

INJURIES IN PENNSYLVANIA

Hospital Discharges 1997

WE'RE THERE.

For Your Health. For Your Community.

DEPARTMENT OF
HEALTH
Tom Ridge, Governor

Injuries in Pennsylvania



Hospital Discharges 1997

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

March 2001

Acknowledgments

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

The Pennsylvania Department of Health financed this report under a contract funded by the Preventive Health and Health Services Block Grant. Hospital discharge data were provided by the Pennsylvania Health Care Cost Containment Council (PHC4).

Copies of this document may be obtained by contacting:

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

On the Internet: <http://www.health.state.pa.us/php/InjPrev>

Suggested Citation

Strotmeyer SJ, Weiss HB, Davis NL, Zuri K. Injuries in Pennsylvania: Hospital Discharges, 1997. Pittsburgh, Pennsylvania: Center for Injury Research and Control (CIRCL), Department of Neurological Surgery, University of Pittsburgh, 2000.

This publication was supported by the Preventive Health and Health Services Block Grant from the Centers for Disease Control and Prevention (CDC). Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the CDC.

Data used in this report were provided to the Pennsylvania Department of Health by the Pennsylvania Health Care Cost Containment Council. The Pennsylvania Health Care Cost Containment Council specifically disclaims responsibility for any interpretations or conclusions.

This monograph was funded, in part, under a contract administered by the Pennsylvania Department of Health. The Department specifically disclaims responsibility for any interpretations or conclusions. Contents may be republished or reproduced whole or in part, with attribution.

Table of Contents

<i>Acknowledgments</i>	<i>ii</i>
<i>Table of Contents</i>	<i>iii</i>
<i>List of Figures</i>	<i>iv</i>
<i>List of Tables</i>	<i>v</i>
<i>List of Abbreviations and Special Symbols</i>	<i>vii</i>
<i>Executive Summary</i>	<i>8</i>
<i>Fact Sheet</i>	<i>9</i>
<i>Narrative</i>	<i>10</i>
<i>Overview of Monograph</i>	<i>10</i>
<i>Background to the Pennsylvania E-code Project</i>	<i>10</i>
<i>Data Source</i>	<i>10</i>
<i>Data Limitations</i>	<i>11</i>
<i>Data Analysis</i>	<i>12</i>
<i>Graphical Highlights</i>	<i>13</i>
<i>Detailed Tables of Statewide Data</i>	<i>18</i>
<i>Appendices</i>	<i>47</i>
<i>Appendix A Technical Notes on Methods</i>	<i>47</i>
<i>Appendix B ICD-9-CM Categories</i>	<i>48</i>
<i>Appendix C Categories of Specific Mechanisms</i>	<i>49</i>
<i>Appendix D Diagnostic Categories (ICD-9-CM Diagnosis Codes)</i>	<i>50</i>
<i>Appendix E Healthy People (Year) 2000 Objectives</i>	<i>51</i>
<i>References</i>	<i>52</i>

List of Figures

<i>Figure 1 Hospital Discharge Rates by Race-Gender and Age Group, Pennsylvania, 1997</i>	<i>13</i>
<i>Figure 2 Hospital Discharges for Ten Leading Injury Mechanisms, Pennsylvania, 1997</i>	<i>14</i>
<i>Figure 3 Hospital Discharges for Falls by Age Group and Gender, Pennsylvania,</i>	<i>15</i>
<i>Figure 4 Hospital Discharges for Motor Vehicle-related Injuries by Age Group and Gender, Pennsylvania, 1997</i>	<i>16</i>
<i>Figure 5 Hospital Discharges for Poisonings by Age Group and Gender, Pennsylvania, 1997</i>	<i>17</i>

List of Tables

<i>Table 1 Hospital Discharges for all Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1997</i>	<i>18</i>
<i>Table 2 Hospital Discharges for all Injuries by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 1997</i>	<i>19</i>
<i>Table 3 Hospital Discharges for all Injuries by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 1997</i>	<i>20</i>
<i>Table 4 Cause of Hospitalization by Age Group (0-44), Number and Rate, Pennsylvania, 1997</i>	<i>20</i>
<i>Table 5 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Pennsylvania, 1997</i>	<i>21</i>
<i>Table 6 Cause of Hospitalization by Age Group (0-44), Number and Rate, Males, Pennsylvania, 1997</i>	<i>22</i>
<i>Table 7 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Males, Pennsylvania, 1997</i>	<i>23</i>
<i>Table 8 Cause of Hospitalization by Age Group (0-44), Number and Rate, Females, Pennsylvania, 1997</i>	<i>24</i>
<i>Table 9 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Females, Pennsylvania, 1997</i>	<i>25</i>
<i>Table 10 Cause of Hospitalization by Age Group (0-44), Number and Rate, White Race, Pennsylvania, 1997</i>	<i>26</i>
<i>Table 11 Cause of Hospitalization by Age Group (45-85+), Number and Rate, White Race, Pennsylvania, 1997</i>	<i>27</i>
<i>Table 12 Cause of Hospitalization by Age Group (0-44), Number and Rate, Black Race, Pennsylvania, 1997</i>	<i>28</i>
<i>Table 13 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Black Race, Pennsylvania, 1997</i>	<i>29</i>
<i>Table 14 Cause of Hospitalization by Intent, Number and Rate of Hospital Discharges, Pennsylvania, 1997</i>	<i>30</i>
<i>Table 15 Hospital Discharges for Spinal Cord Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1997</i>	<i>31</i>

<i>Table 16 Hospital Discharges for Head Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1997</i>	32
<i>Table 17 Hospital Discharges for Hip Fractures by Age Group and Gender, Number and Rate, Pennsylvania, 1997</i>	33
<i>Table 18 Hospital Discharges for Falls by Age Group and Gender, Number and Rate, Pennsylvania, 1997</i>	34
<i>Table 19 Hospital Discharges for Bicycle Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1997</i>	35
<i>Table 20 Hospital Discharges for Poisonings by Age Group and Gender, Number and Rate, Pennsylvania, 1997</i>	36
<i>Table 21 Hospital Discharges for Fire & Burn Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1997</i>	37
<i>Table 22 Hospital Discharges for Firearm Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1997</i>	38
<i>Table 23 Hospital Discharges for Firearm Injuries by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 1997</i>	39
<i>Table 24 Hospital Discharges for Firearm Injuries by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 1997</i>	40
<i>Table 25 Hospital Discharges for Assaults by Age Group and Gender, Number and Rate, Pennsylvania, 1997</i>	41
<i>Table 26 Hospital Discharges for Assaults by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 1997</i>	42
<i>Table 27 Hospital Discharges for Assaults by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 1997</i>	43
<i>Table 28 Hospital Discharges for Self-inflicted Injuries by Age Group and Gender, Number and Rate, Pennsylvania, 1997</i>	44
<i>Table 29 Hospital Discharges for Self-inflicted Injuries by Age Group and Gender, Number and Rate, White Race, Pennsylvania, 1997</i>	45
<i>Table 30 Hospital Discharges for Self-inflicted Injuries by Age Group and Gender, Number and Rate, Black Race, Pennsylvania, 1997</i>	46

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 1997, 120,863 reported injury cases to Pennsylvania residents were discharged from hospitals in the Commonwealth of Pennsylvania, a rate of 1,007.4 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 994.3 compared to 1,019.4 for females. The rate in Blacks was 1.3 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 1997, a total of 120,863 injury hospital discharges were reported by Pennsylvania hospitals, representing an injury hospital discharge rate of 1,007.4 per 100,000 persons.
- Males experienced an overall rate of 994.3 per 100,000 persons compared with a female rate of 1,019.4 per 100,000 persons.
- The overall injury rate for Blacks was 1.3 times that of Whites.
- Falls accounted for 42.4% 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 72.2 and 45.4 per 100,000 persons, respectively.
- The hospital discharge rate from assaults for Blacks was 14 times that of Whites.
- Among Pennsylvanians ages 15-19 years old, 340 out of every 100,000 Blacks were discharged from a hospital as a result of a firearm-related injury.
- The hospital discharge rate for nonfatal spinal cord injuries in Pennsylvania was 10% lower than the national rate set as the target for the Year 2000.
- The hospital discharge rate for nonfatal head injuries in Pennsylvania was 10% 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 58% 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 (CIRC). The goal of this ongoing project is to promote the accurate and complete collection and use of external cause-of-injury codes (E-codes) from the State Hospital Discharge Data (HDD) system and other data sources through educational, informational, and analytic efforts. E-codes provide a supplementary classification to the ICD-9-CM to identify environmental events, circumstances, and conditions as the cause of injury.

The main activities under the project include the following:

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

Data Source

The 1997 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 1997 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.

