

# KENTUCKY INJURY INDICATORS



## 2015

**KENTUCKY VIOLENCE AND INJURY PREVENTION PROJECT (KVIPP)**

**COOPERATIVE AGREEMENT No: 5U17/CE002017-07**

**KENTUCKY INJURY PREVENTION AND RESEARCH CENTER**

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## Abbreviations

CDC	Centers for Disease Control and Prevention
ED	Emergency Department
ICD	International Classification of Diseases
KIPRC	Kentucky Injury Prevention and Research Center
KY-IPOP	Kentucky Inpatient and Outpatient Claims Database
MVTC	Motor Vehicle Traffic Crash
PAR	Police Accident Report
SII	State Injury Indicator Reports
WISQARS	Web-based Injury Statistics Query and Reporting System
WONDER	Wide-ranging Online Data for Epidemiologic Research
ATV	All-Terrain Vehicle

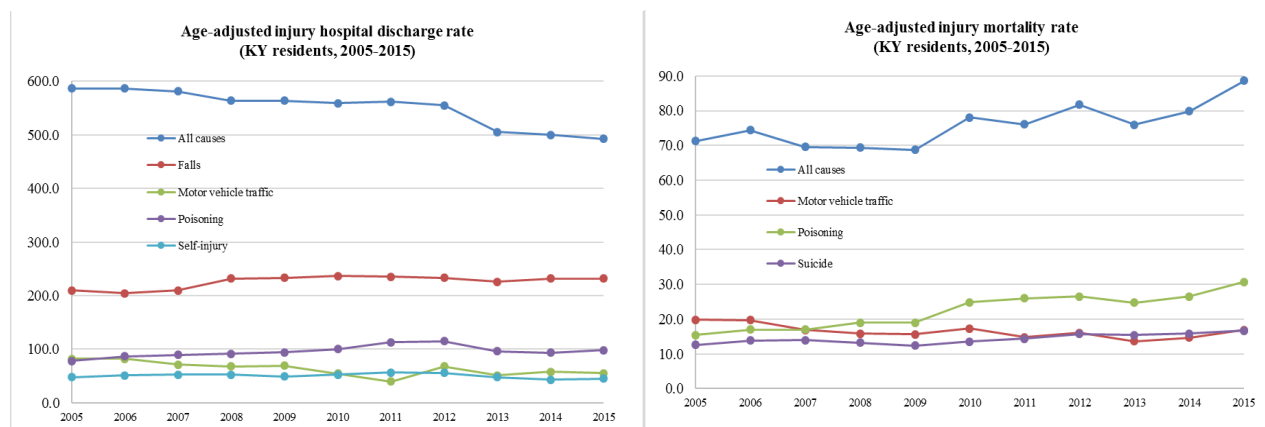
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## Executive Summary\*

Kentucky's overall age-adjusted injury mortality rate increased by over 8% in year 2015 compared to year 2014 (from 79.9 per 100,000 population to 88.7/100,000). The three leading causes of injury mortality in Kentucky — poisonings (33%), suicides (19%), motor vehicle traffic crashes (19%) — all increased over year 2014 levels.

The injury morbidity rate in Kentucky, as measured by hospitalization discharges, has steadily declined in recent years. In year 2015 this decline continued, with the age-adjusted rate of all cause injury-related hospitalizations per 100,000 population decreasing by 7.6% from 500.0 in 2014 to 492.4 in 2015. The motor vehicle traffic-related injury hospitalization discharge rate decreased, whereas, the rates for self-injuries (from 43.4 to 44.9 per 100,000 population) and poisonings (from 93.6 to 98.3 per 100,000 population), that include drug overdoses, increased.



### Fatalities\*

The leading causes of injury mortality in Kentucky residents in year 2015 were *poisonings* (1,316), *suicides* (761), and *motor vehicle traffic crashes* (757). Of the 1,316 poisonings, 1,238 (94%) were drug overdoses involving prescription medications and/or illicit drugs. The leading causes of violent deaths were *suicide by firearm* (494), *suicide by suffocation/hanging* (176), and *homicide by firearm* (173). Traumatic brain injury\*\* (TBI) accounted for 989 fatalities.

### Hospitalizations\*

The leading causes of injury-related hospitalizations in Kentucky were *unintentional falls* (11,582), *poisonings* (4,352), and *motor vehicle traffic crashes* (2,478). The leading cause of unintentional fall-related hospitalizations was due to falls occurring on the same level (3,841). Of the 4,352 poisonings, 1,770 (41%) were suicidal, 1,587 (36%) unintentional, and 991 (23%) undetermined intents. TBI\*\* accounted for 2,952 hospitalizations.

### Emergency Department Visits\*

The leading causes of injury-related emergency department (ED) visits in Kentucky were *unintentional falls* (146,114), being *struck by or against an object or person* (59,434), *motor vehicle traffic crashes* (51,679), *overexertion* (41,541), and *unintentional cuts/piercings* (30,306). The leading cause of violent injury-related hospitalizations was assault by *fight, brawls, and rapes* (6,208). TBI\*\* accounted for 35,014 emergency department visits.

\* Throughout this report, data on mortalities are reported for the entire 2015 year. Data on morbidities (both hospitalizations and emergency department visits) use data from October 1, 2014 to September 30, 2015 to account for ICD-9-CM to ICD-10-CM coding changes. Data are provisional and subject to change.

\*\* Traumatic brain injury is reported as a cause of death on the death certificate alone or in combination with other injuries or conditions.

\*\*\* TBI alone or in combination with other injuries or conditions.

## Data Sources and Methods

### Data Sources

1. For population: U.S. Census, “Annual Estimates of the Resident Population by Single Year of Age and Sex for the United States, States, and Puerto Rico Commonwealth: 2015 Population Estimates”. Accessed at <http://www.factfinder.census.gov>.
2. Kentucky Death Certificate Database [2015], Kentucky Office of Vital Statistics, Cabinet for Health and Family Services, Frankfort, KY. Data are provisional and subject to change.
3. Kentucky Inpatient Hospitalization Claims Files [2015 quarters 1-3, 2014 quarter 4], Cabinet for Health and Family Services, Office of Health Policy. Data are provisional and subject to change. Starting October 1, 2015, coding switched from ICD-9-CM to ICD-10-CM, and there is not a one-to-one correspondence between ICD-9-CM and ICD-10-CM codes. The coding system transition should be considered when interpreting the data.
4. Kentucky Outpatient Services Database [2015 quarters 1-3, 2014 quarter 4], Cabinet for Health and Family Services, Office of Health Policy. Data are provisional and subject to change. Counts represent encounters of care and could be greater than the number of individual patients treated. Starting October 1, 2015, coding switched from ICD-9-CM to ICD-10-CM, and there is not a one-to-one correspondence between ICD-9-CM and ICD-10-CM codes. The coding system transition should be considered when interpreting the data.

### Methods

#### *Injury Fatalities*

The definitions for fatal injuries used in this report correspond to the CDC’s “State Injury Indicators Report: Instructions for Preparing 2015 Data.” The underlying cause of death field in the Kentucky death certificate file was used to identify the mechanism and manner of fatal injuries. All death counts in this report include Kentucky residents only.

#### *Injury Hospitalizations and Emergency Department Visits*

The definitions for hospitalized injuries used in this report correspond to the CDC’s “State Injury Indicators Report: Instructions for Preparing 2015 Data.” Specifically, case selection is limited to discharges of Kentucky residents from nonfederal, acute care, or inpatient facilities. Readmissions, transfers, and deaths occurring in the hospital are included.

An injury subset for hospitalizations was created by selecting discharges having a principal diagnosis code in the following ranges: 800–909.2, 909.4, 909.9, 910–994.9, 995.5–995.59, 995.80–995.85. **Note: Counts of injury hospitalizations (e.g., drug overdose/drug poisoning) from other sources that do not exclude cases where the principal diagnosis was not an injury, may not match counts for the same type of injury listed in this report.** An injury subset for emergency department visits was created similarly, but also included visits having a valid external cause of injury code regardless of the principal diagnosis. Emergency department visits involving discharge to an inpatient facility were excluded.

#### *Calculation of Rates*

Two types of rates are reported. Age-specific (“crude”) rates were calculated by dividing the number of injury events occurring in a particular age group by the estimated number of Kentucky residents in that age group in 2015, and multiplying by 100,000. Age-adjusted rates were adjusted to the year 2000 standard population.

**PLEASE NOTE:** Death counts in this report are based on state death certificate files, and thus cannot be expected to match counts based on other sources. In particular, numbers of motor vehicle traffic deaths will not match those based on police accident reports (PAR) because the two systems do not report on identical underlying populations. Death certificates capture deaths of Kentucky residents regardless of where they occur; PAR’s capture deaths that occur on Kentucky roads only, and regardless of state of residence. Similarly, counts of homicides and assaults in this report will not match counts based on police crime reports, for similar reasons. These data sources should be viewed as complementary. There also exist specialized, death certificate-based surveillance systems for injury fatalities at both the state (e.g. the Kentucky Violent Death Reporting System and Child Fatality Reviews) and national levels (e.g. CDC’s Web-Based Injury Statistics Query and Reporting System / WISQARS, and Wide-ranging Online Data for Epidemiologic Research / WONDER). Counts from those systems may not exactly match counts in this report due to differences in inclusion criteria, case definitions, the use of ancillary data sources for case identification, or other factors.

## Case definitions

### Fatal Injury Indicators

Indicator	Underlying cause of death - ICD-10 codes
All causes of injury	V01–Y36, Y85–Y87, Y89, *U01–*U03
Unintentional falls	W00-W19
Fall on same level	W00-W04, W18
Furniture or wheelchair	W05-W08
Playground equipment	W09
Stairs or steps	W10
Ladder, scaffolding, building, tree or cliff	W11-W15
Diving or jumping into water	W16
Other fall from level to another	W17
Unspecified fall	W19
Unintentional fire	X00-X09
Structural fire	X00,X02
Outdoor fire	X01,X03
Unspecified	X04-X09
Firearms	
Unintentional	W32-W34
Suicide	X72-X74
Homicide	X93-X95
Legal intervention	Y35.0
Undetermined intent	Y22-Y24
Terrorism	U01.4
Homicide	X85-Y09, Y87.1, U01-U02
Poisoning	X85-X90
Suffocation	X91
Firearms	X93-X95
Cut/pierce	X99
Unspecified means	Y09, Y87.1
Terrorism	U01-U02
Other, specified	X92, X96-X98, Y00-Y08
Motor vehicle traffic crash	
Pedestrian	V02-V04(.1-.9), V09.2
Pedal cyclist	V12-V14 (.3-.9), V19 (.4-.6)
Motorcyclist	V20-V28 (.3-.9), V29 (.4-.9)
ATV or 3-wheel motor vehicle rider	V30-V39 (.4-.9), V86 (.0-.3)
Passenger motor vehicle occupant	V40-V49 (.4-.9), V50-V59 (.4-.9)
Heavy transport vehicle occupant	V60-V69 (.4-.9)
Bus occupant	V70-V79 (.4-.9)
Other, specified	V81-V82 (.1), V83-V85 (.0-.3), V80 (.3-.5)
Mode unspecified	V87 (.0-.8), V89.2
Poisoning	
Accidental - drugs/medications	X40-X44
Accidental - other	X45-X49
Suicide	X60-X69
Homicide	X85-X90
Undetermined intent	Y10-Y19
Other	Y35.2, U01.6-U1.7
Suicide	X60-X84, Y87.0, U03
Poisoning	X60-X69
Suffocation/hanging	X70
Firearms	X72-X74
Other mechanism	X71, X75-X84, Y87.0, U03



