

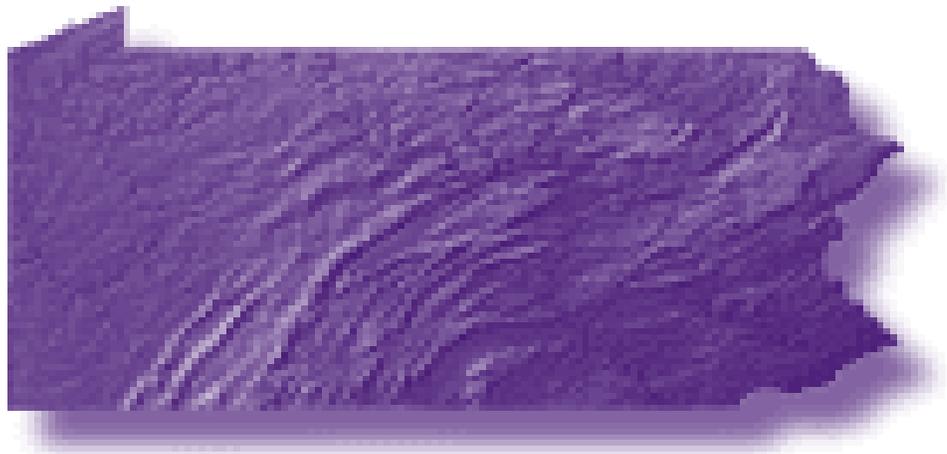
INJURIES IN PENNSYLVANIA

Hospital Discharges 2003

DEPARTMENT OF
HEALTH

Edward G. Rendell, Governor
Calvin B. Johnson, M.D., M.P.H., Secretary of Health

Injuries in Pennsylvania



Hospital Discharges 2003

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Acknowledgments

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Table of Contents

Acknowledgments	ii
Table of Contents	iii
List of Figures	iv
List of Tables	v
List of Abbreviations and Special Symbols.....	vii
Executive Summary	1
Fact Sheet	2
Narrative	3
Overview of Monograph.....	3
Background on the Pennsylvania E-code Project.....	3
Data Source.....	3
Data Limitations	4
Data Analysis	4
Graphical Highlights.....	5
Detailed Tables of Statewide Data.....	10
Appendices	40
Appendix A Technical Notes on Methods.....	40
Appendix B ICD-9-CM Categories	41
Appendix C Categories of Specific Mechanisms	42
Appendix D Diagnostic Categories (ICD-9-CM Diagnosis Codes)	43
Appendix E Healthy People 2010 Objectives.....	44
References	45

List of Figures

Figure 1 Hospital Discharge Rates by Race-Gender and Age Group, Pennsylvania, 2003	5
Figure 2 Hospital Discharges for Top 5 Injury Mechanisms, Pennsylvania, 2003.....	6
Figure 3 Hospital Discharges for Falls by Age Group and Gender, Pennsylvania, 2003.....	7
Figure 4 Hospital Discharges for Motor Vehicle-Related Injuries by Age Group and Gender, Pennsylvania, 2003	8
Figure 5 Hospital Discharges for Poisonings by Age Group and Gender, Pennsylvania, 2003.....	9

List of Tables

Table 1 Hospital Discharges for All Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2003	10
Table 2 Hospital Discharges for All Injuries* by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 2003	11
Table 3 Hospital Discharges for All Injuries* by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 2003	12
Table 4 Cause of Hospitalization by Age Group (0-44), Number and Rate, Pennsylvania, 2003	13
Table 5 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Pennsylvania, 2003	14
Table 6 Cause of Hospitalization by Age Group (0-44), Number and Rate, Males, Pennsylvania, 2003	15
Table 7 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Males, Pennsylvania, 2003	16
Table 8 Cause of Hospitalization by Age Group (0-44), Number and Rate, Females, Pennsylvania, 2003	17
Table 9 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Females, Pennsylvania, 2003	18
Table 10 Cause of Hospitalization by Age Group (0-44), Number and Rate, White Race, Pennsylvania, 2003	19
Table 11 Cause of Hospitalization by Age Group (45-85+), Number and Rate, White Race, Pennsylvania, 2003	20
Table 12 Cause of Hospitalization by Age Group (0-44), Number and Rate, Black Race, Pennsylvania, 2003	21
Table 13 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Black Race, Pennsylvania, 2003	22
Table 14 Cause of Hospitalization by Intent, Number and Rate of Hospital Discharges, Pennsylvania, 2003	23
Table 15 Hospital Discharges for Spinal Cord Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2003	24

Table 16 Hospital Discharges for Head Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2003	25
Table 17 Hospital Discharges for Hip Fractures* by Age Group and Gender, Number and Rate, Pennsylvania, 2003	26
Table 18 Hospital Discharges for Falls* by Age Group and Gender, Number and Rate, Pennsylvania, 2003	27
Table 19 Hospital Discharges for Bicycle Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2003	28
Table 20 Hospital Discharges for Poisonings* by Age Group and Gender, Number and Rate, Pennsylvania, 2003	29
Table 21 Hospital Discharges for Fire & Burn Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2003.....	30
Table 22 Hospital Discharges for Firearm Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2003	31
Table 23 Hospital Discharges for Firearm Injuries* by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 2003	32
Table 24 Hospital Discharges for Firearm Injuries* by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 2003	33
Table 25 Hospital Discharges for Assaults* by Age Group and Gender, Number and Rate, Pennsylvania, 2003	34
Table 26 Hospital Discharges for Assaults* by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 2003	35
Table 27 Hospital Discharges for Assaults* by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 2003	36
Table 28 Hospital Discharges for Self-inflicted Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2003.....	37
Table 29 Hospital Discharges for Self-inflicted Injuries* by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 2003.....	38
Table 30 Hospital Discharges for Self-inflicted Injuries* by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 2003	39

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 mortality data⁴ 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 designed to comprehensively document the hospitalized injury burden to Pennsylvanians.

In 2003, 131,888 reported injury cases to Pennsylvania residents were discharged from hospitals in the Commonwealth of Pennsylvania, a rate of 1,066.6 per 100,000 persons. The leading causes of hospitalized injury were falls, poisonings, and motor vehicle accidents. 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 was elderly whites (85+ years). The rate in males was 1,038.5/100,000 compared to 1,092.6/100,000 for females. The rate for Blacks was 1.13 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 programs 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 2003, a total of 131,888 injury-related hospital discharges were reported by Pennsylvania hospitals, representing an injury hospital discharge rate of 1,066.6 per 100,000 persons.
- Males experienced an overall rate of 1,038.5 per 100,000 persons compared with a female rate of 1,092.6 per 100,000 persons.
- The overall injury rate for Blacks was 1.13 times that for Whites.
- Falls accounted for 48.0% of all injury discharges that were assigned valid E-codes.
- Violence, including self-inflicted injuries and assaults, comprised 10.4% of all injury hospital discharges with rates of 70.3 and 40.6 per 100,000 persons, respectively.
- The hospital discharge rate from assaults for Blacks was over 10.0 times that for Whites.
- Among males aged 20-24 years old, the rate of discharge from a hospital as a result of a firearm-related injury for Blacks is 545.8 per 100,000 compared with 16.5 per 100,000 for Whites.
- The hospital discharge rate for nonfatal spinal cord injuries in Pennsylvania was 5.4/100,000, 2.25 times *higher* than the national target rate set for the Year 2010.
- The hospital discharge rate for nonfatal head injuries in Pennsylvania was 94.8/100,000, 2.11 times *higher* than the national target rate set for the Year 2010.
- For females ages 65 years and older, the hospital discharge rate from hip fractures in Pennsylvania was 972.5 per 100,000, 2.34 times *higher* than the national target rate set for the Year 2010.
- For males ages 65 years and older, the hospital discharge rate from hip fractures in Pennsylvania was 524.8/100,000, 1.11 times *higher* than the national target rate set for the Year 2010.
- The total charges for hospitalized injury discharges in Pennsylvania in 2003 exceeded \$4.20 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 2003 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 includes all 2003 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 2003 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.

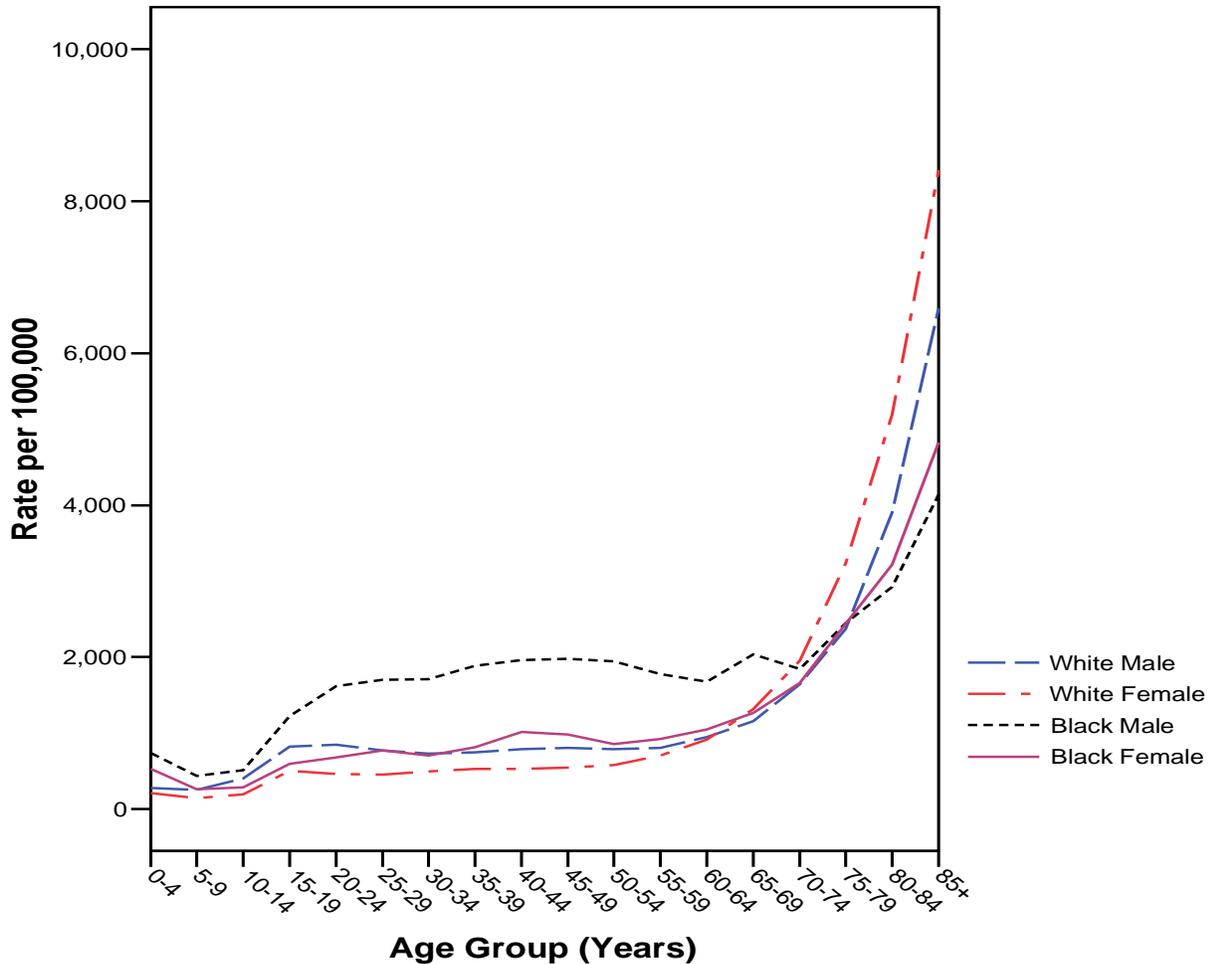
Data Analysis

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 toward 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