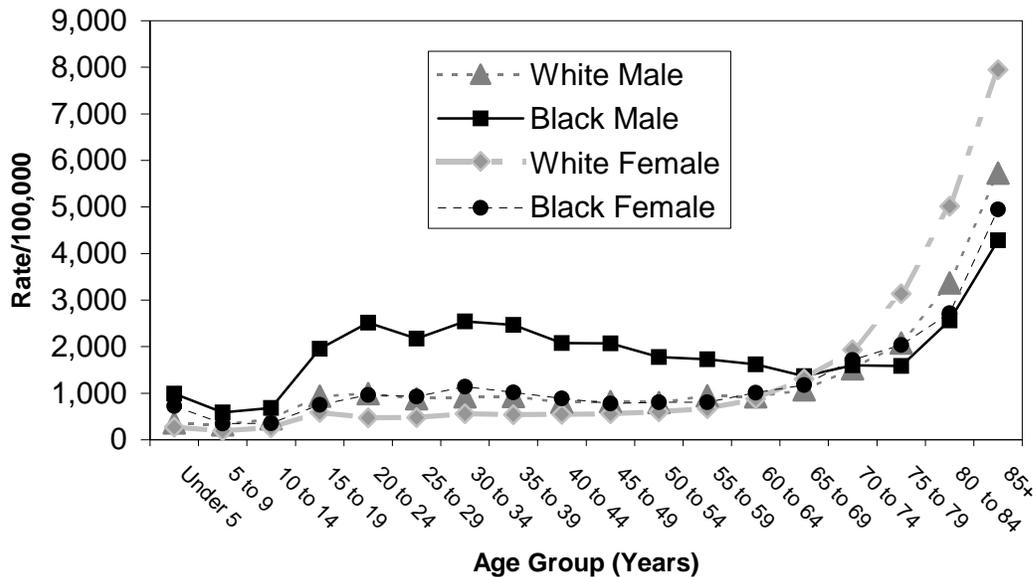
Data Analysis

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

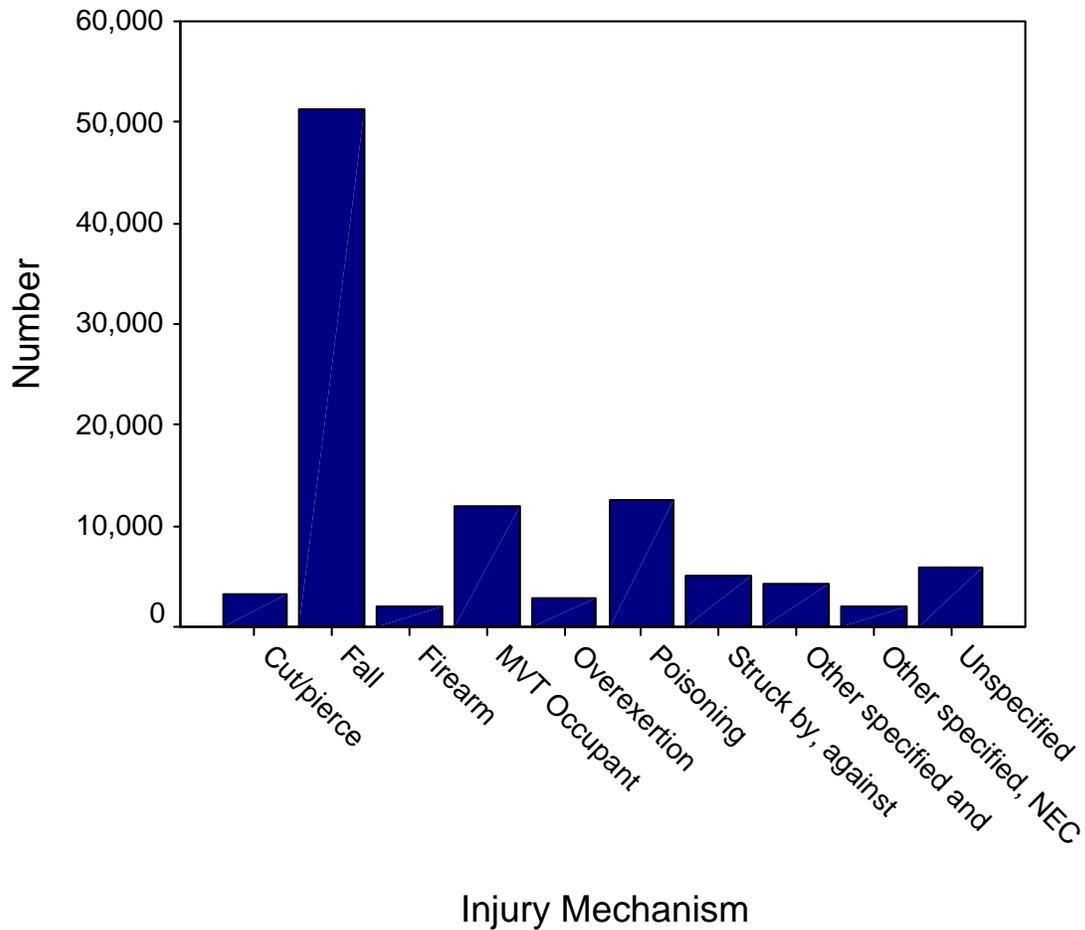
Figure 1 Hospital Discharge Rates by Race-Gender and Age Group, Pennsylvania, 1997



Source: PHC4.

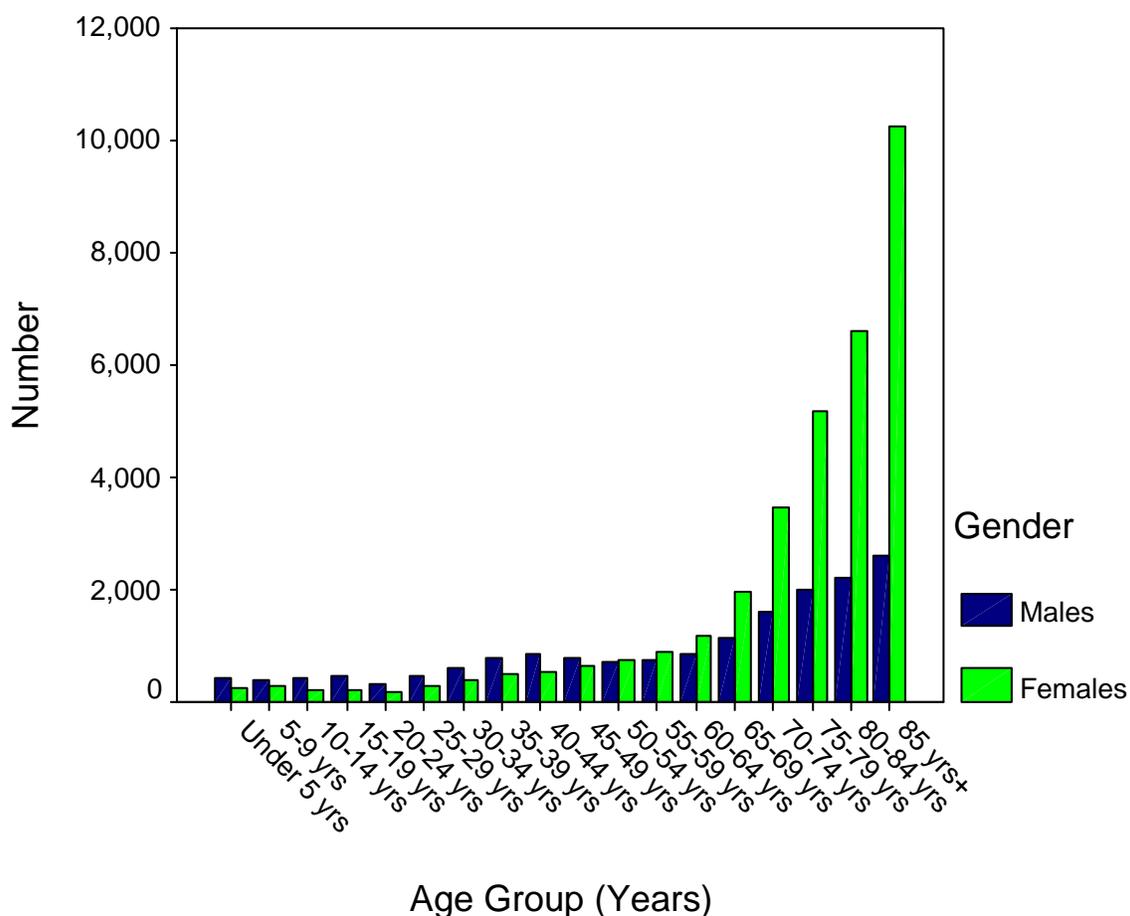
- ❑ Overall, the injury hospital discharge rate for males (994.3 per 100,000 persons) was significantly lower (Pearson χ^2 test) than that of females (1,019.5 per 100,000).
- ❑ Among Black persons, males experienced a higher injury hospital discharge rate than females from birth to age 70 years, after which the trend reversed.
- ❑ Among White persons, males experienced a higher injury hospital discharge rate than females from birth to age 65 years.
- ❑ Overall injury hospital discharge rate for Blacks was 1.3 times that of Whites.

Figure 2 Hospital Discharges for Ten Leading Injury Mechanisms, Pennsylvania, 1997



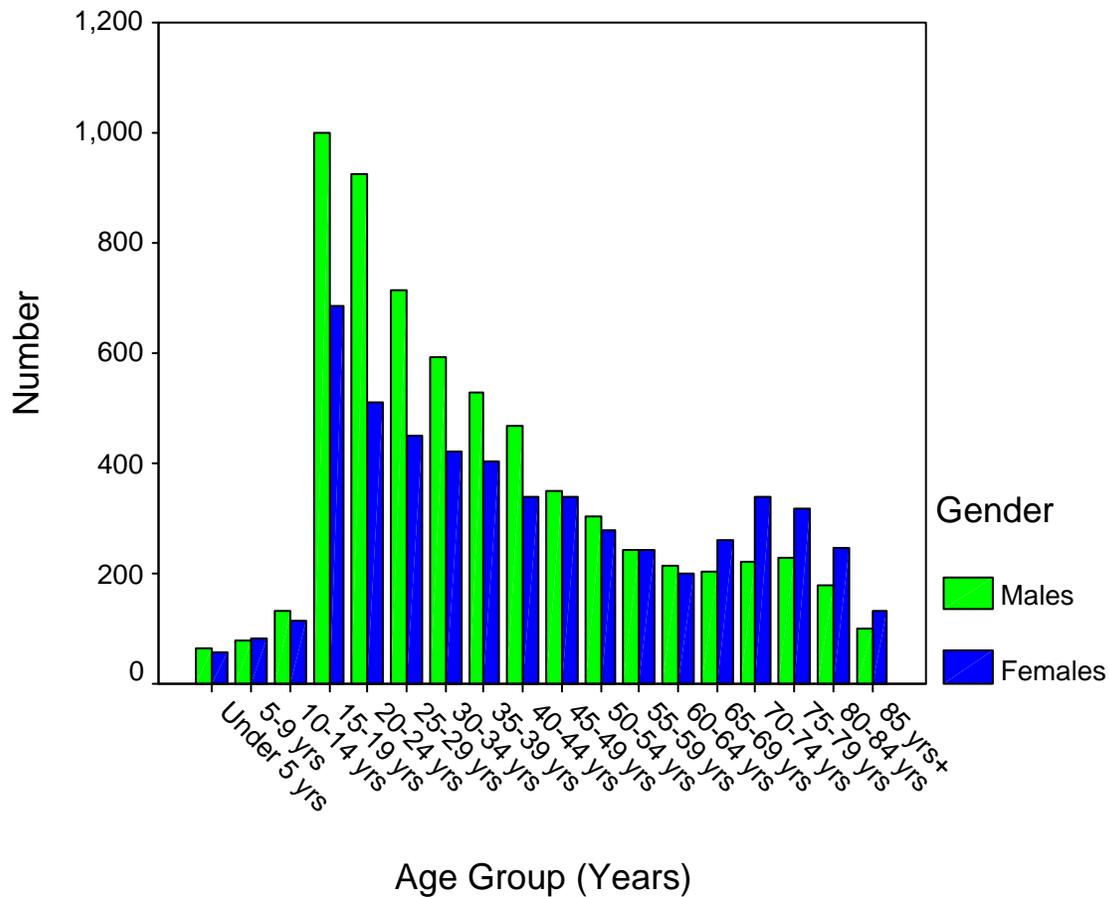
- The 3 leading causes for injury-related hospital discharges among Pennsylvanians continues to be falls, poisonings and motor vehicle-related.
- Note that out of these 10 leading mechanisms, 3 are categorized as 'other' or 'unspecified'.