### *Injury Hospitalization and Emergency Department Visit Indicators*

Indicator	External cause of injury (unless otherwise noted) - ICD-9 codes
All causes of injury	
Hospitalizations	800–909.2*, 909.4*, 909.9–994.9*, 995.5–995.59*, 995.80–995.85*
ED visits	800–909.2*, 909.4*, 909.9–994.9*, 995.5–995.59*, 995.80–995.85*
	OR E-code E800-E869, E880-E929, E950-E999
Unintentional falls	E880-E886, E888
Furniture or wheelchair	E884 (.2-.6)
Playground equipment	E884.0
Stairs or steps	E880
Ladder, scaffolding, building or cliff	E881-E882, E884.1
Hole or opening in surface	E883
Same level - sports	E886.0
Same level - other recreation	E885 (.0-.4)
Other fall on same level	E885.9, E886.9
Other fall from one level to another	E884.9
Unspecified fall	E888
Unintentional fire	E890-E899
Structural fire	E890-E891, E893 (.2,.8,.9), E895-E896, E898 (except .1)
Outdoor fire	E892, E897, E893.2
Unspecified	E894, E899, E893.8, E893.9, E898.1
Firearms	
Unintentional	E922 (.0-.3,.8,.9)
Suicide	E955 (.0-.4)
Homicide	E965 (.0-.4)
Legal intervention	E985 (.0-.4)
Undetermined intent	E970
Terrorism	E979.4
Assault	E960-E969, E999.1, E979
Poisoning	E962
Suffocation	E963
Firearms	E965
Cut/pierce	E966
Unspecified means	E968 (.8,.9)
Terrorism	E979
Other, specified	E961, E964, E968, E969
Fight, brawl, or rape	E960
Abuse	E967
Blunt or thrown object	E968.2
Motor vehicle traffic crash	E810-E819
Pedestrian	E810-E819 (.7)
Pedal cyclist	E810-E819 (.6)
Motorcyclist	E810-E819 (.2,.3)
Other motor vehicle	E810-E819 (.0,.1)
Other mode	E810-E819 (.4,.5,.8)
Unspecified mode	E810-E819 (.9)
Poisoning	
Accidental - drugs/medications	E850-E858
Accidental - other	E860-E869
Self-injury - drugs/medications	E950.0-E950.5
Self-injury - other	E951-E952, E950.6-E950.9
Assault	E962
Undetermined - drugs/medications	E980
Undetermined - other	E981-E982
Other	E972, E979 (.6,.7)
Self-injury	
Poisoning - drugs/medications	E950 (.0-.5)
Poisoning - other	E951-E952, E950.6-E950.9
Suffocation/hanging	E953
Firearms	E955
Cut/pierce	E956
Other mechanism	E954, E957-E959

\* Principal/first-listed diagnosis code

### ***Abbreviations for “Leading Cause” by Age Group tables***

MVTC – Motor vehicle traffic crash. This includes crashes that occurred on a public roadway and involved at least one motor vehicle. All persons injured in MVTCs are counted here. Bicyclists and pedestrians who were struck by a motor vehicle would be counted here, but those who crashed on a public roadway without involvement of a motor vehicle would be counted elsewhere (see “Pedal Cycle” definition).

Other Transport - Transportation injuries other than MVTC. Includes motor vehicle crashes that occurred somewhere other than on a public roadway; water and air transport injuries, etc. This category only appears in the leading causes of hospitalizations and emergency department visit tables.

Othr Land Transport - Other land transportation. Includes motor vehicle crashes that occurred somewhere other than on a public roadway, rail injuries, etc. Does not include air or water injuries. This category only appears in the leading causes of death table.

Other Pedal Cyc - Other pedal cycle. Transportation injuries that involve any non-motorized vehicle, excluding an animal-drawn vehicle, or a sidecar or trailer attached to a pedal cycle.

Natural/Environ - Natural or environmental causes (insect bites and stings, animal bites, extreme weather, excessive heat or cold, etc.).

Other Specified - Other specified cause of injury. Includes a variety of relatively low-incidence causes of injury grouped together.

Not Specified - Injuries for which an external code of injury either (a) was not specified or (b) was specified but did not indicate the mechanism or manner of injury.

NEC- Not elsewhere classified. An external cause of injury code that is intended for use when no other code exists which adequately describes the mechanism and manner of injury.

## Leading Causes of Injury-Related Deaths of KY Residents by Age Group, 2015

Age Group												
Rank	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total*
1	Suffocation 11	MVTC 14	MVTC 23	MVTC 138	Poisoning 280	Poisoning 310	Poisoning 305	Poisoning 164	MVTC 77	Fall 99	Not Specified 116	Poisoning 1,169
2		Fire/Flame 8	Drowning 6	Poisoning 66	MVTC 126	MVTC 110	MVTC 121	MVTC 93	Firearm 72	MVTC 40	Fall 115	MVTC 757
3			Firearm 5	Firearm 59	Firearm 64	Firearm 71	Firearm 87	Firearm 88	Fall 56	Not Specified 39	Suffocation 23	Firearm 494
4				Firearm 38	Firearm 56	Suffocation 37	Suffocation 33	Fall 24	Not Specified 27	Firearm 36	MVTC 13	Fall 328
5				Suffocation 31	Suffocation 41	Firearm 31	Poisoning 23	Firearm 22	Poisoning 25	Suffocation 19	Firearm 12	Not Specified 206
6				Drowning 11	Poisoning 14	Poisoning 26	Poisoning 21	Poisoning 20	Suffocation 13	Poisoning 9	Poisoning 7	Suffocation 176
7				Othr Land Transport 9	Drowning 9	Poisoning 14	Firearm 18	Suffocation 16	Suffocation 11	Fire/Flame 7		Firearm 173
8				Poisoning 8	Struck by/against 6	Drowning 10	Fall 14	Fire/Flame 13	Fire/Flame 10	Suffocation 6		Suffocation 95
9				Fall 5	3 tied #	Fall 9	Other Specified 9	Not Specified 11	3 tied #	Othr Land Transport 5		Poisoning 80
10						Fire/Flame 6	Drowning 8	3 tied #				Poisoning 66

Note : Counts less than five are not included in this matrix. \*Total indicates the leading cause of injury-related death across all age groups. Produced by the Kentucky Injury Prevention and Research Center, a bona fide agent for the Kentucky Department for Public Health. July 2017. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data are provisional and subject to change.

<b>Legend:</b>	Unintentional	Undetermined	Homicide	Suicide
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### Leading Causes of Injury-Related Hospitalizations of KY Residents from Acute Care Facilities by Age Group, 2015

	Age Group												
Rank	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total*	
1	Falls 23	Falls 38	Falls 88	MVTC 443	MVTC 414	Poisoning 407	Falls 743	Falls 1,460	Falls 2,274	Falls 3,140	Falls 3,171	Falls 11,582	
2	Other Specified 6	Poisoning 22	MVTC 73	Poisoning 317	Poisoning 352	MVTC 372	MVTC 380	MVTC 347	MVTC 217	MVTC 161	MVTC 52	MVTC 2,478	
3	Not Specified 5	MVTC 16	Poisoning 45	Falls 120	Poisoning 229	Falls 329	Poisoning 362	Poisoning 322	Poisoning 182	Poisoning 83	Not Specified 51	Poisoning 1,770	
4		Natural/ Environ 10	Other Transport 33	2 tied #	Poisoning 218	Poisoning 262	Poisoning 326	Poisoning 210	Poisoning 55	Not Specified 55	Poisoning 40	Poisoning 1,587	
5		Struck by/against 8	Other Pedal Cycle 16	Other Transport 88	Falls 196	Poisoning 207	Poisoning 224	Poisoning 160	2 tied #	Other Specified 26	Struck by/against 20	Poisoning 991	
6		2 tied #	Struck by/against 15	Firearm 75	Other Transport 55	Other Transport 67	Other Transport 69	Other Transport 68	Poisoning 46	Other Transport 24	Other Specified 16	Other Transport 468	
7		Fire/Flame 5	Natural/ Environ 10	2 tied #	Struck by/against 37	Natural/ Environ 34	Natural/ Environ 47	Natural/ Environ 54	Natural/ Environ 30	Natural/ Environ 21	2 tied #	Not Specified 271	
8			Other Specified 9	Struck by/against 23	Fire/Flame 34	Struck by/against 32	2 tied #	Fire/Flame 41	Fire/Flame 25	Overexertion 18	Other Transport 9	Natural/ Environ 267	
9			2 tied #	Natural/ Environ 19	Firearm 33	Fire/Flame 30	Fire/Flame 45	Other Specified 36	Other Specified 23	3 tied #	Natural/ Environ 8	Struck by/against 266	
10			Cut/Pierce 6	Cut/Pierce 18	Natural/ Environ 32	2 tied #	Other Specified 38	Not Specified 35	Struck by/against 22	Poisoning 16	Fire/Flame 7	Fire/Flame 228	

Note: Counts less than five are not included in this matrix. \*Total indicates the leading cause of injury-related hospitalizations across all age groups. Produced by the Kentucky Injury Prevention and Research Center, a bona fide agent for the Kentucky Department for Public Health, August 2017. Data source: Kentucky Inpatient Hospitalization Claims Files, Frankfort, KY; Cabinet for Health and Family Services, Office of Health Policy. Data are provisional and subject to change.