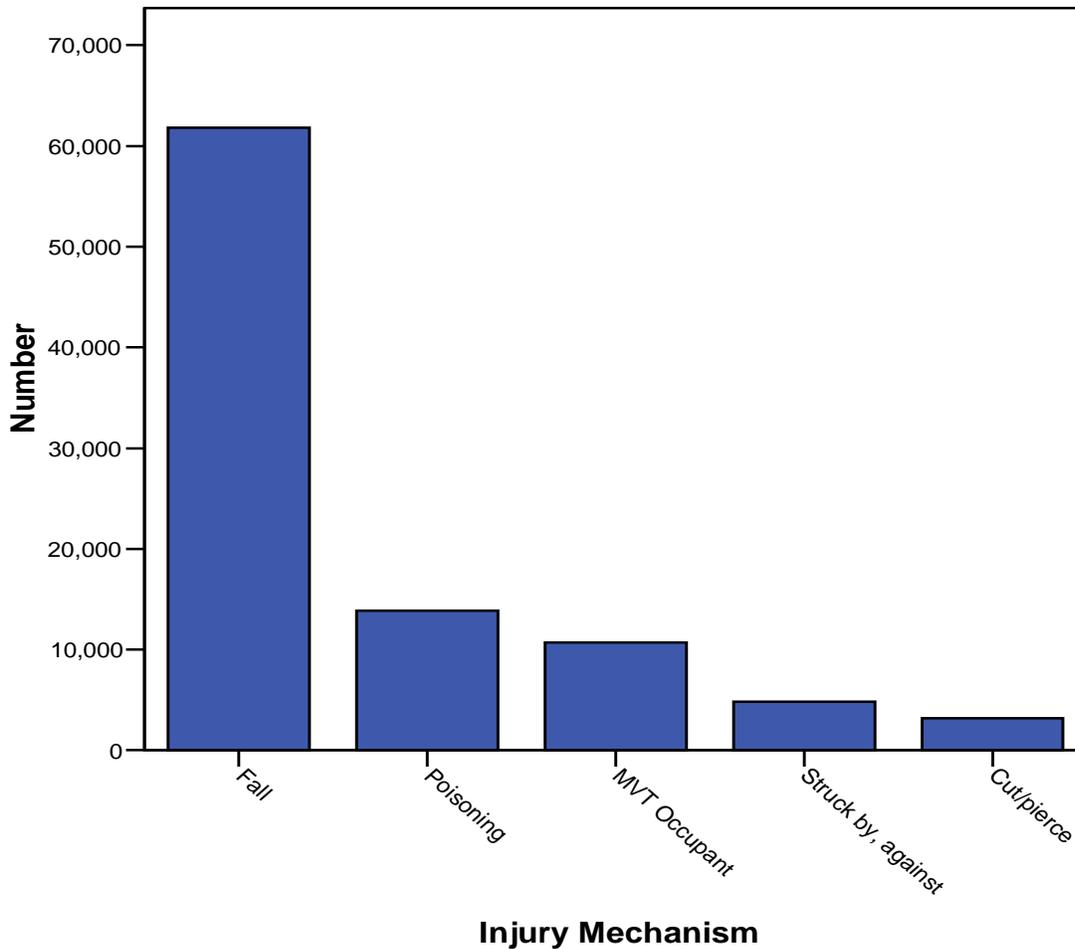
Figure 1 Hospital Discharge Rates by Race-Gender and Age Group, Pennsylvania, 2003



Source: PHC4

- Overall, the injury hospital discharge rate for females (1,092.6 per 100,000 persons) was higher than that for males (1,038.5 per 100,000).
- Among Blacks, 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.
- White males experienced a higher injury hospital discharge rate than white females from birth to age 65 years.
- Overall injury hospital discharge rate for Blacks was 1.13 times that of Whites.

Figure 2 Hospital Discharges for Top 5* Injury Mechanisms, Pennsylvania, 2003

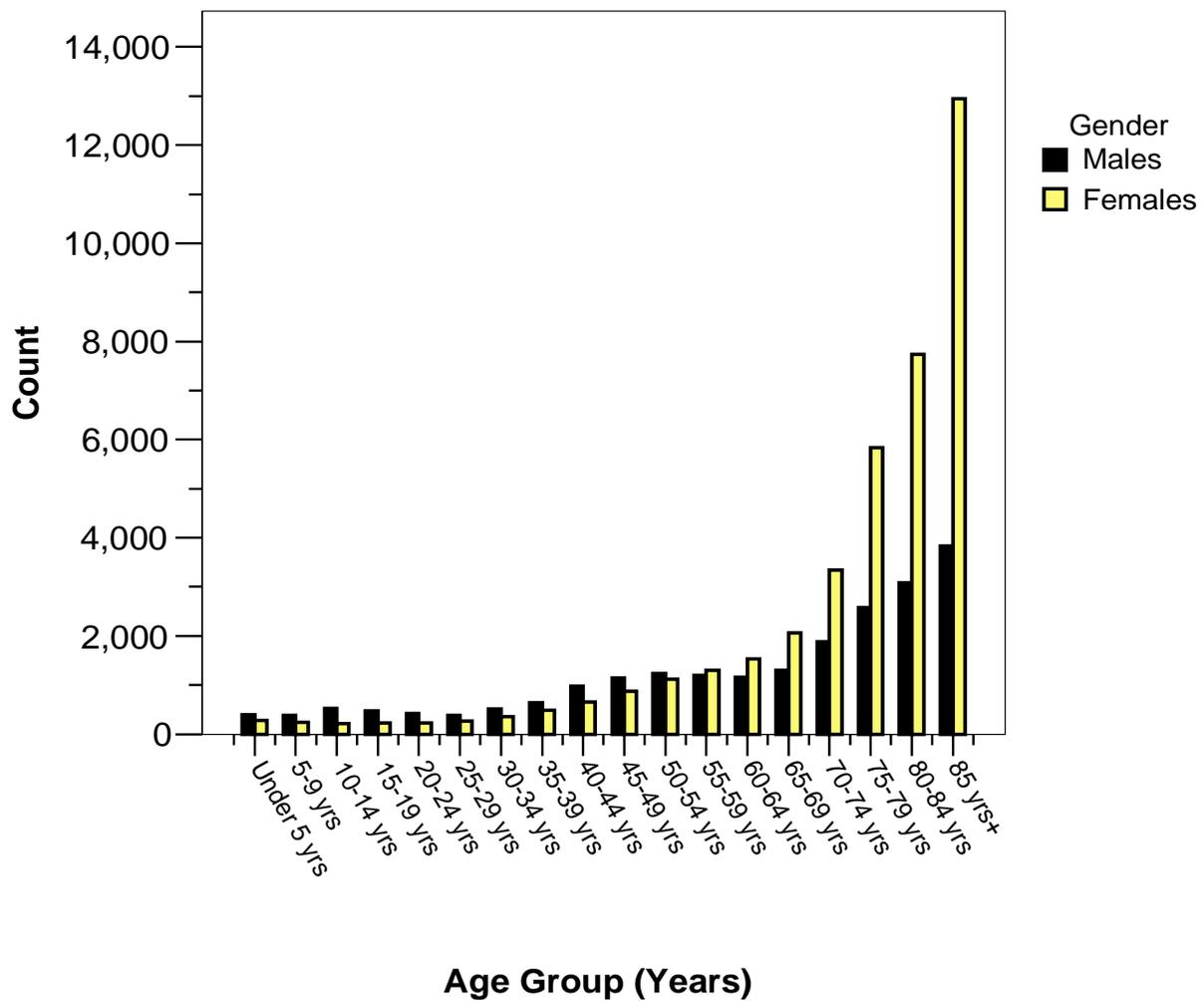


Source: PHC4

- **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 65% of all injury-related hospital discharges among Pennsylvanians.**

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

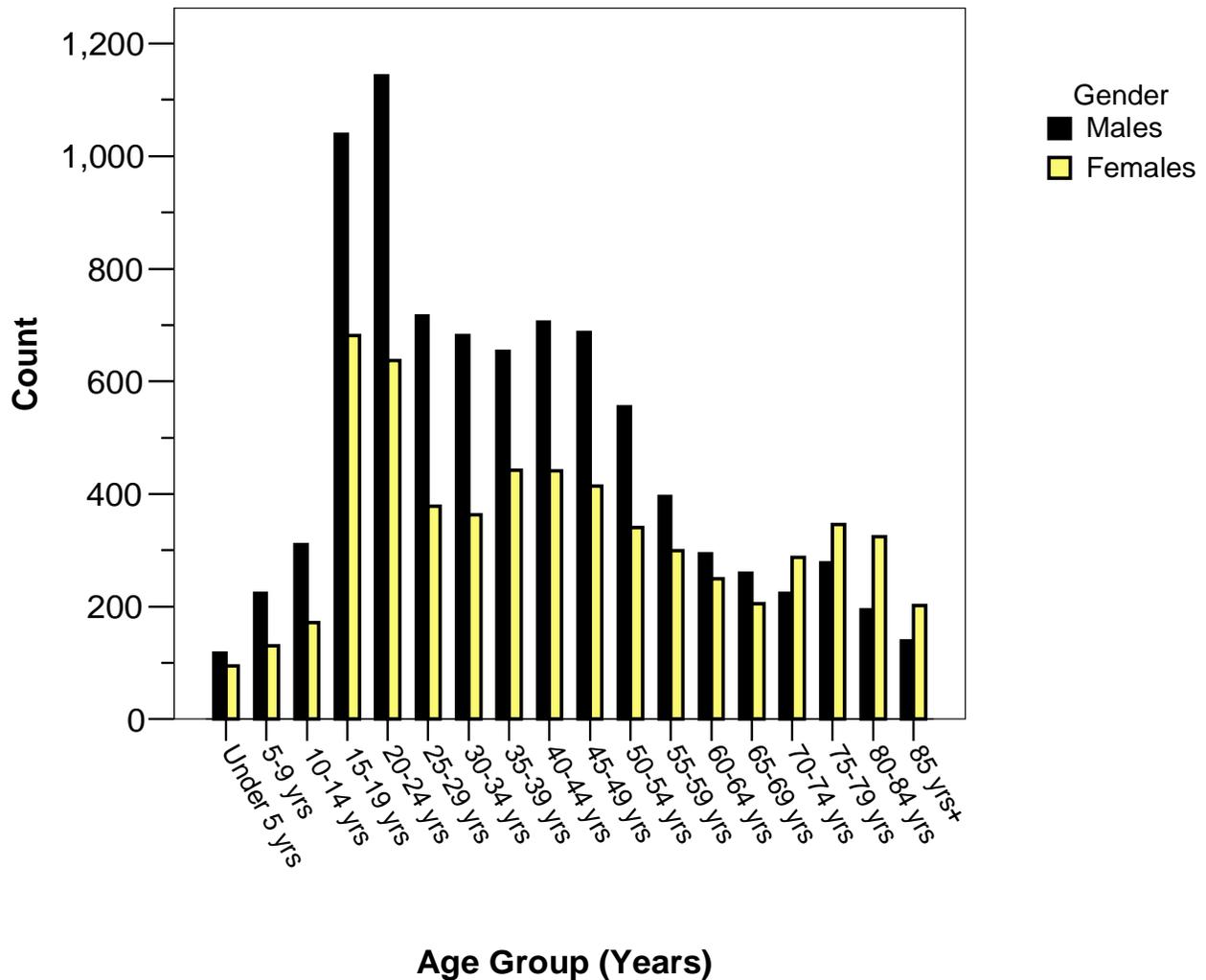
Figure 3 Hospital Discharges for Falls by Age Group and Gender, Pennsylvania, 2003



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.

