



Stark County Childhood Injury Report

**An analysis of Emergency Department & Immediate Care
Facility visits for Stark County children age 17 and under**

12th Annual Report
January 1, 2014 - December 31, 2014

Report Prepared By:

Safe Kids Stark County
Data & Research Committee
Stark County Health Department
Administration & Support Services



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COMMITTEE & REPORT INFORMATION

Safe Kids Data & Research Committee

Sharon Andreani, RN, BSN
Alliance City Health Department

Beth Canfield-Simbro, Ph.D., MPH, CHES
University of Mount Union

Tasha Catron, BA
Stark County Health Department / Safe Kids
Stark County Coordinator

Amanda Kelly, BA, CHES
Stark County Health Department

Emily Edwards, RN
Alliance City Health Department

Sheree Nuske, RN, BSN, CEN
Aultman Hospital

Julia Wagner, MPH
Stark County Health Department

Leslie M. Shaffer, MPH, CPST
Akron Children's Hospital
University of Mount Union

This report includes E-Codes (cause of injury) and ICD-9 (extent of injury) data collected from Affinity Medical Center, Akron Children's Hospital, Alliance Community Hospital, Aultman Hospital and Mercy Medical Center from January 1, 2014 through December 31, 2014. E-Codes are intended to provide data for injury research and evaluation for injury prevention strategies. E-Codes capture how the injury or poisoning happened (cause), the intent (unintentional or accidental, or intentional, such as suicide or assault). ICD9 Codes provide the extent of the injury—to assist in determining the severity.

The hospitals were asked to provide their E-Code and ICD-9 Code data for children ages 17 and under during the time frame. Date of treatment, patient's age, race/ethnicity, gender, zip code where the child lives, descriptions of the E-Code and ICD9 Code, emergency department disposition and facility (main campus or immediate/stat care) were reported for combined analysis.

If you have questions regarding the data collection or analysis process, if you would like to learn more about the Safe Kids Coalition or if you have comments or suggestions, please contact 330-493-9904 ext. 284. Copies of all childhood injury reports are available at www.starkhealth.org/safekids.

PLEASE NOTE:

- Beginning in 2011, reports include revised injury headings, severity of injury and data from Akron Children's Hospital, as well as updated census data
- Prior to 2010 reports did not include Immediate Care Facilities
- Prior to 2009 reports included only children under age 14



VALUE TO THE COMMUNITY

Safe Kids Stark County, founded in 1992 by the Stark County Health Department, focuses on unintentional injury prevention for children 14 and under. This report includes children up to age 17, as well as some intentional injuries, to assist our partners with their injury prevention programming.

In 2005, the Stark County Health Department was awarded a grant from the Ohio Department of Health to begin a comprehensive surveillance of childhood injuries in Stark County. At that time, a Data & Research Committee was formed as a part of the Safe Kids Coalition to assist with the project. Additional funding was received in 2010 and 2014 to continue and expand the surveillance project.

The reports include: 2002 Pilot, 2003-2012 County Reports, 2007 Trend Report (3 years), 2007, 2009, 2011, 2012, 2013 and 2014 Sub Reports for the 44601 Zip Code, 2009 Sub Report for the Minerva area.

These reports are distributed to community leaders and agencies for heightened awareness. Recommendations are made to the Safe Kids Stark County Executive Board and the community to enhance and expand injury prevention programming.

For this report, injury data was collected from January 1, 2014 through December 31, 2014. During that time 11,179 Stark County children, ages 17 and under, were treated for an injury in a Stark County Emergency Department (ED), Stark County Immediate Care Facility (IC), or Akron Children's Hospital.

CHILDHOOD INJURY TRENDS

According to Safe Kids USA unintentional childhood injury is the leading killer of children between the ages of 1 and 14. The US has witnessed an overall reduction in unintentional injury-related mortality in the past twenty years.

According to Safe Kids USA, injuries are the second leading cause of hospitalization and the leading cause of emergency department visits among children fourteen and under.

Since 1988, Safe Kids Worldwide (formerly the National Safe Kids Campaign), with its network of more than 400 coalitions in the U.S. and partners in over 30 countries, has helped reduce the U.S. childhood death rate from unintentional injury by 60 percent.

In Stark County, injuries continue to be an issue— with approximately over 11,000 children being treated each year. Previous reports (available at www.starkhealth.org/safekids) highlight the issue locally.



E-CODE HEADINGS (CAUSE OF INJURY)

There are over 1,200 potential E-Codes used in hospital emergency departments. For the purpose of this report, the committee assigned each E-Code to a particular heading. The headings are listed below. The top 10 causes of injury were further analyzed on the following pages. Some headings will have multiple sub-headings. E-Codes with no statistical significance were not analyzed, but they are listed on page 32.

- Animal Related
- Attempted Suicide
- Burns & Fire Related
- Choking / Suffocation
- Cut by Sharp Object
- Falls
- Fire Arms
- Foreign Body (Not Choking)
- Generic Accident
- Overexertion & Strenuous Movements
- Physical Harm
- Poisoning
- Struck by / Striking Object
- Sports & Recreation
- Vehicle Related
- Water Related
- Weather Related
- Wheeled Sports



ICD-9 CODE HEADINGS (SEVERITY OF INJURY)

There are countless ICD9 Codes used in hospital emergency departments. For the purpose of this report, the committee assigned each ICD9 Code to a particular heading. The headings are listed below.

- Amputation
- Brain Bleed/Skull Fracture
- Burn
- Concussion/Closed Head Injury
- Crushing Injury
- Dislocation
- Foreign Body
- Fracture
- Injury/Pain
- Internal Injury
- Minor External Body Region/Injury (Abrasion, Contusion, Open Wound)
- Other/Unknown
- Poisoning/Allergic Reaction
- Sprain/Strain

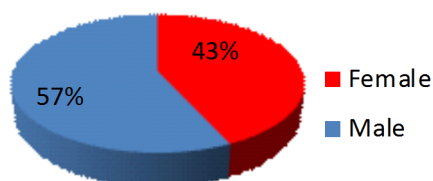


TOTAL VISITS

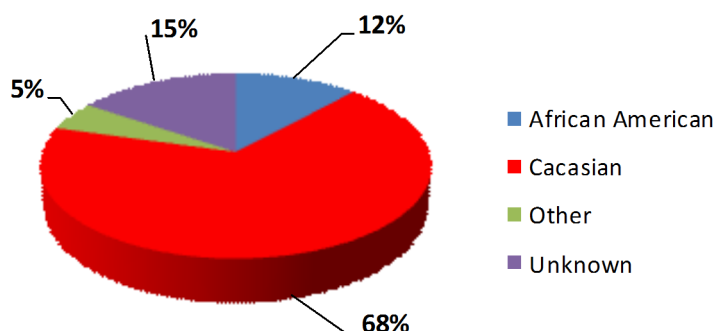
Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
1,960 (18%)	9,212 (82%)	11,172

- ⇒ Overall, more facility visits occurred at the ED rather than the IC.
- ⇒ In general, the distribution between gender and race among facility visits is congruent with that of the overall population in Stark County.

Visits By Gender

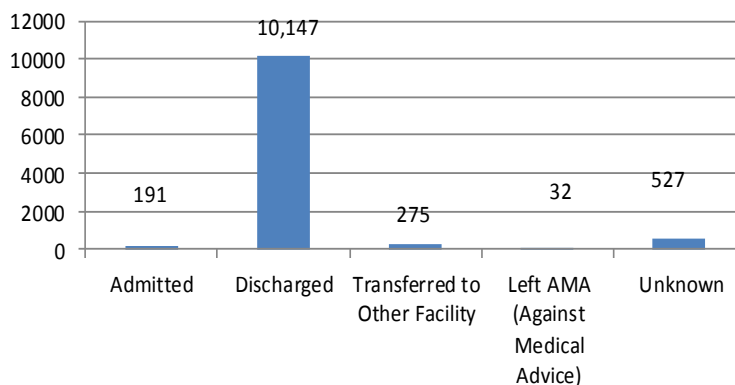


Visits By Race

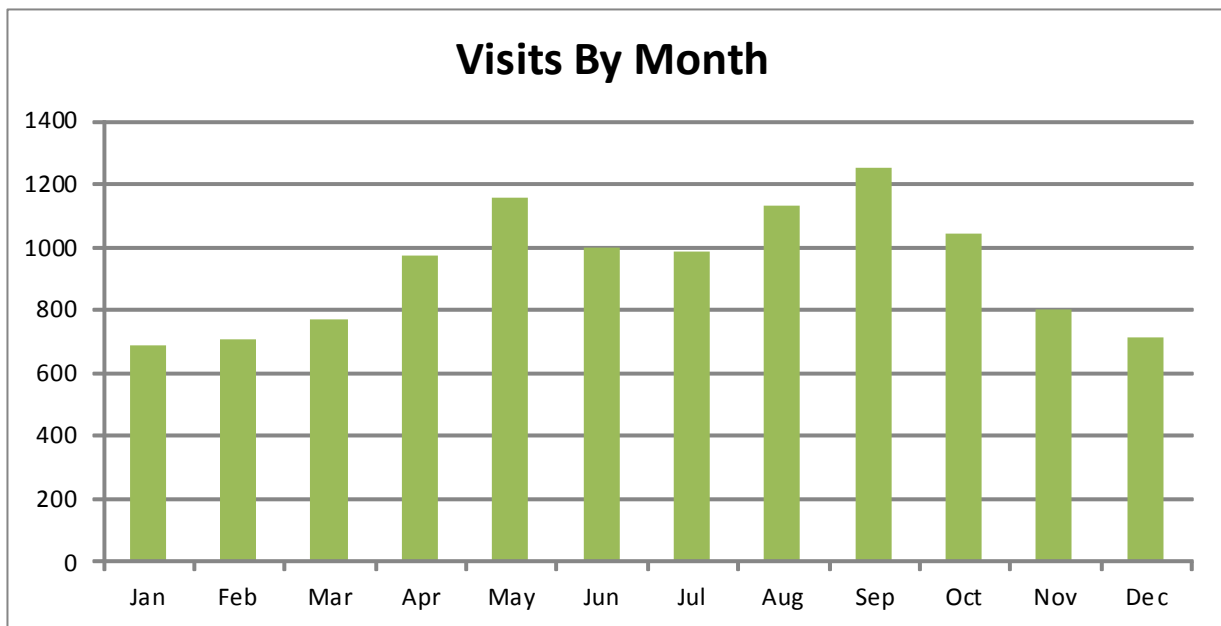


- ⇒ The majority of facility visits are discharged. This is true for both the visits to the ED as well as the IC.
- ⇒ Additionally, 2% overall are admitted and an additional 2% overall were transferred to another facility.