Legend:	Unintentional	Homicide	Suicide
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### Leading Causes of Injury-Related Emergency Department Visits of KY Residents by Age Group, 2015

	Age Group											
Rank	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total*
1	Falls 2,017	Falls 12,211	Falls 19,200	MVTC 13,386	Falls 14,831	Falls 15,834	Falls 17,491	Falls 16,282	Falls 13,583	Falls 12,290	Falls 9,133	Falls 146,114
2	Struck by/against 375	Struck by/against 3,957	Struck by/against 12,358	Falls 13,242	MVTC 10,807	MVTC 7,876	MVTC 6,846	MVTC 4,554	MVTC 2,248	MVTC 858	Struck by/against 433	Struck by/against 51,984
3	Natural/Environ 314	Natural/ Environ 3,119	Overexertion 4,769	Struck by/against 11,188	Overexertion 8,699	Overexertion 7,708	Poisoning 5,800	Overexertion 3,023	Struck by/against 1,508	Struck by/against 788	Not Specified 345	Poisoning 51,679
4	MVTC 308	Other Specified 2,569	Natural/ Environ 4,415	Overexertion 8,433	Struck by/against 7,937	Struck by/against 6,106	Struck by/against 4,510	Struck by/against 2,824	Overexertion 1,455	Not Specified 741	MVTC 252	Overexertion 41,541
5	Poisoning 210	Cut/Pierce 1,385	Cut/Pierce 4,067	Cut/Pierce 5,899	Cut/Pierce 5,939	Cut/Pierce 4,496	Cut/Pierce 3,602	Cut/Pierce 2,637	Cut/Pierce 1,423	Overexertion 621	Overexertion 211	Cut/Pierce 30,306
6	Other Specified 203	Not Specified 1,219	MVTC 3,355	Natural/ Environ 3,698	Not Specified 4,095	Not Specified 3,872	Not Specified 3,211	Not Specified 1,976	Not Specified 1,192	Cut/Pierce 597	Cut/Pierce 192	Natural/Environ 24,779
7	Not Specified 185	Poisoning 1,216	Other Specified 3,030	Not Specified 3,577	Natural/ Environ 3,625	Natural/ Environ 3,123	Natural/ Environ 2,766	Natural/ Environ 1,947	Natural/ Environ 1,175	Natural/ Environ 457	Other Specified 183	Not Specified 22,781
8	Fire/Flame 101	MVTC 1,189	Not Specified 2,368	Other Specified 2,965	Other Specified 3,036	Other Specified 2,376	Other Specified 2,041	Other Specified 1,294	Other Specified 687	Other Specified 378	Natural/ Environ 140	Other Specified 18,762
9	Cut/Pierce 69	Overexertion 776	Other Pedal Cvc 2,103	Struck by/against 2,094	Struck by/against 1,859	Struck by/against 1,331	Struck by/against 998	NEC 647	NEC 340	NEC 227	NEC 114	Poisoning 8,018
10	NEC 51	Fire/Flame 737	NEC 1,186	Other Transport 1,726	Poisoning 1,579	NEC 1,189	NEC 986	Poisoning 570	Poisoning 311	Poisoning 206	Poisoning 68	NEC 7,971

Note: Counts less than five are not included in this matrix. \*Total indicates the leading cause of injury-related emergency department visits across all age groups. Produced by the Kentucky Injury Prevention and Research Center, a bona fide agent for the Kentucky Department for Public Health, August 2017. . Data source: Kentucky Outpatient Services Database, Office of Health Policy. Data are provisional and subject to change. Counts represent encounters of care and could be greater than the number of individual patients treated.

<b>Legend:</b>	
Unintentional	Homicide
Undetermined	Suicide

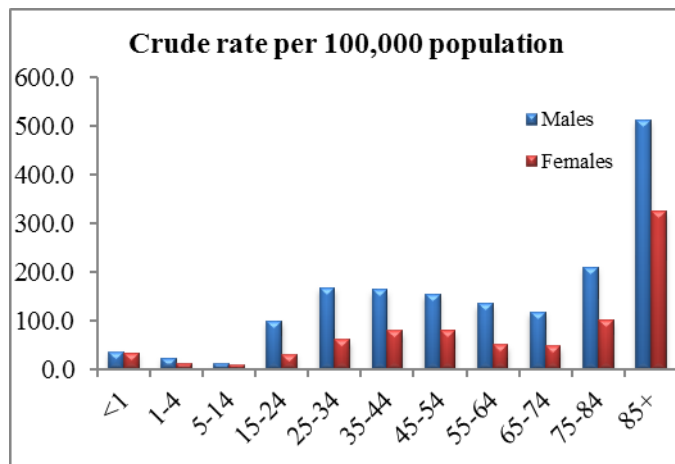
## All Injuries - by Age and Sex

### Fatalities

Total: 3,974 (88.7\*)

Males: 2,672 (124.0\*)

Females: 1,298 (55.1\*)



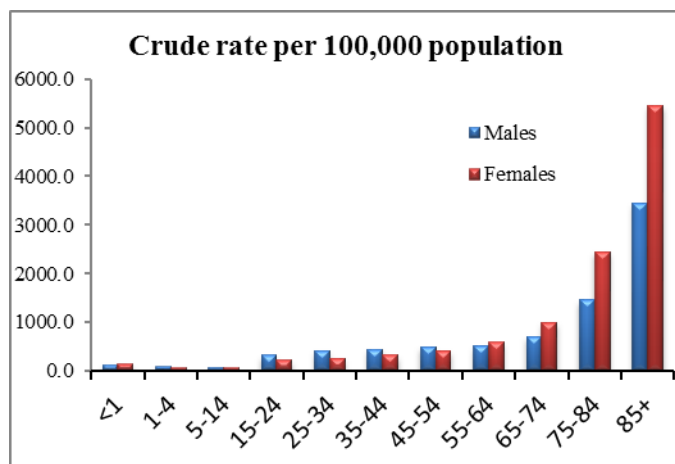
Age	Males	Females
<1	10	9
1-4	26	12
5-14	32	23
15-24	303	87
25-34	479	170
35-44	455	220
45-54	461	242
55-64	380	152
65-74	220	101
75-84	176	113
85+	130	169

### Hospitalizations

Total: 23,372 (492.4\*)

Males: 10,089 (466.4\*)

Females: 13,283 (499.2\*)



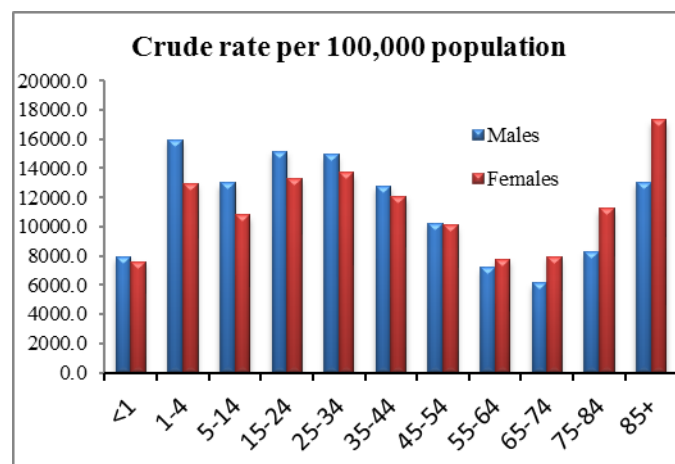
Age	Males	Females
<1	34	36
1-4	89	64
5-14	184	165
15-24	988	619
25-34	1,191	742
35-44	1,242	912
45-54	1,487	1,263
55-64	1,449	1,763
65-74	1,328	2,119
75-84	1,221	2,760
85+	876	2,840

### Emergency Dept. Visits

Total: 505,185 (11,780.3\*)

Males: 255,579 (12,089.0\*)

Females: 249,586 (11,398.9\*)



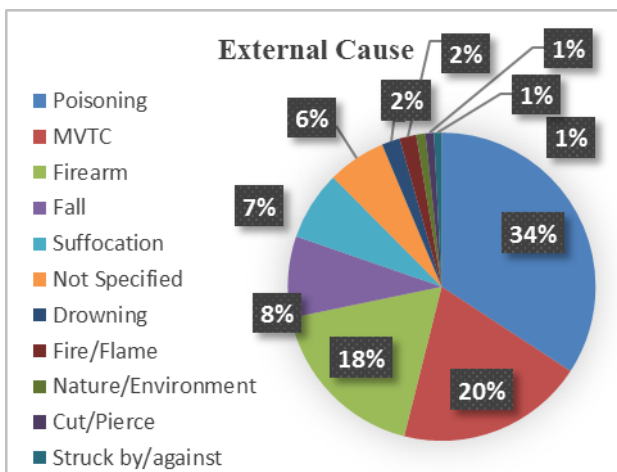
Age	Males	Females
<1	2,269	2,055
1-4	18,219	13,972
5-14	37,385	29,619
15-24	46,604	38,488
25-34	42,675	38,708
35-44	35,800	33,822
45-54	30,529	30,895
55-64	20,349	23,519
65-74	11,471	16,830
75-84	6,965	12,667
85+	3,313	9,011

\* Age-adjusted rate per 100,000 population

Note: Tables reflect case counts

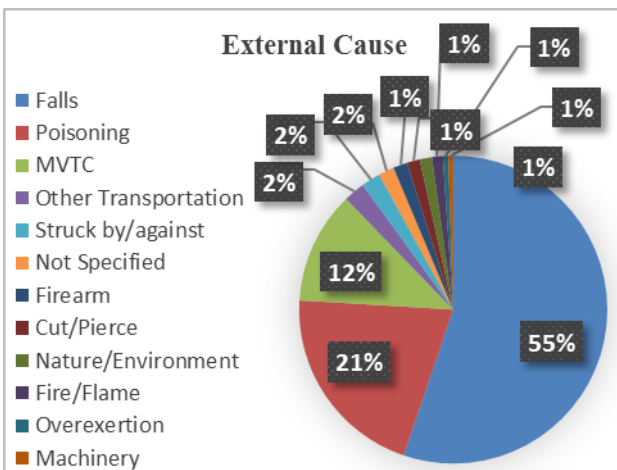
# All Injuries - by External Cause

## Fatalities



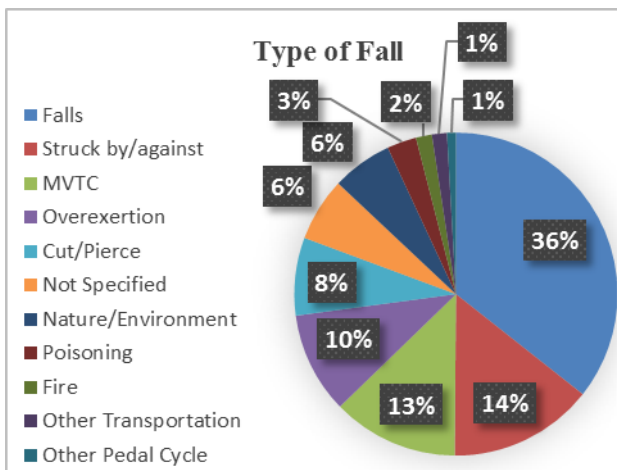
External Cause	Number
Poisoning	1,316
MVTC	757
Firearm	686
Fall	328
Suffocation	279
Not Specified	236
Drowning	73
Fire/Flame	68
Nature/Environment	37
Cut/Pierce	34
Struck by/against	31

## Hospitalizations



External Cause	Number
Falls	11,588
Poisoning	4,352
MVTC	2,479
Other Transportation	468
Struck by/against	425
Not Specified	345
Firearm	313
Cut/Pierce	283
Nature/Environment	269
Fire/Flame	239
Overexertion	120
Machinery	105

## Emergency Department Visits



External Cause	Number
Falls	146,192
Struck by/against	59,434
MVTC	51,717
Overexertion	41,541
Cut/Pierce	31,959
Not Specified	26,062
Nature/Environment	24,802
Poisoning	12,096
Fire	6,539
Other Transportation	6,184
Other Pedal Cycle	3,634



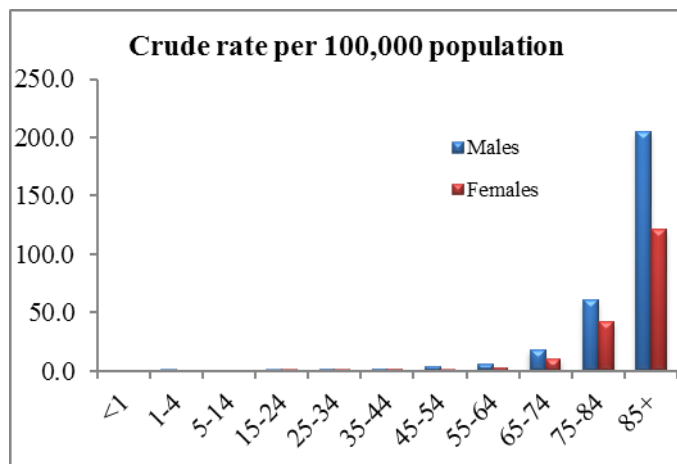
# Unintentional Falls - by Age and Sex

## Fatalities

Total: 328 (6.7\*)