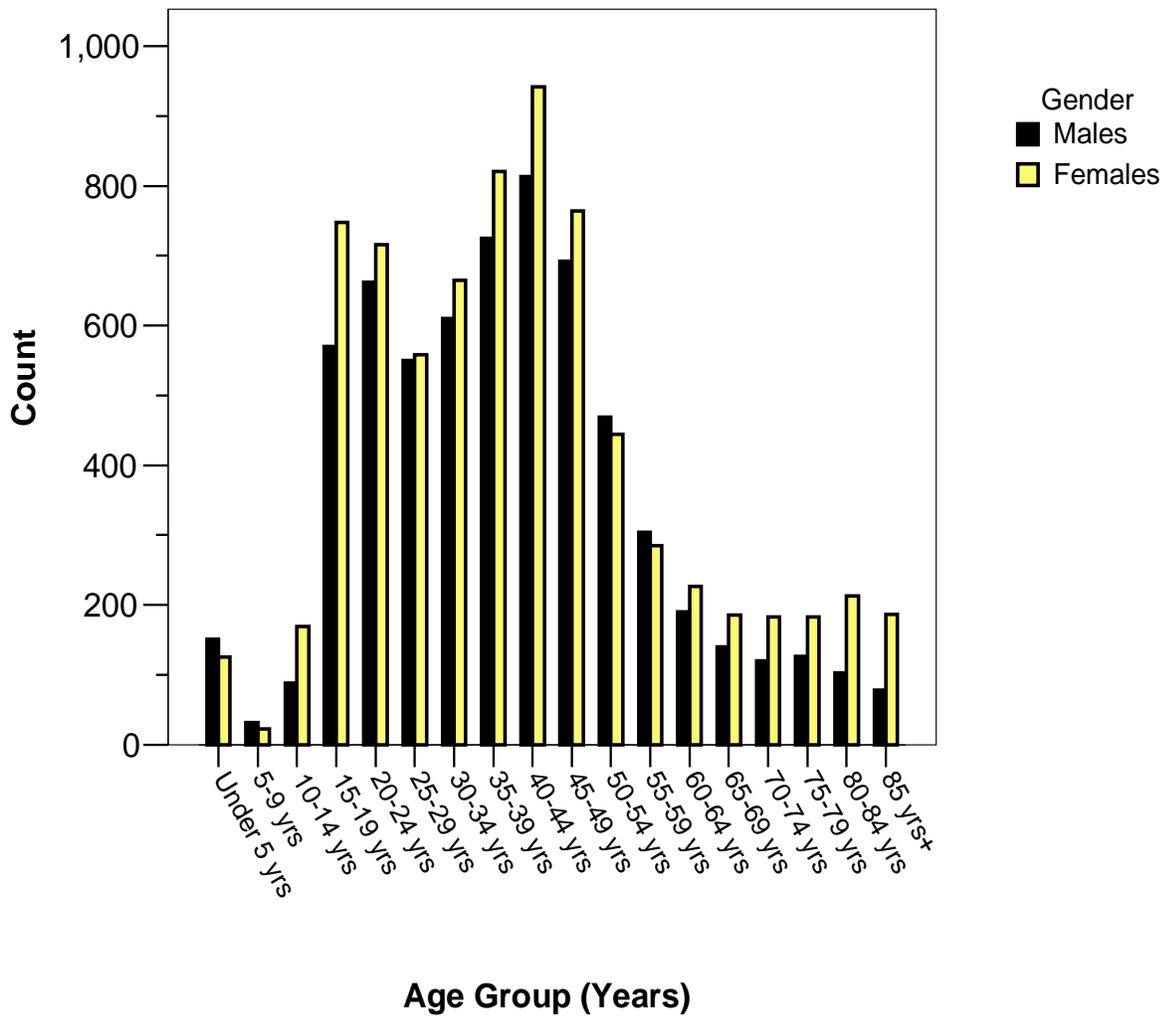
Figure 4 Hospital Discharges for Motor Vehicle-Related Injuries by Age Group and Gender, Pennsylvania, 2003



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 higher frequency of hospital discharges for MVR injuries.
- The greatest disparity in frequency of hospital discharges for MVR injuries occurred among persons aged 20-24 years, with males having a higher frequency than females.

Figure 5 Hospital Discharges for Poisonings by Age Group and Gender, Pennsylvania, 2003



Source: PHC4

- The most frequent hospital discharges from poisonings were among females ages 40-44.
- Among persons under 10 years, the frequency of hospital discharges from poisonings was higher in males.
- The greatest disparity in frequency of poisonings occurred among elderly persons aged 80 years and older with females having a higher frequency than males.

Detailed Tables of Statewide Data

Table 1 Hospital Discharges for All Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1,396	388.1	992	287.6	2,388	338.9
5-9	1,156	299.1	666	180.7	1,822	241.3
10-14	1,933	440.1	940	225.3	2,873	335.5
15-19	4,052	927.5	2,269	548.5	6,321	743.2
20-24	4,302	1,015.2	2,186	519.2	6,488	768.0
25-29	3,317	948.2	1,778	514.7	5,095	732.8
30-34	3,485	893.7	2,095	536.6	5,580	715.1
35-39	3,965	915.4	2,590	585.4	6,555	748.7
40-44	4,627	955.2	2,981	597.5	7,608	773.7
45-49	4,572	947.2	3,005	606.1	7,577	774.4
50-54	3,869	915.8	2,737	625.0	6,606	767.8
55-59	3,190	920.9	2,725	737.1	5,915	826.0
60-64	2,741	1,029.1	2,779	936.8	5,520	980.5
65-69	2,647	1,250.6	3,346	1,337.5	5,993	1,297.7
70-74	3,284	1,697.2	4,963	1,959.8	8,247	1,846.1
75-79	4,131	2,420.4	7,914	3,211.3	12,045	2,887.7
80-84	4,440	3,911.9	10,059	5,125.7	14,499	4,680.9
85+	5,082	6,533.9	15,654	8,300.9	20,736	7,785.0
All Ages	62,189	1,038.5	69,679	1,092.6	131,888	1,066.6

Source: PHC4.

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

** Per 100,000 population, 2003; unknowns included in total.

Table 2 Hospital Discharges for All Injuries* by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	796	273.4	589	211.3	1,385	243.0
5-9	791	250.5	435	145.2	1,226	199.2
10-14	1,443	399.6	671	196.1	2,114	300.6
15-19	2,999	821.1	1,740	503.1	4,739	666.4
20-24	3,030	849.7	1,620	457.9	4,650	654.5
25-29	2,259	772.0	1,288	451.7	3,547	613.9
30-34	2,386	727.1	1,610	495.7	3,996	612.0
35-39	2,796	747.8	2,005	532.0	4,801	639.5
40-44	3,356	788.2	2,279	526.6	5,635	656.3
45-49	3,445	801.0	2,369	544.2	5,814	671.8
50-54	2,977	785.3	2,250	582.3	5,227	682.8
55-59	2,543	809.1	2,335	706.8	4,878	756.7
60-64	2,302	949.3	2,429	913.5	4,731	930.6
65-69	2,227	1,154.5	2,961	1,318.8	5,188	1,242.9
70-74	2,939	1,644.5	4,494	1,949.6	7,433	1,816.3
75-79	3,777	2,372.0	7,350	3,229.8	11,127	2,876.6
80-84	4,157	3,900.7	9,510	5,196.8	13,667	4,719.8
85+	4,824	6,595.9	14,862	8,406.2	19,686	7,876.5
All Ages	49,047	945.6	60,797	1,105.4	109,844	1,027.8

Source: PHC4.

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

** Per 100,000 population, 2003; totals exclude missing data.

Table 3 Hospital Discharges for All Injuries* by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	368	739.3	252	529.1	620	636.6
5-9	231	435.8	135	265.5	366	352.4
10-14	317	515.0	172	289.4	489	404.2
15-19	669	1,223.5	308	594.2	977	917.2
20-24	797	1,617.1	336	682.2	1,133	1,149.8
25-29	674	1,700.5	332	775.2	1,006	1,219.9
30-34	738	1,710.8	333	708.9	1,071	1,188.5
35-39	832	1,886.0	408	816.5	1,240	1,318.0
40-44	888	1,960.0	528	1,012.8	1,416	1,453.2
45-49	815	1,978.6	470	978.4	1,285	1,440.1
50-54	652	1,942.6	348	854.6	1,000	1,346.2
55-59	438	1,780.5	285	920.9	723	1,301.6
60-64	307	1,680.8	260	1,046.9	567	1,315.5
65-69	302	2,036.0	272	1,267.9	574	1,581.9
70-74	224	1,847.9	323	1,662.7	547	1,733.9
75-79	238	2,450.3	402	2,439.8	640	2,443.7
80-84	172	2,926.2	377	3,218.6	549	3,120.9
85+	160	4,136.5	498	4,827.0	658	4,638.7
All Ages	8,822	1,459.3	6,039	894.9	14,861	1,161.6

Source: PHC4.

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

** Per 100,000 population, 2003; totals exclude missing data.

Table 4 Cause of Hospitalization by Age Group (0-44), Number and Rate, Pennsylvania, 2003

	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	49	7.0	56	7.4	107	12.5	324	38.1	383	45.3	324	46.6	324	41.5	360	41.1	337	34.3
Drowning/Submersion	28	4.0	5	.7	8	.9	1	.	1	.	2	.	1	.	6	.7	6	.6
Fall	676	95.9	616	81.6	736	85.9	698	82.1	637	75.4	651	93.6	865	110.8	1,135	129.6	1,620	164.7
Fire/Flame	39	5.5	40	5.3	30	3.5	77	9.1	65	7.7	59	8.5	48	6.2	50	5.7	79	8.0
Hot Object/Scald	228	32.4	33	4.4	23	2.7	35	4.1	49	5.8	36	5.2	55	7.0	85	9.7	66	6.7
Firearm	5	.7	4	.	32	3.7	310	36.4	391	46.3	258	37.1	160	20.5	110	12.6	101	10.3
Machinery	11	1.6	8	1.1	12	1.4	34	4.0	76	9.0	57	8.2	58	7.4	65	7.4	77	7.8
MVT Occupant	120	17.0	127	16.8	189	22.1	1,440	169.3	1,416	167.6	802	115.4	776	99.4	770	87.9	801	81.5
MVT Motorcyclist	1	.	3	.	23	2.7	85	10.0	166	19.6	146	21.0	134	17.2	176	20.1	175	17.8
MVT Pedal Cyclist	3	.	40	5.3	110	12.8	43	5.1	16	1.9	17	2.4	17	2.2	20	2.3	18	1.8
MVT Pedestrian	81	11.5	177	23.4	145	16.9	101	11.9	84	9.9	69	9.9	60	7.7	62	7.1	85	8.6
MVT Unspecified	2	.	2	.	3	.	37	4.4	86	10.2	51	7.3	45	5.8	62	7.1	57	5.8
MVT Other	5	.7	6	.8	12	1.4	16	1.9	12	1.4	9	1.3	14	1.8	5	.6	10	1.0
Pedal cyclist, other	12	1.7	120	15.9	184	21.5	106	12.5	35	4.1	16	2.3	27	3.5	35	4.0	42	4.3
Pedestrian, other	11	1.6	9	1.2	11	1.3	2	.	5	.6	5	.7	6	.8	7	.8	10	1.0
Transport, other	15	2.1	64	8.5	165	19.3	222	26.1	170	20.1	127	18.3	134	17.2	165	18.8	165	16.8
Bites & Stings	128	18.2	78	10.3	86	10.0	83	9.8	100	11.8	104	15.0	141	18.1	131	15.0	206	20.9
Other natural/env'tl factors	37	5.3	12	1.6	15	1.8	23	2.7	26	3.1	32	4.6	34	4.4	36	4.1	51	5.2
Overexertion	4	.	9	1.2	45	5.3	87	10.2	79	9.4	116	16.7	98	12.6	155	17.7	167	17.0
Poisoning	276	39.2	55	7.3	257	30.0	1,318	155.0	1,378	163.1	1,108	159.4	1,275	163.4	1,546	176.6	1,755	178.5
Struck by, Against	111	15.8	127	16.8	328	38.3	591	69.5	454	53.7	336	48.3	347	44.5	377	43.1	434	44.1
Suffocation	56	7.9	6	.8	18	2.1	21	2.5	27	3.2	31	4.5	27	3.5	30	3.4	43	4.4
Other specified & classifiable	259	36.8	123	16.3	151	17.6	240	28.2	279	33.0	255	36.7	361	46.3	421	48.1	487	49.5
Other specified, NEC	35	5.0	21	2.8	34	4.0	93	10.9	143	16.9	128	18.4	129	16.5	167	19.1	183	18.6
Unspecified	116	16.5	45	6.0	88	10.3	226	26.6	286	33.9	269	38.7	319	40.9	447	51.1	485	49.3
Total	2,308	327.5	1,786	236.6	2,812	328.4	6,213	730.5	6,364	753.3	5,008	720.3	5,455	699.1	6,423	733.6	7,460	758.6