Visits By Disposition



VISITS BY MONTH

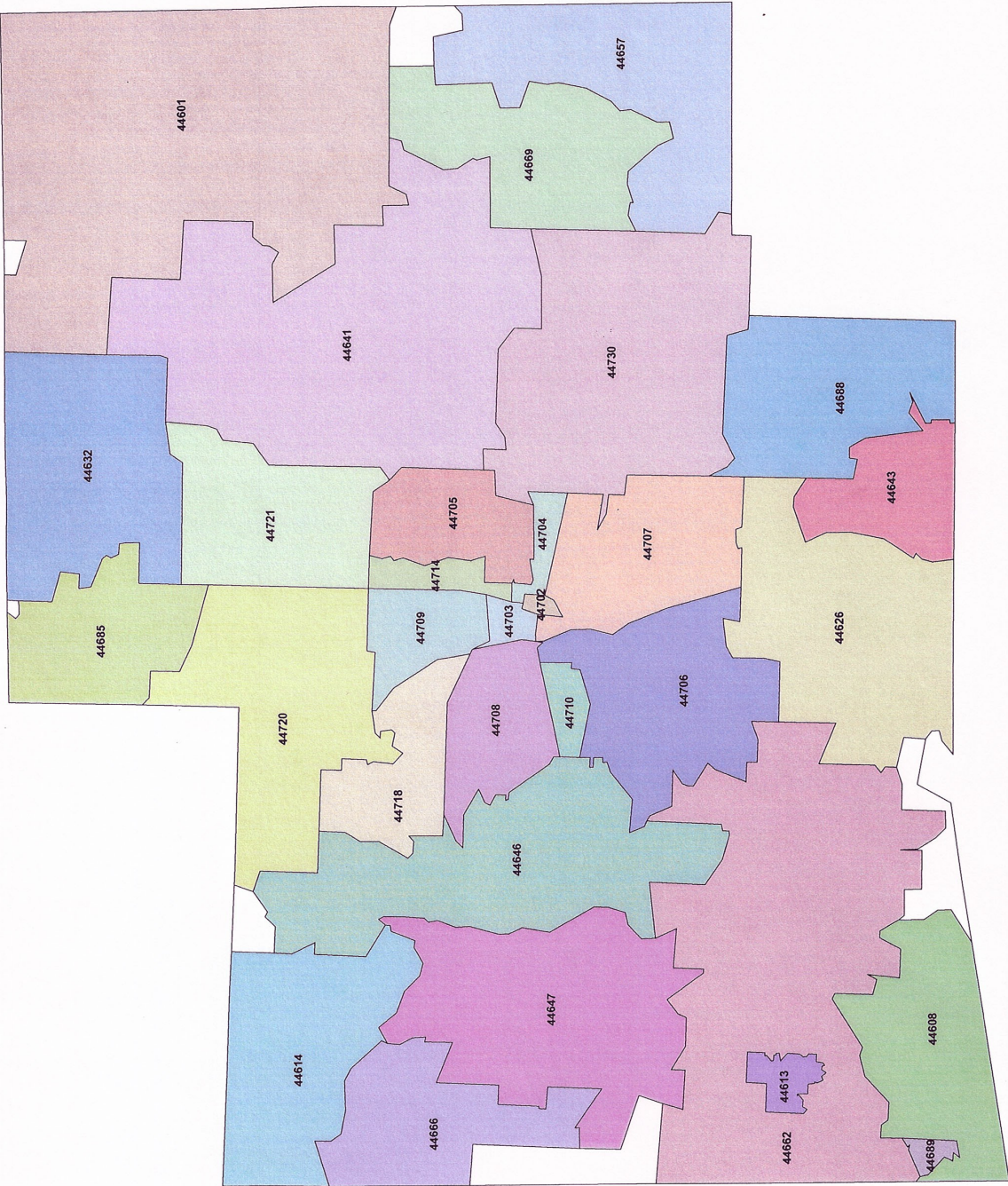


Top 3 Months

As seen in the figure below, the months with the most total visits were September, May and August. Additionally, the months with the least total visits were December, January and February. Overall less visits for childhood injuries take place during the winter months.



STARK COUNTY MAP



ZIP CODE DESCRIPTION

For each child treated, the zip code reported is where the child lives, not necessarily where the injury occurred. For the purposes of this report, the following areas are identified to each zip.

44601	Alliance City, Lexington Twp., Marlboro Twp., Washington Twp.
44608	Beach City, Brewster, Sugarcreek Twp., Wilmot
44613	Brewster, Sugarcreek Twp., Wilmot
44614	Canal Fulton, Jackson Twp., Lawrence Twp.
44626	East Sparta, Pike Twp.
44630	PO Boxes, Greentown, Lake Twp.
44632	Hartville, Lake Twp.
44641	Louisville City, Hartville, Nimishillen Twp., Osnaburg Twp., Plain Twp.
44643	East Sparta, Magnolia, Sandy Twp.
44646	Jackson Twp., Lawrence Twp., Massillon City, Perry Twp., Tuscarawas Twp.
44647	Lawrence Twp., Massillon City, Tuscarawas Twp.
44648	PO Boxes, Massillon City, Perry Twp.
44650	PO Boxes, Maximo, Washington Twp.
44652	PO Boxes, Middlebranch, Plain Twp.
44657	Minerva, Paris Twp.
44662	Bethlehem Twp., Brewster, Navarre, Perry Twp., Sugarcreek Twp., Tuscarawas Twp., Wilmot
44666	Lawrence Twp., North Lawrence, Tuscarawas Twp.
44669	Minerva, Paris, Washington Twp.
44670	Minerva, Paris Twp., Robertsville
44685	Lake Twp., Uniontown
44688	Sandy Twp., Waynesburg
44689	Sugarcreek Twp., Wilmot
44701	PO Boxes, Canton City
44702	Canton City
44703	Canton City
44704	Canton City, Canton Twp.
44705	Canton City, Plain Twp.
44706	Canton City, Canton Twp., East Sparta, Perry Twp.
44707	Canton City, Canton Twp., North Industry, Waco
44708	Canton City, Canton Twp., Hills & Dales Village, Jackson Twp., Perry Twp., Plain Twp.
44709	Canton City, North Canton, Plain Twp.
44710	Canton City, Canton Twp., Perry Twp.
44714	Canton City, Plain Twp.
44718	Canton City, Jackson Twp., Plain Twp.
44720	Greentown, Hartville, Jackson Twp., Lake Twp., North Canton, Plain Twp.
44721	Hartville, North Canton, Plain Twp.
44730	Canton Twp., East Canton, Osnaburg Twp.
44735	PO Boxes, Canton City



VISITS BY RESIDENT ZIP CODE

TOTAL NUMBER OF INJURIES IN STARK COUNTY		COUNTY INJURY RATE PER 1,000 POPULATION	
11,172		252.9	
ZIP CODE	INJURY RATE PER 1,000 POPULATION	ZIP CODE	INJURY RATE PER 1,000 POPULATION
44601	158.2	44685	50.9
44608	80.2	44688	149.1
44613	182.5	44689	69.0
44614	86.4	44701	NA
44626	136.1	44702	487.5
44630	NA	44703	151.2
44632	67.4	44704	159.3
44641	94.3	44705	158.6
44643	122.4	44706	150.0
44646	139.4	44707	191.1
44647	166.6	44708	140.3
44648	NA	44709	111.9
44650	NA	44710	185.3
44652	133.3	44714	135.4
44657	61.8	44718	75.3
44662	102.0	44720	77.6
44666	125.5	44721	100.7
44669	90.9	44730	134.9
44670	65.6	44735	NA

SOURCE: 2010 CENSUS—includes only those residing in Stark County

*NA: These zip codes represent PO Box mailing addresses. No population data is available for these.



VISITS BY RESIDENT ZIP CODE

Resident Zip Code	IC Percentage of Visits	ED Percentage of Visits
44601	1.5%	98.5%
44608	33.3%	66.7%
44613	18.2%	81.8%
44614	13.3%	86.7%
44626	22.5%	77.5%
44630	33.3%	66.7%
44632	13.0%	87.0%
44641	17.3%	82.7%
44643	20.2%	79.8%
44646	27.0%	73.0%
44647	23.0%	77.0%
44648	0%	0%
44650	0%	100%
44652	0%	100%
44657	0%	100%
44662	23.4%	77.6%
44666	25.0%	75.0%
44669	0%	100%
44670	0%	100%
44685	10.5%	89.5%
44688	20.9%	79.1%
44689	35.7%	64.3%
44701	0%	100%
44702	0%	100%
44703	8.9%	91.1%
44704	6.1%	93.9%
44705	10.1%	89.9%
44706	15.0%	85.0%
44707	10.9%	89.1%
44708	17.6%	82.4%
44709	24.1%	75.9%
44710	13.8%	86.2%
44714	18.9%	81.0%
44718	35.0%	65.0%
44720	34.4%	65.6%
44721	36.2%	63.8%
44730	16.6%	83.4%
44735	0%	100%



VISITS BY RESIDENT ZIP CODE

Visits By Rate (Top 10)

44702	Canton City
44707	Canton City, Canton Twp., North Industry, Waco
44710	Canton City, Canton Twp., Perry Twp.
44613	Brewster, Sugarcreek Twp., Wilmot
44647	Lawrence Twp., Massillon City, Tuscarawas Twp.
44704	Canton City, Canton Twp.
44705	Canton City, Plain Twp.
44601	Alliance City, Lexington Twp., Marlboro Twp., Washington Twp.
44703	Canton City
44706	Canton City, Canton Twp., East Sparta, Perry Twp.