Figure 3 Hospital Discharges for Falls by Age Group and Gender, Pennsylvania, 1997



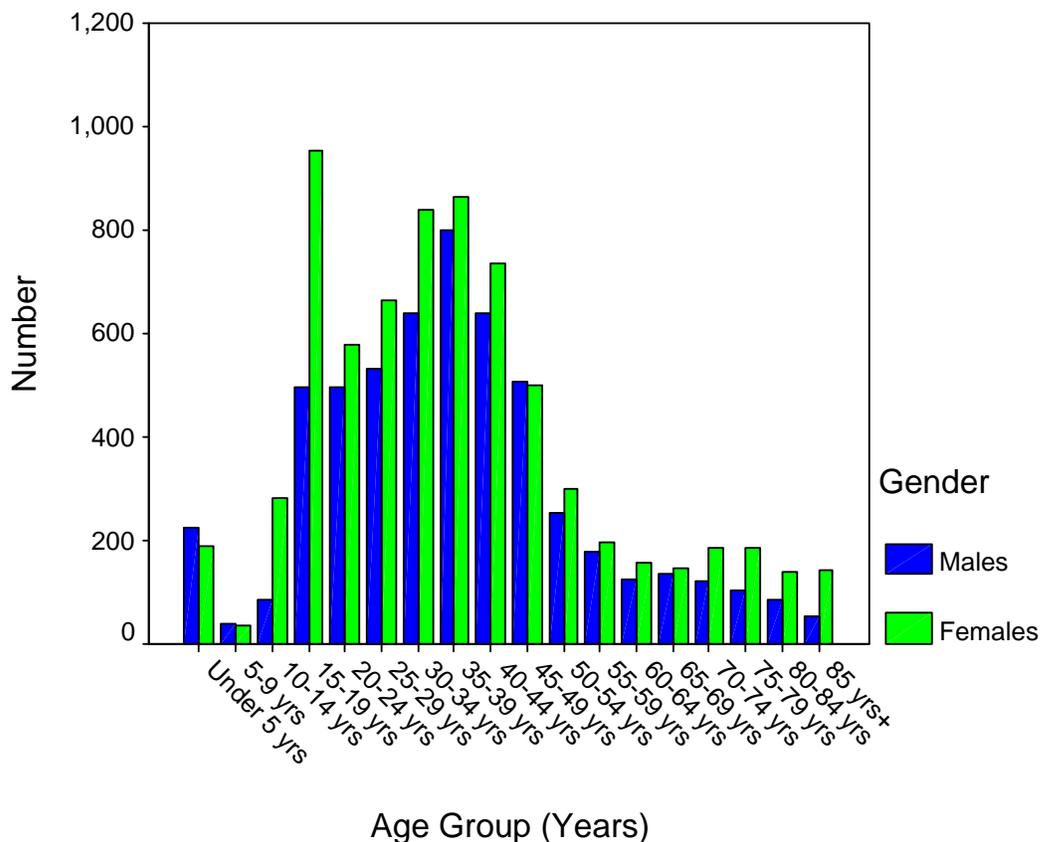
- ❑ The frequency distribution of hospital discharges from falls demonstrates an increasing trend with age.
- ❑ Among persons under 45 years, the frequency of hospital discharges from falls was higher in males.
- ❑ After age 55 years, females demonstrate increasingly higher frequencies of hospitalizations from falls than do males.
- ❑ The greatest disparity in frequency of falls by gender was among older persons aged 85 years and older.

Figure 4 Hospital Discharges for Motor Vehicle-related Injuries by Age Group and Gender, Pennsylvania, 1997



- ❑ 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, 1997



- ❑ The most frequent hospital discharges from poisonings was among females ages 15-19 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1,652	438.3	1,165	325.5	2,817	383.4
5-9	1,444	345.1	878	220.9	2,322	284.6
10-14	1,968	468.1	1,120	279.4	3,088	376.0
15-19	4,468	1,080.4	2,640	665.8	7,108	877.4
20-24	4,171	1,174.0	1,883	532.5	6,054	854.0
25-29	4,013	1,014.7	2,101	513.7	6,114	760.0
30-34	4,289	1,015.0	2,558	585.9	6,847	797.0
35-39	4,696	984.8	2,762	555.0	7,458	765.3
40-44	4,291	896.8	2,476	503.3	6,767	697.3
45-49	3,426	835.6	2,327	534.5	5,753	680.6
50-54	2,659	796.6	2,031	560.2	4,690	673.5
55-59	2,267	868.6	1,980	680.1	4,247	769.2
60-64	2,131	927.6	2,253	856.3	4,384	889.5
65-69	2,414	1,031.3	3,341	1,156.2	5,755	1,100.3
70-74	2,995	1,414.4	5,350	1,902.1	8,345	1,692.7
75-79	3,475	2,119.5	7,348	2,997.4	10,823	2,645.6
80-84	3,366	3,488.9	8,631	4,956.9	11,997	4,433.5
85+	3,528	5,953.9	12,762	8,180.3	16,290	7,567.5
All Ages	57,253	994.3	63,606	1,019.4	120,859	1,007.4

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	999	330.0	701	245.0	1,700	288.7
5-9	923	270.8	602	186.6	1,525	229.9
10-14	1,436	409.3	818	245.5	2,254	329.5
15-19	3,050	884.3	1,985	599.4	5,035	744.8
20-24	2,659	897.0	1,299	443.1	3,958	671.3
25-29	2,590	777.5	1,430	418.6	4,020	595.8
30-34	2,852	790.3	1,783	481.0	4,635	633.6
35-39	3,217	777.9	2,039	474.5	5,256	623.3
40-44	2,987	707.7	1,880	438.3	4,867	571.9
45-49	2,426	663.8	1,772	465.0	4,198	562.3
50-54	2,027	672.9	1,622	504.4	3,649	585.9
55-59	1,753	745.8	1,583	615.1	3,336	677.5
60-64	1,662	798.0	1,838	783.7	3,500	790.4
65-69	1,994	931.8	2,829	1,084.4	4,823	1,015.6
70-74	2,521	1,285.6	4,613	1,782.5	7,134	1,568.3
75-79	3,043	1,987.9	6,488	2,852.3	9,531	2,504.6
80-84	2,949	3,252.8	7,656	4,698.8	10,605	4,181.8
85+	3,099	5,644.6	11,290	7,769.0	14,389	7,186.5
All Ages	42,187	846.4	52,228	969.5	94,415	910.3

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	406	856.8	284	618.8	690	739.7
5-9	306	578.3	163	317.2	469	449.7
10-14	269	570.1	155	338.0	424	455.7
15-19	817	1,789.4	297	683.4	1,114	1,250.0
20-24	851	2,277.3	346	887.7	1,197	1,567.8
25-29	835	2,049.3	394	884.2	1,229	1,440.7
30-34	853	2,107.4	478	1,081.6	1,331	1,572.0
35-39	940	2,193.4	441	926.7	1,381	1,527.0
40-44	804	2,068.8	340	756.3	1,144	1,364.8
45-49	616	1,993.7	299	764.5	915	1,307.0
50-54	341	1,536.6	200	681.9	541	1,050.0
55-59	291	1,591.6	184	719.3	475	1,082.9
60-64	233	1,495.8	210	942.9	443	1,170.4
65-69	214	1,343.4	231	1,016.0	445	1,150.9
70-74	214	1,676.9	277	1,489.9	491	1,566.0
75-79	145	1,618.7	273	1,838.8	418	1,755.9
80-84	124	2,641.1	272	2,909.1	396	2,819.5
85+	107	3,142.4	433	4,797.3	540	4,344.0
All Ages	8,366	1,590.0	5,277	882.8	13,643	1,213.9

Source: PHC4.

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

** Per 100,000 population, 1997; totals exclude missing data.

. Rate not calculated for <5 observations.

Table 4 Cause of Hospitalization by Age Group (0-44), Number and Rate, Pennsylvania, 1997

	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	83	11.3	99	12.1	135	16.4	302	37.3	387	54.6	385	47.9	418	48.7	406	41.7	310	31.9
Drowning/Submersion	34	4.6	7	.9	6	.7	4	.	2	.	4	.	3	.	3	.	1	.
Fall	700	95.3	680	83.3	619	75.4	711	87.8	523	73.8	724	90.0	975	113.5	1,280	131.3	1,378	142.0
Fire/Flame	35	4.8	40	4.9	35	4.3	38	4.7	54	7.6	42	5.2	61	7.1	70	7.2	67	6.9
Hot Object/Scald	244	33.2	44	5.4	16	1.9	26	3.2	52	7.3	60	7.5	64	7.4	75	7.7	68	7.0
Firearm	12	1.6	11	1.3	39	4.7	417	51.5	439	61.9	330	41.0	216	25.1	155	15.9	120	12.4
Machinery	16	2.2	11	1.3	11	1.3	43	5.3	56	7.9	70	8.7	105	12.2	104	10.7	109	11.2
MV Occupant	119	16.2	161	19.7	244	29.7	1,687	208.3	1,438	202.9	1,164	144.7	1,014	118.0	935	95.9	807	83.2
MV Motorcyclist	1	.	6	.7	20	2.4	100	12.3	175	24.7	172	21.4	163	19.0	161	16.5	135	13.9
MV Pedal Cyclist	3	.	60	7.4	108	13.1	48	5.9	20	2.8	18	2.2	17	2.0	22	2.3	12	1.2
MV Pedestrian	127	17.3	240	29.4	181	22.0	135	16.7	89	12.6	83	10.3	94	10.9	88	9.0	88	9.1
MV Unspecified	1	.	1	.	5	.6	45	5.6	61	8.6	41	5.1	49	5.7	44	4.5	45	4.6
MV Other	4	.	9	1.1	11	1.3	19	2.3	13	1.8	9	1.1	9	1.0	7	.7	8	.8
Pedal cyclist, other	17	2.3	149	18.3	229	27.9	91	11.2	34	4.8	29	3.6	32	3.7	47	4.8	34	3.5
Pedestrian, other	13	1.8	17	2.1	16	1.9	10	1.2	9	1.3	6	.7	5	.6	8	.8	5	.5
Transport, other	15	2.0	43	5.3	120	14.6	162	20.0	140	19.7	121	15.0	121	14.1	112	11.5	93	9.6
Bites & Stings	92	12.5	102	12.5	68	8.3	54	6.7	46	6.5	48	6.0	87	10.1	81	8.3	92	9.5
Other natural/env'tl factors	27	3.7	18	2.2	15	1.8	23	2.8	17	2.4	18	2.2	34	4.0	43	4.4	40	4.1
Overexertion	10	1.4	7	.9	62	7.5	199	24.6	130	18.3	146	18.1	210	24.4	252	25.9	235	24.2
Poisoning	417	56.8	75	9.2	368	44.8	1,449	178.9	1,075	151.7	1,196	148.7	1,479	172.2	1,665	170.8	1,375	141.7
Struck by, Against	105	14.3	187	22.9	347	42.2	657	81.1	447	63.1	474	58.9	520	60.5	591	60.6	469	48.3
Suffocation	87	11.8	23	2.8	14	1.7	19	2.3	14	2.0	11	1.4	19	2.2	27	2.8	22	2.3
Other specified and classifiable	295	40.1	151	18.5	150	18.3	213	26.3	221	31.2	296	36.8	324	37.7	382	39.2	316	32.6
Other specified, NEC	57	7.8	33	4.0	52	6.3	148	18.3	174	24.5	158	19.6	212	24.7	213	21.9	207	21.3
Unspecified	1,356	184.5	1,113	136.4	1,503	182.9	3,518	434.3	3,005	423.9	3,048	378.8	3,403	396.0	3,741	383.8	3,373	347.6

Source: PHC4.

* Per 100,000 population, 1997; totals exclude missing data.