Source: PHC4.

* Per 100,000 population, 2003; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 5 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Pennsylvania, 2003

	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	271	27.7	167	19.4	125	17.5	78	13.9	69	14.9	72	16.1	52	12.5	36	11.6	39	14.6
Drowning/Submersion	2	.	1	.	6	.8	1	.	.	.	.	.	1	.	3	.	1	.
Fall	2,019	206.3	2,353	273.5	2,492	348.0	2,685	476.9	3,365	728.6	5,220	1,168.5	8,412	2,016.7	10,818	3,492.5	16,779	6,299.4
Fire/Flame	74	7.6	54	6.3	57	8.0	32	5.7	25	5.4	40	9.0	30	7.2	42	13.6	33	12.4
Hot Object/Scald	88	9.0	56	6.5	57	8.0	42	7.5	42	9.1	46	10.3	51	12.2	54	17.4	36	13.5
Firearm	72	7.4	44	5.1	22	3.1	13	2.3	10	2.2	8	1.8	8	1.9	7	2.3	7	2.6
Machinery	82	8.4	67	7.8	53	7.4	33	5.9	29	6.3	37	8.3	22	5.3	16	5.2	16	6.0
MVT Occupant	757	77.4	616	71.6	514	71.8	410	72.8	374	81.0	402	90.0	514	123.2	436	140.8	266	99.9
MVT Motorcyclist	157	16.0	136	15.8	76	10.6	34	6.0	22	4.8	10	2.2	5	1.2	1	.	4	.
MVT Pedal Cyclist	28	2.9	9	1.0	3	.	8	1.4	3	.	1	.	3	.	.	.	2	.
MVT Pedestrian	91	9.3	85	9.9	64	8.9	49	8.7	41	8.9	62	13.9	66	15.8	55	17.8	45	16.9
MVT Unspecified	58	5.9	44	5.1	35	4.9	40	7.1	24	5.2	33	7.4	29	7.0	24	7.7	22	8.3
MVT Other	10	1.0	7	.8	3	.	3	.	.	.	3	.	7	1.7	2	.	2	.
Pedal cyclist, other	38	3.9	33	3.8	23	3.2	21	3.7	15	3.2	9	2.0	14	3.4	4	.	2	.
Pedestrian, other	8	.8	7	.8	4	.	8	1.4	5	1.1	7	1.6	5	1.2	5	1.6	5	1.9
Transport, other	132	13.5	115	13.4	69	9.6	48	8.5	50	10.8	38	8.5	56	13.4	60	19.4	43	16.1
Bites & Stings	207	21.2	138	16.0	126	17.6	108	19.2	101	21.9	71	15.9	86	20.6	70	22.6	57	21.4
Other natural/env'tl factors	59	6.0	52	6.0	52	7.3	60	10.7	47	10.2	79	17.7	82	19.7	90	29.1	118	44.3
Overexertion	196	20.0	171	19.9	155	21.6	149	26.5	156	33.8	181	40.5	214	51.3	224	72.3	186	69.8
Poisoning	1,456	148.8	913	106.1	589	82.3	417	74.1	326	70.6	303	67.8	309	74.1	316	102.0	265	99.5
Struck by, Against	326	33.3	236	27.4	186	26.0	132	23.4	105	22.7	163	36.5	166	39.8	187	60.4	205	77.0
Suffocation	39	4.0	42	4.9	57	8.0	78	13.9	94	20.4	115	25.7	155	37.2	164	52.9	225	84.5
Other specified & classifiable	488	49.9	387	45.0	379	52.9	296	52.6	297	64.3	347	77.7	426	102.1	407	131.4	446	167.4
Other specified, NEC	152	15.5	123	14.3	81	11.3	70	12.4	45	9.7	40	9.0	43	10.3	32	10.3	34	12.8
Unspecified	604	61.7	554	64.4	535	74.7	524	93.1	557	120.6	714	159.8	940	225.4	1,073	346.4	1,359	510.2
Total	7,414	757.7	6,410	745.0	5,763	804.8	5,339	948.3	5,802	1,256.3	8,001	1,791.0	11,696	2,804.0	14,126	4,560.5	20,197	7,582.6

Source: PHC4.

* Per 100,000 population, 2003; 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, 2003

	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	31	8.6	37	9.6	55	12.5	182	41.7	273	64.4	224	64.0	231	59.2	253	58.4	240	49.5
Drowning/Submersion	17	4.7	4	.	5	1.1	1	.	1	.	.	.	1	.	4	.	5	1.0
Fall	401	111.5	383	99.1	527	120.0	475	108.7	415	97.9	385	110.1	512	131.3	645	148.9	972	200.7
Fire/Flame	22	6.1	32	8.3	27	6.1	66	15.1	51	12.0	42	12.0	34	8.7	37	8.5	53	10.9
Hot Object/Scald	139	38.6	20	5.2	14	3.2	30	6.9	26	6.1	19	5.4	32	8.2	54	12.5	46	9.5
Firearm	3	.	4	.	27	6.1	285	65.2	370	87.3	237	67.7	152	39.0	102	23.5	83	17.1
Machinery	7	1.9	7	1.8	7	1.6	34	7.8	71	16.8	57	16.3	55	14.1	60	13.9	73	15.1
MVT Occupant	62	17.2	61	15.8	96	21.9	826	189.1	883	208.4	487	139.2	479	122.8	415	95.8	450	92.9
MVT Motorcyclist	1	.	3	.	18	4.1	79	18.1	152	35.9	132	37.7	116	29.7	152	35.1	148	30.6
MVT Pedal Cyclist	3	.	34	8.8	93	21.2	36	8.2	13	3.1	14	4.0	15	3.8	18	4.2	16	3.3
MVT Pedestrian	49	13.6	121	31.3	92	20.9	61	14.0	49	11.6	47	13.4	39	10.0	35	8.1	48	9.9
MVT Unspecified	.	.	1	.	2	.	23	5.3	38	9.0	30	8.6	24	6.2	30	6.9	36	7.4
MVT Other	2	.	4	.	9	2.0	14	3.2	8	1.9	6	1.7	9	2.3	3	.	7	1.4
Pedal cyclist, other	7	1.9	78	20.2	153	34.8	96	22.0	28	6.6	12	3.4	19	4.9	27	6.2	30	6.2
Pedestrian, other	5	1.4	7	1.8	5	1.1	2	.	3	.	5	1.4	4	.	5	1.2	9	1.9
Transport, other	10	2.8	37	9.6	119	27.1	175	40.1	142	33.5	107	30.6	96	24.6	120	27.7	118	24.4
Bites & Stings	60	16.7	46	11.9	58	13.2	47	10.8	49	11.6	58	16.6	68	17.4	66	15.2	100	20.6
Other natural/env'tl factors	24	6.7	10	2.6	8	1.8	14	3.2	12	2.8	24	6.9	16	4.1	29	6.7	32	6.6
Overexertion	3	.	8	2.1	27	6.1	57	13.0	60	14.2	85	24.3	60	15.4	95	21.9	109	22.5
Poisoning	151	42.0	32	8.3	88	20.0	570	130.5	662	156.2	550	157.2	610	156.4	725	167.4	813	167.8
Struck by, Against	70	19.5	91	23.5	271	61.7	498	114.0	385	90.9	273	78.0	274	70.3	296	68.3	347	71.6
Suffocation	30	8.3	4	.	13	3.0	16	3.7	18	4.2	23	6.6	17	4.4	18	4.2	23	4.7
Other specified & classifiable	148	41.1	68	17.6	102	23.2	161	36.9	199	47.0	164	46.9	239	61.3	285	65.8	296	61.1
Other specified, NEC	32	8.9	14	3.6	23	5.2	76	17.4	105	24.8	108	30.9	101	25.9	134	30.9	145	29.9
Unspecified	72	20.0	26	6.7	52	11.8	159	36.4	204	48.1	171	48.9	195	50.0	277	64.0	327	67.5
Total	1,349	375.0	1,132	292.9	1,891	430.6	3,983	911.7	4,217	995.2	3,260	931.9	3,398	871.4	3,885	896.9	4,526	934.3

Source: PHC4.

* Per 100,000 population, 2003; 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, 2003