Visits By Raw Number (Top 10)

44646	Jackson Twp., Lawrence Twp., Massillon City, Perry Twp. Tuscarawas Twp.
44601	Alliance City, Lexington Twp., Marlboro Twp., Washington Twp.
44705	Canton City, Plain Twp.
44720	Greentown, Hartville, Jackson Twp., Lake Twp., North Canton, Plain Twp.
44721	Hartville, North Canton, Plain Twp.
44706	Canton City, Plain Twp., East Sparta, Perry, Twp.
44647	Lawrence Twp., Massillon City, Tuscarawas Twp.
44707	Canton City, Canton Twp., North Industry, Waco
44641	Louisville City, Hartville, Nimishillen Twp., Osnaburg Twp., Plain Twp.
44710	Canton City, Canton Twp., Perry Twp.



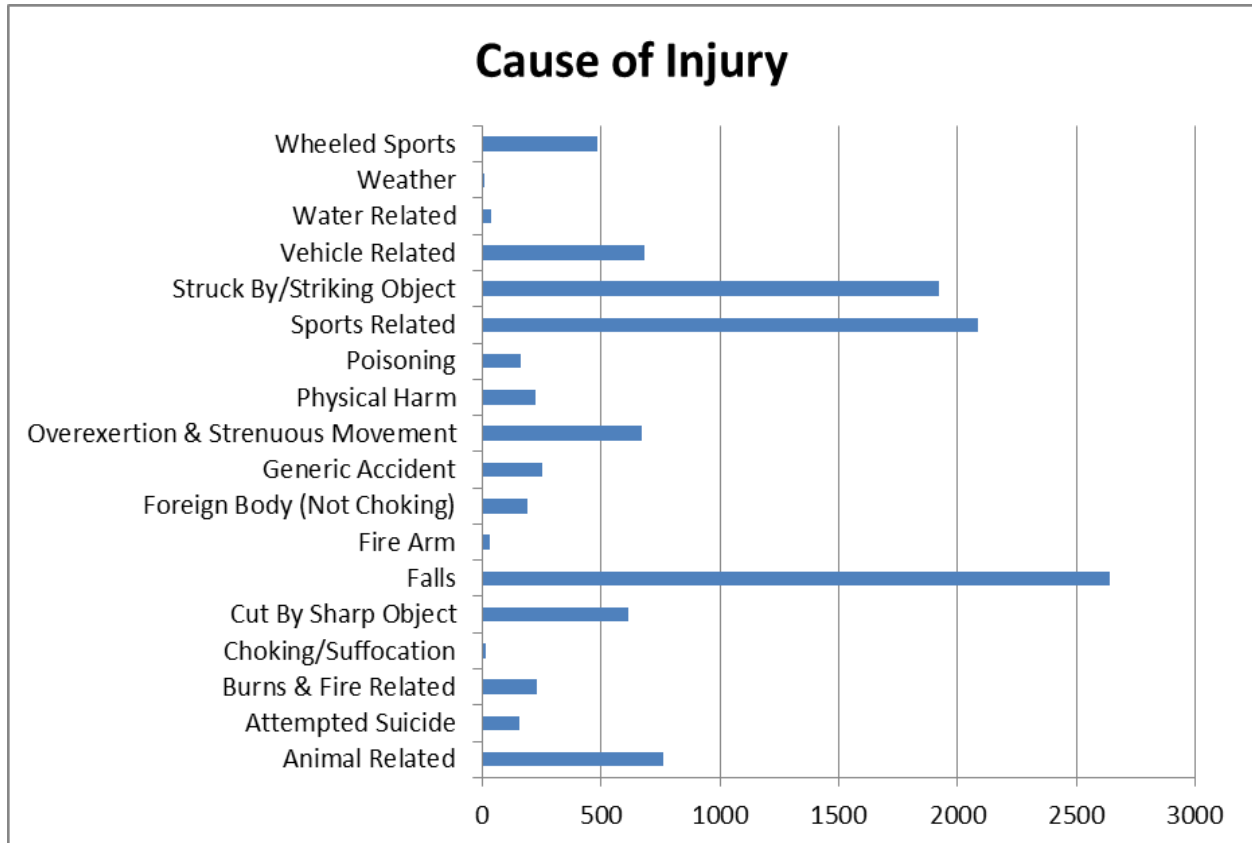
TOTAL VISITS BY AGE

AGE	# OF INJURIES	% OF TOTAL INJURIES	RATE OF INJURY PER 1,000 POPULATION
LESS THAN 1	272	2.4%	66.4
1	637	5.7%	149.7
2	678	6.1%	151.9
3	628	5.6%	140.1
4	558	5.0%	123.2
5	507	4.5%	113.1
6	481	4.3%	105.3
7	493	4.4%	107.5
8	525	4.7%	113.4
9	536	4.8%	105.1
10	618	5.5%	125.5
11	688	6.1%	141.0
12	660	5.9%	130.7
13	758	6.8%	152.2
14	833	7.5%	162.5
15	770	6.9%	148.3
16	812	7.3%	155.0
17	723	6.5%	133.0
TOTAL	11,172	100%	129.9



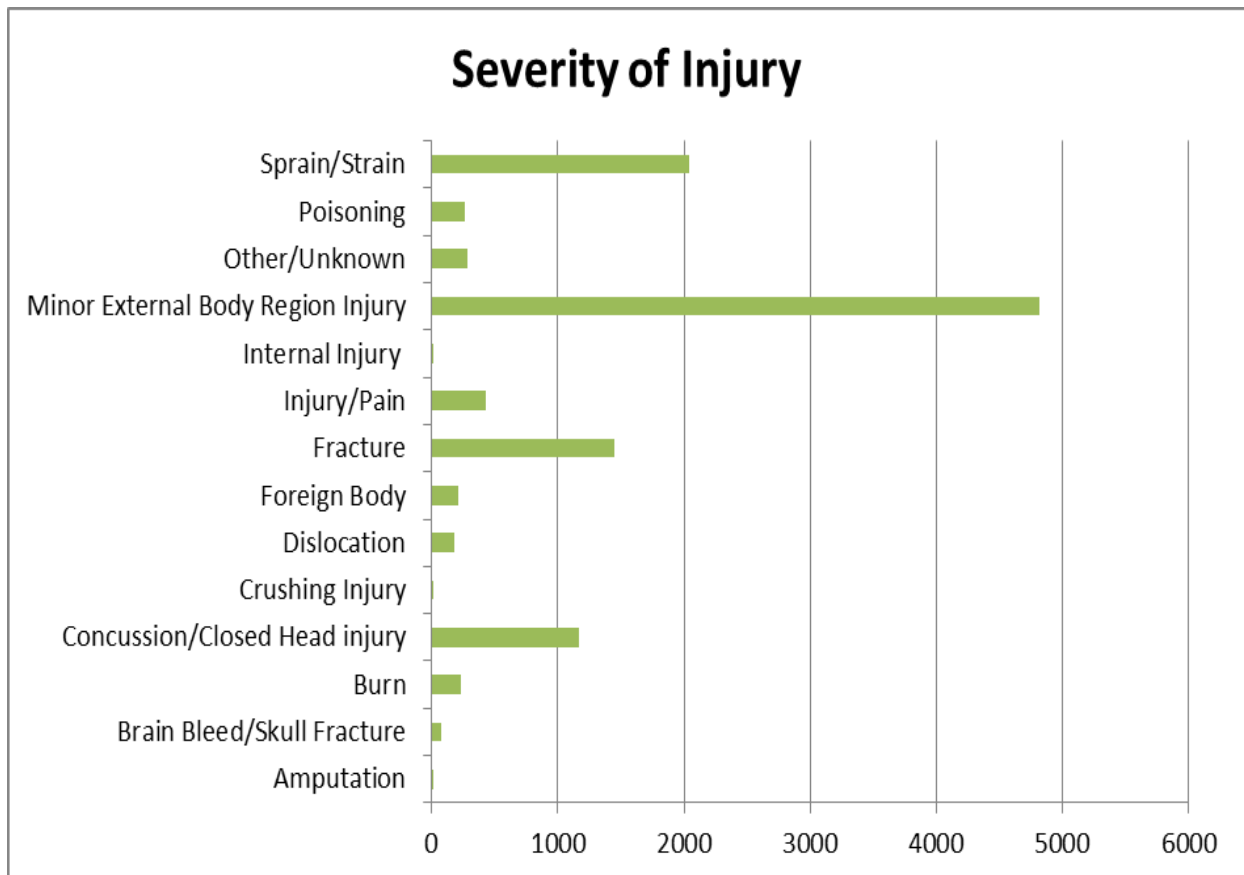
CAUSE OF INJURY

For childhood injuries seen at either the ED or IC, the majority were treated for a fall related injury, followed by a sports and recreation injury. There were similarities in those treated in the ED and the IC.



SEVERITY OF INJURY

As seen in the graph below, the majority of injuries resulted in Minor External Body Region Injuries. Additionally, the least total of Severity of Injuries were Amputation, Crushing Injuries and Internal Injuries.