Table 5 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Pennsylvania, 1997

	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	210	24.8	138	19.8	108	19.6	63	12.8	69	13.2	71	14.4	55	13.4	53	19.6	46	21.4
Drowning/Submersion	2	.	.	.	1	.	3	.	1	.	2	.	1	.	4	.	.	.
Fall	1,438	170.1	1,478	212.2	1,635	296.1	2,055	417.0	3,097	592.1	5,059	1,026.1	7,160	1,750.2	8,805	3,253.9	12,874	5,980.6
Fire/Flame	56	6.6	50	7.2	40	7.2	32	6.5	30	5.7	42	8.5	48	11.7	51	18.8	52	24.2
Hot Object/Scald	59	7.0	52	7.5	37	6.7	28	5.7	42	8.0	49	9.9	48	11.7	49	18.1	38	17.7
Firearm	66	7.8	42	6.0	17	3.1	18	3.7	10	1.9	11	2.2	9	2.2	7	2.6	8	3.7
Machinery	100	11.8	75	10.8	55	10.0	44	8.9	35	6.7	33	6.7	27	6.6	12	4.4	7	3.3
MV Occupant	688	81.4	580	83.3	488	88.4	415	84.2	465	88.9	561	113.8	549	134.2	426	157.4	234	108.7
MV Motorcyclist	79	9.3	50	7.2	33	6.0	20	4.1	12	2.3	5	1.0	3	.	3	.	4	.
MV Pedal Cyclist	11	1.3	8	1.1	6	1.1	6	1.2	4	.	.	.	1	.	.	.	.	.
MV Pedestrian	77	9.1	69	9.9	66	12.0	53	10.8	73	14.0	80	16.2	78	19.1	56	20.7	42	19.5
MV Unspecified	49	5.8	39	5.6	39	7.1	27	5.5	32	6.1	41	8.3	32	7.8	22	8.1	15	7.0
MV Other	8	.9	12	1.7	1	.	7	1.4	6	1.1	5	1.0	3	.	4	.	1	.
Pedal cyclist, other	30	3.5	28	4.0	20	3.6	13	2.6	12	2.3	10	2.0	12	2.9	3	.	2	.
Pedestrian, other	4	.	6	.9	6	1.1	6	1.2	6	1.1	7	1.4	7	1.7	5	1.8	9	4.2
Transport, other	73	8.6	61	8.8	42	7.6	45	9.1	39	7.5	38	7.7	35	8.6	44	16.3	37	17.2
Bites & Stings	106	12.5	58	8.3	81	14.7	47	9.5	56	10.7	57	11.6	57	13.9	39	14.4	38	17.7
Other natural/env'tl factors	34	4.0	39	5.6	31	5.6	36	7.3	29	5.5	52	10.5	76	18.6	59	21.8	49	22.8
Overexertion	216	25.6	205	29.4	142	25.7	134	27.2	163	31.2	199	40.4	186	45.5	134	49.5	135	62.7
Poisoning	1,009	119.4	552	79.3	373	67.6	281	57.0	280	53.5	307	62.3	290	70.9	223	82.4	197	91.5
Struck by, Against	294	34.8	190	27.3	131	23.7	115	23.3	95	18.2	124	25.2	113	27.6	112	41.4	141	65.5
Suffocation	24	2.8	25	3.6	27	4.9	30	6.1	42	8.0	56	11.4	84	20.5	71	26.2	91	42.3
Other specified and classifiable	304	36.0	221	31.7	183	33.1	170	34.5	195	37.3	263	53.3	253	61.8	206	76.1	199	92.4
Other specified, NEC	154	18.2	74	10.6	72	13.0	63	12.8	59	11.3	74	15.0	82	20.0	74	27.3	72	33.4
Unspecified	2,876	340.2	2,330	334.6	2,140	387.6	2,171	440.4	2,846	544.1	4,073	826.1	5,212	1,273.9	5,798	2,142.7	7,825	3,634.9

Source: PHC4.

* Per 100,000 population, 1997; totals exclude missing data.

. Rate not calculated.

. Empty cell.

Table 6 Cause of Hospitalization by Age Group (0-44), Number and Rate, Males, Pennsylvania, 1997

	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	58	15.4	62	14.8	88	20.9	195	47.2	291	81.9	280	70.8	293	69.3	292	61.2	224	46.8
Drowning/Submersion	19	5.0	7	1.7	4	.	2	.	2	.	3	.	1	.	3	.	1	.
Fall	435	115.4	403	96.3	421	100.1	481	116.3	339	95.4	449	113.5	595	140.8	793	166.3	844	176.4
Fire/Flame	18	4.8	24	5.7	31	7.4	28	6.8	38	10.7	35	8.8	38	9.0	46	9.6	48	10.0
Hot Object/Scald	140	37.1	22	5.3	11	2.6	14	3.4	39	11.0	41	10.4	49	11.6	58	12.2	51	10.7
Firearm	10	2.7	6	1.4	34	8.1	386	93.3	423	119.1	305	77.1	182	43.1	137	28.7	100	20.9
Machinery	11	2.9	10	2.4	10	2.4	40	9.7	50	14.1	65	16.4	94	22.2	97	20.3	103	21.5
MV Occupant	63	16.7	78	18.6	131	31.2	1,000	241.8	926	260.6	714	180.5	593	140.3	530	111.1	469	98.0
MV Motorcyclist	1	.	3	.	19	4.5	91	22.0	164	46.2	162	41.0	141	33.4	141	29.6	114	23.8
MV Pedal Cyclist	3	.	43	10.3	92	21.9	47	11.4	18	5.1	12	3.0	14	3.3	18	3.8	11	2.3
MV Pedestrian	74	19.6	168	40.1	106	25.2	93	22.5	63	17.7	56	14.2	58	13.7	59	12.4	64	13.4
MV Unspecified	1	.	.	.	1	.	33	8.0	31	8.7	29	7.3	22	5.2	28	5.9	25	5.2
MV Other	2	.	3	.	10	2.4	15	3.6	9	2.5	5	1.3	7	1.7	3	.	5	1.0
Pedal cyclist, other	13	3.4	105	25.1	180	42.8	84	20.3	34	9.6	27	6.8	24	5.7	35	7.3	28	5.9
Pedestrian, other	9	2.4	13	3.1	13	3.1	8	1.9	5	1.4	5	1.3	5	1.2	6	1.3	5	1.0
Transport, other	11	2.9	26	6.2	87	20.7	119	28.8	117	32.9	90	22.8	95	22.5	72	15.1	68	14.2
Bites & Stings	53	14.1	58	13.9	45	10.7	30	7.3	21	5.9	26	6.6	50	11.8	42	8.8	57	11.9
Other natural/env'tl factors	16	4.2	12	2.9	11	2.6	17	4.1	13	3.7	15	3.8	28	6.6	29	6.1	23	4.8
Overexertion	7	1.9	1	.	26	6.2	121	29.3	98	27.6	107	27.1	150	35.5	167	35.0	149	31.1
Poisoning	226	60.0	38	9.1	86	20.5	496	119.9	495	139.3	532	134.5	640	151.5	801	168.0	638	133.3
Struck by, Against	68	18.0	136	32.5	271	64.5	550	133.0	364	102.5	373	94.3	419	99.2	472	99.0	394	82.3
Suffocation	44	11.7	12	2.9	10	2.4	15	3.6	11	3.1	6	1.5	14	3.3	16	3.4	16	3.3
Other specified and classifiable	162	43.0	91	21.7	108	25.7	160	38.7	163	45.9	207	52.3	217	51.4	251	52.6	221	46.2
Other specified, NEC	33	8.8	30	7.2	33	7.8	102	24.7	133	37.4	112	28.3	157	37.2	167	35.0	160	33.4
Unspecified	800	17.5	692	183.3	955	228.2	2,217	527.5	2,074	504.4	2,006	562.1	2,136	538.5	2,364	556.2	2,152	451.2

Source: PHC4.

* Per 100,000 population, 1997; totals exclude missing data.

Table 7 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Males, Pennsylvania, 1997

	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	144	35.1	105	31.5	80	30.7	50	21.8	40	17.1	47	22.2	35	21.3	34	35.2	22	37.1
Drowning/Submersion	1	.	.	.	1	.	3	.	1	.	.	.	.	.	.	.	.	.
Fall	784	191.2	726	217.5	746	285.8	863	375.7	1,142	487.9	1,605	758.0	1,990	1,213.8	2,209	2,289.6	2,608	4,401.3
Fire/Flame	40	9.8	31	9.3	28	10.7	21	9.1	17	7.3	25	11.8	21	12.8	24	24.9	15	25.3
Hot Object/Scald	39	9.5	38	11.4	24	9.2	14	6.1	19	8.1	25	11.8	16	9.8	14	14.5	6	10.1
Firearm	56	13.7	38	11.4	13	5.0	13	5.7	10	4.3	10	4.7	9	5.5	6	6.2	8	13.5
Machinery	93	22.7	65	19.5	51	19.5	40	17.4	33	14.1	31	14.6	24	14.6	9	9.3	4	.
MV Occupant	350	85.4	302	90.5	244	93.5	216	94.0	204	87.2	221	104.4	230	140.3	178	184.5	101	170.4
MV Motorcyclist	69	16.8	44	13.2	29	11.1	18	7.8	12	5.1	4	.	2	.	1	.	.	.
MV Pedal Cyclist	10	2.4	7	2.1	6	2.3	5	2.2	4	.	.	.	1	.	.	.	.	.
MV Pedestrian	49	12.0	35	10.5	31	11.9	32	13.9	31	13.2	30	14.2	28	17.1	21	21.8	13	21.9
MV Unspecified	28	6.8	24	7.2	25	9.6	13	5.7	11	4.7	16	7.6	16	9.8	9	9.3	6	10.1
MV Other	8	2.0	11	3.3	1	.	4	.	3	.	1	.	3	.	1	.	.	.
Pedal cyclist, other	19	4.6	23	6.9	13	5.0	11	4.8	7	3.0	7	3.3	11	6.7	3	.	2	.
Pedestrian, other	4	.	5	1.5	3	.	2	.	2	.	6	2.8	1	.	3	.	4	.
Transport, other	41	10.0	37	11.1	23	8.8	32	13.9	22	9.4	16	7.6	20	12.2	19	19.7	14	23.6
Bites & Stings	43	10.5	23	6.9	36	13.8	19	8.3	36	15.4	20	9.4	23	14.0	12	12.4	9	15.2
Other natural/env'tl factors	18	4.4	27	8.1	25	9.6	23	10.0	16	6.8	29	13.7	45	27.4	34	35.2	16	27.0
Overexertion	134	32.7	128	38.3	70	26.8	77	33.5	69	29.5	79	37.3	59	36.0	39	40.4	28	47.3
Poisoning	508	123.9	252	75.5	178	68.2	124	54.0	135	57.7	122	57.6	103	62.8	85	88.1	55	92.8
Struck by, Against	247	60.2	156	46.7	106	40.6	78	34.0	48	20.5	64	30.2	48	29.3	25	25.9	37	62.4
Suffocation	17	4.1	14	4.2	12	4.6	13	5.7	21	9.0	28	13.2	44	26.8	38	39.4	42	70.9
Other specified and classifiable	205	50.0	150	44.9	123	47.1	94	40.9	118	50.4	117	55.3	111	67.7	90	93.3	53	89.4
Other specified, NEC	107	26.1	51	15.3	47	18.0	37	16.1	28	12.0	41	19.4	34	20.7	33	34.2	21	35.4
Unspecified	1,730	365.5	1,333	330.3	1,147	351.4	1,070	414.4	1,216	528.3	1,464	629.8	1,688	814.5	1,623	1,027.8	1,115	1,778.6

Source: PHC4.

* Per 100,000 population, 1997; totals exclude missing data.

- Rate not calculated.

. Empty cell.

