	229	50.8	245	64.6	185	72.1	156	75.6
Struck by, Against	166	22.2	140	22.1	101	19.7	77	17.5	69	15.3	106	23.5	112	29.5	94	36.6	93	45.1
Suffocation	17	2.3	13	2.1	15	2.9	28	6.4	41	9.1	73	16.2	102	26.9	79	30.8	74	35.9
Other specified and classifiabl	233	31.1	184	29.0	165	32.2	178	40.5	175	38.8	242	53.7	248	65.3	234	91.2	231	111.9
Other specified, NEC	88	11.8	72	11.4	73	14.3	53	12.0	56	12.4	70	15.5	65	17.1	62	24.2	59	28.6
Unspecified	1,999	267.1	1,950	307.8	1,728	337.5	1,717	390.1	2,271	503.0	3,474	770.3	4,613	1,215.4	5,166	2,012.5	7,251	3,512.8

Source: PHC4.

* Per 100,000 population, 1998; totals exclude missing data.

. Rate not calculated, or Empty cell.

Table 12 Cause of Hospitalization by Age Group (0-44), Number and Rate, Black Race, Pennsylvania, 1998

	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	15.8	25	22.7	21	21.0	69	73.6	74	93.8	86	100.9	84	96.7	86	92.9	78	88.5
Drowning/Submersion	4	.	2	.	2	.	4	.	.	.	.	.	.	.	.	.	.	.
Fall	106	111.5	91	82.8	79	79.1	78	83.2	72	91.2	75	88.0	144	165.9	152	164.2	172	195.1
Fire/Flame	10	10.5	7	6.4	5	5.0	6	6.4	2	.	8	9.4	10	11.5	12	13.0	13	14.7
Hot Object/Scald	77	81.0	11	10.0	7	7.0	6	6.4	10	12.7	9	10.6	8	9.2	26	28.1	9	10.2
Firearm	8	8.4	5	4.5	10	10.0	213	227.2	289	366.2	159	186.5	91	104.8	69	74.5	66	74.9
Machinery	1	.	.	.	.	.	2	.	7	8.9	7	8.2	7	8.1	9	9.7	5	5.7
MV Occupant	19	20.0	25	22.7	37	37.0	97	103.5	145	183.7	122	143.1	115	132.5	102	110.2	88	99.8
MV Motorcyclist	1	.	2	.	1	.	18	19.2	24	30.4	21	24.6	13	15.0	4	.	2	.
MV Pedal Cyclist	1	.	19	17.3	20	20.0	8	8.5	2	.	4	.	5	5.8	7	7.6	5	5.7
MV Pedestrian	27	28.4	72	65.5	41	41.0	23	24.5	20	25.3	27	31.7	25	28.8	22	23.8	27	30.6
MV Unspecified	.	.	1	.	2	.	5	5.3	4	.	4	.	2	.	3	.	3	.
MV Other	.	.	1	.	.	.	.	.	1	.	.	.	1	.	1	.	2	.
Pedal cyclist, other	3	.	26	23.6	21	21.0	10	10.7	5	6.3	2	.	4	.	7	7.6	4	.
Pedestrian, other	2	.	4	.	6	6.0	2	.	.	.	.	.	.	.	.	.	1	.
Transport, other	2	.	.	.	3	.	10	10.7	5	6.3	3	.	3	.	3	.	6	6.8
Bites & Stings	9	9.5	13	11.8	10	10.0	5	5.3	7	8.9	7	8.2	8	9.2	20	21.6	11	12.5
Other natural/env'tl factors	12	12.6	1	.	.	.	2	.	2	.	3	.	4	.	2	.	7	7.9
Overexertion	1	.	1	.	8	8.0	9	9.6	15	19.0	14	16.4	24	27.6	33	35.6	20	22.7
Poisoning	94	98.9	12	10.9	29	29.0	121	129.1	145	183.7	200	234.6	248	285.6	346	373.7	258	292.7
Struck by, Against	21	22.1	22	20.0	37	37.0	122	130.2	107	135.6	105	123.2	130	149.7	172	185.8	161	182.6
Suffocation	16	16.8	1	.	.	.	2	.	4	.	4	.	4	.	2	.	3	.
Other specified and classifiabl	81	85.2	31	28.2	6	6.0	18	19.2	20	25.3	35	41.1	36	41.5	48	51.8	38	43.1
Other specified, NEC	16	16.8	11	10.0	11	11.0	41	43.7	53	67.2	62	72.7	60	69.1	61	65.9	73	82.8
Unspecified	278	292.4	200	181.5	184	184.2	473	504.1	545	690.0	524	614.1	564	649.6	663	715.6	591	670.4

Source: PHC4.