SEVERITY OF INJURY

Severity of Injury	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)
Amputation	0%	Less than 1%
Brain Bleed/Skull Fracture	0%	Less than 1%
Burn	1.0%	2.3%
Concussion/Closed Head Injury	2.7%	12.1%
Crushing Injury	Less than 1%	Less than 1%
Dislocation	1.5%	1.6%
Foreign Body	Less than 1%	2.2%
Fracture	12.8%	13.0%
Injury/Pain	3.8%	3.8%
Internal Injury	0%	Less than 1%
Minor External Body Region/Injury	43.3%	43.1%
Other/Unknown	Less than 1%	3.0%
Poisoning/Allergic Reaction	1.4%	2.5%
Sprain/Strain	32.5%	15.3%

- ⇒ Overall, for both ED and IC the most common severity of injury was Minor External Body Region/Injury
- ⇒ Proportionally, ICS were more likely to receive patients with Sprains and Strains than EDs were
- ⇒ The EDs were re likely to receive patients due to Concussion/Closed Head Injuries than ICs were

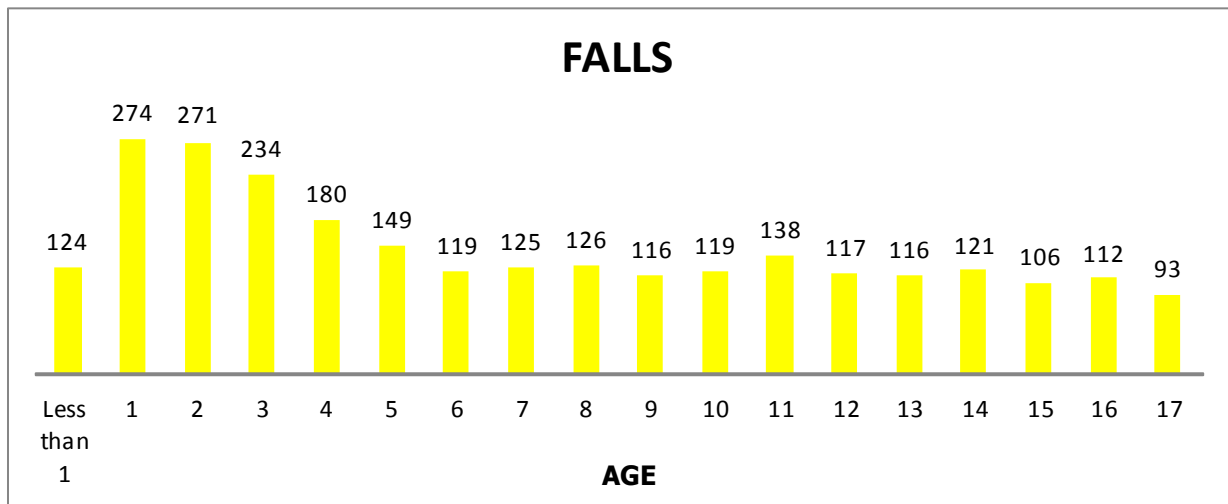


1 - FALLS

Falls were the leading cause of injury. There were 2,640 children treated for this injury, accounting for 23.6% of the visits.

Facts:

- 85.7% were treated at the Hospital ED
- 10.3% occurred in May
- 54.4% patients treated were male
- 94.7% were discharged from the ED/IC
- 41.4% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)



21.7%

• Same Level Fall

21.0%

• General Unspecified

16.6%

• From Steps or Stairs

15.9%

• Onto/Into Object

13.8%

• Fall from Furrniture

11.0%

• From Other Level

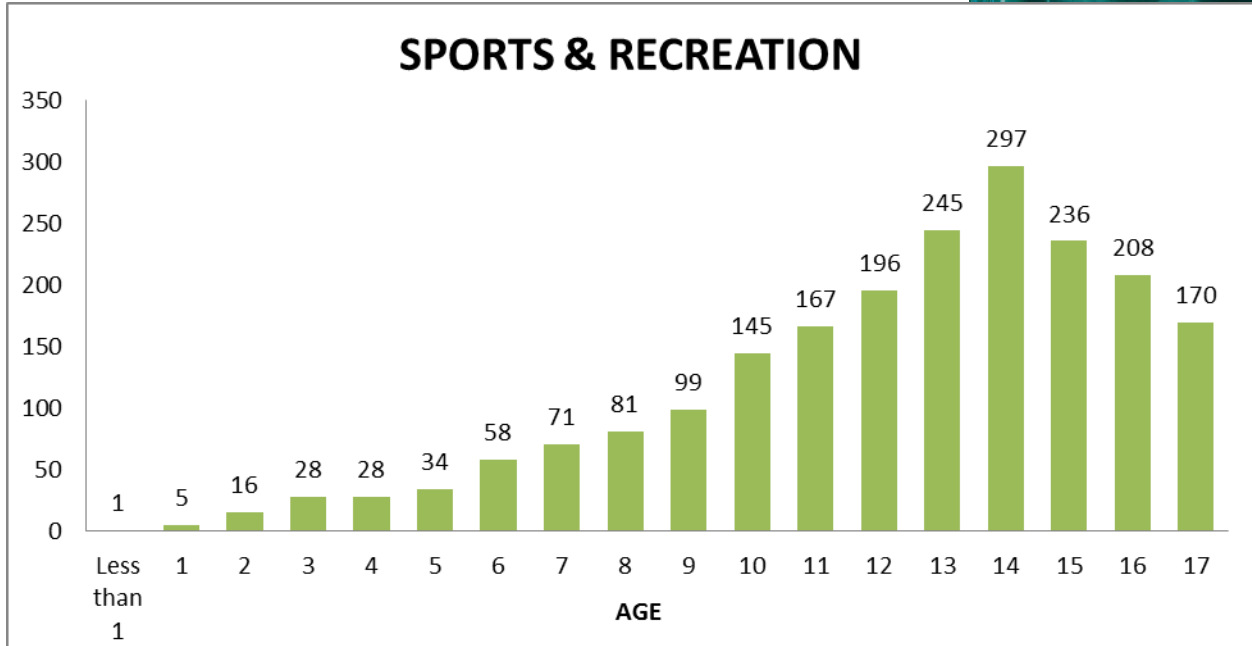


2 - SPORTS & RECREATION

Sports & Recreation was the second leading cause of injury. There were 2,085 children treated for this injury, accounting for 18.7% of the visits.

Facts:

- 73.4% were treated at the Hospital ED
- 17.3% occurred in September
- 68.7% patients treated were male
- 97.7% were discharged from the ED/IC
- 34.5% resulted in a Sprain/Strain

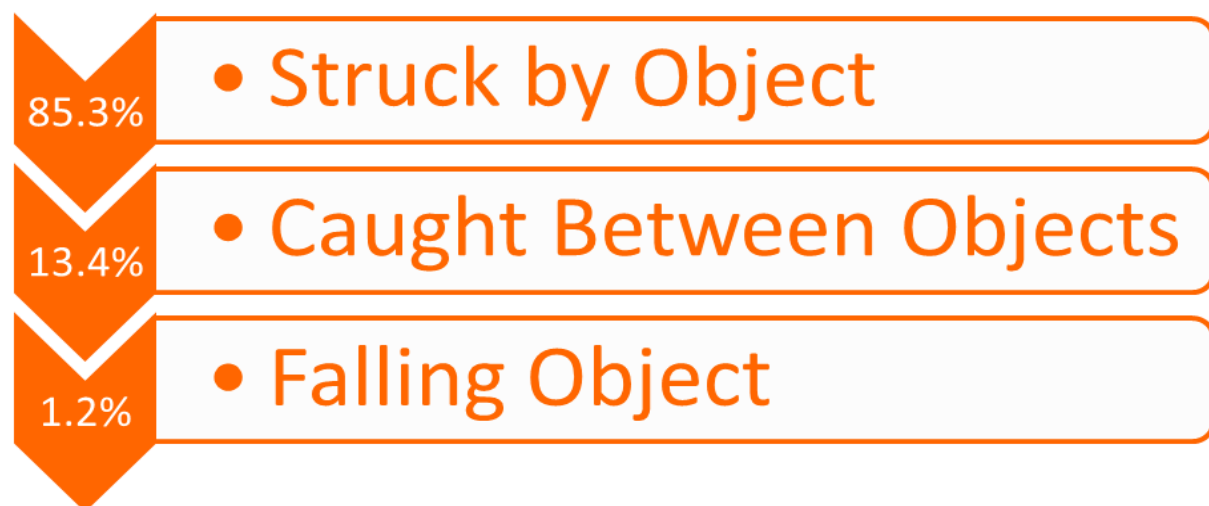
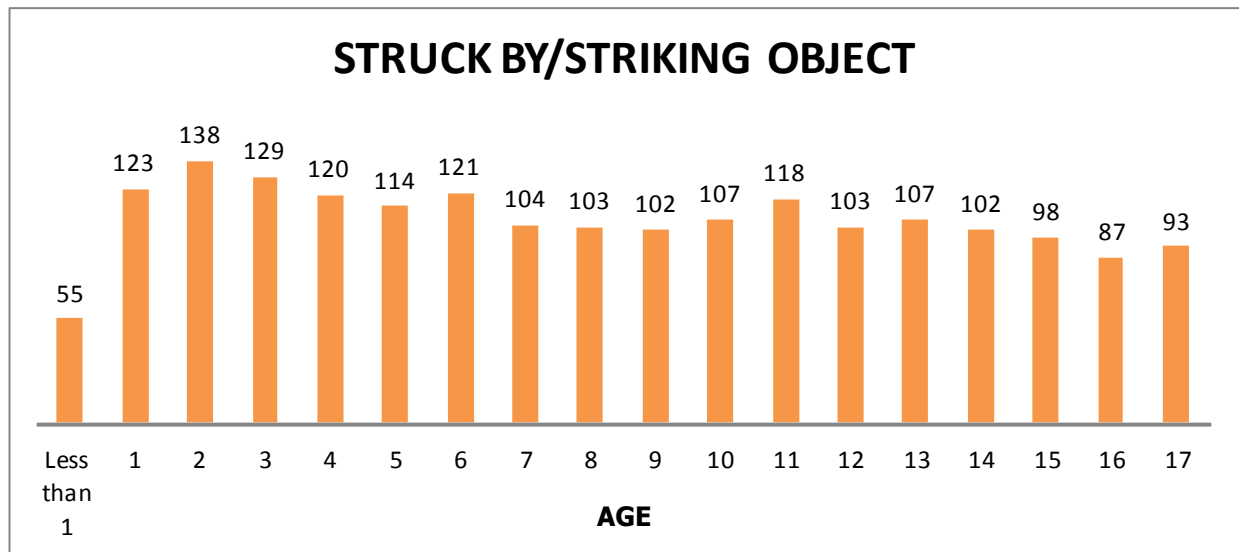
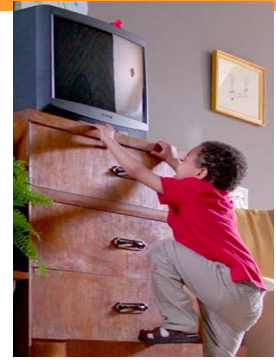


3 - STRUCK BY / STRIKING OBJECT

Struck by / Striking Object was the third leading cause of injury. There were 1,924 children treated for this injury, accounting for 17.2% of the visits.