Males: 177 (8.8\*)

Females: 151 (5.2\*)



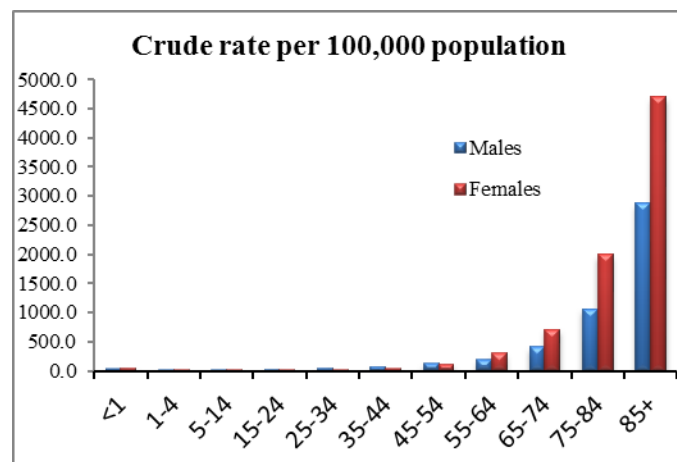
Age	Males	Females
<1	0	0
1-4	#	0
5-14	0	0
15-24	#	#
25-34	#	#
35-44	#	#
45-54	11	#
55-64	16	8
65-74	34	22
75-84	51	48
85+	52	63

## Hospitalizations

Total: 11,582 (232.0\*)

Males: 3,837 (180.6\*)

Females 7,745 (266.0\*)



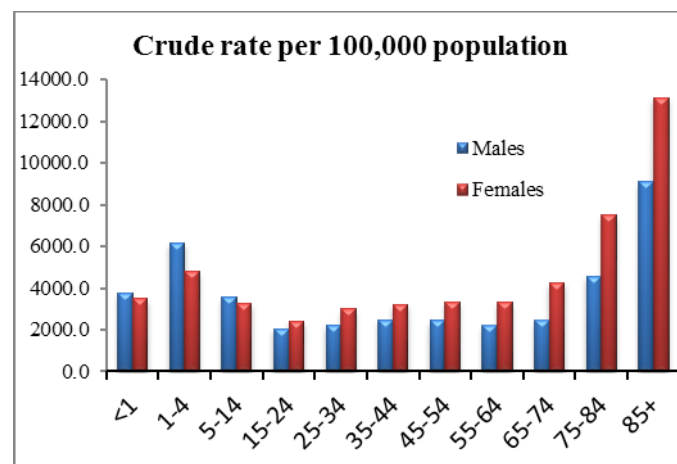
Age	Males	Females
<1	10	13
1-4	25	13
5-14	51	37
15-24	83	37
25-34	143	53
35-44	206	123
45-54	393	350
55-64	533	927
65-74	771	1,503
75-84	894	2,246
85+	728	2,443

## Emergency Department Visits

Total: 146,114 (3,296\*)

Males: 62,110 (2,927.9\*)

Females: 84,001 (3,609.4\*)



Age	Males	Females
<1	1,073	944
1-4	7,050	5,160
5-14	10,231	8,969
15-24	6,296	6,946
25-34	6,384	8,447
35-44	6,882	8,952
45-54	7,282	10,209
55-64	6,214	10,068
65-74	4,563	9,020
75-84	3,827	8,463
85+	2,308	6,823

\* Age-adjusted rate per 100,000 population

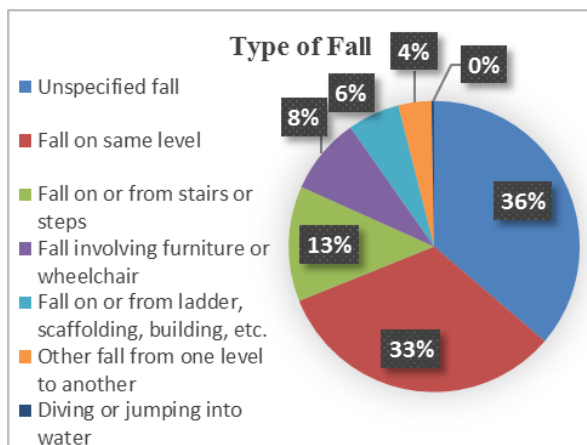
# At least 1 but less than or equal to 5

Note: Tables reflect case counts



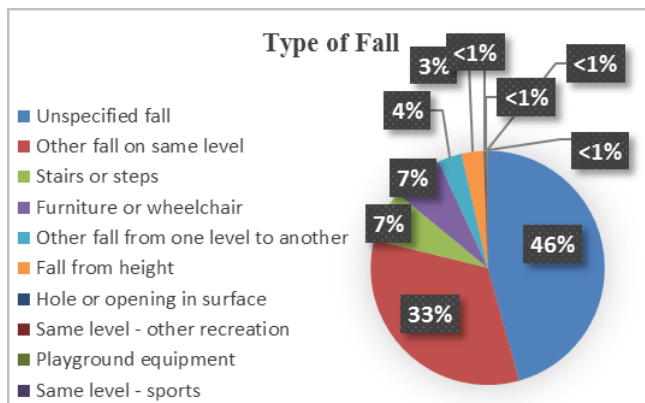
# Unintentional Falls - by Type of Fall

## Fatalities



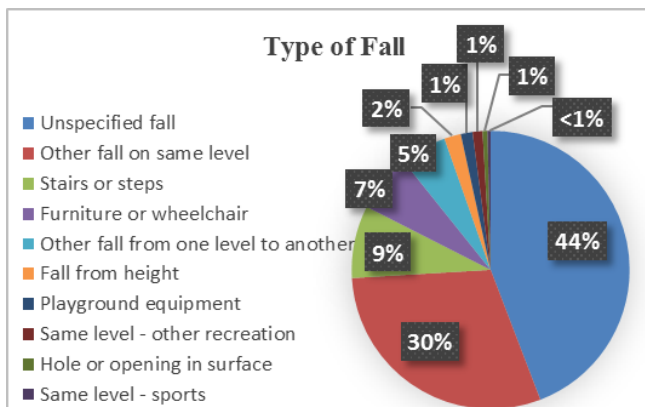
Type of Fall	Number
Unspecified fall	119
Fall on same level	107
Fall on or from stairs or steps	42
Fall involving furniture or wheelchair	28
Fall on or from ladder, scaffolding, building, tree or cliff	19
Other fall from one level to another	##
Diving or jumping into water (not drowning)	#

## Hospitalizations



Type of Fall	Number
Unspecified fall	5,290
Other fall on same level	3,841
Stairs or steps	828
Furniture or wheelchair	827
Other fall from one level to another	377
Fall from height	355
Hole or opening in surface	21
Same level - other recreation	19
Playground equipment	18
Same level - sports	6

## Emergency Department Visits



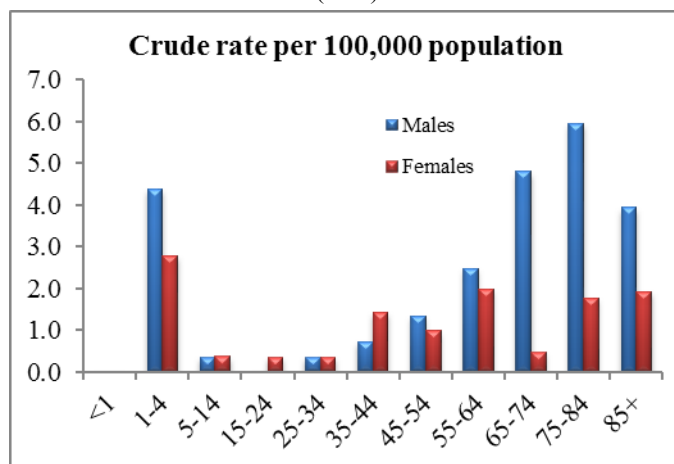
Type of Fall	Number
Unspecified fall	64,538
Other fall on same level	43,671
Stairs or steps	12,309
Furniture or wheelchair	9,867
Other fall from one level to another	7,849
Fall from height	2,839
Playground equipment	1,991
Same level - other recreation	1,692
Hole or opening in surface	823
Same level - sports	535

# At least 1 but less than or equal to 5

## Suppressed to prevent indirect disclosure

# Unintentional Fire-Related Injuries - by Age and Sex

**Fatalities** Total: 58 (1.2\*)



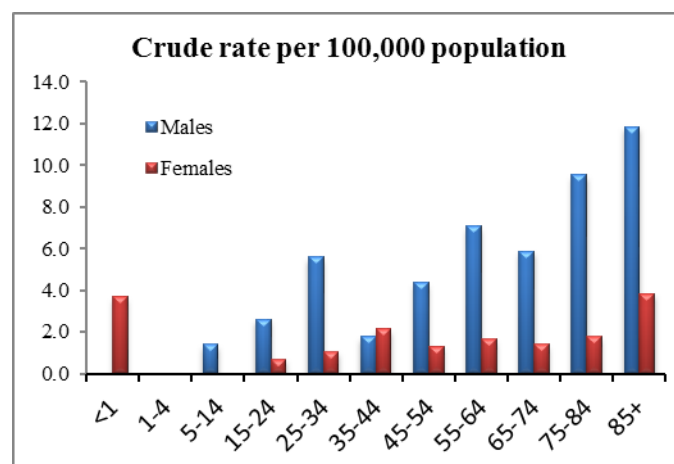
Males: 35 (1.5\*)

Females: 23 (1.0\*)

Age	Males	Females
<1	0	0
1-4	#	#
5-14	#	#
15-24	0	#
25-34	#	#
35-44	#	#
45-54	#	#
55-64	7	6
65-74	9	#
75-84	#	#
85+	#	#

**Hospitalizations**

Total: 116 (2.4\*)



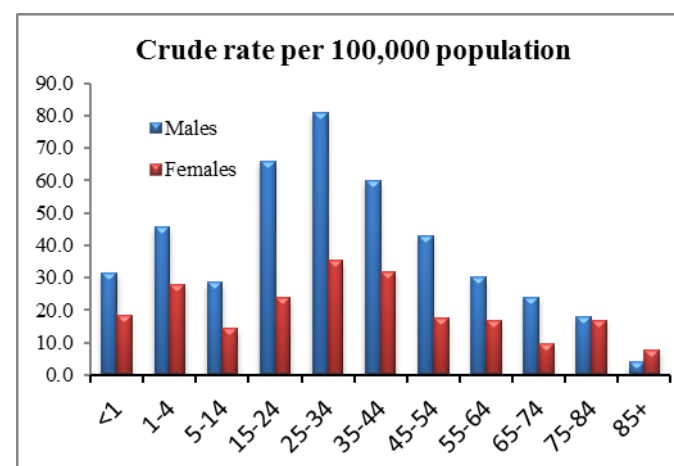
Males: 88 (3.8\*)

Females: 28 (1.2\*)