* Per 100,000 population, 1998; totals exclude missing data.

. Rate not calculated, or Empty cell.

Table 13 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Black Race, Pennsylvania, 1998

	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	46	63.0	27	48.7	16	35.3	13	33.8	14	36.4	1	.	5	20.2	4	.	.	.
Drowning/Submersion	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Fall	187	256.0	160	288.3	171	377.3	168	436.4	183	476.1	243	765.9	272	1,098.1	251	1,771.7	416	3,188.2
Fire/Flame	10	13.7	9	16.2	7	15.4	2	.	5	13.0	11	34.7	3	.	1	.	2	.
Hot Object/Scald	12	16.4	15	27.0	9	19.9	4	.	4	.	9	28.4	1	.	6	42.4	1	.
Firearm	22	30.1	12	21.6	7	15.4	1	.	2	.	3	.	1	.	2	.	5	38.3
Machinery	7	9.6	4	.	4	.	1	.	.	.	.	.	.	.	.	.	.	.
MV Occupant	77	105.4	50	90.1	37	81.6	33	85.7	29	75.4	35	110.3	23	92.9	8	56.5	8	61.3
MV Motorcyclist	3	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MV Pedal Cyclist	2	.	2	.	1	.	.	.	2	.	.	.	.	.	.	.	.	.
MV Pedestrian	19	26.0	21	37.8	11	24.3	13	33.8	8	20.8	13	41.0	9	36.3	2	.	1	.
MV Unspecified	3	.	5	9.0	3	.	.	.	5	13.0	2	.	1	.	1	.	.	.
MV Other	1	.	.	.	.	.	.	.	2	.	.	.	1	.	.	.	.	.
Pedal cyclist, other	4	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.
Pedestrian, other	1	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Transport, other	3	.	1	.	2	.	2	.	.	.	1	.	2	.	2	.	.	.
Bites & Stings	11	15.1	3	.	4	.	.	.	.	.	4	.	3	.	.	.	3	.
Other natural/env'tl factors	9	12.3	6	10.8	1	.	4	.	8	20.8	6	18.9	11	44.4	7	49.4	6	46.0
Overexertion	18	24.6	9	16.2	8	17.6	7	18.2	9	23.4	4	.	3	.	4	.	.	.
Poisoning	212	290.2	121	218.0	71	156.6	38	98.7	37	96.3	34	107.2	24	96.9	6	42.4	21	160.9
Struck by, Against	90	123.2	46	82.9	21	46.3	11	28.6	21	54.6	8	25.2	7	28.3	1	.	7	53.6
Suffocation	.	.	3	.	2	.	1	.	4	.	6	18.9	8	32.3	4	.	3	.
Other specified and classifiabl	24	32.9	18	32.4	19	41.9	16	41.6	15	39.0	12	37.8	11	44.4	9	63.5	6	46.0
Other specified, NEC	35	47.9	26	46.9	9	19.9	18	46.8	5	13.0	10	31.5	6	24.2	2	.	5	38.3
Unspecified	465	636.6	310	558.6	235	517.3	199	516.9	210	545.0	230	724.9	223	898.3	175	1,235.3	278	2,130.6

Source: PHC4.

* Per 100,000 population, 1998; totals exclude missing data.

. Rate not calculated, or Empty cell.

Table 14 Cause of Hospitalization by Intent, Number and Rate of Hospital Discharges, Pennsylvania, 1998