Facts:

- 77.7% were treated at the Hospital ED
- 10.5% occurred in May
- 56.9% patients treated were male
- 97.0% were discharged from the ED/IC
- 62.2% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

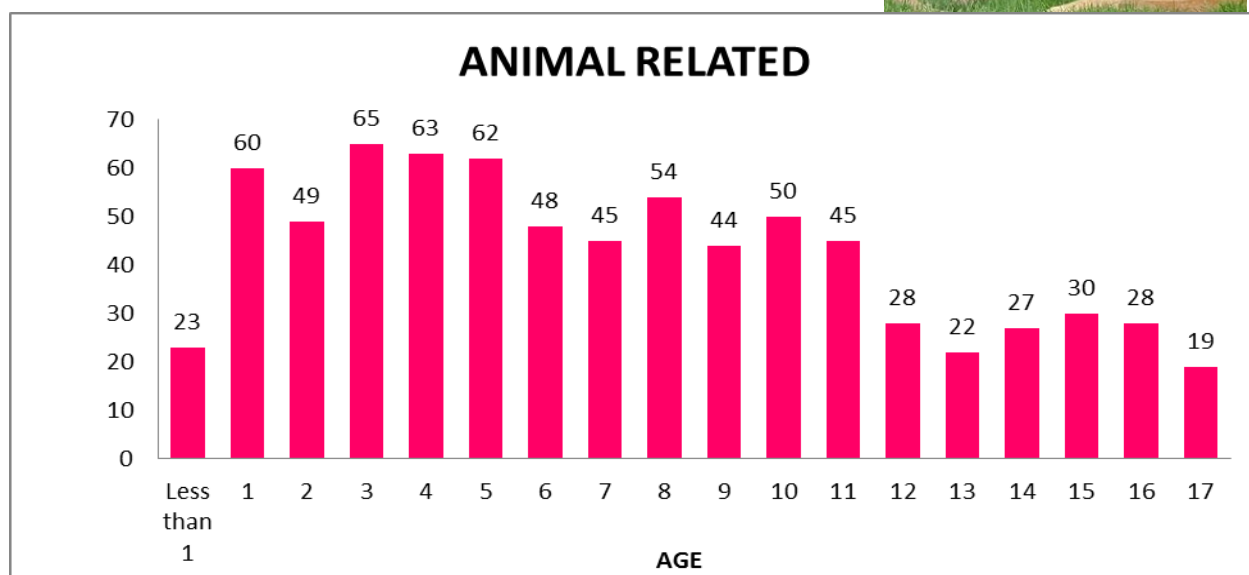


4 - Animal Related

Animal Related was the fourth leading cause of injury. There were 762 children treated for this injury, accounting for 6.8% of the visits.

Facts:

- 88.7% were treated at the Hospital ED
- 15.1% occurred in July
- 50.1% patients treated were male
- 65.7% were discharged from the ED/IC
- 88.5% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)



47.6%

• Insect/Bug

39.6%

• Dog Bite

6.8%

• Other Injury/Cause

3.9%

• Other Animal Bite

1.8%

• Venomous Animal

0.1%

• Non Venomous Snake/Lizard

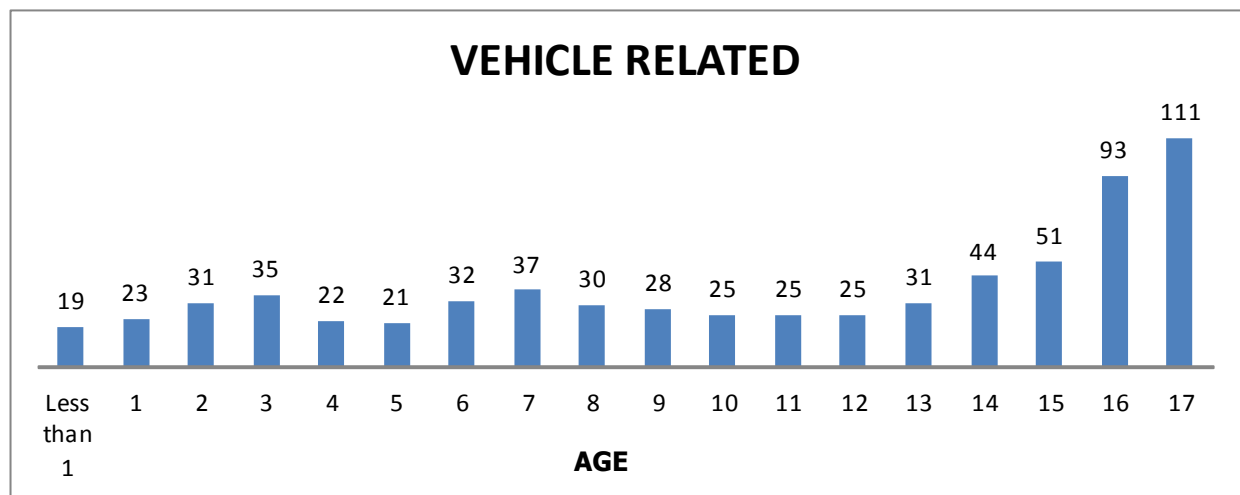
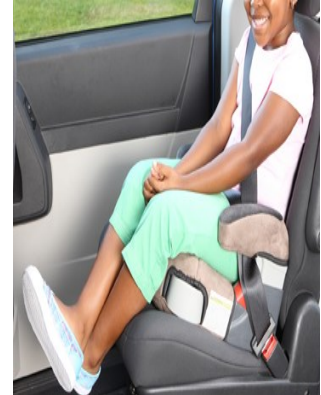


5 - Vehicle Related

Vehicle Related was the fifth leading cause of injury. There were 683 children treated for this related injury, accounting for 6.1% of the visits.

Facts:

- 92.4% were treated at the Hospital ED
- 11.4% occurred in September
- 52.3 patients treated were female
- 92% were discharged from the ED/IC
- 28.9% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)



59.3%

• Occupant/Passenger in Car

12%

• Driver of Car

11.4%

• Other Vehicle (Not a Car)

8.8%

• Other Vehicle Related Incident

6.9%

• Car VS Pedestrian

1.6%

• Motor Cycle (Driver or Passenger)



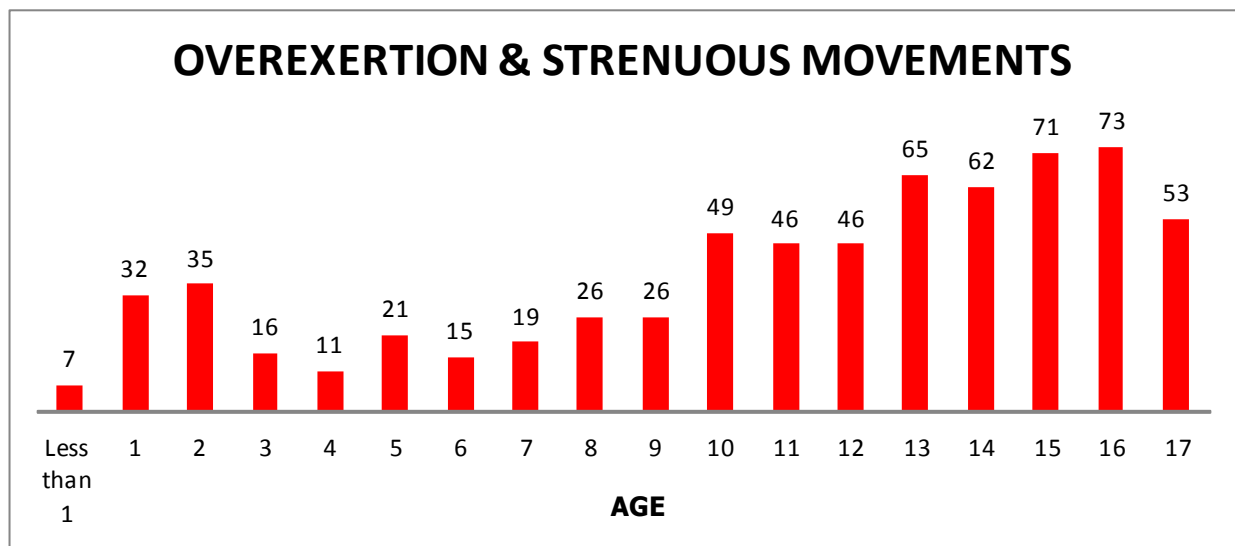
6 - Overexertion & Strenuous Movements

Overexertion & Strenuous Movements was the sixth leading cause of injury. There were 673 children treated for this injury, accounting for 6.0% of the visits.

Facts:

- 74.8% were treated at the Hospital ED
- 10.5% occurred in August
- 56.4% patients treated were female
- 99.6% were discharged from the ED/IC
- 67.2 resulted in a Sprain/Strain

An Overexertion & Strenuous Movement Injury includes a type of injury where the body is stressed beyond normal capabilities causing injury.