Table 8 Cause of Hospitalization by Age Group (0-44), Number and Rate, Females, Pennsylvania, 1997

	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	7.0	37	9.3	47	11.7	107	27.0	96	27.2	105	25.7	125	28.6	114	22.9	86	17.5
Drowning/Submersion	15	4.2	.	.	2	.	2	.	.	.	1	.	2	.	.	.	.	.
Fall	265	74.0	277	69.7	198	49.4	230	58.0	184	52.0	275	67.2	380	87.0	487	97.9	534	108.5
Fire/Flame	17	4.7	16	4.0	4	.	10	2.5	16	4.5	7	1.7	23	5.3	24	4.8	19	3.9
Hot Object/Scald	104	29.1	22	5.5	5	1.2	12	3.0	13	3.7	19	4.6	15	3.4	17	3.4	17	3.5
Firearm	2	.	5	1.3	5	1.2	31	7.8	16	4.5	25	6.1	34	7.8	18	3.6	20	4.1
Machinery	5	1.4	1	.	1	.	3	.	6	1.7	5	1.2	11	2.5	7	1.4	6	1.2
MV Occupant	56	15.6	83	20.9	113	28.2	686	173.0	512	144.8	450	110.0	421	96.4	405	81.4	338	68.7
MV Motorcyclist	.	.	3	.	1	.	9	2.3	11	3.1	10	2.4	22	5.0	20	4.0	21	4.3
MV Pedal Cyclist	.	.	17	4.3	16	4.0	1	.	2	.	6	1.5	3	.	4	.	1	.
MV Pedestrian	53	14.8	72	18.1	75	18.7	42	10.6	26	7.4	27	6.6	36	8.2	29	5.8	24	4.9
MV Unspecified	.	.	1	.	4	.	12	3.0	30	8.5	12	2.9	27	6.2	16	3.2	20	4.1
MV Other	2	.	6	1.5	1	.	4	.	4	.	3	.	2	.	4	.	3	.
Pedal cyclist, other	4	.	44	11.1	49	12.2	7	1.8	.	.	2	.	8	1.8	12	2.4	6	1.2
Pedestrian, other	4	.	4	.	3	.	2	.	4	.	1	.	.	.	2	.	.	.
Transport, other	4	.	17	4.3	33	8.2	43	10.8	23	6.5	31	7.6	26	6.0	40	8.0	25	5.1
Bites & Stings	39	10.9	44	11.1	23	5.7	24	6.1	25	7.1	22	5.4	37	8.5	39	7.8	35	7.1
Other natural/env'tl factors	11	3.1	6	1.5	4	.	6	1.5	4	.	3	.	6	1.4	14	2.8	17	3.5
Overexertion	3	.	6	1.5	36	9.0	78	19.7	32	9.1	39	9.5	60	13.7	85	17.1	86	17.5
Poisoning	191	53.4	37	9.3	282	70.3	953	240.3	580	164.0	664	162.4	839	192.2	864	173.6	737	149.8
Struck by, Against	37	10.3	51	12.8	76	19.0	107	27.0	83	23.5	101	24.7	101	23.1	118	23.7	75	15.2
Suffocation	43	12.0	11	2.8	4	.	4	.	3	.	5	1.2	5	1.1	11	2.2	6	1.2
Other specified and classifiable	133	37.2	60	15.1	42	10.5	53	13.4	58	16.4	89	21.8	107	24.5	131	26.3	95	19.3
Other specified, NEC	24	6.7	3	.	19	4.7	46	11.6	41	11.6	46	11.2	55	12.6	46	9.2	47	9.6
Unspecified	557	155.5	422	106.0	548	136.6	1,301	328.1	932	263.4	1,041	254.5	1,267	290.1	1,377	276.6	1,221	248.2

Source: PHC4.

* Per 100,000 population, 1997; totals exclude missing data.

- Rate not calculated.

. Empty cell.

Table 9 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Females, Pennsylvania, 1997

	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	66	15.2	33	9.1	28	9.6	13	4.9	29	10.0	24	8.5	20	8.2	19	10.9	24	15.4
Drowning/Submersion	1	.	.	.	.	.	.	.	.	.	2	.	1	.	4	.	.	.
Fall	654	150.2	752	207.4	889	305.4	1,192	453.0	1,955	676.6	3,454	1,228.0	5,170	2,109.0	6,596	3,788.2	10,266	6,580.4
Fire/Flame	16	3.7	19	5.2	12	4.1	11	4.2	13	4.5	17	6.0	27	11.0	27	15.5	37	23.7
Hot Object/Scald	20	4.6	14	3.9	13	4.5	14	5.3	23	8.0	24	8.5	32	13.1	35	20.1	32	20.5
Firearm	10	2.3	4	.	4	.	5	1.9	.	.	1	.	.	.	1	.	.	.
Machinery	7	1.6	10	2.8	4	.	4	.	2	.	2	.	3	.	3	.	3	.
MV Occupant	338	77.6	278	76.7	244	83.8	199	75.6	261	90.3	340	120.9	319	130.1	248	142.4	133	85.3
MV Motorcyclist	10	2.3	6	1.7	4	.	2	.	.	.	1	.	1	.	2	.	4	.
MV Pedal Cyclist	1	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.
MV Pedestrian	28	6.4	34	9.4	35	12.0	21	8.0	42	14.5	50	17.8	50	20.4	35	20.1	29	18.6
MV Unspecified	21	4.8	15	4.1	14	4.8	14	5.3	21	7.3	25	8.9	16	6.5	13	7.5	9	5.8
MV Other	.	.	1	.	.	.	3	.	3	.	4	.	.	.	3	.	1	.
Pedal cyclist, other	11	2.5	5	1.4	7	2.4	2	.	5	1.7	3	.	1	.	.	.	.	.
Pedestrian, other	.	.	1	.	3	.	4	.	4	.	1	.	6	2.4	2	.	5	3.2
Transport, other	32	7.4	24	6.6	19	6.5	13	4.9	17	5.9	22	7.8	15	6.1	25	14.4	23	14.7
Bites & Stings	63	14.5	35	9.7	45	15.5	28	10.6	20	6.9	37	13.2	34	13.9	27	15.5	29	18.6
Other natural/env'tl factors	16	3.7	12	3.3	6	2.1	13	4.9	12	4.2	23	8.2	31	12.6	25	14.4	33	21.2
Overexertion	82	18.8	77	21.2	72	24.7	57	21.7	94	32.5	120	42.7	127	51.8	95	54.6	107	68.6
Poisoning	501	115.1	300	82.7	195	67.0	157	59.7	145	50.2	185	65.8	187	76.3	138	79.3	142	91.0
Struck by, Against	47	10.8	34	9.4	25	8.6	37	14.1	47	16.3	60	21.3	65	26.5	87	50.0	104	66.7
Suffocation	7	1.6	11	3.0	15	5.2	17	6.5	21	7.3	28	10.0	40	16.3	33	19.0	49	31.4
Other specified and classifiable	99	22.7	71	19.6	60	20.6	76	28.9	77	26.6	146	51.9	142	57.9	116	66.6	146	93.6
Other specified, NEC	47	10.8	23	6.3	25	8.6	26	9.9	31	10.7	33	11.7	48	19.6	41	23.5	51	32.7
Unspecified	1,146	263.1	997	275.0	994	341.3	1,101	418.3	1,630	564.1	2,609	927.6	3,524	1,437.3	4,176	2,398.0	6,153	3,943.7

Source: PHC4.

* Per 100,000 population, 1997, totals exclude missing data.

- Rate not calculated.

. Empty cell.

Table 10 Cause of Hospitalization by Age Group (0-44), Number and Rate, White Race, Pennsylvania, 1997

	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	55	9.3	61	9.2	97	14.2	200	29.6	222	37.7	229	33.9	243	33.2	246	29.2	204	24.0
Drowning/Submersion	22	3.7	5	.8	3	.	2	.	2	.	2	.	.	.	2	.	.	.
Fall	471	80.0	472	71.1	475	69.4	554	81.9	377	63.9	514	76.2	712	97.3	932	110.5	1,062	124.8
Fire/Flame	17	2.9	25	3.8	24	3.5	35	5.2	38	6.4	30	4.4	47	6.4	49	5.8	48	5.6
Hot Object/Scald	113	19.2	22	3.3	7	1.0	21	3.1	41	7.0	40	5.9	41	5.6	57	6.8	46	5.4
Firearm	3	.	5	.8	21	3.1	64	9.5	58	9.8	67	9.9	60	8.2	64	7.6	49	5.8
Machinery	13	2.2	7	1.1	8	1.2	34	5.0	44	7.5	57	8.4	80	10.9	83	9.8	92	10.8
MV Occupant	83	14.1	121	18.2	176	25.7	1,337	197.8	1,066	180.8	864	128.0	765	104.6	715	84.8	609	71.6
MV Motorcyclist	1	.	5	.8	15	2.2	71	10.5	114	19.3	121	17.9	129	17.6	136	16.1	121	14.2
MV Pedal Cyclist	2	.	28	4.2	71	10.4	30	4.4	12	2.0	7	1.0	8	1.1	11	1.3	11	1.3
MV Pedestrian	54	9.2	123	18.5	101	14.8	84	12.4	60	10.2	52	7.7	46	6.3	49	5.8	46	5.4
MV Unspecified	.	.	.	.	3	.	34	5.0	43	7.3	28	4.1	37	5.1	34	4.0	34	4.0
MV Other	3	.	6	.9	8	1.2	14	2.1	8	1.4	6	.9	8	1.1	3	.	7	.8
Pedal cyclist, other	14	2.4	119	17.9	179	26.2	72	10.7	25	4.2	19	2.8	23	3.1	36	4.3	26	3.1
Pedestrian, other	8	1.4	7	1.1	13	1.9	7	1.0	6	1.0	6	.9	4	.	7	.8	3	.
Transport, other	12	2.0	41	6.2	107	15.6	141	20.9	118	20.0	109	16.2	110	15.0	105	12.5	80	9.4
Bites & Stings	61	10.4	76	11.5	49	7.2	43	6.4	36	6.1	41	6.1	70	9.6	63	7.5	81	9.5
Other natural/env/tl factors	15	2.5	12	1.8	13	1.9	16	2.4	13	2.2	10	1.5	26	3.6	26	3.1	25	2.9
Overexertion	8	1.4	4	.	50	7.3	164	24.3	94	15.9	123	18.2	155	21.2	194	23.0	189	22.2
Poisoning	234	39.7	39	5.9	249	36.4	1,048	155.0	748	126.9	814	120.6	988	135.1	1,164	138.0	989	116.2
Struck by, Against	72	12.2	135	20.3	263	38.4	444	65.7	265	44.9	255	37.8	294	40.2	330	39.1	251	29.5
Suffocation	60	10.2	14	2.1	10	1.5	15	2.2	12	2.0	5	.7	16	2.2	19	2.3	17	2.0
Other specified and classifiable	168	28.5	96	14.5	120	17.5	152	22.5	157	26.6	206	30.5	248	33.9	288	34.2	227	26.7
Other specified, NEC	38	6.5	17	2.6	33	4.8	77	11.4	84	14.2	68	10.1	102	13.9	109	12.9	122	14.3
Unspecified	831	141.0	735	110.8	1,097	160.3	2,491	368.4	1,957	331.8	2,006	297.2	2,301	314.5	2,623	311.1	2,424	284.8

Source: PHC4.

* Per 100,000 population, 1997; totals exclude missing data.

- Rate not calculated.

. Empty cell.