	Intent										Table Total	
	Unintentional		Self-Inflicted		Assault		Undetermined		Other		Number	Rate*
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*		
Cut/Pierce	1,692	14.1	855	7.1	673	5.6	38	.3	.	.	3,258	27.1
Drowning/Submersion	96	.8	1	.	.	.	2	.	.	.	99	.8
Fall	51,836	431.9	81	.7	14	.1	54	.4	.	.	51,985	433.2
Fire/Flame	688	5.7	25	.2	5	.0	15	.1	.	.	733	6.1
Hot Object/Scald	1,079	9.0	5	.0	8	.1	5	.0	.	.	1,097	9.1
Firearm	336	2.8	128	1.1	1,171	9.8	116	1.0	14	.1	1,765	14.7
Machinery	870	7.2	.	.	.	.	.	.	.	.	870	7.2
MV Occupant	11,443	95.3	.	.	1	.	.	.	.	.	11,444	95.3
MV Motorcyclist	1,079	9.0	.	.	.	.	.	.	.	.	1,079	9.0
MV Pedal Cyclist	351	2.9	.	.	.	.	.	.	.	.	351	2.9
MV Pedestrian	1,588	13.2	.	.	.	.	.	.	.	.	1,588	13.2
MV Unspecified	511	4.3	.	.	.	.	.	.	.	.	511	4.3
MV Other	102	.8	16	.1	.	.	2	.	.	.	120	1.0
Pedal cyclist, other	902	7.5	.	.	.	.	.	.	.	.	902	7.5
Pedestrian, other	134	1.1	.	.	.	.	.	.	.	.	134	1.1
Transport, other	1,416	11.8	.	.	.	.	.	.	.	.	1,416	11.8
Bites & Stings	1,344	11.2	.	.	.	.	.	.	.	.	1,344	11.2
Other natural/env'tl factors	549	4.6	1	.	.	.	7	.1	.	.	557	4.6
Overexertion	2,737	22.8	.	.	.	.	.	.	.	.	2,737	22.8
Poisoning	4,567	38.1	7,137	59.5	13	.1	803	6.7	.	.	12,520	104.3
Struck by, Against	2,789	23.2	.	.	1,902	15.8	.	.	24	.2	4,715	39.3
Suffocation	652	5.4	75	.6	6	.0	5	.0	.	.	738	6.1
Other specified and classifiabl	4,133	34.4	28	.2	254	2.1	3	.	32	.3	4,450	37.1
Other specified, NEC	1,082	9.0	138	1.1	570	4.7	283	2.4	13	.1	2,086	17.4
Unspecified	5,789	48.2	70	.6	401	3.3	65	.5	3	.	6,328	52.7
Table Total	97,765	814.6	8,560	71.3	5,018	41.8	1,398	11.6	86	.7	112,827	940.0

Source: PHC4.

* Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1	.	0	.	1	.
5-9	5	1.2	0	.	5	.6
10-14	21	5.2	4	.	25	3.2
15-19	42	9.9	11	2.6	53	6.3
20-24	38	9.4	7	1.8	45	5.6
25-29	23	5.9	6	1.6	29	3.8
30-34	30	7.1	11	2.6	41	4.8
35-39	30	6.7	11	2.4	41	4.6
40-44	34	7.7	13	2.8	47	5.2
45-49	22	5.4	11	2.6	33	4.0
50-54	23	6.6	10	2.7	33	4.6
55-59	19	6.5	6	1.9	25	4.1
60-64	10	4.0	3	.	13	2.4
65-69	16	7.2	5	1.8	21	4.2
70-74	15	7.7	13	4.8	28	6.0
75-79	28	18.4	17	7.2	45	11.6
80-84	14	14.0	7	4.0	21	7.6
85+	12	14.3	12	6.4	24	8.9
All Ages	383	6.6	147	2.4	530	4.4

Source: PHC4.

* Includes late effects and cases outside ICD-CM-9 codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	363	94.1	220	60.0	583	77.5
5-9	268	65.9	154	39.9	422	53.2
10-14	377	92.8	152	39.3	529	66.7
15-19	962	226.7	408	97.9	1,370	162.9
20-24	859	213.1	270	68.1	1,129	141.2
25-29	627	160.4	241	63.6	868	112.7
30-34	628	147.9	236	55.8	864	101.9
35-39	629	141.0	242	53.3	871	96.7
40-44	579	130.5	233	51.0	812	90.2
45-49	429	105.5	186	43.7	615	73.9
50-54	337	96.9	159	42.9	496	69.0
55-59	262	90.0	161	50.6	423	69.4
60-64	262	104.4	157	54.5	419	77.7
65-69	268	120.1	208	74.2	476	94.6
70-74	354	181.1	351	129.5	705	151.1
75-79	367	241.7	491	207.8	858	221.0
80-84	378	378.0	527	299.3	905	327.8
85+	373	444.4	787	422.8	1,160	429.5
All Ages	8,322	143.9	5,183	83.3	13,505	112.5