Age	Males	Females
<1	0	#
1-4	0	0
5-14	#	0
15-24	8	#
25-34	16	#
35-44	#	6
45-54	13	#
55-64	20	#
65-74	11	#
75-84	8	#
85+	#	#

**Emergency Department Visits**

Total: 1,499 (35.3\*)



Males: 1,018 (47.8\*)

Females: 481 (22.5\*)

Age	Males	Females
<1	##	#
1-4	52	30
5-14	82	40
15-24	202	69
25-34	231	100
35-44	168	89
45-54	128	54
55-64	85	51
65-74	45	20
75-84	15	19
85+	#	#

\* Age-adjusted rate per 100,000 population

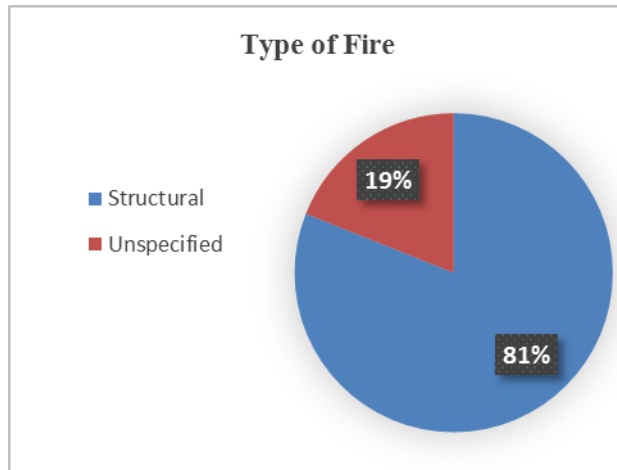
# At least 1 but less than or equal to 5

## Suppressed to prevent indirect disclosure

Note: Tables reflect case counts

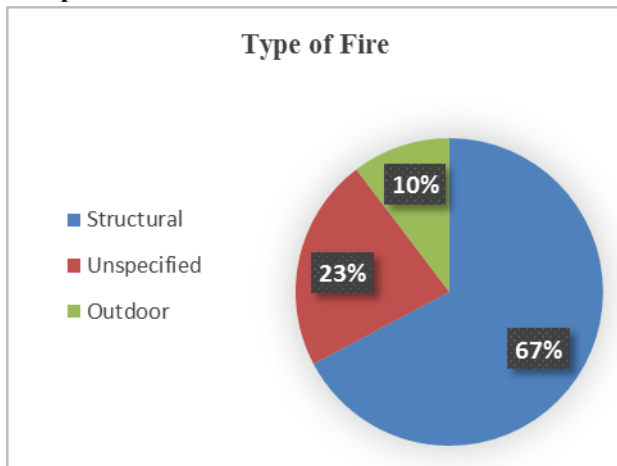
# Unintentional Fire-Related Injuries- by Type of Fire

## Fatalities



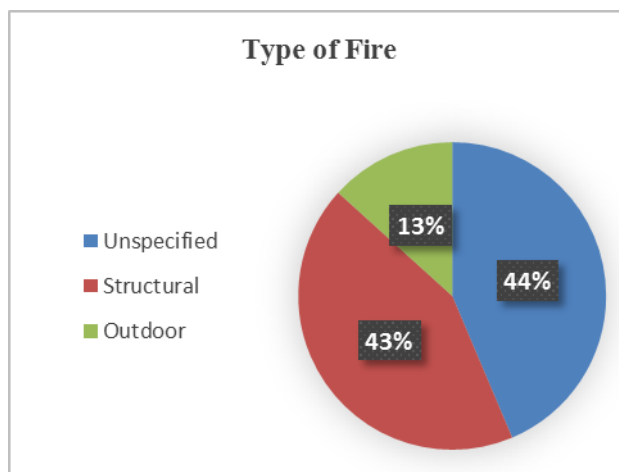
Type of Fire	Number
Structural	47
Unspecified	11

## Hospitalizations



Type of Fire	Number
Structural	78
Unspecified	26
Outdoor	12

## Emergency Department Visits



Type of Fire	Number
Unspecified	654
Structural	646
Outdoor	199

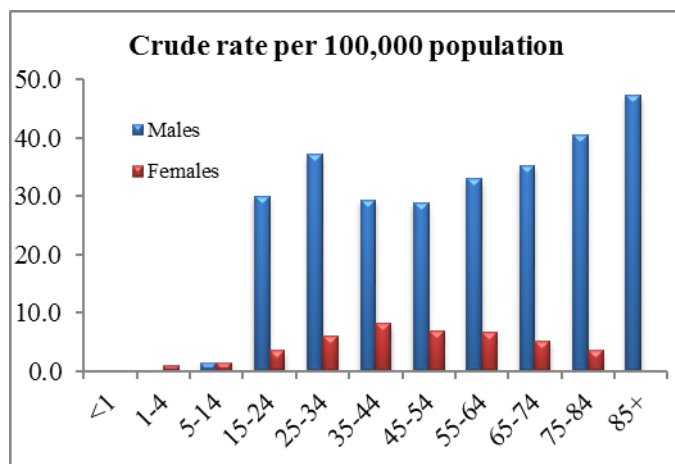
## Firearm-Related Injuries - by Age and Sex

### Fatalities

Total: 686 (15.0\*)

Males: 575 (25.8\*)

Females: 111 (4.9\*)



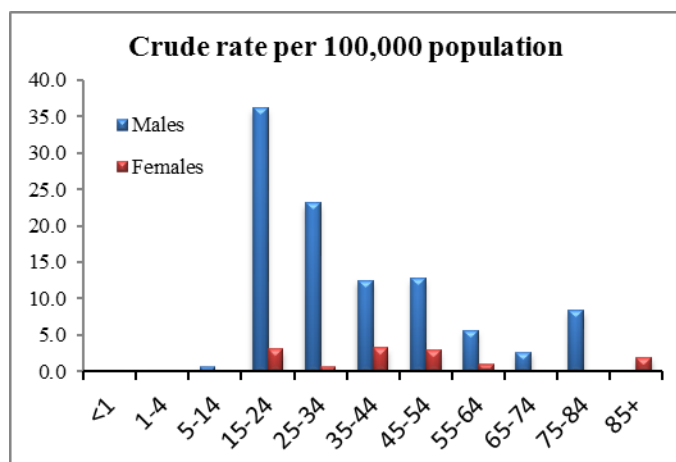
Age	Males	Females
<1	0	0
1-4	0	#
5-14	#	#
15-24	92	10
25-34	106	17
35-44	82	23
45-54	86	21
55-64	93	20
65-74	66	11
75-84	34	#
85+	##	0

### Hospitalizations

Total: 313 (7.3\*)

Males: 280 (13.0\*)

Females: 33 (1.6\*)



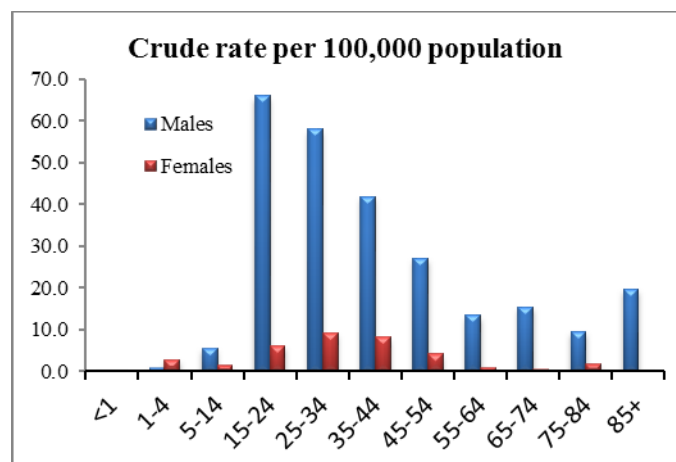
Age	Males	Females
<1	0	0
1-4	0	0
5-14	#	0
15-24	111	9
25-34	66	#
35-44	35	9
45-54	38	9
55-64	16	#
65-74	#	0
75-84	7	0
85+	0	#

### Emergency Department Visits

Total: 757 (17.9\*)

Males: 664 (31.3\*)

Females: 93 (4.6\*)



Age	Males	Females
<1	0	0
1-4	#	#
5-14	16	#
15-24	203	18
25-34	166	26
35-44	117	23
45-54	81	13
55-64	38	#
65-74	29	#
75-84	8	#
85+	#	0

\* Age-adjusted rate per 100,000 population

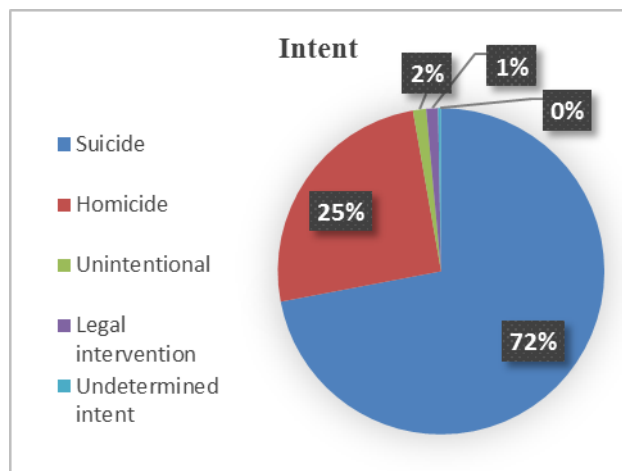
# At least 1 but less than or equal to 5

## Suppressed to prevent indirect disclosure

Note: Tables reflect case counts

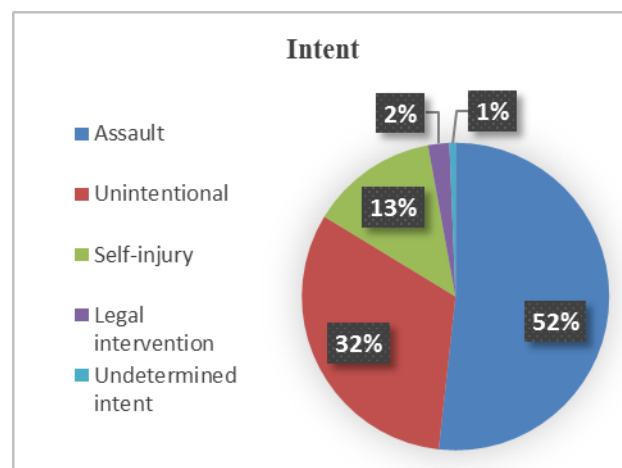
## Firearm-Related Injuries - by Intent

### Fatalities



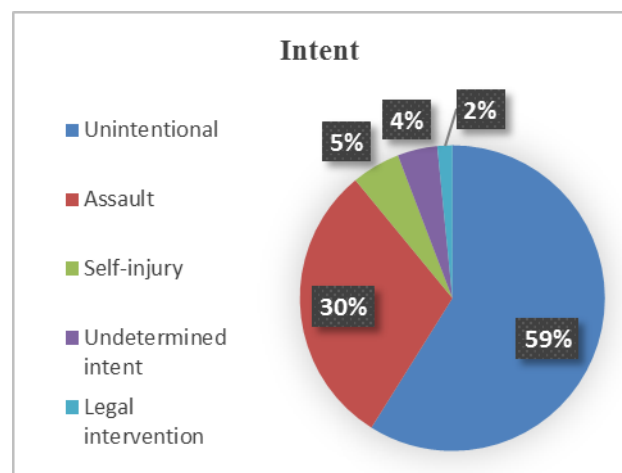
Intent	Number
Suicide	494
Homicide	173
Unintentional	9
Legal intervention	##
Undetermined intent	#