Table 11 Cause of Hospitalization by Age Group (45-85+), Number and Rate, White Race, Pennsylvania, 1997

	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	133	17.8	91	14.6	67	13.6	46	10.4	52	11.0	57	12.5	47	12.4	39	15.4	39	19.5
Drowning/Submersion	2	.	.	.	1	.	3	.	1	.	2	.	1	.	4	.	.	.
Fall	1,080	144.7	1,186	190.4	1,323	268.7	1,683	380.1	2,598	547.1	4,347	955.6	6,338	1,665.5	7,776	3,066.3	11,353	5,670.2
Fire/Flame	42	5.6	35	5.6	26	5.3	23	5.2	27	5.7	32	7.0	40	10.5	48	18.9	45	22.5
Hot Object/Scald	41	5.5	35	5.6	25	5.1	22	5.0	31	6.5	32	7.0	38	10.0	40	15.8	30	15.0
Firearm	30	4.0	21	3.4	7	1.4	12	2.7	7	1.5	8	1.8	8	2.1	7	2.8	3	.
Machinery	82	11.0	63	10.1	48	9.7	39	8.8	33	6.9	30	6.6	27	7.1	11	4.3	7	3.5
MV Occupant	545	73.0	463	74.3	403	81.8	337	76.1	396	83.4	479	105.3	477	125.3	372	146.7	212	105.9
MV Motorcyclist	65	8.7	43	6.9	30	6.1	13	2.9	11	2.3	3	.	3	.	2	.	2	.
MV Pedal Cyclist	6	.8	7	1.1	6	1.2	6	1.4	4	.	.	.	1	.	.	.	.	.
MV Pedestrian	47	6.3	47	7.5	44	8.9	36	8.1	53	11.2	67	14.7	60	15.8	46	18.1	37	18.5
MV Unspecified	40	5.4	35	5.6	30	6.1	20	4.5	30	6.3	35	7.7	28	7.4	20	7.9	14	7.0
MV Other	5	.7	7	1.1	1	.	5	1.1	6	1.3	4	.	2	.	4	.	1	.
Pedal cyclist, other	25	3.3	21	3.4	14	2.8	10	2.3	11	2.3	9	2.0	10	2.6	2	.	2	.
Pedestrian, other	2	.	6	1.0	3	.	5	1.1	5	1.1	5	1.1	7	1.8	5	2.0	8	4.0
Transport, other	62	8.3	55	8.8	36	7.3	34	7.7	35	7.4	36	7.9	30	7.9	38	15.0	33	16.5
Bites & Stings	88	11.8	50	8.0	69	14.0	39	8.8	50	10.5	51	11.2	50	13.1	34	13.4	37	18.5
Other natural/env'tl factors	25	3.3	27	4.3	22	4.5	19	4.3	19	4.0	30	6.6	53	13.9	35	13.8	37	18.5
Overexertion	184	24.6	174	27.9	119	24.2	115	26.0	143	30.1	182	40.0	166	43.6	127	50.1	121	60.4
Poisoning	702	94.0	409	65.7	259	52.6	207	46.7	218	45.9	231	50.8	230	60.4	194	76.5	159	79.4
Struck by, Against	168	22.5	134	21.5	87	17.7	88	19.9	67	14.1	101	22.2	99	26.0	98	38.6	125	62.4
Suffocation	20	2.7	20	3.2	20	4.1	21	4.7	37	7.8	47	10.3	73	19.2	56	22.1	71	35.5
Other specified and classifiable	222	29.7	160	25.7	133	27.0	120	27.1	158	33.3	218	47.9	224	58.9	176	69.4	185	92.4
Other specified, NEC	99	13.3	44	7.1	56	11.4	41	9.3	49	10.3	66	14.5	66	17.3	61	24.1	64	32.0
Unspecified	2,096	280.7	1,805	289.7	1,677	340.5	1,733	391.4	2,368	498.6	3,463	761.3	4,565	1,199.6	5,101	2,011.3	6,878	3,434.9

Source: PHC4.

* Per 100,000 population, 1997; totals exclude missing data.

- Rate not calculated.

. Empty cell.

Table 12 Cause of Hospitalization by Age Group (0-44), Number and Rate, Black Race, Pennsylvania, 1997

	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	16	17.2	18	17.3	20	21.5	62	69.6	100	131.0	104	121.9	122	144.1	111	122.7	70	83.5
Drowning/Submersion	4	.	2	.	2	.	1	.	.	.	1	.	2	.	1	.	1	.
Fall	121	129.7	102	97.8	77	82.8	77	86.4	70	91.7	112	131.3	152	179.5	200	221.1	175	208.8
Fire/Flame	11	11.8	8	7.7	5	5.4	1	.	9	11.8	11	12.9	8	9.4	14	15.5	10	11.9
Hot Object/Scald	72	77.2	15	14.4	5	5.4	2	.	5	6.5	12	14.1	14	16.5	12	13.3	18	21.5
Firearm	8	8.6	3	.	9	9.7	303	340.0	296	387.7	211	247.4	122	144.1	74	81.8	55	65.6
Machinery	2	.	3	.	.	.	2	.	3	.	2	.	9	10.6	12	13.3	5	6.0
MV Occupant	16	17.2	17	16.3	27	29.0	137	153.7	160	209.6	136	159.4	102	120.5	114	126.0	102	121.7
MV Motorcyclist	.	.	1	.	4	.	16	18.0	33	43.2	26	30.5	14	16.5	10	11.1	5	6.0
MV Pedal Cyclist	1	.	21	20.1	19	20.4	10	11.2	4	.	4	.	6	7.1	6	6.6	1	.
MV Pedestrian	47	50.4	79	75.7	45	48.4	31	34.8	20	26.2	20	23.4	31	36.6	27	29.9	32	38.2
MV Unspecified	.	.	1	.	.	.	5	5.6	10	13.1	6	7.0	5	5.9	6	6.6	5	6.0
MV Other	1	.	1	.	1	.	2	.	3	.	2	.	.	.	3	.	1	.
Pedal cyclist, other	2	.	19	18.2	25	26.9	9	10.1	4	.	1	.	.	.	4	.	6	7.2
Pedestrian, other	4	.	6	5.8	.	.	1	.	3	.	.	.	1	.	1	.	.	.
Transport, other	2	.	1	.	5	5.4	6	6.7	7	9.2	4	.	1	.	2	.	1	.
Bites & Stings	15	16.1	15	14.4	12	12.9	5	5.6	4	.	1	.	9	10.6	15	16.6	9	10.7
Other natural/env'tl factors	9	9.6	3	.	1	.	2	.	3	.	5	5.9	7	8.3	12	13.3	11	13.1
Overexertion	2	.	2	.	4	.	18	20.2	16	21.0	14	16.4	32	37.8	38	42.0	22	26.2
Poisoning	128	137.2	25	24.0	56	60.2	147	164.9	172	225.3	226	264.9	310	366.1	319	352.7	237	282.7
Struck by, Against	21	22.5	32	30.7	48	51.6	131	147.0	114	149.3	141	165.3	163	192.5	186	205.7	159	189.7
Suffocation	16	17.2	7	6.7	2	.	.	.	1	.	4	.	2	.	5	5.5	3	.
Other specified and classifiable	86	92.2	38	36.4	9	9.7	33	37.0	30	39.3	46	53.9	39	46.1	43	47.5	48	57.3
Other specified, NEC	15	16.1	8	7.7	7	7.5	48	53.9	57	74.7	58	68.0	72	85.0	67	74.1	52	62.0
Unspecified	313	335.0	217	412.3	202	216.6	548	614.4	597	781.9	614	719.2	665	784.8	707	781.7	573	683.6

Source: PHC4.

* Per 100,000 population, 1997; totals exclude missing data.

- Rate not calculated.

. Empty cell.

Table 13 Cause of Hospitalization by Age Group (45-85+), Number and Rate, Black Race, Pennsylvania, 1997

	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	77.1	34	66.0	24	54.7	12	31.7	10	25.9	5	15.9	5	21.0	4	.	3	.
Fall	192	274.2	130	252.3	161	367.0	185	488.8	233	602.6	260	829.2	247	1,037.6	269	1,915.3	401	3,225.8
Fire/Flame	12	17.1	9	17.5	11	25.1	5	13.2	.	.	8	25.5	3	.	2	.	3	.
Hot Object/Scald	11	15.7	11	21.3	9	20.5	6	15.9	2	.	10	31.9	6	25.2	4	.	2	.
Firearm	27	38.6	19	36.9	5	11.4	4	.	3	.	2	.	1	.	.	.	4	.
Machinery	7	10.0	5	9.7	3	.	2	.	1	.	.	.	.	.	.	.	.	.
MV Occupant	63	90.0	55	106.7	37	84.3	36	95.1	28	72.4	25	79.7	12	50.4	11	78.3	3	.
MV Motorcyclist	7	10.0	.	.	1	.	2	.	.	.	.	.	.	.	.	.	.	.
MV Pedal Cyclist	4	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MV Pedestrian	23	32.9	13	25.2	11	25.1	9	23.8	9	23.3	8	25.5	6	25.2	3	.	2	.
MV Unspecified	5	7.1	3	.	7	16.0	1	.	2	.	3	.	1	.	1	.	.	.
MV Other	1	.	4	.	.	.	1	.	.	.	.	.	1	.	.	.	.	.
Pedal cyclist, other	2	.	3	.	2	.	1	.	.	.	.	.	1	.	.	.	.	.
Pedestrian, other	1	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.
Transport, other	4	.	4	.	3	.	6	15.9	1	.	.	.	1	.	1	.	1	.
Bites & Stings	11	15.7	6	11.6	6	13.7	1	.	3	.	4	.	3	.	1	.	.	.
Other natural/env'tl factors	8	11.4	10	19.4	7	16.0	11	29.1	7	18.1	16	51.0	15	63.0	18	128.2	8	64.4
Overexertion	16	22.9	18	34.9	11	25.1	5	13.2	7	18.1	7	22.3	6	25.2	3	.	4	.
Poisoning	209	298.5	84	163.0	75	171.0	51	134.7	48	124.1	47	149.9	27	113.4	14	99.7	23	185.0
Struck by, Against	85	121.4	29	56.3	27	61.6	17	44.9	17	44.0	14	44.7	5	21.0	4	.	4	.
Suffocation	2	.	2	.	6	13.7	4	.	2	.	5	15.9	1	.	4	.	7	56.3
Other specified and classifiable	31	44.3	24	46.6	13	29.6	18	47.6	14	36.2	18	57.4	13	54.6	10	71.2	5	40.2
Other specified, NEC	34	48.6	15	29.1	9	20.5	11	29.1	7	18.1	3	.	5	21.0	6	42.7	2	.
Unspecified	464	662.0	277	536.7	238	542.6	222	586.5	226	584.5	248	789.4	208	871.7	203	1,441.8	270	2,172.0

Source: PHC4.

* Per 100,000 population, 1997; totals exclude missing data.

- Rate not calculated.

. Empty cell.