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	6	1.6	8	2.2	14	1.9
5-9	8	2.0	6	1.6	14	1.8
10-14	20	4.9	9	2.3	29	3.7
15-19	22	5.2	8	1.9	30	3.6
20-24	19	4.7	7	1.8	26	3.3
25-29	19	4.9	11	2.9	30	3.9
30-34	39	9.2	11	2.6	50	5.9
35-39	42	9.4	17	3.7	59	6.6
40-44	69	15.6	29	6.3	98	10.9
45-49	70	17.2	44	10.3	114	13.7
50-54	84	24.1	96	25.9	180	25.1
55-59	98	33.7	119	37.4	217	35.6
60-64	136	54.2	217	75.3	353	65.5
65-69	214	95.9	451	160.9	665	132.1
70-74	410	209.8	1,081	398.7	1,491	319.6
75-79	638	420.2	1,950	825.1	2,588	666.7
80-84	778	778.0	2,751	1,562.4	3,529	1,278.3
85+	1,117	1,331.0	4,850	2,605.4	5,967	2,209.4
All Ages	3,789	65.5	11,665	187.6	15,454	128.8

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	416	107.9	287	78.3	703	93.4
5-9	418	102.8	292	75.7	710	89.6
10-14	457	112.5	190	49.1	647	81.5
15-19	423	99.7	217	52.1	640	76.1
20-24	332	82.4	190	47.9	522	65.3
25-29	411	105.1	224	59.1	635	82.4
30-34	557	131.2	318	75.2	875	103.2
35-39	732	164.1	422	92.9	1,154	128.2
40-44	836	188.4	543	118.8	1,379	153.1
45-49	793	194.9	644	151.3	1,437	172.6
50-54	752	216.1	811	218.9	1,563	217.6
55-59	810	278.3	881	276.8	1,691	277.5
60-64	819	326.4	1,149	398.7	1,968	365.1
65-69	1,076	482.4	1,880	670.5	2,956	587.2
70-74	1,580	808.4	3,476	1,282.0	5,056	1,083.6
75-79	2,068	1,362.1	5,275	2,232.1	7,343	1,891.8
80-84	2,303	2,303.1	6,626	3,763.2	8,929	3,234.3
85+	2,810	3,348.2	10,966	5,890.9	13,776	5,100.8
All Ages	17,593	304.2	34,391	553.0	51,984	433.1

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	24	6.2	8	2.2	32	4.3
5-9	171	42.0	66	17.1	237	29.9
10-14	300	73.8	58	15.0	358	45.1
15-19	120	28.3	12	2.9	132	15.7
20-24	42	10.4	5	1.3	47	5.9
25-29	44	11.3	18	4.7	62	8.0
30-34	55	13.0	10	2.4	65	7.7
35-39	62	13.9	15	3.3	77	8.6
40-44	50	11.3	9	2.0	59	6.6
45-49	38	9.3	9	2.1	47	5.6
50-54	30	8.6	11	3.0	41	5.7
55-59	12	4.1	5	1.6	17	2.8
60-64	15	6.0	9	3.1	24	4.5
65-69	17	7.6	4	.	21	4.2
70-74	11	5.6	2	.	13	2.8
75-79	4	.	3	.	7	1.8
80-84	7	7.0	1	.	8	2.9
85+	5	6.0	1	.	6	2.2
All Ages	1,007	17.4	246	4.0	1,253	10.4

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	215	55.7	142	38.7	357	47.5
5-9	44	10.8	26	6.7	70	8.8
10-14	69	17.0	228	58.9	297	37.4
15-19	464	109.4	874	209.8	1,338	159.1
20-24	477	118.3	592	149.3	1,069	133.7
25-29	521	133.2	656	173.0	1,177	152.8
30-34	639	150.5	778	183.9	1,417	167.2
35-39	838	187.8	925	203.6	1,763	195.8
40-44	631	142.2	822	179.9	1,453	161.3
45-49	499	122.7	477	112.0	976	117.2
50-54	310	89.1	347	93.7	657	91.4
55-59	195	67.0	205	64.4	400	65.6
60-64	126	50.2	129	44.8	255	47.3
65-69	123	55.1	169	60.3	292	58.0
70-74	114	58.3	184	67.9	298	63.9
75-79	111	73.1	183	77.4	294	75.7
80-84	77	77.0	131	74.4	208	75.3
85+	58	69.1	141	75.7	199	73.7
All Ages	5,511	95.3	7,009	112.7	12,520	104.3