### Hospitalizations



Intent	Number
Assault	162
Unintentional	100
Self-injury	42
Legal intervention	##
Undetermined intent	#

### Emergency Department Visits



Intent	Number
Unintentional	446
Assault	228
Self-injury	39
Undetermined intent	32
Legal intervention	12

# At least 1 but less than or equal to 5

## Suppressed to prevent indirect disclosure

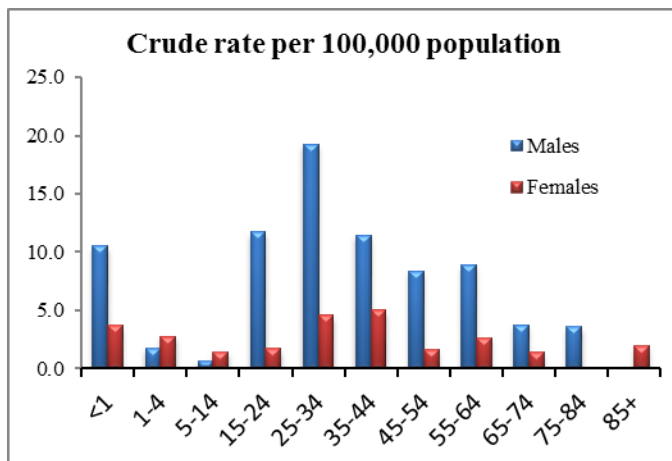
# Homicides and Assaults - by Age and Sex

## Fatalities

Total: 247 (5.7\*)

Males: 190 (8.8\*)

Females: 57 (2.7\*)



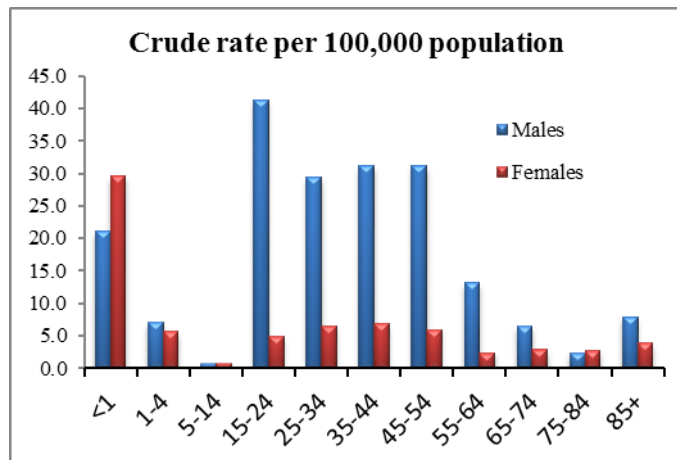
Age	Males	Females
<1	#	#
1-4	#	#
5-14	#	#
15-24	36	#
25-34	55	13
35-44	32	14
45-54	25	#
55-64	25	8
65-74	7	#
75-84	#	0
85+	0	#

## Hospitalizations

Total: 563 (13.2\*)

Males: 460 (21.6\*)

Females: 103 (4.8\*)



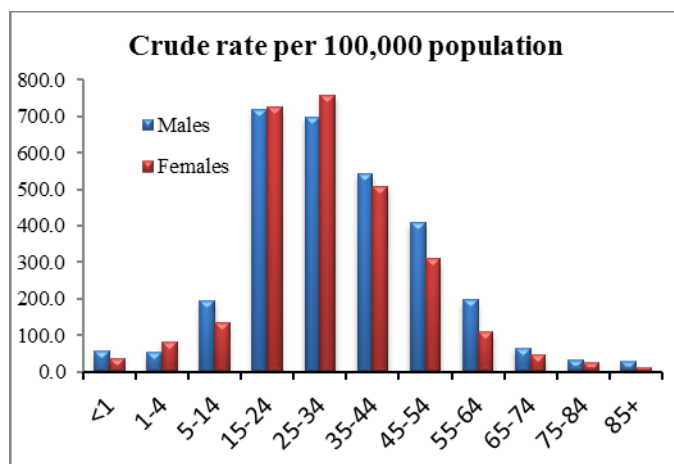
Age	Males	Females
<1	6	8
1-4	8	6
5-14	#	#
15-24	127	14
25-34	84	18
35-44	87	19
45-54	93	18
55-64	37	7
65-74	12	6
75-84	#	#
85+	#	#

## Emergency Department Visits

Total: 15,816 (379.2\*)

Males: 8,283 (393.1\*)

Females: 7,532 (365.8\*)



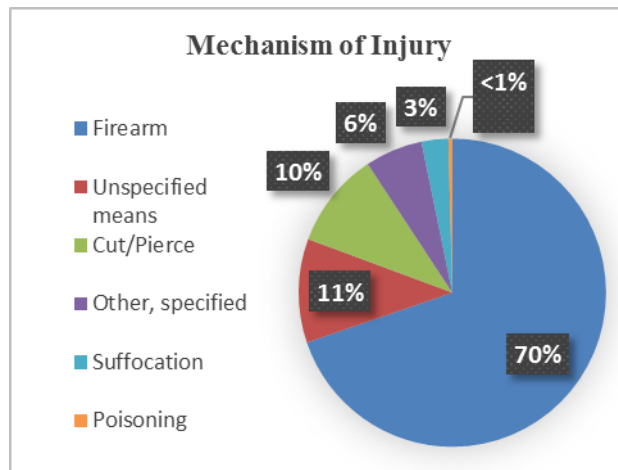
Age	Males	Females
<1	16	10
1-4	61	86
5-14	559	367
15-24	2,211	2,098
25-34	1,996	2,144
35-44	1,520	1,419
45-54	1,213	948
55-64	554	327
65-74	120	100
75-84	26	27
85+	7	6

\* Age-adjusted rate per 100,000 population  
Note: Tables reflect case counts

# At least 1 but less than or equal to 5

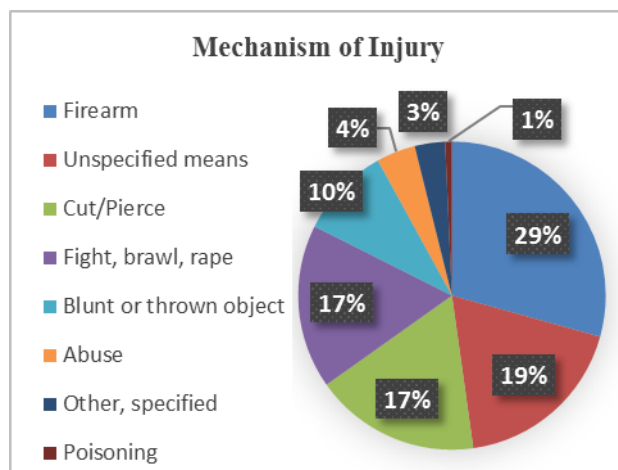
# Homicides and Assaults - by Mechanism of Injury

## Fatalities



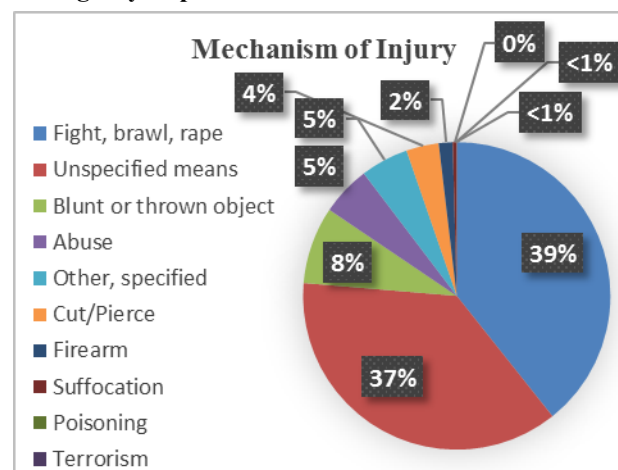
Mechanism of Injury	Number
Firearm	173
Unspecified means	27
Cut/Pierce	25
Other, specified	15
Suffocation	##
Poisoning	#

## Hospitalizations



Mechanism of Injury	Number
Firearm	165
Unspecified means	104
Cut/Pierce	98
Fight, brawl, rape	97
Blunt or thrown object	54
Abuse	23
Other, specified	##
Poisoning	#

## Emergency Department Visits



Mechanism of Injury	Number
Fight, brawl, rape	6,208
Unspecified means	5,852
Blunt or thrown object	1,282
Abuse	823
Other, specified	795
Cut/Pierce	542
Firearm	229
Suffocation	67
Poisoning	##
Terrorism	#

# At least 1 but less than or equal to 5

## Suppressed to prevent indirect disclosure

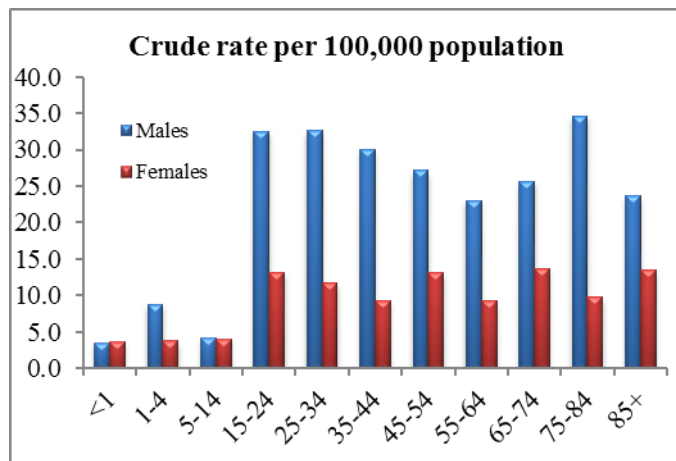
# Motor Vehicle Traffic Crashes - by Age and Sex

## Fatalities

Total: 757 (16.9\*)

Males: 529 (24.2\*)

Females: 228 (9.9\*)



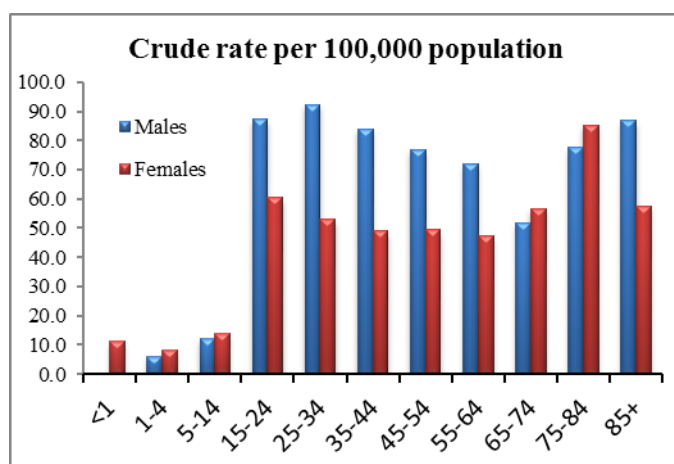
Age	Males	Females
<1	#	#
1-4	10	#
5-14	12	11
15-24	100	38
25-34	93	33
35-44	84	26
45-54	81	40
55-64	65	28
65-74	48	29
75-84	29	11
85+	##	##