Table 14 Cause of Hospitalization by Intent, Number and Rate of Hospital Discharges, Pennsylvania, 1997

	Intent										Table Total	
	Unintentional		Self-Inflicted		Assault		Undetermined		Other		Number	Rate*
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*		
Cut/Pierce	1,780	14.8	798	6.7	722	6.0	37	.3	1	.	3,366	28.1
Drowning/Submersion	74	.6	2	.	.	.	2	.	.	.	79	.7
Fall	51,047	425.5	82	.7	12	.1	50	.4	.	.	51,618	430.3
Fire/Flame	774	6.5	41	.3	12	.1	16	.1	1,780	14.8	850	7.1
Hot Object/Scald	1,026	8.6	5	.0	14	.1	6	.1	74	.6	1,060	8.8
Firearm	313	2.6	133	1.1	1,346	11.2	124	1.0	51,047	425.5	1,943	16.2
Machinery	913	7.6	.	.	.	.	.	.	774	6.5	921	7.7
MV Occupant	11,974	99.8	.	.	1	.	.	.	1,026	8.6	12,075	100.6
MV Motorcyclist	1,142	9.5	.	.	.	.	.	.	313	2.6	1,152	9.6
MV Pedal Cyclist	344	2.9	.	.	.	.	.	.	913	7.6	347	2.9
MV Pedestrian	1,719	14.3	.	.	.	.	.	.	11,974	99.8	1,733	14.4
MV Unspecified	588	4.9	.	.	.	.	.	.	1,142	9.5	593	4.9
MV Other	124	1.0	11	.1	.	.	1	.	344	2.9	137	1.1
Pedal cyclist, other	792	6.6	.	.	.	.	.	.	1,719	14.3	799	6.7
Pedestrian, other	145	1.2	.	.	.	.	.	.	588	4.9	146	1.2
Transport, other	1,341	11.2	.	.	.	.	.	.	124	1.0	1,352	11.3
Bites & Stings	1,209	10.1	.	.	.	.	.	.	792	6.6	1,219	10.2
Other natural/env'tl factors	630	5.3	3	.	.	.	7	.1	145	1.2	645	5.4
Overexertion	2,765	23.0	.	.	.	.	.	.	1,341	11.2	2,788	23.2
Poisoning	4,509	37.6	7,285	60.7	17	.1	800	6.7	1,209	10.1	12,716	106.0
Struck by, Against	2,991	24.9	.	.	2,100	17.5	.	.	630	5.3	5,155	43.0
Suffocation	599	5.0	74	.6	4	.	9	.1	2,765	23.0	692	5.8
Other specified and classifial	4,023	33.5	28	.2	269	2.2	3	.	4,509	37.6	4,378	36.5
Other specified, NEC	914	7.6	162	1.4	566	4.7	331	2.8	2,991	24.9	1,994	16.6
Unspecified	5,369	44.8	43	.4	380	3.2	99	.8	599	5.0	5,943	49.5
Table Total	97,105	809.4	8,667	72.2	5,443	45.4	1,485	12.4	60	.5	113,700	947.7

Source: PHC4.

* Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	6	1.6	1	.	7	1.0
5-9	1	.	3	.	4	.
10-14	11	2.6	6	1.5	17	2.1
15-19	40	9.7	10	2.5	50	6.2
20-24	48	13.5	12	3.4	60	8.5
25-29	42	10.6	11	2.7	53	6.6
30-34	30	7.1	8	1.8	38	4.4
35-39	36	7.5	8	1.6	44	4.5
40-44	26	5.4	7	1.4	33	3.4
45-49	23	5.6	12	2.8	35	4.1
50-54	16	4.8	6	1.7	22	3.2
55-59	14	5.4	9	3.1	23	4.2
60-64	15	6.5	9	3.4	24	4.9
65-69	20	8.5	4	.	24	4.6
70-74	21	9.9	9	3.2	30	6.1
75-79	9	5.5	8	3.3	17	4.2
80-84	15	15.5	12	6.9	27	10.0
85+	16	27.0	15	9.6	31	14.4
All Ages	389	6.8	150	2.4	539	4.5

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	346	91.8	235	65.7	581	79.1
5-9	318	76.0	172	43.3	490	60.1
10-14	421	100.1	179	44.6	600	73.1
15-19	1,066	257.8	438	110.5	1,504	185.7
20-24	893	251.3	291	82.3	1,184	167.0
25-29	708	179.0	256	62.6	964	119.8
30-34	700	165.7	280	64.1	980	114.1
35-39	648	135.9	273	54.9	921	94.5
40-44	537	112.2	219	44.5	756	77.9
45-49	441	107.6	198	45.5	639	75.6
50-54	364	109.1	183	50.5	547	78.6
55-59	258	98.9	136	46.7	394	71.4
60-64	267	116.2	151	57.4	418	84.8
65-69	289	123.5	243	84.1	532	101.7
70-74	347	163.9	323	114.8	670	135.9
75-79	400	244.0	478	195.0	878	214.6
80-84	359	372.1	589	338.3	948	350.3
85+	362	610.9	746	478.2	1,108	514.7
All Ages	8,724	151.5	5,390	86.4	14,114	117.6

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	16	4.2	6	1.7	22	3.0
5-9	15	3.6	4	.	19	2.3
10-14	41	9.8	16	4.0	57	6.9
15-19	29	7.0	7	1.8	36	4.4
20-24	23	6.5	5	1.4	28	3.9
25-29	29	7.3	7	1.7	36	4.5
30-34	35	8.3	8	1.8	43	5.0
35-39	57	12.0	22	4.4	79	8.1
40-44	67	14.0	39	7.9	106	10.9
45-49	61	14.9	29	6.7	90	10.6
50-54	87	26.1	83	22.9	170	24.4
55-59	102	39.1	118	40.5	220	39.8
60-64	126	54.8	247	93.9	373	75.7
65-69	249	106.4	478	165.4	727	139.0
70-74	435	205.4	1,142	406.0	1,577	319.9
75-79	638	389.1	2,027	826.9	2,665	651.4
80-84	840	870.7	2,845	1,633.9	3,685	1,361.8
85+	1,101	1,858.1	4,888	3,133.2	5,989	2,782.2
All Ages	3,951	68.6	11,971	191.9	15,922	132.7

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	435	115.4	265	74.0	700	95.3
5-9	403	96.3	277	69.7	680	83.3
10-14	421	100.1	198	49.4	619	75.4
15-19	481	116.3	230	58.0	711	87.8
20-24	339	95.4	184	52.0	523	73.8
25-29	449	113.5	275	67.2	724	90.0
30-34	595	140.8	380	87.0	975	113.5
35-39	793	166.3	487	97.9	1,280	131.3
40-44	844	176.4	534	108.5	1,378	142.0
45-49	784	191.2	654	150.2	1,438	170.1
50-54	726	217.5	752	207.4	1,478	212.2
55-59	746	285.8	889	305.4	1,635	296.1
60-64	863	375.7	1,192	453.0	2,055	417.0
65-69	1,142	487.9	1,955	676.6	3,097	592.1
70-74	1,605	758.0	3,454	1,228.0	5,059	1,026.1
75-79	1,990	1,213.8	5,170	2,109.0	7,160	1,750.2
80-84	2,209	2,289.6	6,596	3,788.2	8,805	3,253.9
85+	2,608	4,401.3	10,266	6,580.4	12,874	5,980.6
All Ages	17,433	302.8	33,758	541.1	51,191	426.7

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	16	4.2	4	.	20	2.7
5-9	148	35.4	61	15.3	209	25.6
10-14	272	64.7	65	16.2	337	41.0
15-19	131	31.7	8	2.0	139	17.2
20-24	52	14.6	2	.	54	7.6
25-29	39	9.9	8	2.0	47	5.8
30-34	38	9.0	11	2.5	49	5.7
35-39	53	11.1	16	3.2	69	7.1
40-44	39	8.2	7	1.4	46	4.7
45-49	29	7.1	12	2.8	41	4.9
50-54	30	9.0	6	1.7	36	5.2
55-59	19	7.3	7	2.4	26	4.7
60-64	16	7.0	3	.	19	3.9
65-69	11	4.7	5	1.7	16	3.1
70-74	7	3.3	3	.	10	2.0
75-79	12	7.3	1	.	13	3.2
80-84	3	.	0	.	3	.
85+	2	.	0	.	2	.
All Ages	917	15.9	219	3.5	1,136	9.5

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	226	60.0	191	53.4	417	56.8
5-9	38	9.1	37	9.3	75	9.2
10-14	86	20.5	282	70.3	368	44.8
15-19	496	119.9	953	240.3	1,449	178.9
20-24	495	139.3	580	164.0	1,075	151.7
25-29	532	134.5	664	162.4	1,196	148.7
30-34	640	151.5	839	192.2	1,479	172.2
35-39	801	168.0	864	173.6	1,665	170.8
40-44	638	133.3	737	149.8	1,375	141.7
45-49	508	123.9	501	115.1	1,009	119.4
50-54	252	75.5	300	82.7	552	79.3
55-59	178	68.2	195	67.0	373	67.6
60-64	124	54.0	157	59.7	281	57.0
65-69	135	57.7	145	50.2	280	53.5
70-74	122	57.6	185	65.8	307	62.3
75-79	103	62.8	187	76.3	290	70.9
80-84	85	88.1	138	79.3	223	82.4
85+	55	92.8	142	91.0	197	91.5
All Ages	5,514	95.8	7,097	113.7	12,611	105.1

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	158	41.9	121	33.8	279	38.0
5-9	46	11.0	38	9.6	84	10.3
10-14	42	10.0	9	2.2	51	6.2
15-19	42	10.2	22	5.5	64	7.9
20-24	77	21.7	29	8.2	106	15.0
25-29	76	19.2	26	6.4	102	12.7
30-34	87	20.6	38	8.7	125	14.5
35-39	104	21.8	41	8.2	145	14.9
40-44	99	20.7	36	7.3	135	13.9
45-49	79	19.3	36	8.3	115	13.6
50-54	69	20.7	33	9.1	102	14.6
55-59	52	19.9	25	8.6	77	13.9
60-64	35	15.2	25	9.5	60	12.2
65-69	36	15.4	36	12.5	72	13.8
70-74	50	23.6	41	14.6	91	18.5
75-79	37	22.6	59	24.1	96	23.5
80-84	38	39.4	62	35.6	100	37.0
85+	21	35.4	69	44.2	90	41.8
All Ages	1,148	19.9	746	12.0	1,894	15.8

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	10	2.7	2	.	12	1.6
5-9	6	1.4	5	1.3	11	1.3
10-14	34	8.1	5	1.2	39	4.7
15-19	386	93.3	31	7.8	417	51.5
20-24	423	119.1	16	4.5	439	61.9
25-29	305	77.1	25	6.1	330	41.0
30-34	182	43.1	34	7.8	216	25.1
35-39	137	28.7	18	3.6	155	15.9
40-44	100	20.9	20	4.1	120	12.4
45-49	56	13.7	10	2.3	66	7.8
50-54	38	11.4	4	.	42	6.0
55-59	13	5.0	4	.	17	3.1
60-64	13	5.7	5	1.9	18	3.7
65-69	10	4.3	0	.	10	1.9
70-74	10	4.7	1	.	11	2.2
75-79	9	5.5	0	.	9	2.2
80-84	6	6.2	1	.	7	2.6
85+	8	13.5	0	.	8	3.7
All Ages	1,746	30.3	181	2.9	1,927	16.1

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1	.	0	.	1	.
5-9	0	.	0	.	0	.
10-14	4	.	0	.	4	.
15-19	29	8.4	4	.	33	4.9
20-24	27	9.1	1	.	28	4.7
25-29	19	5.7	0	.	19	2.8
30-34	22	6.1	2	.	24	3.3
35-39	24	5.8	3	.	27	3.2
40-44	19	4.5	1	.	20	2.4
45-49	7	1.9	0	.	7	.9
50-54	3	.	0	.	3	.
55-59	2	.	1	.	3	.
60-64	2	.	0	.	2	.
65-69	2	.	0	.	2	.
70-74	0	.	0	.	0	.
75-79	1	.	0	.	1	.
80-84	0	.	0	.	0	.
85+	0	.	0	.	0	.
All Ages	162	3.3	12	.2	174	1.7