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	174	45.1	110	30.0	284	37.7
5-9	45	11.1	24	6.2	69	8.7
10-14	44	10.8	22	5.7	66	8.3
15-19	55	13.0	27	6.5	82	9.8
20-24	65	16.1	21	5.3	86	10.8
25-29	62	15.9	31	8.2	93	12.1
30-34	91	21.4	39	9.2	130	15.3
35-39	111	24.9	41	9.0	152	16.9
40-44	85	19.2	43	9.4	128	14.2
45-49	67	16.5	37	8.7	104	12.5
50-54	65	18.7	37	10.0	102	14.2
55-59	40	13.7	28	8.8	68	11.2
60-64	34	13.6	36	12.5	70	13.0
65-69	39	17.5	41	14.6	80	15.9
70-74	36	18.4	43	15.9	79	16.9
75-79	39	25.7	52	22.0	91	23.4
80-84	31	31.0	40	22.7	71	25.7
85+	21	25.0	46	24.7	67	24.8
All Ages	1,104	19.1	718	11.5	1,822	15.2

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	8	2.1	2	.	10	1.3
5-9	5	1.2	2	.	7	.9
10-14	19	4.7	6	1.5	25	3.2
15-19	299	70.5	26	6.2	325	38.6
20-24	422	104.7	32	8.1	454	56.8
25-29	238	60.9	22	5.8	260	33.8
30-34	154	36.3	27	6.4	181	21.4
35-39	131	29.4	18	4.0	149	16.5
40-44	113	25.5	13	2.8	126	14.0
45-49	49	12.0	2	.	51	6.1
50-54	39	11.2	4	.	43	6.0
55-59	23	7.9	4	.	27	4.4
60-64	13	5.2	0	.	13	2.4
65-69	6	2.7	2	.	8	1.6
70-74	11	5.6	3	.	14	3.0
75-79	9	5.9	0	.	9	2.3
80-84	4	.	1	.	5	1.8
85+	10	11.9	1	.	11	4.1
All Ages	1,553	26.9	165	2.7	1,718	14.3

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1	.	0	.	1	.
5-9	1	.	1	.	2	.
10-14	9	2.6	4	.	13	1.9
15-19	44	12.7	7	2.1	51	7.5
20-24	48	16.5	12	4.2	60	10.4
25-29	35	11.0	10	3.1	45	7.0
30-34	31	8.9	13	3.6	44	6.2
35-39	39	9.4	8	1.9	47	5.7
40-44	27	6.3	6	1.4	33	3.9
45-49	20	5.5	2	.	22	2.9
50-54	20	6.5	2	.	22	3.5
55-59	8	3.3	3	.	11	2.1
60-64	11	5.3	0	.	11	2.5
65-69	3	.	1	.	4	.
70-74	8	4.1	2	.	10	2.2
75-79	8	5.2	0	.	8	2.1
80-84	1	.	0	.	1	.
85+	3	.	0	.	3	.
All Ages	317	6.4	71	1.3	388	3.8

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	6	12.4	2	.	8	8.4
5-9	3	.	1	.	4	.
10-14	8	15.8	1	.	9	9.0
15-19	197	409.3	14	30.7	211	225.1
20-24	277	715.9	12	29.8	289	366.2
25-29	150	369.9	9	20.1	159	186.5
30-34	82	196.3	9	20.0	91	104.8
35-39	61	138.4	8	16.5	69	74.5
40-44	60	145.4	5	10.7	65	73.7
45-49	22	67.7	0	.	22	30.1
50-54	12	50.0	0	.	12	21.6
55-59	7	37.0	0	.	7	15.4
60-64	1	.	0	.	1	.
65-69	2	.	0	.	2	.
70-74	2	.	1	.	3	.
75-79	1	.	0	.	1	.
80-84	1	.	1	.	2	.
85+	4	.	1	.	5	38.3
All Ages	896	163.8	64	10.4	960	82.4