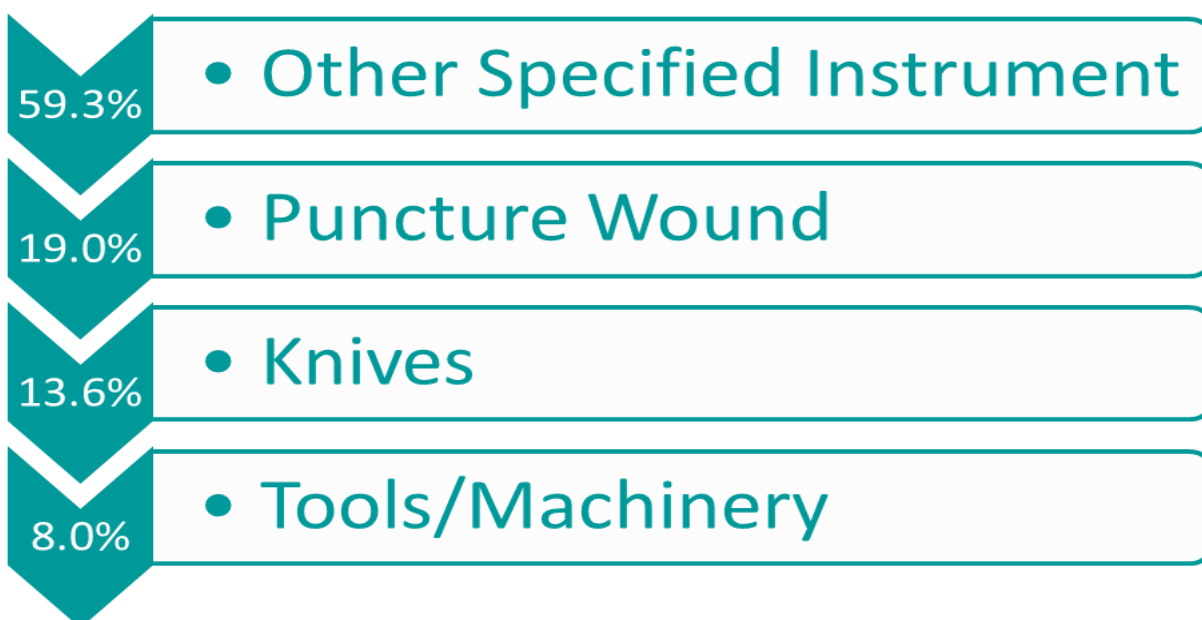
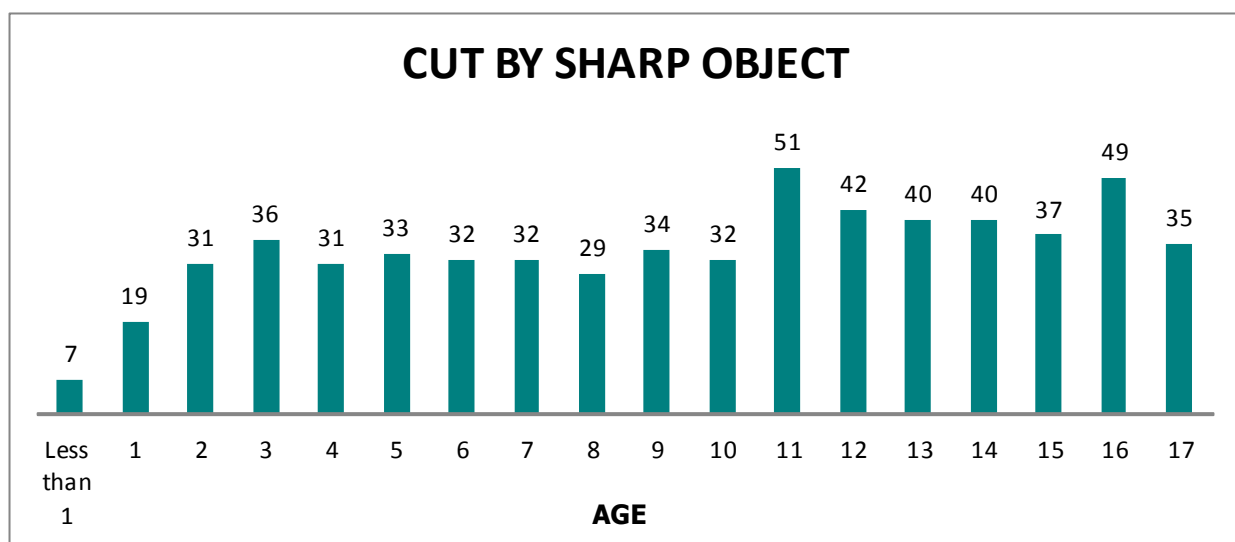


7 - Cut By Sharp Object

Cut by Sharp Object was the seventh leading cause of injury. There were 610 children treated for this injury, accounting for 5.5% of the visits.

Facts:

- 87.4% were treated at the Hospital ED
- 12.5% occurred in June
- 60.5% patients treated were male
- 97.0% were discharged from the ED/IC
- 96.7% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

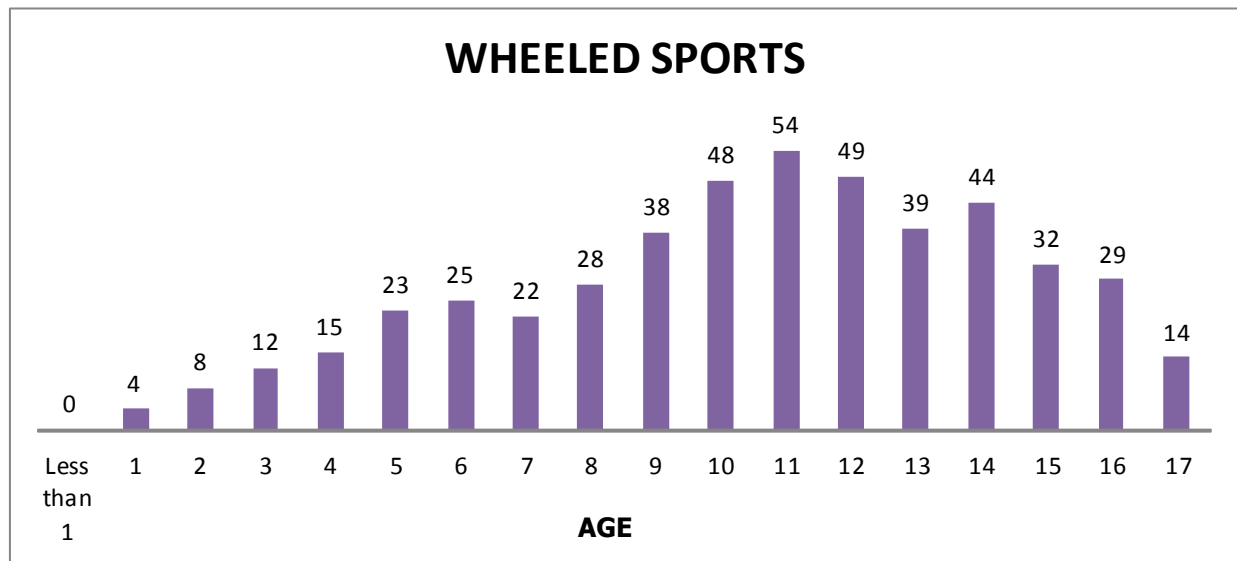


8 - Wheeled Sports

Wheeled Sports was the eighth leading cause of injury. There were 484 children treated for this injury, accounting for 4.3% of the visits.

Facts:

- 83% were treated at the Hospital ED
- 16.1% occurred in June
- 66.1% patients treated were male
- 91.7% were discharged from the ED/IC
- 40.9% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)



66.3%

• Bike

25.2%

• Roller Skates/Blades

8.5%

• Scooter

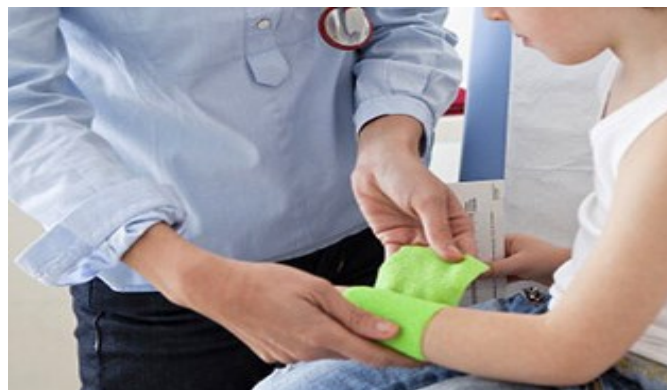
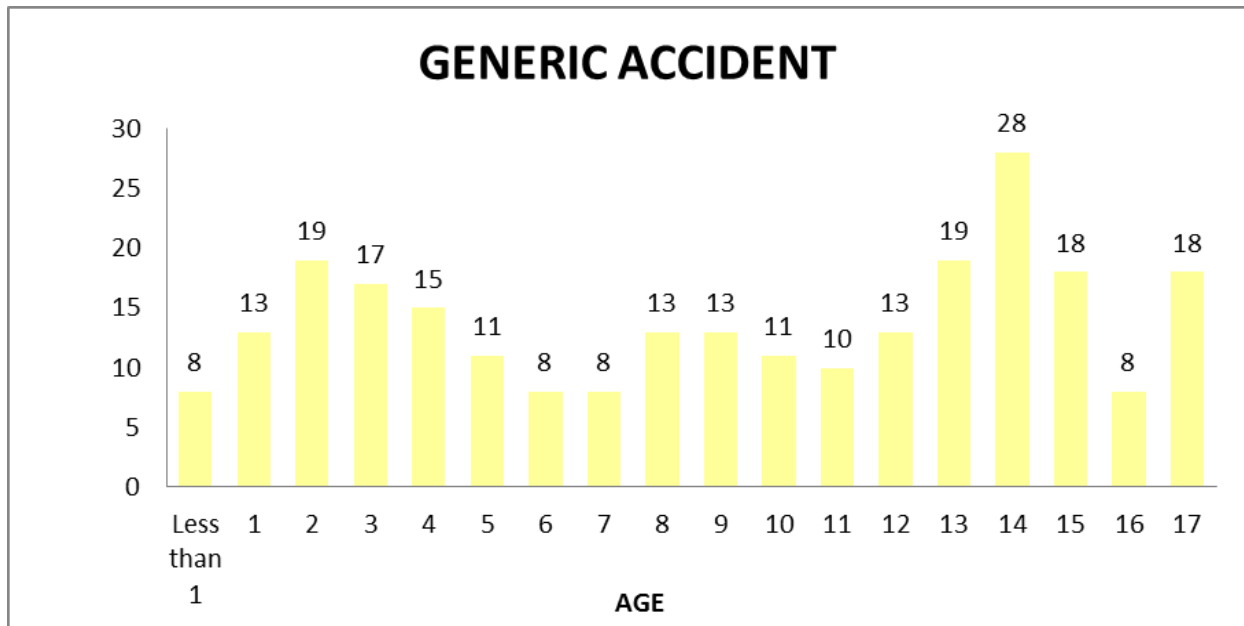


9 - Generic Accident

Poisoning was the ninth leading cause of injury. There were 250 children treated for this injury, accounting for 2.2% of the visits.