## Hospitalizations

Total: 2,478 (55.3\*)

Males: 1,426 (65.3\*)

Females: 1,052 (45.4\*)



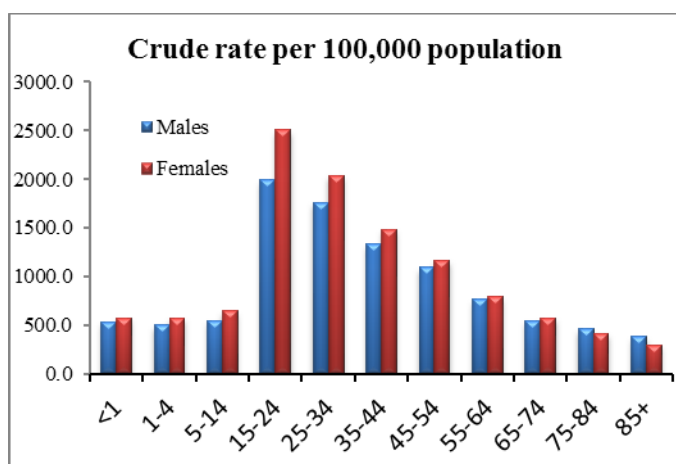
Age	Males	Females
<1	0	#
1-4	7	##
5-14	35	38
15-24	268	175
25-34	264	150
35-44	235	137
45-54	229	151
55-64	204	143
65-74	97	120
75-84	65	96
85+	22	30

## Emergency Department Visits

Total: 51,679 (1,204.8\*)

Males: 24,129 (1,124.7\*)

Females: 27,547 (1,287.9\*)



Age	Males	Females
<1	153	155
1-4	572	617
5-14	1,581	1,774
15-24	6,132	7,253
25-34	5,030	5,776
35-44	3,722	4,154
45-54	3,267	3,579
55-64	2,162	2,392
65-74	1,025	1,222
75-84	387	471
85+	98	154

\* Age-adjusted rate per 100,000 population

# At least 1 but less than or equal to 5

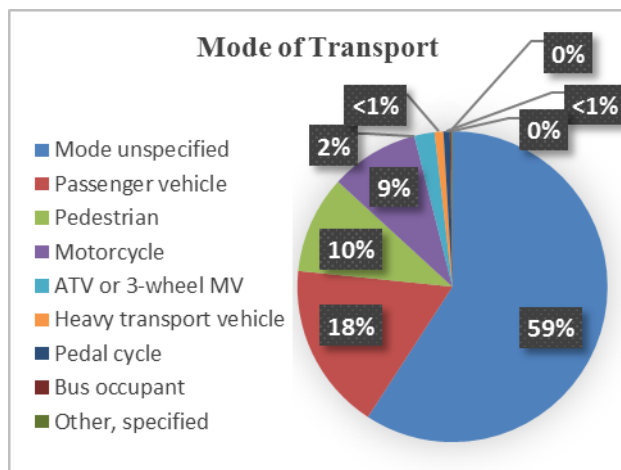
## Suppressed to prevent indirect disclosure

Note: Tables reflect case counts



# Motor Vehicle Traffic Crashes- by Mode of Transport

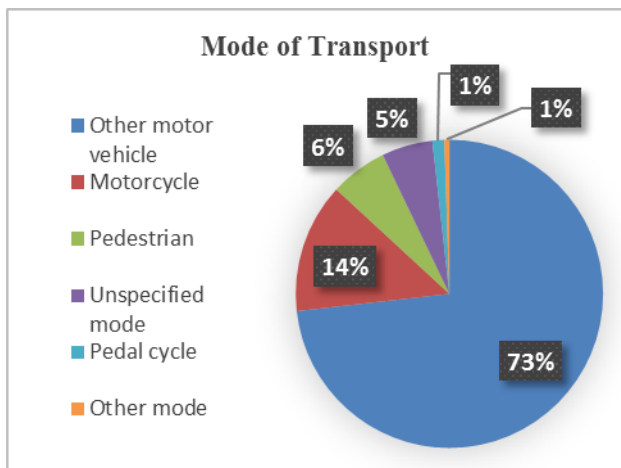
## Fatalities



Mode of Transport	Number
Mode unspecified	448
Passenger vehicle	132
Pedestrian	77
Motorcycle	70
ATV or 3-wheel MV	16
Heavy transport vehicle	7
Pedal cycle	##
Bus occupant	#
Other, specified	#

Notes: "Other, specified" includes persons whose mode of transport was an animal, animal-drawn vehicle, railway train, railway vehicle, streetcar, special vehicle mainly used on industrial premises, or special construction vehicle.

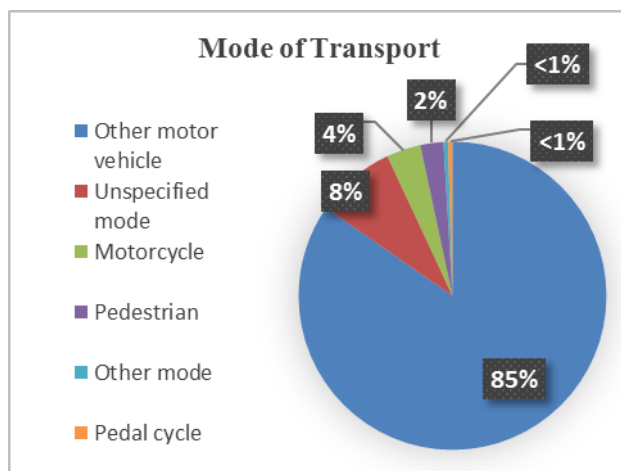
## Hospitalizations



Mode of Transport	Number
Other motor vehicle	1,814
Motorcycle	338
Pedestrian	149
Unspecified mode	133
Pedal cycle	31
Other mode	13

Notes: "Other mode" includes persons whose mode of transport was an animal, animal-drawn vehicle, streetcar or railway train, and possibly certain other types of vehicles. "Other motor vehicle" includes primarily passenger motor vehicles and heavy trucks, but may include certain other types of motor vehicles as well.

## Emergency Department Visits



Mode of Transport	Number
Other motor vehicle	43,757
Unspecified mode	4,328
Motorcycle	1,859
Pedestrian	1,254
Other mode	243
Pedal cycle	238

Notes: "Other mode" includes persons whose mode of transport was an animal, animal-drawn vehicle, streetcar or railway train, and possibly certain other types of vehicles. "Other motor vehicle" includes primarily passenger motor vehicles and heavy trucks, but may include certain other types of motor vehicles as well.

# At least 1 but less than or equal to 5

## Suppressed to prevent indirect disclosure

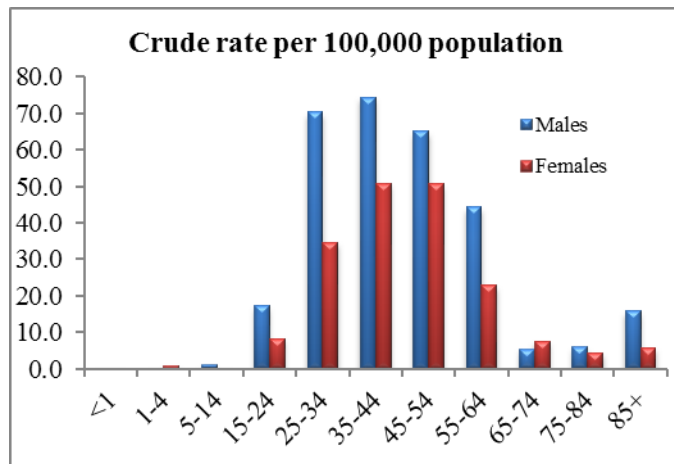
## Poisonings - by Age and Sex

### Fatalities

Total: 1,316 (30.7\*)

Males: 803 (37.7\*)

Females: 513 (23.8\*)



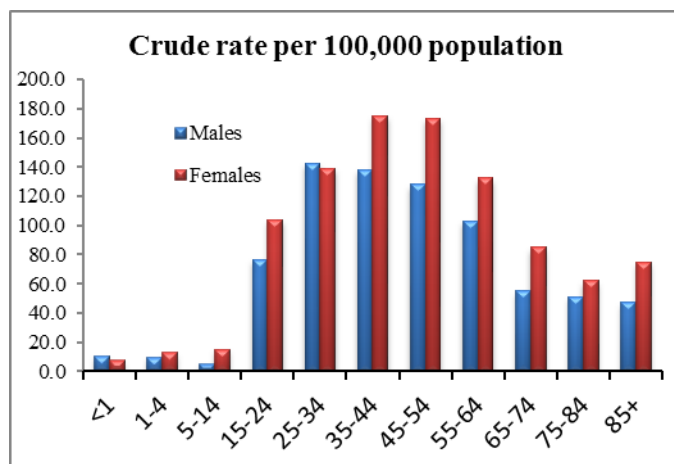
Age	Males	Females
<1	0	0
1-4	0	#
5-14	#	0
15-24	53	24
25-34	201	98
35-44	208	142
45-54	194	155
55-64	125	69
65-74	10	16
75-84	#	#
85+	#	#

### Hospitalizations

Total: 4,352 (98.3\*)

Males: 1,889 (86.8\*)

Females: 2,463 (109.3\*)



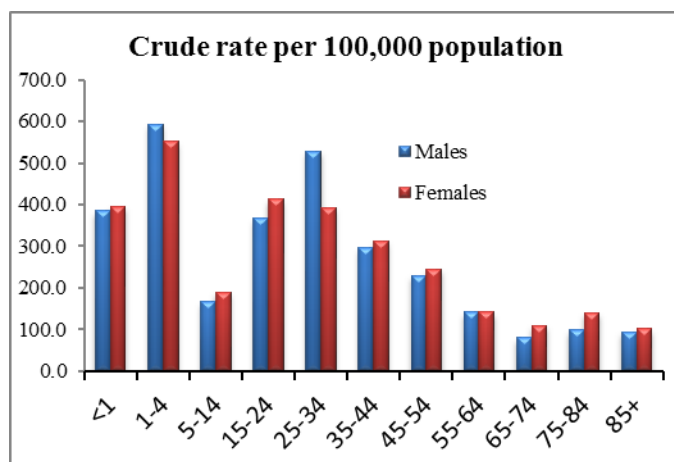
Age	Males	Females
<1	#	#
1-4	##	##
5-14	15	42
15-24	235	301
25-34	407	394
35-44	387	490
45-54	382	530
55-64	291	401
65-74	103	180
75-84	43	70
85+	12	39

### Emergency Department Visits

Total: 12,096 (286.7\*)

Males: 6,073 (287.6\*)

Females: 6,023 (285.4\*)



Age	Males	Females
<1	110	107
1-4	678	593
5-14	478	521
15-24	1,128	1,194
25-34	1,509	1,113
35-44	826	873
45-54	685	748
55-64	400	430
65-74	152	232
75-84	83	159
85+	24	53