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	100	25.9	57	15.5	157	20.9
5-9	23	5.7	13	3.4	36	4.5
10-14	58	14.3	19	4.9	77	9.7
15-19	546	128.7	106	25.4	652	77.5
20-24	745	184.8	121	30.5	866	108.3
25-29	495	126.6	126	33.2	621	80.6
30-34	492	115.9	156	36.9	648	76.4
35-39	519	116.3	126	27.7	645	71.6
40-44	462	104.1	100	21.9	562	62.4
45-49	222	54.6	49	11.5	271	32.5
50-54	141	40.5	24	6.5	165	23.0
55-59	72	24.7	15	4.7	87	14.3
60-64	42	16.7	8	2.8	50	9.3
65-69	30	13.4	14	5.0	44	8.7
70-74	22	11.3	18	6.6	40	8.6
75-79	11	7.2	15	6.3	26	6.7
80-84	10	10.0	20	11.4	30	10.9
85+	17	20.3	24	12.9	41	15.2
All Ages	4,007	69.3	1,011	16.3	5,018	41.8

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	51	17.3	30	10.8	81	14.2
5-9	13	3.9	5	1.6	18	2.8
10-14	30	8.6	9	2.7	39	5.8
15-19	153	44.2	44	13.2	197	29.0
20-24	218	75.0	48	16.7	266	46.0
25-29	145	45.5	38	11.7	183	28.4
30-34	159	45.6	66	18.4	225	31.8
35-39	158	38.2	45	10.8	203	24.5
40-44	152	35.7	37	8.6	189	22.1
45-49	79	21.6	16	4.2	95	12.7
50-54	54	17.6	12	3.7	66	10.4
55-59	29	11.9	10	3.7	39	7.6
60-64	23	11.1	7	3.0	30	6.8
65-69	13	6.4	9	3.6	22	4.9
70-74	11	5.6	13	5.1	24	5.3
75-79	6	3.9	11	4.9	17	4.5
80-84	8	8.6	15	9.1	23	9.0
85+	6	10.5	16	10.7	22	10.7
All Ages	1,308	26.5	431	8.1	1,739	16.9

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	34	70.4	23	49.2	57	60.0
5-9	8	14.3	6	11.1	14	12.7
10-14	22	43.4	7	14.2	29	29.0
15-19	286	594.1	46	100.9	332	354.2
20-24	366	946.0	59	146.7	425	538.5
25-29	244	601.7	70	156.6	314	368.3
30-34	233	557.7	65	144.3	298	343.2
35-39	252	571.6	65	134.0	317	342.4
40-44	226	547.5	45	96.0	271	307.4
45-49	115	354.1	25	61.6	140	191.7
50-54	67	279.2	7	22.2	74	133.3
55-59	29	153.5	3	.	32	70.6
60-64	10	63.3	1	.	11	28.6
65-69	15	95.3	2	.	17	44.2
70-74	8	62.4	5	26.4	13	41.0
75-79	3	.	2	.	5	20.2
80-84	0	.	3	.	3	.
85+	5	136.0	1	.	6	46.0
All Ages	1,923	351.6	435	70.4	2,358	202.4

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	0	.	0	.	0	.
5-9	2	.	2	.	4	.
10-14	49	12.1	204	52.7	253	31.9
15-19	356	83.9	799	191.8	1,155	137.3
20-24	450	111.6	538	135.7	988	123.6
25-29	422	107.9	566	149.3	988	128.3
30-34	505	118.9	641	151.5	1,146	135.2
35-39	520	116.5	740	162.9	1,260	139.9
40-44	419	94.4	626	137.0	1,045	116.0
45-49	286	70.3	347	81.5	633	76.0
50-54	178	51.2	215	58.0	393	54.7
55-59	76	26.1	119	37.4	195	32.0
60-64	62	24.7	71	24.6	133	24.7
65-69	42	18.8	73	26.0	115	22.8
70-74	42	21.5	42	15.5	84	18.0
75-79	32	21.1	42	17.8	74	19.1
80-84	22	22.0	28	15.9	50	18.1
85+	25	29.8	19	10.2	44	16.3
All Ages	3,488	60.3	5,072	81.6	8,560	71.3