Facts:

- 83.2% were treated at the Hospital ED
- 10.8% August
- 56% patients treated were male
- 93.2% were discharged from the ED/IC
- 29.2% resulted in a Sprain/Strain

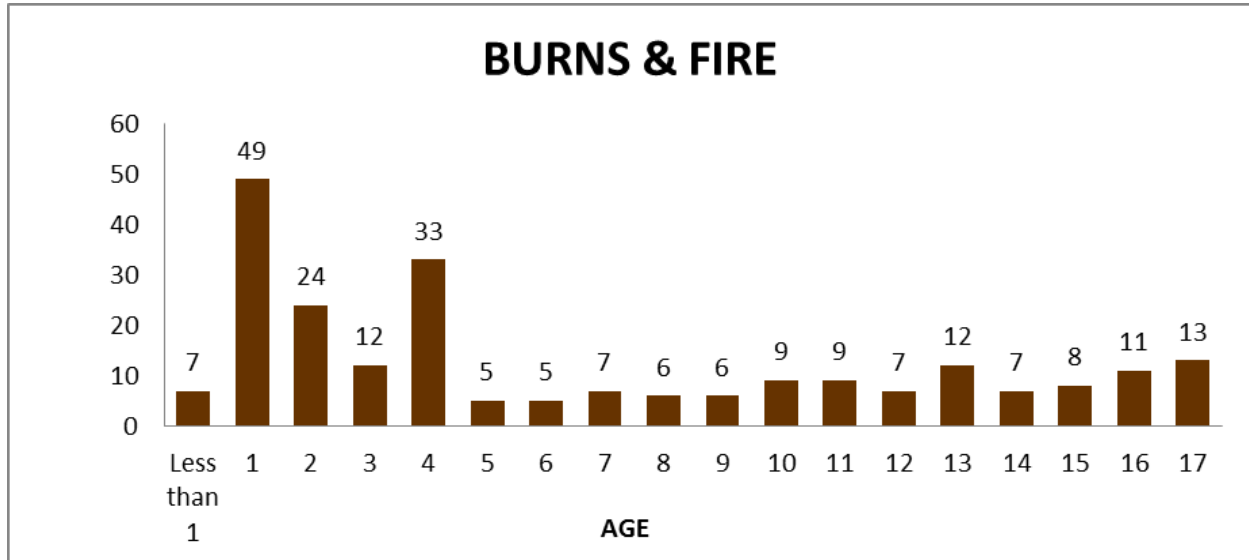


10 - Burns & Fire

Burns & Fire was the tenth leading cause of injury. There were 230 children treated for this injury, accounting for 2.1% of the visits.

Facts:

- 90.9% were treated at the Hospital ED
- 7.8% occurred in November
- 55.7% patients treated were male
- 56.1% were discharged from the ED/IC
- 97% resulted in a Burn



81.7%

• Liquid/Hot Substance

7%

• Other Burn

4.3%

• Environmental/Sunburn

3.9%

• Electrical-Appliance

1.3%

• Fire Related Equipment Injury

1.3%

• Burn From Fireworks

0.4%

• Chemical Burn



OTHER CAUSES OF INJURY

While these injuries were not in the top 10, nor analyzed in this report, it is important to note them because they are injuries that are occurring in Stark County.

CAUSE OF INJURY	PERCENT OF INJURIES
Physical Harm	2.0%
Foreign Body	1.7%
Poisoning	1.5%
Attempted Suicide	1.4%
Water Related	Less than 1%
Fire Arm	Less than 1%
Choking / Suffocation	Less than 1%
Weather	Less than 1%



LEADING CAUSE OF INJURY BY AGE

AGE	TOTAL NUMBER	LEADING CAUSE PERCENT/ NUMBER	SECOND LEADING CAUSE PERCENT/ NUMBER	THIRD LEADING CAUSE PERCENT/ NUMBER	FOURTH LEADING CAUSE PERCENT/ NUMBER	FIFTH LEADING CAUSE INJURY PERCENT/ NUMBER
LESS THAN 1	272	Falls 45.6% (124)	Struck by/Striking 20.2% (55)	Animal Related 8.5% (23)	Vehicle Related 7% (19)	Generic Accident & Foreign Body 2.9% (8)
1	637	Falls 43% (274)	Struck by/Striking 9.3% (123)	Animal Related 9.4% (60)	Burns 7.7% (49)	Overexertion 5% (32)
2	679	Falls 40% (271)	Struck by/ Striking 20.3% (138)	Animal Related 7.2% (49)	Overexertion 5.2% (35)	Cut By Sharp Object 4.7% (31)
3	628	Falls 37.3% (234)	Struck by/ Striking 20.5% (12)	Animal Related 10.4% (65)	Cut by Sharp 5.7% (36)	Vehicle Related 5.6% (35)
4	558	Falls 32.3% (180)	Struck by/Striking 21.5% (120)	Animal Related 11.3% (63)	Burns 5.9% (33)	Cut By Sharp Object 5.6% (31)
5	507	Falls 29.4% (149)	Struck by/Striking 22.5% (114)	Animal Related 12.2% (62)	Sports & Recreation 6.7% (34)	Cut by Sharp Object 6.5% (33)
6	482	Struck by/Striking 25.3% (122)	Falls 24.7% (119)	Sports & Recreation 12% (58)	Animal Related 10% (48)	Vehicle Related 6.6% (32)
7	493	Falls 25.4% (125)	Struck by/Striking 21.1% (104)	Sports & Recreation 14.4% (71)	Animal Related 9.1% (45)	Vehicle Related 7.5% (37)
8	525	Falls 24% (126)	Struck by/Striking 19.6% (103)	Sports & Recreation 15.4% (81)	Animal Related 10.3% (54)	Vehicle Related 5.7% (30)
9	536	Falls 21.6% (116)	Struck by/Striking 19% (102)	Sports & Recreation 18.5% (99)	Animal Related 8.2% (44)	Wheeled Sports 7.1% (38)

LEADING CAUSE OF INJURY BY AGE

AGE	TOTAL NUMBER	LEADING CAUSE PERCENT/ NUMBER	SECOND LEADING CAUSE PERCENT/ NUMBER	THIRD LEADING CAUSE PERCENT/ NUMBER	FOURTH LEADING CAUSE PERCENT/ NUMBER	FIFTH LEADING CAUSE PERCENT/ NUMBER
10	618	Sports & Recreation 23.5% (145)	Falls 19.3% (119)	Struck by/Striking 17.3% (107)	Animal Related 8.1% (50)	Overexertion 7.9% (49)
11	688	Sports & Recreation 24.3% (167)	Falls 20.2% (139)	Struck by/ Striking 17.2% (118)	Wheeled Sports 7.8% (54)	Cut By Sharp Object 7.4% (51)
12	660	Sports & Recreation 29.7% (196)	Falls 17.7% (117)	Struck by/ Striking 15.6% (103)	Wheeled Sports 7.4% (49)	Overexertion 7% (46)
13	758	Sports & Recreation 32.3% (245)	Falls 15.3% (116)	Struck by/ Striking 14.1% (107)	Overexertion 8.6% (65)	Cut By Sharp Object 5.4% (41)
14	833	Sports & Recreation 35.7% (297)	Falls 14.5% (121)	Struck by/ Striking 12.2% (62)	Overexertion 7.4% (62)	Vehicle Related & Wheeled Sports 5.3% (44)
15	770	Sports & Recreation 30.6% (236)	Falls 13.8% (106)	Struck by Striking 12.7% (98)	Overexertion 9.4% (72)	Vehicle Related 6.6% (51)
16	812	Sports & Recreation 25.6% (208)	Falls 13.8% (112)	Vehicle Related 11.6% (94)	Struck by Striking 10.7% (87)	Overexertion 9% (73)
17	723	Sports & Recreation 23.5% (170)	Vehicle Related 15.4% (111)	Struck by Striking & Falls 12.9% (93)	Overexertion 7.3% (53)	Physical Harm 5.8% (42)

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER	LEADING CAUSE PERCENT/NUMBER	SECOND LEADING CAUSE PERCENT/NUMBER	THIRD LEADING CAUSE PERCENT/NUMBER	FOURTH LEADING CAUSE PERCENT/NUMBER	FIFTH LEADING CAUSE PERCENT/NUMBER
44601	1,192	Falls 24.3% (1,192)	Sports & Recreation 15.6% (186)	Struck by/Striking 15.1% (180)	Physical Harm 13.2% (157)	Overexertion/ Vehicle Related 5.3% (63)
44608	54	Falls 25.9% (14)	Sports & Recreation 20.4 (11)	Physical Harm 13% (7)	Struck by/Striking and Vehicle Related 9.3% (5)	Wheeled Sports 5.6% (3)
44613	77	Falls 23.4% (18)	Struck by/Striking 18.2% (14)	Sports & Recreation 15.6% (12)	Vehicle Related 13% (10)	Physical Harm 9.1% (7)
44614	263	Falls and Sports & Recreation 21.7% (57)	Struck by/Striking 16.7% (44)	Overexertion 6.1% (16)	Vehicle Related 5.7% (15)	Physical Harm/Cut By Sharp 4.9% (13)
44626	89	Sports & Recreation 28.1% (25)	Falls 19.1% (17)	Struck by/ Striking 15.7% (14)	Overexertion, Vehicle Related and Physical Harm 6.7% (6)	Cut by Sharp Object 5.6% (5)
44630	3	Falls 66.7% (2)	Cut by Sharp Object 33.3% (1)	_____	_____	_____
44632	169	Falls 25.4% (43)	Sports & Recreation 24.3% (41)	Struck by/Striking 18.9 (32)	Vehicle Related 5.3% (9)	Overexertion 4.7% (8)
44641	451	Falls 23.9% (20)	Sports & Recreation 21.3% (96)	Struck by/Striking 17.3% (78)	Overexertion 7.8% (35)	Vehicle Related 7.3% (33)