	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	192	39.8	118	27.9	96	27.7	57	21.4	50	23.6	52	26.9	32	18.7	15	13.2	20	25.7
Drowning/Submersion	1	.	.	.	4	.	.	.	.	.	.	.	1	.	1	.	.	.
Fall	1,146	237.4	1,238	293.0	1,192	344.1	1,152	432.5	1,303	615.6	1,883	973.2	2,577	1,509.9	3,083	2,716.3	3,836	4,931.9
Fire/Flame	53	11.0	37	8.8	42	12.1	16	6.0	18	8.5	24	12.4	18	10.5	22	19.4	11	14.1
Hot Object/Scald	64	13.3	35	8.3	32	9.2	20	7.5	17	8.0	17	8.8	22	12.9	23	20.3	6	7.7
Firearm	57	11.8	42	9.9	20	5.8	11	4.1	7	3.3	7	3.6	8	4.7	6	5.3	7	9.0
Machinery	72	14.9	62	14.7	46	13.3	32	12.0	27	12.8	36	18.6	18	10.5	14	12.3	9	11.6
MVT Occupant	431	89.3	341	80.7	270	77.9	204	76.6	200	94.5	175	90.4	233	136.5	170	149.8	109	140.1
MV Motorcyclist	138	28.6	122	28.9	67	19.3	29	10.9	20	9.4	9	4.7	5	2.9	.	.	3	.
MVT Pedal Cyclist	23	4.8	8	1.9	2	.	8	3.0	2	.	1	.	3	.	.	.	2	.
MVT Pedestrian	58	12.0	52	12.3	39	11.3	27	10.1	24	11.3	26	13.4	23	13.5	14	12.3	20	25.7
MVT Unspecified	33	6.8	26	6.2	15	4.3	23	8.6	13	6.1	12	6.2	11	6.4	9	7.9	5	6.4
MVT Other	4	.	6	1.4	3	.	3	.	.	.	1	.	3	.	1	.	.	.
Pedal cyclist, other	30	6.2	26	6.2	20	5.8	17	6.4	10	4.7	5	2.6	10	5.9	2	.	2	.
Pedestrian, other	7	1.5	6	1.4	1	.	4	.	2	.	4	.	3	.	2	.	3	.
Transport, other	87	18.0	71	16.8	49	14.1	33	12.4	34	16.1	26	13.4	30	17.6	28	24.7	17	21.9
Bites & Stings	85	17.6	68	16.1	55	15.9	45	16.9	45	21.3	29	15.0	26	15.2	24	21.1	20	25.7
Other natural/env'tl factors	46	9.5	37	8.8	32	9.2	34	12.8	32	15.1	44	22.7	42	24.6	39	34.4	39	50.1
Overexertion	117	24.2	100	23.7	79	22.8	76	28.5	72	34.0	69	35.7	77	45.1	63	55.5	51	65.6
Poisoning	692	143.4	469	111.0	304	87.8	190	71.3	140	66.1	120	62.0	126	73.8	103	90.7	78	100.3
Struck by, Against	268	55.5	189	44.7	125	36.1	103	38.7	72	34.0	88	45.5	73	42.8	60	52.9	61	78.4
Suffocation	19	3.9	21	5.0	28	8.1	45	16.9	55	26.0	57	29.5	84	49.2	75	66.1	88	113.1
Other specified & classifiable	341	70.6	253	59.9	240	69.3	184	69.1	145	68.5	162	83.7	180	105.5	164	144.5	166	213.4
Other specified, NEC	120	24.9	96	22.7	59	17.0	42	15.8	31	14.6	30	15.5	24	14.1	16	14.1	13	16.7
Unspecified	390	80.8	329	77.9	298	86.0	280	105.1	254	120.0	299	154.5	369	216.2	382	336.6	381	489.8
Total	4,474	926.9	3,752	888.1	3,118	900.1	2,635	989.3	2,573	1,215.7	3,176	1,641.4	3,998	2,342.5	4,316	3,802.6	4,947	6,360.3

Source: PHC4.

* Per 100,000 population, 2003; 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, 2003

	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	18	5.2	19	5.2	52	12.5	142	34.3	110	26.1	100	28.9	93	23.8	107	24.2	97	19.4
Drowning/Submersion	11	3.2	1	.	3	.	.	.	.	.	2	.	.	.	2	.	1	.
Fall	275	79.7	233	63.2	209	50.1	223	53.9	222	52.7	266	77.0	353	90.4	490	110.8	648	129.9
Fire/Flame	17	4.9	8	2.2	3	.	11	2.7	14	3.3	17	4.9	14	3.6	13	2.9	26	5.2
Hot Object/Scald	89	25.8	13	3.5	9	2.2	5	1.2	23	5.5	17	4.9	23	5.9	31	7.0	20	4.0
Firearm	2	.	.	.	5	1.2	25	6.0	21	5.0	21	6.1	8	2.0	8	1.8	18	3.6
Machinery	4	.	1	.	5	1.2	.	.	5	1.2	.	.	3	.	5	1.1	4	.
MVT Occupant	58	16.8	66	17.9	93	22.3	613	148.2	533	126.6	315	91.2	296	75.8	355	80.2	351	70.3
MVT Motorcyclist	.	.	.	.	5	1.2	6	1.5	14	3.3	14	4.1	18	4.6	24	5.4	27	5.4
MVT Pedal Cyclist	.	.	6	1.6	17	4.1	7	1.7	3	.	3	.	2	.	2	.	2	.
MVT Pedestrian	32	9.3	56	15.2	53	12.7	40	9.7	35	8.3	22	6.4	21	5.4	27	6.1	37	7.4
MVT Unspecified	2	.	1	.	1	.	14	3.4	48	11.4	21	6.1	21	5.4	32	7.2	21	4.2
MVT Other	3	.	2	.	3	.	2	.	4	.	3	.	5	1.3	2	.	3	.
Pedal cyclist, other	5	1.4	42	11.4	31	7.4	10	2.4	7	1.7	4	.	8	2.0	8	1.8	12	2.4
Pedestrian, other	6	1.7	2	.	6	1.4	.	.	2	.	.	.	2	.	2	.	1	.
Transport, other	5	1.4	27	7.3	46	11.0	47	11.4	28	6.7	20	5.8	38	9.7	45	10.2	47	9.4
Bites & Stings	68	19.7	32	8.7	28	6.7	36	8.7	51	12.1	46	13.3	73	18.7	65	14.7	106	21.2
Other natural/env'tl factors	13	3.8	2	.	7	1.7	9	2.2	14	3.3	8	2.3	18	4.6	7	1.6	19	3.8
Overexertion	1	.	1	.	18	4.3	30	7.3	19	4.5	31	9.0	38	9.7	60	13.6	58	11.6
Poisoning	125	36.2	23	6.2	169	40.5	748	180.8	716	170.1	558	161.5	665	170.3	821	185.6	942	188.8
Struck by, Against	41	11.9	36	9.8	57	13.7	93	22.5	69	16.4	63	18.2	73	18.7	81	18.3	87	17.4
Suffocation	26	7.5	2	.	5	1.2	5	1.2	9	2.1	8	2.3	10	2.6	12	2.7	20	4.0
Other specified & classifiable	111	32.2	55	14.9	49	11.7	79	19.1	80	19.0	91	26.3	122	31.2	136	30.7	191	38.3
Other specified, NEC	3	.	7	1.9	11	2.6	17	4.1	38	9.0	20	5.8	28	7.2	33	7.5	38	7.6
Unspecified	44	12.8	19	5.2	36	8.6	67	16.2	82	19.5	98	28.4	124	31.8	170	38.4	158	31.7
Total	959	278.0	654	177.5	921	220.8	2,229	538.8	2,147	509.9	1,748	506.0	2,056	526.6	2,538	573.7	2,934	588.0

Source: PHC4.

* Per 100,000 population, 2003; 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, 2003

	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	79	15.9	49	11.2	29	7.8	21	7.1	19	7.6	20	7.9	20	8.1	21	10.7	19	10.1
Drowning/Submersion	1	.	1	.	2	.	1	.	.	.	.	.	.	.	2	.	1	.
Fall	873	176.1	1,114	254.4	1,300	351.7	1,533	516.8	2,062	824.3	3,337	1,317.7	5,835	2,367.7	7,735	3,941.5	12,942	6,862.8
Fire/Flame	21	4.2	17	3.9	15	4.1	16	5.4	7	2.8	16	6.3	12	4.9	20	10.2	22	11.7
Hot Object/Scald	24	4.8	21	4.8	25	6.8	22	7.4	25	10.0	29	11.5	29	11.8	31	15.8	30	15.9
Firearm	15	3.0	2	.	2	.	2	.	3	.	1	.	.	.	1	.	.	.
Machinery	10	2.0	5	1.1	7	1.9	1	.	2	.	1	.	4	.	2	.	7	3.7
MVT Occupant	326	65.8	274	62.6	244	66.0	206	69.4	174	69.6	227	89.6	281	114.0	266	135.5	157	83.3
MVT Motorcyclist	19	3.8	14	3.2	9	2.4	5	1.7	2	.	1	.	.	.	1	.	1	.
MVT Pedal Cyclist	5	1.0	1	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.
MVT Pedestrian	33	6.7	33	7.5	25	6.8	22	7.4	17	6.8	36	14.2	43	17.4	41	20.9	25	13.3
MVT Unspecified	25	5.0	18	4.1	20	5.4	17	5.7	11	4.4	21	8.3	18	7.3	15	7.6	17	9.0
MVT Other	6	1.2	1	.	.	.	.	.	.	.	2	.	4	.	1	.	2	.
Pedal cyclist, other	8	1.6	7	1.6	3	.	4	.	5	2.0	4	.	4	.	2	.	.	.
Pedestrian, other	1	.	1	.	3	.	4	.	3	.	3	.	2	.	3	.	2	.
Transport, other	45	9.1	44	10.0	20	5.4	15	5.1	16	6.4	12	4.7	26	10.6	32	16.3	26	13.8
Bites & Stings	122	24.6	70	16.0	71	19.2	63	21.2	56	22.4	42	16.6	60	24.3	46	23.4	37	19.6
Other natural/env'tl factors	13	2.6	15	3.4	20	5.4	26	8.8	15	6.0	35	13.8	40	16.2	51	26.0	79	41.9
Overexertion	79	15.9	71	16.2	76	20.6	73	24.6	84	33.6	112	44.2	137	55.6	161	82.0	135	71.6
Poisoning	764	154.1	444	101.4	285	77.1	227	76.5	186	74.4	183	72.3	183	74.3	213	108.5	187	99.2
Struck by, Against	58	11.7	47	10.7	61	16.5	29	9.8	33	13.2	75	29.6	93	37.7	127	64.7	144	76.4
Suffocation	20	4.0	21	4.8	29	7.8	33	11.1	39	15.6	58	22.9	71	28.8	89	45.4	137	72.6
Other specified & classifiable	147	29.7	134	30.6	139	37.6	112	37.8	152	60.8	185	73.1	246	99.8	243	123.8	280	148.5
Other specified, NEC	32	6.5	27	6.2	22	6.0	28	9.4	14	5.6	10	3.9	19	7.7	16	8.2	21	11.1
Unspecified	214	43.2	225	51.4	237	64.1	244	82.3	303	121.1	415	163.9	571	231.7	691	352.1	978	518.6
Total	2,940	593.0	2,656	606.5	2,645	715.5	2,704	911.5	3,229	1,290.8	4,825	1,905.3	7,698	3,123.7	9,810	4,998.8	15,249	8,086.2

Source: PHC4.