\* Age-adjusted rate per 100,000 population

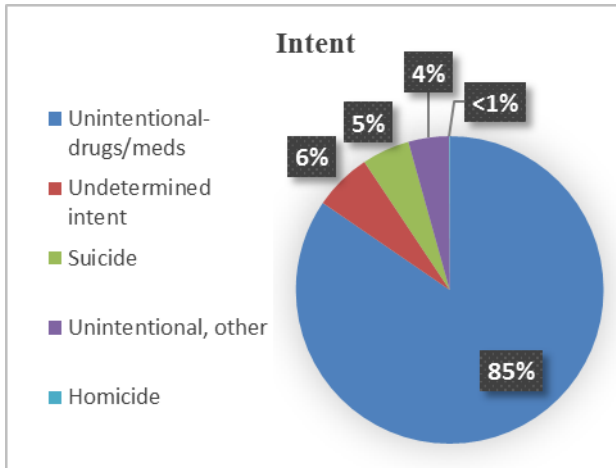
# At least 1 but less than or equal to 5

## Suppressed to prevent indirect disclosure

Note: Tables reflect case counts

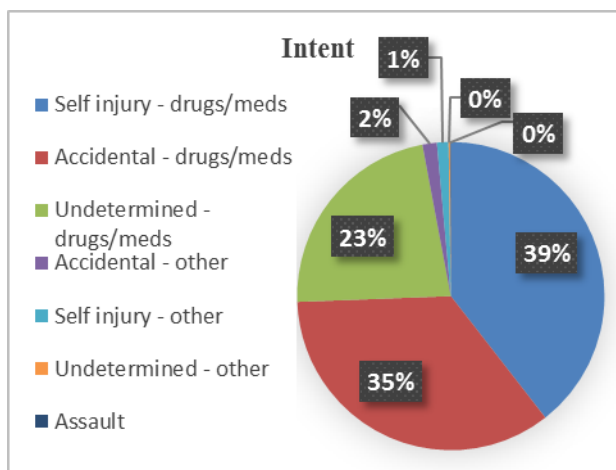
# Poisonings- by Intent

## Fatalities



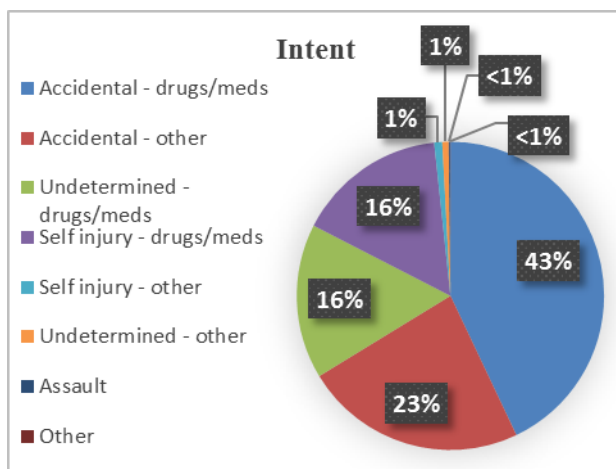
Intent	Number
Unintentional- drugs/meds	1,113
Undetermined intent	80
Suicide	66
Unintentional, other	##
Homicide	#

## Hospitalizations



Intent	Number
Self injury - drugs/meds	1,717
Accidental - drugs/meds	1,521
Undetermined - drugs/meds	985
Accidental - other	66
Self injury - other	53
Undetermined - other	##
Assault	#

## Emergency Department Visits



Intent	Number
Accidental - drugs/meds	5,193
Accidental - other	2,825
Undetermined - drugs/meds	1,964
Self injury - drugs/meds	1,909
Self injury - other	102
Undetermined - other	81
Assault	17
Other	5

# At least 1 but less than or equal to 5

## Suppressed to prevent indirect disclosure

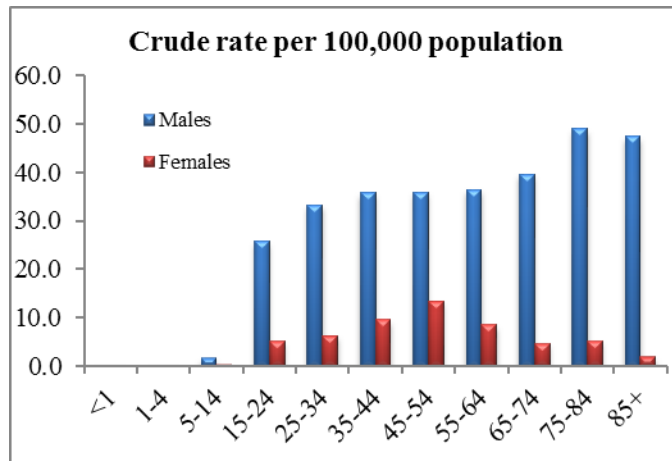
## Suicides and Self-Injuries - by Age and Sex

### Fatalities

Total: 761 (16.7\*)

Males: 616 (27.7\*)

Females: 145 (6.3\*)



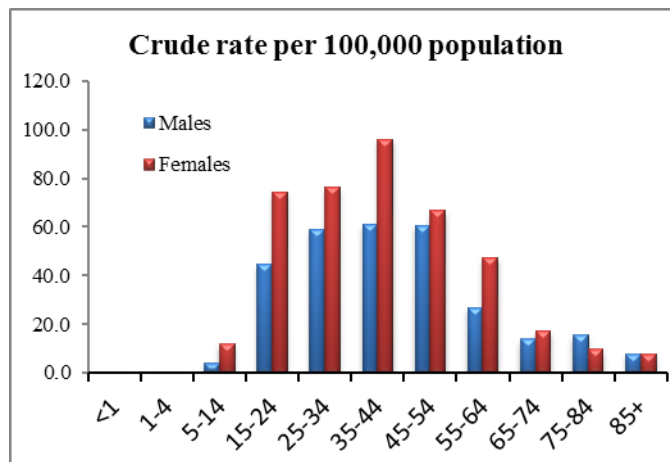
Age	Males	Females
<1	0	0
1-4	0	0
5-14	#	#
15-24	79	15
25-34	95	18
35-44	100	27
45-54	107	41
55-64	103	26
65-74	74	10
75-84	41	##
85+	##	#

### Hospitalizations

Total: 1,919 (44.9\*)

Males: 787 (37.0\*)

Females: 1,132 (52.8\*)



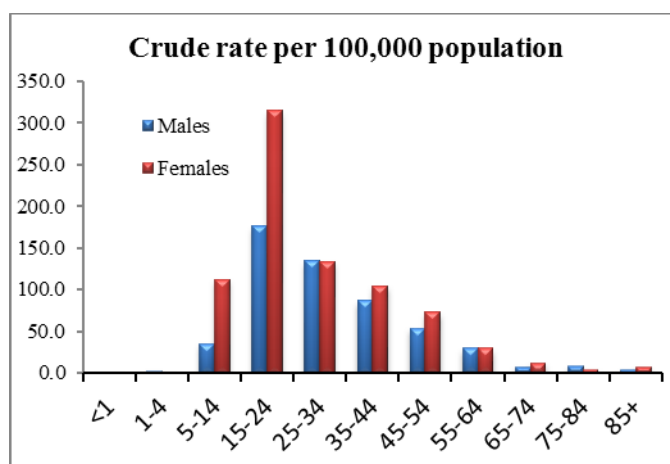
Age	Males	Females
<1	0	0
1-4	0	0
5-14	##	33
15-24	137	215
25-34	169	216
35-44	171	268
45-54	181	204
55-64	76	144
65-74	26	37
75-84	13	##
85+	#	#

### Emergency Department Visits

Total: 3,770 (90.2\*)

Males: 1,534 (72.6\*)

Females: 2,236 (108.6\*)



Age	Males	Females
<1	0	0
1-4	#	#
5-14	100	307
15-24	540	910
25-34	384	378
35-44	242	291
45-54	159	223
55-64	84	91
65-74	14	26
75-84	7	#
85+	#	#

\* Age-adjusted rate per 100,000 population

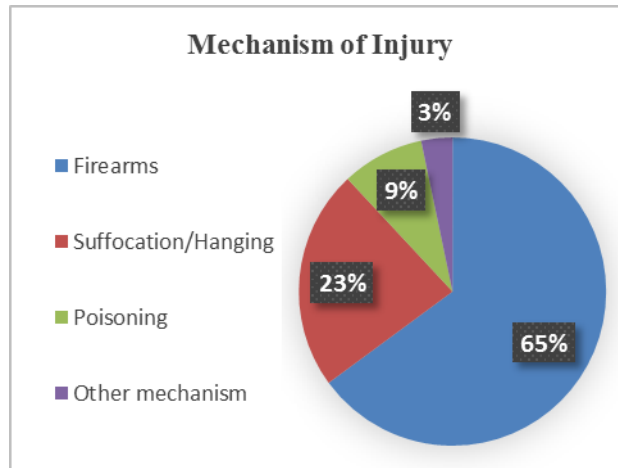
# At least 1 but less than or equal to 5

## Suppressed to prevent indirect disclosure

Note: Tables reflect case counts

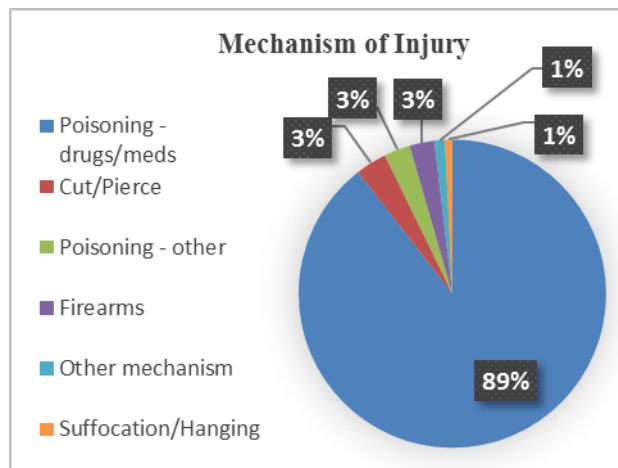
# Suicide and Self-Injuries- by Mechanism of Injury

## Fatalities



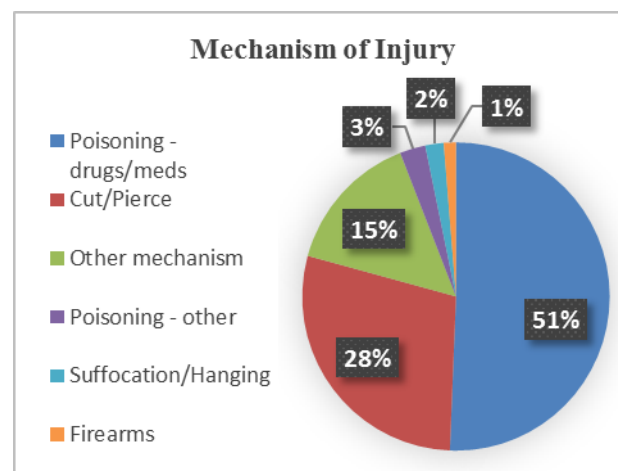
Mechanism of Injury	Number
Firearms	494
Suffocation/Hanging	176
Poisoning	66
Other mechanism	25

## Hospitalizations



Mechanism of Injury	Number
Poisoning - drugs/meds	1,717
Cut/Pierce	63
Poisoning - other	53
Firearms	50
Other mechanism	21
Suffocation/Hanging	15

## Emergency Department Visits



Mechanism of Injury	Number
Poisoning - drugs/meds	1,909
Cut/Pierce	1,079
Other mechanism	559
Poisoning - other	102
Suffocation/Hanging	73
Firearms	48