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER	LEADING CAUSE PERCENT/NUMBER	SECOND LEADING CAUSE PERCENT/NUMBER	THIRD LEADING CAUSE PERCENT/NUMBER	FOURTH LEADING CAUSE PERCENT/NUMBER	FIFTH LEADING CAUSE PERCENT/NUMBER
44643	94	Sports & Recreation 21.3% (20)	Falls 19.1% (18)	Struck by/Striking 18.1% (17)	Vehicle Related 12.8% (12)	Overexertion 7.4% (7)
44646	1,578	Falls 21.4% (337)	Sports & Recreation 21.2% (335)	Struck by/Striking 18.2% (287)	Vehicle Related 6.6% (104)	Physical Harm 6.4% (101)
44647	631	Falls 22.5% (142)	Sports & Recreation 18.5% (123)	Struck by/Striking 15.5% (98)	Physical Harm 8.1% (51)	Vehicle Related 6.3% (40)
44648	5	Falls 40% (2)	Generic accident, Struck by/Striking and Physical Harm 2% (1)	_____	_____	_____
44650	0	_____	_____	_____	_____	_____
44652	2	Sports & Recreation and Falls 50% (1)	_____	_____	_____	_____
44657	146	Falls 26.7% (39)	Sports & Recreation 16.4% (24)	Physical Harm 15.1% (22)	Struck by/ Striking 13.1% (19)	Vehicle Related 8.2% (12)
44662	219	Falls 23.7% (52)	Sports & Recreation 21.0% (46)	Struck by/Striking 15.5 (34)	Vehicle Related 8.7% (19)	Physical Harm 5.9% (13)

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER	LEADING CAUSE PERCENT/NUMBER	SECOND LEADING CAUSE PERCENT/NUMBER	THIRD LEADING CAUSE PERCENT/NUMBER	FOURTH LEADING CAUSE PERCENT/NUMBER	FIFTH LEADING CAUSE PERCENT/NUMBER
44666	92	Falls 27.2% (25)	Sports & Recreation 25% (23)	Struck by/Striking 15.2% (14)	Overexertion 7.6% (7)	Wheeled Sports 4.3% (4)
44669	29	Falls 27.6% (8)	Struck by/Striking 20.7% (6)	Vehicle Related 13.8% (4)	Sports & Recreation and Overexertion 10.3% (3)	Poisoning, Water, Physical Harm, Generic Accident and Fire/Burns 3.4% (1)
44670	4	Falls, Struck by/Striking, Vehicle Related and Sports & Recreation 25% (1)				
44685	363	Sports & Recreation 26.4% (96)	Falls 22.3% (81)	Struck by/Striking 16.5% (60)	Physical Harm 5.8% (21)	Burns 4.4% (16)
44688	110	Falls 21.8% (24)	Sports & Recreation 20% (22)	Cut by Sharp Object 13.6% (15)	Vehicle Related 10.9% (12)	Struck by/Striking 10% (11)
44689	14	Struck by/Striking 28.6% (4)	Physical Harm 21.4% (3)	Sports & Recreation and Falls 14.3% (2)	Weather, Wheeled Sports and Cut by Sharp 7.1% (1)	
44701	6	Falls 50% (3)	Wheeled Sports, Overexertion and Weather 16.7% (1)			

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER	LEADING CAUSE PERCENT/NUMBER	SECOND LEADING CAUSE PERCENT/NUMBER	THIRD LEADING CAUSE PERCENT/NUMBER	FOURTH LEADING CAUSE PERCENT/NUMBER	FIFTH LEADING CAUSE PERCENT/NUMBER
44702	39	Falls and Physical Harm 23.1% (9)	Attempted Suicide 15.4% (6)	Generic Accident 12.8% (5)	Weather 7.7% (3)	Sports & Recreation 5.1% (2)
44703	361	Falls 25.2% (91)	Struck by/Striking 16.3% (59)	Sports & Recreation 13.3% (48)	Cut by Sharp Object 10% (36)	Physical Harm 7.5% (27)
44704	165	Falls 20.6%	Struck by/Striking and Sports & Recreation 18.2% (30)	Cut by Sharp Object 10.3% (17)	Vehicle Related 8.5% (14)	Overexertion 7.9% (13)
44705	775	Falls 24% (191)	Struck by/Striking 19.5% (151)	Sports & Recreation 12.6% (98)	Vehicle Related 7.2% (56)	Physical Harm 6.8% (53)
44706	661	Falls 24.7% (163)	Struck by/ Striking 18.5% (122)	Sports & Recreation 14.5% (96)	Overexertion 8.6% (57)	Physical Harm 8.5% (56)
44707	476	Falls 22.7% (108)	Struck by/Striking 17.4% (83)	Sports & Recreation 17.0% (81)	Cut by Sharp and Vehicle Related 6.7% (32)	Physical Harm 6.5% (31)
44708	724	Falls 23.5% (170)	Struck by/Striking 18.4% (133)	Sports & Recreation 17.3% (125)	Cut by Sharp Object 7.0% (51)	Wheeled Sports 6.5% (47)
44709	395	Falls 27.3% (108)	Sports & Recreation 17.5% (69)	Struck by/Striking 17.2% (68)	Overexertion 8.1% (32)	Cut by Sharp Object 6.1% (24)

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER	LEADING CAUSE PERCENT/NUMBER	SECOND LEADING CAUSE PERCENT/NUMBER	THIRD LEADING CAUSE OF INJURY PERCENT/NUMBER	FOURTH LEADING CAUSE PERCENT/NUMBER	FIFTH LEADING CAUSE PERCENT/NUMBER
44710	427	Falls 26.2% (112)	Struck by/Striking 18.0% (77)	Sports & Recreation 13.8% (59)	Overexertion 8% (34)	Cut by Sharp Object 7.7% (33)
44714	254	Falls 27.2% (69)	Struck by/Striking 16.1% (41)	Sports & Recreation 13.8% (35)	Overexertion 9.4% (24)	Vehicle Related 7.1% (18)
44718	177	Sports & Recreation 25.4% (45)	Falls 23.7% (42)	Struck by/Striking 18.1% (32)	Overexertion, Wheeled Sports 7.9% (14)	Vehicle Related 3.4% (6)
44720	668	Falls 24.7%(165)	Sports & Recreation 24.1% (161)	Struck by/Striking 17.7% (118)	Overexertion 5.2% (35)	Wheeled Sports 5.1% (34)
44721	290	Sports & Recreation 22.8% (66)	Falls and Struck by/ Striking 20.7% (60)	Overexertion 7.6% (22)	Wheeled Sports 5.9% (17)	Physical Harm 4.8% (14)
44730	168	Sports & Recreation 2.4% (46)	Falls 20.2% (34)	Struck by/Striking 17.3% (29)	Vehicle Related 9.5% (16)	Overexertion 4.8% (8)
44735	1	Struck by/Striking 100% (1)				

SIGNIFICANT FINDINGS & RECOMMENDATIONS

- Nearly 47% of all *Falls* are suffered by children age 5 and under.
- Eighty percent of the *Sports & Recreation* injuries are suffered by children over age 10.
- The leading cause of injury among children ages 0-5 and ages 7-9 was *Falls*.
- Nearly 47% of all *Falls* are suffered by children age 5 and under.
- Nearly 30% of all *Vehicle Related* injuries were suffered by 16 and 17 year olds.
- *Animal Related* were most prevalent among children ages 1 to 11.
- 14 year olds had the highest total number of injuries, as well as the highest rate of injury.
- Eighty percent of the *Sports & Recreation* injuries are suffered by children over age 10.
- The leading cause of injury among children ages 10-17 was *Sports & Recreation*
- *Overexertion* and *Vehicle Related* were the only categories where females suffered more injuries than males.
- Nearly 30% of all *Vehicle Related* injuries were suffered by 16 and 17 year olds.
- Nearly two-thirds of *Wheeled Sports* injuries were due to a bicycle.
- Dog bites and insect/bug bites accounted for over 85% of the *Animal Related* injuries.
- *Animal Related* were most prevalent among children ages 1 to 11.
- There was a 46% increase in *Sports and Recreation* injuries from age 9-10, resulting in a steady increase to age 14, followed by a slight decline.
- *Struck By/Striking* injuries occur fairly evenly amongst all ages.
- There was an 80% increase in *Vehicle Related* injuries from age 15-16.



SAFE KIDS INJURY PREVENTION PROGRAMS

Safe Kids Stark County was founded in 1992 to reduce unintentional injury and death among children 14 and under in Stark County, by implementing the following programs.

Child Passenger Safety

- Car Seat Distribution Program, Car Seat Inspections, Car Seat Fitting Stations, Educational Workshops, and Outreach.

Fire Safety

- Family Safety Education Trailer: Mobile classroom used by local fire departments to educate on fire safety, home hazards and weather safety. Approximately 10,000 children and caregivers have been reached.

Wheeled Sports

- Use Your Head, Wear A Helmet: Helmets are sold at cost to the community. Helmets and Educational Materials are distributed at community events. Helmets are provided to the county Emergency Departments for children treated for a head injury or wheeled sports injury. Over 4,000 helmets have been sold and donated.

Pedestrian Safety

- Walk This Way: Conduct pedestrian safety program at one elementary school each year. Program includes educational assembly stations and safety walk. Over 8,300 children have been reached by this program.

Safe Kids Day

- A free interactive safety fair is conducted each year. Children have the opportunity to participate in safety activities (provided by community organizations) and received educational resources. Over 8,500 children and caregivers have been reached by this program.

Sports Safety

- Provide free training to youth league coaches regarding injury prevention, recognition and treatment.

Injury Prevention Seminar

- Host annual Seminar for Physicians, Nurses, EMS Providers and other health care professionals. Topics have included general injury prevention and sports safety, based on community needs.

Other Areas

- Safe Kids is a clearinghouse for other injury risk areas. Information is provided at health fairs and community events. Parents, caregivers and community members are encouraged to call and request information from the Coalition and partner agencies.

Safe Kids Stark County
C/O Stark County Health Department
3951 Convenience Circle NW
Canton, Ohio 44718
330-493-9904
www.starkhealth.org/safekids
Follow Us On Facebook