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	7	14.8	1	.	8	8.6
5-9	1	.	2	.	3	.
10-14	8	17.0	1	.	9	9.7
15-19	282	617.6	21	48.3	303	340.0
20-24	285	762.7	11	28.2	296	387.7
25-29	199	488.4	12	26.9	211	247.4
30-34	104	256.9	18	40.7	122	144.1
35-39	63	147.0	11	23.1	74	81.8
40-44	46	118.4	9	20.0	55	65.6
45-49	24	77.7	3	.	27	38.6
50-54	18	81.1	1	.	19	36.9
55-59	4	.	1	.	5	11.4
60-64	3	.	1	.	4	.
65-69	3	.	0	.	3	.
70-74	1	.	1	.	2	.
75-79	1	.	0	.	1	.
80-84	0	.	0	.	0	.
85+	4	.	0	.	4	.
All Ages	1,053	200.1	93	15.6	1,146	102.0

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	83	22.0	63	17.6	146	19.9
5-9	27	6.5	10	2.5	37	4.5
10-14	57	13.6	18	4.5	75	9.1
15-19	638	154.3	126	31.8	764	94.3
20-24	765	215.3	124	35.1	889	125.4
25-29	601	152.0	141	34.5	742	92.2
30-34	566	133.9	181	41.5	747	86.9
35-39	567	118.9	158	31.7	725	74.4
40-44	428	89.5	89	18.1	517	53.3
45-49	268	65.4	63	14.5	331	39.2
50-54	130	38.9	20	5.5	150	21.5
55-59	67	25.7	13	4.5	80	14.5
60-64	41	17.8	17	6.5	58	11.8
65-69	27	11.5	15	5.2	42	8.0
70-74	23	10.9	13	4.6	36	7.3
75-79	25	15.2	27	11.0	52	12.7
80-84	6	6.2	13	7.5	19	7.0
85+	17	28.7	15	9.6	32	14.9
All Ages	4,336	75.3	1,106	17.7	5,442	45.4

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	53	17.5	34	11.9	87	14.8
5-9	8	2.3	5	1.5	13	2.0
10-14	33	9.4	6	1.8	39	5.7
15-19	185	53.6	37	11.2	222	32.8
20-24	212	71.5	37	12.6	249	42.2
25-29	158	47.4	46	13.5	204	30.2
30-34	173	47.9	79	21.3	252	34.4
35-39	216	52.2	57	13.3	273	32.4
40-44	140	33.2	44	10.3	184	21.6
45-49	98	26.8	31	8.1	129	17.3
50-54	52	17.3	11	3.4	63	10.1
55-59	31	13.2	7	2.7	38	7.7
60-64	18	8.6	9	3.8	27	6.1
65-69	10	4.7	11	4.2	21	4.4
70-74	13	6.6	11	4.3	24	5.3
75-79	15	9.8	25	11.0	40	10.5
80-84	2	.	12	7.4	14	5.5
85+	10	18.2	11	7.6	21	10.5
All Ages	1,427	28.6	473	8.8	1,900	18.3

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	25	52.8	24	52.3	49	52.5
5-9	11	20.8	3	.	14	13.4
10-14	18	38.1	8	17.4	26	27.9
15-19	360	788.5	76	174.9	436	489.2
20-24	402	1,075.8	68	174.5	470	615.6
25-29	347	851.6	75	168.3	422	494.7
30-34	310	765.9	84	190.1	394	465.3
35-39	276	644.0	88	184.9	364	402.5
40-44	232	597.0	35	77.9	267	318.5
45-49	133	430.5	25	63.9	158	225.7
50-54	66	297.4	7	23.9	73	141.7
55-59	26	142.2	4	.	30	68.4
60-64	16	102.7	3	.	19	50.2
65-69	15	94.2	3	.	18	46.6
70-74	10	78.4	2	.	12	38.3
75-79	6	67.0	2	.	8	33.6
80-84	3	.	0	.	3	.
85+	5	146.8	4	.	9	72.4
All Ages	2,261	429.7	511	85.5	2,772	246.6

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	3	.	1	.	4	.
5-9	2	.	2	.	4	.
10-14	51	12.1	261	65.1	312	38.0
15-19	394	95.3	863	217.6	1,257	155.2
20-24	465	130.9	511	144.5	976	137.7
25-29	433	109.5	573	140.1	1,006	125.0
30-34	480	113.6	701	160.6	1,181	137.5
35-39	526	110.3	719	144.5	1,245	127.8
40-44	426	89.0	561	114.0	987	101.7
45-49	304	74.1	353	81.1	657	77.7
50-54	161	48.2	197	54.3	358	51.4
55-59	84	32.2	118	40.5	202	36.6
60-64	45	19.6	73	27.7	118	23.9
65-69	48	20.5	57	19.7	105	20.1
70-74	34	16.1	55	19.6	89	18.1
75-79	36	22.0	41	16.7	77	18.8
80-84	26	26.9	29	16.7	55	20.3
85+	16	27.0	18	11.5	34	15.8
All Ages	3,534	61.4	5,133	82.3	8,667	72.2

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	2	.	0	.	2	.
5-9	2	.	1	.	3	.
10-14	36	10.3	173	51.9	209	30.6
15-19	297	86.1	628	189.6	925	136.8
20-24	337	113.7	362	123.5	699	118.6
25-29	305	91.6	407	119.1	712	105.5
30-34	339	93.9	511	137.8	850	116.2
35-39	393	95.0	552	128.5	945	112.1
40-44	318	75.3	462	107.7	780	91.7
45-49	230	62.9	289	75.8	519	69.5
50-54	125	41.5	173	53.8	298	47.8
55-59	69	29.4	93	36.1	162	32.9
60-64	37	17.8	64	27.3	101	22.8
65-69	45	21.0	49	18.8	94	19.8
70-74	32	16.3	49	18.9	81	17.8
75-79	35	22.9	32	14.1	67	17.6
80-84	26	28.7	25	15.3	51	20.1
85+	12	21.9	16	11.0	28	14.0
All Ages	2,640	53.0	3,886	72.1	6,526	62.9

Source: PHC4.

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

** Per 100,000 population, 1997; 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, 1997

	Gender					
	Male		Female		Total	
	Number	Rate**	Number	Rate**	Number	Rate**
Under 5	1	.	0	.	1	.
5-9	0	.	0	.	0	.
10-14	7	14.8	37	80.7	44	47.3
15-19	35	76.7	78	179.5	113	126.8
20-24	59	157.9	76	195.0	135	176.8
25-29	65	159.5	93	208.7	158	185.2
30-34	76	187.8	116	262.5	192	226.8
35-39	72	168.0	83	174.4	155	171.4
40-44	66	169.8	40	89.0	106	126.5
45-49	44	142.4	34	86.9	78	111.4
50-54	17	76.6	9	30.7	26	50.5
55-59	7	38.3	9	35.2	16	36.5
60-64	4	.	1	.	5	13.2
65-69	3	.	4	.	7	18.1
70-74	0	.	2	.	2	.
75-79	1	.	1	.	2	.
80-84	0	.	1	.	1	.
85+	0	.	2	.	2	.
All Ages	457	86.9	586	98.0	1,043	92.8

Source: PHC4.

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

** Per 100,000 population, 1997; 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)
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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 1997. 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 1997.

Healthy People Year 2000 Objective	Pennsylvania Rate, 1997	% Above Target
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 809.4 per 100,000 people.	6.9
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 1,590.0 per 100,000 people.	46.1
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 1,050.9 per 100,000 people.	42.2
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 3,649.5 per 100,000 people.	40.3
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 117.6 per 100,000 people.	9.9
		% Below Target
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 4.5 per 100,000 people.	16.0
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 6.8 per 100,000 people.	4.2

References

1. Baker SP, O'Neill B, Ginsburg MJ, Li G. *The Injury Fact Book*. 2nd edition. New York, NY: Oxford University Press; 1992.
2. Committee on Trauma Research. *Injury in America: A Continuing Public Health Problem*. Washington, DC: National Academy Press; 1985.
3. The National Committee for Injury Prevention and Control. *Injury Prevention: Meeting the Challenge*. New York, NY: US Department of Health and Human Services; 1989.
4. Pennsylvania Department of Health. *Injury Deaths in Pennsylvania, 1985-1996*. Harrisburg, PA: Division of Health Statistics; 1997.
5. SPSS for Windows [computer program]. Version 10.5. Chicago, IL: SPSS, Inc, 2000.
6. Wisconsin Department of Health and Social Services. *Injuries in Wisconsin: Discharges, Physician Visits, and Deaths*. Madison, WI: Division of Health Center for Health Statistics and Bureau of Community Health and Prevention; 1988.
7. Baker SP, Waller AE. *Childhood Injury: State-by-State Mortality Facts*. Baltimore, MD: The Johns Hopkins Injury Prevention Center; 1989.
8. Keefer S, Murray K, West MP, Bull D. *Injury in Colorado - The Baseline Analysis*. Denver, CO: Colorado Department of Health; 1989.
9. Helsing K, Rodgers C, Shapiro E, Cowan L, Berenholz G, Caplan L. *Injuries in Massachusetts: A Data Source Book*. Boston, MA: Statewide Comprehensive Injury Prevention Program. Massachusetts Department of Public Health; 1990.
10. New York State Department of Health. *Injury Mortality in New York State 1984-1988*. Albany, NY: Injury Control Program; 1990.
11. Becker C. *Health Risks of Pennsylvania Adults 1991: A Report of Data from the Behavioral Risk Factor Surveillance System*. Harrisburg, PA: Pennsylvania Department of Health.
12. Lambert-Huber D, Becker LR. *Injuries in Maryland*. Baltimore, MD: Maryland Injury Prevention and Control Program. Department of Health and Mental Hygiene; 1991.

13. Baker SP, Li G, Fowler C, Dannenberg AL. *Injuries to Bicyclists: A National Perspective*. Baltimore, MD: The Johns Hopkins Injury Prevention Center; 1993.
14. Kiely M, Steiger L. *Injury in New Hampshire: Mortality and Hospitalizations*. Concord, NH: Chronic Disease Epidemiology Program, New Hampshire Division of Public Health Services; 1993.
15. California Department of Health Services. *Injuries in California, 1991*. Sacramento, CA: Emergency Preparedness and Injury Control Branch; 1996.
16. Forjuoh SN, Weiss HB, Coben JH, Garrison HG. The standardization of statewide hospitalized injury morbidity reports. *Am J Public Health* 1996; 85: 732-733.
17. Pennsylvania Department of Health. *Pennsylvania Vital Statistics 1997*. Harrisburg, PA: Division of Health Statistics and Research; 1997.
18. Pennsylvania Department of Health. *Health Profile, 1997. Pennsylvania Counties*. Harrisburg, PA: Division of Health Statistics and Research; 1997.
19. National Center for Injury Prevention and Control. Proposed External Cause of Injury (E-CODE) Groupings. April 16, 1996.
20. Centers for Disease Control and Prevention. *Healthy People 2000: National Health Promotion and Disease Prevention Objectives*. Hyattsville, MD: U.S. Dept of Health and Human Services, DHHS Publication No. (PHS) 96-1256, 1996.

Pennsylvania Department of Health
Injury Prevention Program
P.O. Box 90
Harrisburg, PA 17108-0090
(717) 787-5900
<http://www.health.state.pa.us>

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

The Department of Health is an equal opportunity provider of grants, contracts, services, and employment.

This publication was supported by the Preventive Health and Health Services Block Grant from the Centers for Disease Control and Prevention (CDC).