* Per 100,000 population, 2003; 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, 2003

	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	33	5.8	39	6.3	84	11.9	227	31.9	272	38.3	214	37.0	222	34.0	246	32.8	222	25.9
Drowning/Submersion	21	3.7	1	.	3	.	1	.	1	.	2	.	1	.	4	.	5	.6
Fall	417	73.2	460	74.7	576	81.9	528	74.3	482	67.8	477	82.6	652	99.9	894	119.1	1,262	147.0
Fire/Flame	16	2.8	21	3.4	21	3.0	59	8.3	48	6.8	38	6.6	32	4.9	36	4.8	54	6.3
Hot Object/Scald	118	20.7	16	2.6	15	2.1	24	3.4	34	4.8	18	3.1	33	5.1	51	6.8	43	5.0
Firearm	1	.	.	.	5	.7	27	3.8	64	9.0	32	5.5	32	4.9	28	3.7	36	4.2
Machinery	10	1.8	8	1.3	11	1.6	30	4.2	64	9.0	41	7.1	46	7.0	51	6.8	56	6.5
MVT Occupant	69	12.1	97	15.8	135	19.2	1,206	169.6	1,093	153.9	617	106.8	570	87.3	596	79.4	613	71.4
MVT Motorcyclist	.	.	2	.	19	2.7	73	10.3	136	19.1	107	18.5	107	16.4	138	18.4	163	19.0
MVT Pedal Cyclist	2	.	19	3.1	67	9.5	24	3.4	9	1.3	11	1.9	13	2.0	12	1.6	11	1.3
MVT Pedestrian	26	4.6	65	10.6	76	10.8	66	9.3	58	8.2	40	6.9	33	5.1	36	4.8	45	5.2
MVT Unspecified	2	.	1	.	1	.	33	4.6	66	9.3	38	6.6	33	5.1	41	5.5	47	5.5
MVT Other	4	.	5	.8	6	.9	8	1.1	7	1.0	9	1.6	10	1.5	4	.	9	1.0
Pedal cyclist, other	9	1.6	80	13.0	148	21.0	85	12.0	27	3.8	10	1.7	18	2.8	24	3.2	32	3.7
Pedestrian, other	8	1.4	7	1.1	10	1.4	2	.	4	.	4	.	4	.	6	.8	9	1.0
Transport, other	13	2.3	59	9.6	150	21.3	198	27.8	149	21.0	111	19.2	127	19.5	150	20.0	149	17.4
Bites & Stings	84	14.7	60	9.7	63	9.0	49	6.9	73	10.3	81	14.0	108	16.5	109	14.5	168	19.6
Other natural/env'tl factors	25	4.4	9	1.5	12	1.7	21	3.0	16	2.3	23	4.0	20	3.1	24	3.2	32	3.7
Overexertion	2	.	9	1.5	39	5.5	77	10.8	63	8.9	90	15.6	75	11.5	119	15.8	139	16.2
Poisoning	137	24.0	29	4.7	191	27.2	1,084	152.4	1,119	157.5	831	143.8	954	146.1	1,159	154.4	1,312	152.8
Struck by, Against	75	13.2	90	14.6	232	33.0	416	58.5	294	41.4	216	37.4	212	32.5	243	32.4	270	31.4
Suffocation	31	5.4	3	.	13	1.8	16	2.3	20	2.8	27	4.7	21	3.2	19	2.5	29	3.4
Other specified & classifiable	142	24.9	76	12.3	111	15.8	192	27.0	209	29.4	200	34.6	277	42.4	330	44.0	393	45.8
Other specified, NEC	21	3.7	13	2.1	26	3.7	50	7.0	64	9.0	61	10.6	68	10.4	84	11.2	95	11.1
Unspecified	74	13.0	33	5.4	59	8.4	157	22.1	197	27.7	189	32.7	227	34.8	302	40.2	337	39.3
Total	1,340	235.2	1,202	195.3	2,073	294.8	4,653	654.3	4,569	643.1	3,487	603.5	3,895	596.5	4,706	626.8	5,531	644.2

Source: PHC4.

* Per 100,000 population, 2003; 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, 2003

	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	196	22.6	132	17.2	100	15.5	66	13.0	63	15.1	62	15.2	48	12.4	35	12.1	34	13.6
Drowning/Submersion	2	.	1	.	5	.8	1	.	.	.	.	.	.	.	3	.	1	.
Fall	1,662	192.0	1,943	253.8	2,117	328.4	2,372	466.6	2,978	713.4	4,774	1,166.6	7,842	2,027.4	10,285	3,551.9	16,007	6,404.5
Fire/Flame	48	5.5	40	5.2	39	6.0	26	5.1	21	5.0	34	8.3	19	4.9	26	9.0	26	10.4
Hot Object/Scald	60	6.9	41	5.4	40	6.2	27	5.3	30	7.2	34	8.3	47	12.2	49	16.9	31	12.4
Firearm	35	4.0	19	2.5	12	1.9	10	2.0	7	1.7	6	1.5	7	1.8	6	2.1	4	.
Machinery	63	7.3	60	7.8	48	7.4	30	5.9	27	6.5	34	8.3	21	5.4	16	5.5	16	6.4
MVT Occupant	570	65.9	468	61.1	418	64.8	339	66.7	314	75.2	351	85.8	461	119.2	391	135.0	252	100.8
MVT Motorcyclist	134	15.5	118	15.4	62	9.6	29	5.7	19	4.6	9	2.2	5	1.3	1	.	3	.
MVT Pedal Cyclist	18	2.1	3	.	1	.	7	1.4	2	.	.	.	3	.	.	.	1	.
MVT Pedestrian	61	7.0	48	6.3	44	6.8	32	6.3	31	7.4	45	11.0	55	14.2	47	16.2	38	15.2
MVT Unspecified	46	5.3	36	4.7	32	5.0	33	6.5	21	5.0	30	7.3	28	7.2	22	7.6	20	8.0
MVT Other	6	.7	5	.7	2	.	2	.	.	.	3	.	5	1.3	1	.	1	.
Pedal cyclist, other	28	3.2	27	3.5	21	3.3	18	3.5	13	3.1	8	2.0	14	3.6	4	.	2	.
Pedestrian, other	8	.9	5	.7	2	.	7	1.4	5	1.2	7	1.7	5	1.3	5	1.7	4	.
Transport, other	127	14.7	108	14.1	67	10.4	44	8.7	47	11.3	38	9.3	53	13.7	55	19.0	42	16.8
Bites & Stings	172	19.9	124	16.2	114	17.7	97	19.1	91	21.8	68	16.6	82	21.2	68	23.5	57	22.8
Other natural/env'tl factors	40	4.6	37	4.8	39	6.0	49	9.6	33	7.9	61	14.9	59	15.3	73	25.2	94	37.6
Overexertion	168	19.4	155	20.2	140	21.7	138	27.1	145	34.7	169	41.3	209	54.0	216	74.6	183	73.2
Poisoning	1,070	123.6	677	88.4	460	71.4	346	68.1	254	60.8	267	65.2	265	68.5	280	96.7	241	96.4
Struck by, Against	210	24.3	172	22.5	136	21.1	108	21.2	91	21.8	141	34.5	153	39.6	177	61.1	193	77.2
Suffocation	30	3.5	34	4.4	45	7.0	64	12.6	69	16.5	97	23.7	134	34.6	143	49.4	205	82.0
Other specified & classifiable	410	47.4	320	41.8	321	49.8	250	49.2	258	61.8	309	75.5	386	99.8	380	131.2	423	169.2
Other specified, NEC	97	11.2	94	12.3	60	9.3	59	11.6	34	8.1	28	6.8	34	8.8	29	10.0	31	12.4
Unspecified	431	49.8	414	54.1	437	67.8	438	86.2	467	111.9	633	154.7	869	224.7	1,008	348.1	1,270	508.1
Total	5,692	657.7	5,081	663.8	4,762	738.7	4,592	903.2	5,020	1,202.6	7,208	1,761.3	10,804	2,793.1	13,320	4,600.0	19,179	7,673.6

Source: PHC4.

* Per 100,000 population, 2003; 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, 2003

	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	11	10.6	15	12.4	66	62.0	72	73.1	65	78.8	66	73.2	76	80.8	82	84.2
Drowning/Submersion	2	.	4	.	5	4.1	.	.	.	.	.	.	.	.	1	.	1	.
Fall	146	149.9	88	84.7	95	78.5	106	99.5	88	89.3	117	141.9	138	153.1	171	181.8	237	243.2
Fire/Flame	14	14.4	12	11.6	7	5.8	10	9.4	8	8.1	12	14.6	11	12.2	10	10.6	18	18.5
Hot Object/Scald	66	67.8	14	13.5	6	5.0	7	6.6	9	9.1	11	13.3	13	14.4	26	27.6	15	15.4
Firearm	3	.	3	.	17	14.1	246	231.0	280	284.2	198	240.1	113	125.4	69	73.3	45	46.2
Machinery	.	.	.	.	1	.	1	.	1	.	6	7.3	4	.	6	6.4	11	11.3
MVT Occupant	26	26.7	14	13.5	31	25.6	82	77.0	127	128.9	83	100.6	103	114.3	81	86.1	93	95.4
MVT Motorcyclist	1	.	1	.	2	.	6	5.6	12	12.2	25	30.3	17	18.9	22	23.4	5	5.1
MVT Pedal Cyclist	.	.	13	12.5	29	24.0	10	9.4	4	.	3	.	.	.	5	5.3	6	6.2
MVT Pedestrian	36	37.0	74	71.2	51	42.2	21	19.7	17	17.3	17	20.6	17	18.9	16	17.0	30	30.8
MVT Unspecified	.	.	1	.	1	.	3	.	10	10.1	7	8.5	10	11.1	13	13.8	6	6.2
MVT Other	1	.	1	.	5	4.1	3	.	2	.	.	.	1	.	1	.	.	.
Pedal cyclist, other	2	.	22	21.2	26	21.5	10	9.4	4	.	1	.	8	8.9	7	7.4	6	6.2
Pedestrian, other	2	.	1	.	.	.	.	.	.	.	1	.	1	.	.	.	1	.
Transport, other	1	.	1	.	5	4.1	5	4.7	10	10.1	2	.	2	.	4	.	4	.
Bites & Stings	28	28.7	8	7.7	13	10.7	24	22.5	23	23.3	14	17.0	27	30.0	18	19.1	30	30.8
Other natural/env'tl factors	10	10.3	3	.	2	.	1	.	7	7.1	5	6.1	14	15.5	8	8.5	14	14.4
Overexertion	1	.	.	.	5	4.1	8	7.5	11	11.2	16	19.4	13	14.4	26	27.6	20	20.5
Poisoning	92	94.5	20	19.3	47	38.9	118	110.8	145	147.2	186	225.6	233	258.6	308	327.4	373	382.8
Struck by, Against	22	22.6	25	24.1	68	56.2	112	105.1	109	110.6	79	95.8	85	94.3	93	98.8	122	125.2
Suffocation	18	18.5	1	.	2	.	4	.	5	5.1	4	.	2	.	9	9.6	6	6.2
Other specified & classifiable	79	81.1	28	27.0	21	17.4	30	28.2	38	38.6	30	36.4	57	63.3	64	68.0	63	64.7
Other specified, NEC	8	8.2	6	5.8	3	.	37	34.7	66	67.0	54	65.5	48	53.3	67	71.2	79	81.1
Unspecified	28	28.7	7	6.7	18	14.9	51	47.9	56	56.8	56	67.9	73	81.0	109	115.9	115	118.0
Total	597	612.9	358	344.7	475	392.6	961	902.2	1,104	1,120.4	992	1,202.9	1,056	1,171.9	1,210	1,286.1	1,382	1,418.3

Source: PHC4.