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	0	.	0	.	0	.
5-9	1	.	0	.	1	.
10-14	40	11.5	147	44.5	187	27.6
15-19	271	78.3	596	179.2	867	127.7
20-24	324	111.4	373	130.0	697	120.6
25-29	316	99.2	404	123.9	720	111.7
30-34	368	105.6	481	134.3	849	120.2
35-39	385	93.0	544	130.8	929	111.9
40-44	294	69.1	501	116.2	795	92.8
45-49	208	56.8	265	69.3	473	63.2
50-54	140	45.7	174	53.2	314	49.6
55-59	61	25.0	101	37.8	162	31.7
60-64	48	23.2	60	25.8	108	24.5
65-69	35	17.2	56	22.6	91	20.2
70-74	32	16.4	35	13.7	67	14.9
75-79	29	18.9	36	15.9	65	17.1
80-84	19	20.5	27	16.4	46	17.9
85+	21	36.7	18	12.1	39	18.9
All Ages	2,592	52.4	3,818	71.7	6,410	62.4

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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, 1998

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	0	.	0	.	0	.
5-9	0	.	0	.	0	.
10-14	3	.	18	36.5	21	21.0
15-19	28	58.2	75	164.5	103	109.9
20-24	55	142.2	73	181.5	128	162.2
25-29	55	135.6	74	165.6	129	151.3
30-34	74	177.1	72	159.8	146	168.2
35-39	67	152.0	82	169.1	149	160.9
40-44	65	157.5	68	145.1	133	150.9
45-49	39	120.1	37	91.2	76	104.0
50-54	19	79.2	22	69.8	41	73.9
55-59	5	26.5	4	.	9	19.9
60-64	4	.	3	.	7	18.2
65-69	1	.	4	.	5	13.0
70-74	1	.	3	.	4	.
75-79	0	.	1	.	1	.
80-84	1	.	0	.	1	.
85+	1	.	0	.	1	.
All Ages	418	76.4	536	86.7	954	81.9

Source: PHC4.

* Includes late effects and cases outside ICD-9-CM codes 800-995 with valid E codes.

** Per 100,000 population, 1998; 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 Prevention¹⁹ and the uniform national census age groups, gender, race, total and average charges, severity, 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">▪ 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 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 1998. 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			
1. Cut/pierce	920.0-9	956	966	974; 986
2. Drowning/submersion	830.0-9; 832.0-9 910.0-9	954	964	984
3. Fall	880.0-886.9; 888	957.0-9	968.1	987.0-9
4. Fire/flames	890.0-899	958(.1, .2, .7)	968	988.1
5. Hot object/scald	924.0-9	958.2;.7	961;968.3	988.2;.7
6. Firearm	922.0-9	955.0-.4	965.0-.4	970; 985.0-.4
7. Machinery	919.0-9			
MV-Traffic				
8. Occupant	810-819 (.0,.1)			
9. Motorcyclist	810-819 (.2,.3)			
10. Pedal cyclist	810-819 (.6)			
11. Pedestrian	810-819 (.7)			
12. Unspecified	810-819 (.9)			
13. Other	810-819 (.4, .5, .8)	958.5	968.5	988.5
14. Pedal cyclist, other	800-807(.3); 820-825(.6) 826.1,.9; 827-829 (.1)			
15. Pedestrian, other	800-807 (.2) 820-825 (.7) 826-829 (.0)			
16. 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
17. Bites & stings	905.0-.6,.9 906(.0-.4, .2-.9)			
18. Other natural & environmental factors	900-909 928.0-2	958.3		988.3
19. Overexertion	927			
20. Poisoning	850.0-869.9	950.0-952.9	962.0-9	972; 980.0-982.9
21. Struck by, against	916-917.9		960.0;968.2	973;975
22. Suffocation	911-913.9	953.0-.9	963	983.0-.9
23. 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
24. Other specified, not elsewhere classifiable	928,8, 929.8	958.8, 959	968.8, 969	977, 995, 997.8 998, 999
25. Unspecified	887, 928.9, 929.9	958.9	968.9	976, 997.9

Source: CDC E-code matrix.

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, 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, 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 1998.

Healthy People Year 2000 Objective	Pennsylvania Rate, 1998
Objective 9.2: <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 814.6 per 100,000 people.
Objective 9.2a: <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 1,375.5 per 100,000 people.
Objective 9.7: <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 921.2 per 100,000 people.
Objective 9.7a: <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 2,845.93 per 100,000 people.
Objective 9.9: <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 112.5 per 100,000 people.
Objective 9.10: <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 4.4 per 100,000 people.
Objective 9.10a: <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.

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