* Per 100,000 population, 2003; 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, 2003

	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	58	65.0	33	44.4	13	23.4	9	20.9	5	13.8	10	31.7	3	.	1	.	5	35.2
Drowning/Submersion	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.
Fall	251	281.3	309	416.0	267	480.7	233	540.6	264	727.6	302	957.3	399	1,523.5	354	2,012.4	468	3,299.3
Fire/Flame	18	20.2	8	10.8	9	16.2	3	.	3	.	6	19.0	6	22.9	11	62.5	3	.
Hot Object/Scald	20	22.4	9	12.1	15	27.0	13	30.2	11	30.3	5	15.8	3	.	4	.	3	.
Firearm	25	28.0	21	28.3	6	10.8	1	.	2	.	2	.	.	.	.	.	2	.
Machinery	11	12.3	4	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.
MVT Occupant	92	103.1	73	98.3	43	77.4	35	81.2	34	93.7	21	66.6	26	99.3	15	85.3	6	42.3
MVT Motorcyclist	6	6.7	6	8.1	8	14.4	1	.	1	.	1	.	.	.	.	.	.	.
MVT Pedal Cyclist	6	6.7	4	.	1	.	1	.	1	.	.	.	.	.	.	.	1	.
MVT Pedestrian	21	23.5	22	29.6	12	21.6	11	25.5	4	.	10	31.7	4	.	3	.	2	.
MVT Unspecified	8	9.0	5	6.7	1	.	5	11.6	1	.	1	.	.	.	1	.	.	.
MVT Other	3	.	1	.	.	.	.	.	.	.	.	.	1	.	1	.	1	.
Pedal cyclist, other	6	6.7	4	.	.	.	3	.	1	.	1	.	.	.	.	.	.	.
Pedestrian, other	.	.	2	.	2	.	1	.	.	.	.	.	.	.	.	.	1	.
Transport, other	3	.	1	.	.	.	2	.	3	.	.	.	2	.	4	.	1	.
Bites & Stings	27	30.3	10	13.5	11	19.8	11	25.5	4	.	3	.	3	.	2	.	.	.
Other natural/env'tl factors	19	21.3	14	18.8	11	19.8	10	23.2	13	35.8	15	47.5	21	80.2	14	79.6	21	148.0
Overexertion	24	26.9	9	12.1	10	18.0	11	25.5	9	24.8	10	31.7	3	.	7	39.8	2	.
Poisoning	325	364.2	193	259.8	109	196.2	63	146.2	60	165.4	31	98.3	35	133.6	31	176.2	22	155.1
Struck by, Against	96	107.6	52	70.0	31	55.8	14	32.5	12	33.1	12	38.0	10	38.2	4	.	7	49.3
Suffocation	7	7.8	6	8.1	11	19.8	9	20.9	16	44.1	9	28.5	15	57.3	18	102.3	15	105.7
Other specified & classifiable	48	53.8	42	56.5	41	73.8	27	62.6	29	79.9	26	82.4	28	106.9	15	85.3	16	112.8
Other specified, NEC	47	52.7	25	33.7	19	34.2	10	23.2	8	22.0	9	28.5	6	22.9	3	.	2	.
Unspecified	131	146.8	110	148.1	73	131.4	62	143.8	73	201.2	60	190.2	54	206.2	43	244.4	61	430.0
Total	1,252	1,403.1	963	1,296.4	694	1,249.3	536	1,243.6	554	1,526.8	534	1,692.7	619	2,363.5	531	3,018.6	639	4,504.8

Source: PHC4.

* Per 100,000 population, 2003; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 14 Cause of Hospitalization by Intent, Number and Rate of Hospital Discharges, Pennsylvania, 2003

	Intent											
	Unintentional		Self-Inflicted		Assault		Undetermined		Other		Total	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Cut/Pierce	1,517	12.3	1,018	8.2	609	4.9	32	.3	.	.	3,176	25.7
Drowning/Submersion	70	.6	1	.	.	.	2	.	.	.	73	.6
Fall	61,661	498.7	61	.5	21	.2	35	.3	.	.	61,778	499.6
Fire/Flame	805	6.5	45	.4	9	.1	16	.1	.	.	875	7.1
Hot Object/Scald	1,049	8.5	11	.1	16	.1	6	.0	.	.	1,082	8.8
Firearm	258	2.1	110	.9	1,079	8.7	99	.8	22	.2	1,568	12.7
Machinery	753	6.1	.	.	.	.	.	.	.	.	753	6.1
MVT Occupant	10,732	86.8	.	.	.	.	.	.	.	.	10,732	86.8
MVT Motorcyclist	1,354	10.9	.	.	.	.	.	.	.	.	1,354	10.9
MVT Pedal Cyclist	341	2.8	.	.	.	.	.	.	.	.	341	2.8
MVT Pedestrian	1,422	11.5	.	.	.	.	.	.	.	.	1,422	11.5
MVT Unspecified	654	5.3	.	.	.	.	.	.	.	.	654	5.3
MVT Other	92	.7	25	.2	8	.1	1	.	.	.	126	1.0
Pedal cyclist, other	736	6.0	.	.	.	.	.	.	.	.	736	6.0
Pedestrian, other	120	1.0	.	.	.	.	.	.	.	.	120	1.0
Transport, other	1,838	14.9	.	.	.	.	.	.	.	.	1,838	14.9
Bites & Stings	1,930	15.6	.	.	91	.7	.	.	.	.	2,021	16.3
Other natural/env'tl factors	888	7.2	3	.	.	.	14	.1	.	.	905	7.3
Overexertion	2,392	19.3	.	.	.	.	.	.	.	.	2,392	19.3
Poisoning	4,990	40.4	7,091	57.3	4	.	1,777	14.4	.	.	13,862	112.1
Struck by, Against	3,016	24.4	.	.	1,767	14.3	.	.	29	.2	4,812	38.9
Suffocation	1,111	9.0	93	.8	17	.1	7	.1	.	.	1,228	9.9
Other specified & classifiable	5,679	45.9	34	.3	329	2.7	.	.	8	.1	6,050	48.9
Other specified, NEC	600	4.9	167	1.4	512	4.1	263	2.1	11	.1	1,553	12.6
Unspecified	8,456	68.4	40	.3	571	4.6	71	.6	3	.	9,141	73.9
Total	112,464	909.5	8,699	70.3	5,033	40.7	2,323	18.8	73	.6	128,592	1,039.9

Source: PHC4.

* Per 100,000 population, 2003; 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, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1	.	1	.	2	.
5-9	2	.	1	.	3	.
10-14	9	2.0	4	.	13	1.5
15-19	35	8.0	8	1.9	43	5.1
20-24	44	10.4	7	1.7	51	6.0
25-29	29	8.3	13	3.8	42	6.0
30-34	27	6.9	7	1.8	34	4.4
35-39	25	5.8	15	3.4	40	4.6
40-44	32	6.6	7	1.4	39	4.0
45-49	32	6.6	16	3.2	48	4.9
50-54	34	8.0	14	3.2	48	5.6
55-59	34	9.8	8	2.2	42	5.9
60-64	28	10.5	2	.	30	5.3
65-69	18	8.5	7	2.8	25	5.4
70-74	22	11.4	13	5.1	35	7.8
75-79	13	7.6	13	5.3	26	6.2
80-84	20	17.6	16	8.2	36	11.6
85+	18	23.1	28	14.8	46	17.3
All Ages	423	7.1	180	2.8	603	4.9

Source: PHC4.

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

** Per 100,000 population, 2003; 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, 2003*

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	337	93.7	210	60.9	547	77.6
5-9	264	68.3	147	39.9	411	54.4
10-14	421	95.9	191	45.8	612	71.5
15-19	976	223.4	460	111.2	1,436	168.8
20-24	944	222.8	366	86.9	1,310	155.1
25-29	577	164.9	217	62.8	794	114.2
30-34	557	142.8	220	56.4	777	99.6
35-39	582	134.4	285	64.4	867	99.0
40-44	658	135.8	292	58.5	950	96.6
45-49	665	137.8	275	55.5	940	96.1
50-54	512	121.2	240	54.8	752	87.4
55-59	435	125.6	203	54.9	638	89.1
60-64	379	142.3	200	67.4	579	102.8
65-69	328	155.0	237	94.7	565	122.3
70-74	415	214.5	394	155.6	809	181.1
75-79	480	281.2	597	242.3	1,077	258.2
80-84	501	441.4	761	387.8	1,262	407.4
85+	511	657.0	1,057	560.5	1,568	588.7
All Ages	9,542	159.3	6,352	99.6	15,894	128.5

Source: PHC4.

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

** Per 100,000 population, 2003; totals exclude missing data.

Table 17 Hospital Discharges for Hip Fractures* by Age Group and Gender, Number and Rate, Pennsylvania, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	9	2.5	10	2.9	19	2.7
5-9	15	3.9	8	2.2	23	3.0
10-14	30	6.8	8	1.9	38	4.4
15-19	27	6.2	6	1.5	33	3.9
20-24	37	8.7	9	2.1	46	5.4
25-29	27	7.7	7	2.0	34	4.9
30-34	33	8.5	13	3.3	46	5.9
35-39	32	7.4	16	3.6	48	5.5
40-44	61	12.6	33	6.6	94	9.6
45-49	70	14.5	62	12.5	132	13.5
50-54	108	25.6	108	24.7	216	25.1
55-59	146	42.1	155	41.9	301	42.0
60-64	172	64.6	248	83.6	420	74.6
65-69	221	104.4	397	158.7	618	133.8
70-74	403	208.3	800	315.9	1,203	269.3
75-79	636	372.6	1,757	713.0	2,393	573.7
80-84	884	778.9	2,691	1,371.2	3,575	1,154.2
85+	1,289	1,657.3	5,016	2,659.9	6,305	2,367.1
All Ages	4,200	70.1	11,344	177.9	15,544	125.7

Source: PHC4.

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

** Per 100,000 population, 2003; totals exclude missing data.

Table 18 Hospital Discharges for Falls* by Age Group and Gender, Number and Rate, Pennsylvania, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	372	103.4	263	76.2	635	90.1
5-9	328	84.9	204	55.4	532	70.5
10-14	333	75.8	142	34.0	475	55.5
15-19	327	74.9	162	39.2	489	57.5
20-24	315	74.3	159	37.8	474	56.1
25-29	308	88.0	174	50.4	482	69.3
30-34	417	106.9	240	61.5	657	84.2
35-39	512	118.2	320	72.3	832	95.0
40-44	769	158.7	424	85.0	1,193	121.3
45-49	882	182.7	602	121.4	1,484	151.7
50-54	954	225.8	713	162.8	1,667	193.8
55-59	886	255.8	819	221.5	1,705	238.1
60-64	818	307.1	1,028	346.5	1,846	327.9
65-69	958	452.6	1,375	549.6	2,333	505.2
70-74	1,372	709.1	2,228	879.8	3,600	805.9
75-79	1,841	1,078.7	4,046	1,641.8	5,887	1,411.4
80-84	2,256	1,987.7	5,376	2,739.4	7,632	2,464.0
85+	2,820	3,625.7	9,403	4,986.2	12,223	4,588.9
All Ages	16,468	275.0	27,678	434.0	44,146	357.0

Source: PHC4.

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

** Per 100,000 population, 2003; totals exclude missing data.

Table 19 Hospital Discharges for Bicycle Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	10	2.8	5	1.4	15	2.1
5-9	112	29.0	48	13.0	160	21.2
10-14	246	56.0	48	11.5	294	34.3
15-19	132	30.2	17	4.1	149	17.5
20-24	41	9.7	10	2.4	51	6.0
25-29	26	7.4	7	2.0	33	4.7
30-34	34	8.7	10	2.6	44	5.6
35-39	45	10.4	10	2.3	55	6.3
40-44	46	9.5	14	2.8	60	6.1
45-49	53	11.0	13	2.6	66	6.7
50-54	34	8.0	8	1.8	42	4.9
55-59	22	6.4	4	.	26	3.6
60-64	25	9.4	4	.	29	5.2
65-69	12	5.7	6	2.4	18	3.9
70-74	6	3.1	4	.	10	2.2
75-79	13	7.6	4	.	17	4.1
80-84	2	.	2	.	4	.
85+	4	.	0	.	4	.
All Ages	863	14.4	214	3.4	1,077	8.7

Source: PHC4.

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

** Per 100,000 population, 2003; 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, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	151	42.0	125	36.2	276	39.2
5-9	32	8.3	23	6.2	55	7.3
10-14	88	20.0	169	40.5	257	30.0
15-19	570	130.5	748	180.8	1,318	155.0
20-24	662	156.2	716	170.1	1,378	163.1
25-29	550	157.2	558	161.5	1,108	159.4
30-34	610	156.4	665	170.3	1,275	163.4
35-39	725	167.4	821	185.6	1,546	176.6
40-44	813	167.8	942	188.8	1,755	178.5
45-49	692	143.4	764	154.1	1,456	148.8
50-54	469	111.0	444	101.4	913	106.1
55-59	304	87.8	285	77.1	589	82.3
60-64	190	71.3	227	76.5	417	74.1
65-69	140	66.1	186	74.4	326	70.6
70-74	120	62.0	183	72.3	303	67.8
75-79	126	73.8	183	74.3	309	74.1
80-84	103	90.7	213	108.5	316	102.0
85+	78	100.3	187	99.2	265	99.5
All Ages	6,423	107.3	7,439	116.7	13,862	112.1

Source: PHC4.

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

** Per 100,000 population, 2003; totals exclude missing data.

Table 21 Hospital Discharges for Fire & Burn Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	161	44.8	106	30.7	267	37.9
5-9	52	13.5	21	5.7	73	9.7
10-14	40	9.1	12	2.9	52	6.1
15-19	96	22.0	16	3.9	112	13.2
20-24	77	18.2	37	8.8	114	13.5
25-29	61	17.4	34	9.8	95	13.7
30-34	66	16.9	32	8.2	98	12.6
35-39	91	21.0	43	9.7	134	15.3
40-44	98	20.2	46	9.2	144	14.6
45-49	115	23.8	45	9.1	160	16.4
50-54	72	17.0	38	8.7	110	12.8
55-59	74	21.4	40	10.8	114	15.9
60-64	36	13.5	38	12.8	74	13.1
65-69	35	16.5	31	12.4	66	14.3
70-74	41	21.2	43	17.0	84	18.8
75-79	40	23.4	41	16.6	81	19.4
80-84	45	39.6	51	26.0	96	31.0
85+	17	21.9	52	27.6	69	25.9
All Ages	1,217	20.3	726	11.4	1,943	15.7

Source: PHC4.

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

** Per 100,000 population, 2003; totals exclude missing data.

Table 22 Hospital Discharges for Firearm Injuries* by Age Group and Gender, Number and Rate, Pennsylvania, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	3	.	2	.	5	.7
5-9	4	.	0	.	4	.
10-14	25	5.7	5	1.2	30	3.5
15-19	284	65.0	24	5.8	308	36.2
20-24	371	87.6	21	5.0	392	46.4
25-29	239	68.3	22	6.4	261	37.5
30-34	153	39.2	8	2.0	161	20.6
35-39	103	23.8	10	2.3	113	12.9
40-44	86	17.8	18	3.6	104	10.6
45-49	57	11.8	15	3.0	72	7.4
50-54	42	9.9	2	.	44	5.1
55-59	22	6.4	2	.	24	3.4
60-64	10	3.8	2	.	12	2.1
65-69	7	3.3	3	.	10	2.2
70-74	7	3.6	1	.	8	1.8
75-79	8	4.7	0	.	8	1.9
80-84	6	5.3	1	.	7	2.3
85+	7	9.0	0	.	7	2.6
All Ages	1,434	23.9	136	2.1	1,570	12.7

Source: PHC4.

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

** Per 100,000 population, 2003; 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, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	0	.	1	.	1	.
5-9	0	.	0	.	0	.
10-14	3	.	1	.	4	.
15-19	22	6.0	5	1.4	27	3.8
20-24	59	16.5	6	1.7	65	9.1
25-29	29	9.9	5	1.8	34	5.9
30-34	32	9.8	1	.	33	5.1
35-39	27	7.2	2	.	29	3.9
40-44	32	7.5	6	1.4	38	4.4
45-49	29	6.7	6	1.4	35	4.0
50-54	18	4.7	1	.	19	2.5
55-59	11	3.5	2	.	13	2.0
60-64	8	3.3	1	.	9	1.8
65-69	6	3.1	1	.	7	1.7
70-74	5	2.8	1	.	6	1.5
75-79	7	4.4	0	.	7	1.8
80-84	5	4.7	1	.	6	2.1
85+	4	.	0	.	4	.
All Ages	297	5.7	40	.7	337	3.2

Source: PHC4.

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

** Per 100,000 population, 2003; 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, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	2	.	1	.	3	.
5-9	3	.	0	.	3	.
10-14	13	21.1	4	.	17	14.1
15-19	228	417.0	16	30.9	244	229.1
20-24	269	545.8	12	24.4	281	285.2
25-29	185	466.8	14	32.7	199	241.3
30-34	106	245.7	7	14.9	113	125.4
35-39	64	145.1	5	10.0	69	73.3
40-44	35	77.3	10	19.2	45	46.2
45-49	21	51.0	4	.	25	28.0
50-54	20	59.6	1	.	21	28.3
55-59	7	28.5	0	.	7	12.6
60-64	1	.	0	.	1	.
65-69	0	.	2	.	2	.
70-74	2	.	0	.	2	.
75-79	0	.	0	.	0	.
80-84	0	.	0	.	0	.
85+	2	.	0	.	2	.
All Ages	958	158.5	76	11.3	1,034	80.8

Source: PHC4.

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

** Per 100,000 population, 2003; 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, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	93	25.9	64	18.6	157	22.3
5-9	20	5.2	7	1.9	27	3.6
10-14	84	19.1	24	5.8	108	12.6
15-19	516	118.1	97	23.4	613	72.1
20-24	791	186.7	120	28.5	911	107.8
25-29	518	148.1	116	33.6	634	91.2
30-34	419	107.5	109	27.9	528	67.7
35-39	413	95.4	114	25.8	527	60.2
40-44	425	87.7	122	24.5	547	55.6
45-49	313	64.8	79	15.9	392	40.1
50-54	182	43.1	36	8.2	218	25.3
55-59	100	28.9	27	7.3	127	17.7
60-64	61	22.9	15	5.1	76	13.5
65-69	21	9.9	11	4.4	32	6.9
70-74	17	8.8	20	7.9	37	8.3
75-79	14	8.2	11	4.5	25	6.0
80-84	12	10.6	20	10.2	32	10.3
85+	21	27.0	12	6.4	33	12.4
All Ages	4,020	67.1	1,004	15.7	5,024	40.6

Source: PHC4.

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

** Per 100,000 population, 2003; totals exclude missing data.

Table 26 Hospital Discharges for Assaults* by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	50	17.2	28	10.0	78	13.7
5-9	6	1.9	2	.	8	1.3
10-14	22	6.1	12	3.5	34	4.8
15-19	147	40.2	29	8.4	176	24.8
20-24	287	80.5	46	13.0	333	46.9
25-29	165	56.4	51	17.9	216	37.4
30-34	149	45.4	44	13.5	193	29.6
35-39	150	40.1	45	11.9	195	26.0
40-44	165	38.8	65	15.0	230	26.8
45-49	124	28.8	40	9.2	164	18.9
50-54	75	19.8	22	5.7	97	12.7
55-59	43	13.7	17	5.1	60	9.3
60-64	32	13.2	12	4.5	44	8.7
65-69	11	5.7	10	4.5	21	5.0
70-74	7	3.9	17	7.4	24	5.9
75-79	10	6.3	11	4.8	21	5.4
80-84	9	8.4	15	8.2	24	8.3
85+	13	17.8	8	4.5	21	8.4
All Ages	1,465	28.2	474	8.6	1,939	18.1

Source: PHC4.

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

** Per 100,000 population, 2003; 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, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	28	56.3	28	58.8	56	57.5
5-9	13	24.5	4	.	17	16.4
10-14	40	65.0	8	13.5	48	39.7
15-19	290	530.3	50	96.5	340	319.2
20-24	399	809.6	62	125.9	461	467.8
25-29	281	709.0	50	116.7	331	401.4
30-34	207	479.9	49	104.3	256	284.1
35-39	207	469.2	52	104.1	259	275.3
40-44	198	437.0	50	95.9	248	254.5
45-49	156	378.7	30	62.4	186	208.5
50-54	94	280.1	12	29.5	106	142.7
55-59	44	178.9	8	25.8	52	93.6
60-64	22	120.4	1	.	23	53.4
65-69	9	60.7	1	.	10	27.6
70-74	8	66.0	3	.	11	34.9
75-79	4	.	0	.	4	.
80-84	1	.	4	.	5	28.4
85+	5	129.3	4	.	9	63.4
All Ages	2,006	331.8	416	61.6	2,422	189.3

Source: PHC4.

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

** Per 100,000 population, 2003; 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, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	0	.	0	.	0	.
5-9	1	.	3	.	4	.
10-14	46	10.5	162	38.8	208	24.3
15-19	410	93.9	677	163.7	1,087	127.8
20-24	519	122.5	626	148.7	1,145	135.5
25-29	436	124.6	462	133.7	898	129.2
30-34	445	114.1	538	137.8	983	126.0
35-39	466	107.6	634	143.3	1,100	125.6
40-44	459	94.8	660	132.3	1,119	113.8
45-49	368	76.2	488	98.4	856	87.5
50-54	216	51.1	256	58.5	472	54.9
55-59	141	40.7	163	44.1	304	42.5
60-64	69	25.9	96	32.4	165	29.3
65-69	42	19.8	57	22.8	99	21.4
70-74	34	17.6	42	16.6	76	17.0
75-79	33	19.3	48	19.5	81	19.4
80-84	26	22.9	32	16.3	58	18.7
85+	18	23.1	24	12.7	42	15.8
All Ages	3,729	62.3	4,968	77.9	8,697	70.3

Source: PHC4.

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

** Per 100,000 population, 2003; 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, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	0	.	0	.	0	.
5-9	1	.	2	.	3	.
10-14	37	10.2	129	37.7	166	23.6
15-19	360	98.6	533	154.1	893	125.6
20-24	427	119.7	493	139.3	920	129.5
25-29	343	117.2	347	121.7	690	119.4
30-34	327	99.6	458	141.0	785	120.2
35-39	362	96.8	534	141.7	896	119.3
40-44	374	87.8	552	127.6	926	107.9
45-49	310	72.1	414	95.1	724	83.7
50-54	184	48.5	218	56.4	402	52.5
55-59	123	39.1	147	44.5	270	41.9
60-64	62	25.6	92	34.6	154	30.3
65-69	35	18.1	54	24.1	89	21.3
70-74	29	16.2	41	17.8	70	17.1
75-79	26	16.3	43	18.9	69	17.8
80-84	23	21.6	32	17.5	55	19.0
85+	17	23.2	22	12.4	39	15.6
All Ages	3,040	58.6	4,111	74.7	7,151	66.9

Source: PHC4.

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

** Per 100,000 population, 2003; 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, 2003

Age Group (Years)	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	0	.	0	.	0	.
5-9	0	.	1	.	1	.
10-14	7	11.4	20	33.7	27	22.3
15-19	26	47.5	69	133.1	95	89.2
20-24	60	121.7	71	144.2	131	132.9
25-29	57	143.8	82	191.5	139	168.6
30-34	74	171.5	52	110.7	126	139.8
35-39	81	183.6	70	140.1	151	160.5
40-44	55	121.4	81	155.4	136	139.6
45-49	46	111.7	49	102.0	95	106.5
50-54	21	62.6	20	49.1	41	55.2
55-59	9	36.6	13	42.0	22	39.6
60-64	5	27.4	3	.	8	18.6
65-69	4	.	1	.	5	13.8
70-74	4	.	0	.	4	.
75-79	2	.	3	.	5	19.1
80-84	2	.	0	.	2	.
85+	0	.	2	.	2	.
All Ages	453	74.9	537	79.6	990	77.4

Source: PHC4.

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

** Per 100,000 population, 2003; 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) |
|---|---|

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. Additionally, 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 2003. 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/flammes	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 2003.

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 objective 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 2003.

Healthy People Year 2010 Objective	Pennsylvania Rate*, 2003	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 94.8 per 100,000 people.	2.11
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 5.4 per 100,000 people.	2.25
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 972.5 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 524.8 per 100,000 people.	1.11

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

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