



Stark County Childhood Injury Report

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

**11th Annual Report
January 1, 2013 - December 31, 2013**

Report Prepared By:



Safe Kids Stark County
Data & Research Committee



Stark County Health Department
Administration & Support Services

This work is funded either in whole or in part by a grant awarded by the Ohio Department of Health, Bureau of Healthy Ohio, Violence and Injury Prevention Program and as a sub-award of a grant issued by the Centers for Disease Control and Prevention (CDC), Preventive Health and Health Services Block Grant under the grant award number 3B01DP009042-13S1 and CFDA number 93.991.

TABLE OF CONTENTS

<u>TOPIC</u>	<u>PAGE #</u>
Committee & Report Information	3
Value to the Community	4
Childhood Injury Trends	4
E-Code Headings	5
ICD 9 Code Headings	5
Total Visits	6
Visits by Gender	7
Visits by Race	7
Visits by Month	8
Disposition of Treatment	9
Visits by Zip Code	10-12
Stark County Map	13
Zip Code Description	14
Visits by Age	15
Cause of Injury	16-17
Severity of Injury	18-19
Leading Causes of Injury	20-29
Falls	20
Sports & Recreation	21
Struck by / Striking Object	22
Cut by Sharp Object	23
Overexertion & Strenuous Movements	24
Vehicle Related	25
Wheeled Sports	26
Animal Related	27
Generic Accident	28
Physical Harm	29
Other Causes of Injury	30
Leading Cause of Injury by Age	31-32
Leading Cause of Injury by Zip Code	33-35
Significant Findings & Recommendations	36
Safe Kids Programs	37



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

Emily Edwards, RN

Alliance City Health Department

Joyce Himebaugh, RN

Mercy Medical Center

Amanda Kelly, BA, CHES

Stark County Health Department

Sheree Nuske, RN, BSN, CEN

Aultman Hospital

Julia Wagner, MPH

Stark County Health Department

This report includes E-Codes (cause of injury) and ICD9 (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, 2013 through December 31, 2013. E-Codes capture how the injury occurred and whether or not the injury was intentional. This is used in the report to determine a cause for the injury.

The hospitals were asked to provide their E-Code and ICD9 Code data for children ages 17 and under during the time frame. Date of treatment, patient's age, race/ethnicity, gender, descriptions of the E-Code and ICD9 Code, emergency department disposition and facility (main campus or immediate/stat care) were reported for combined analysis. For each child treated, the zip code reported is where the child lives, not necessarily where the injury occurred.

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 x 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 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 and 2012 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, 2013 through December 31, 2013. During that time 11,605 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.

However, due to the work of over 350 Safe Kids Coalitions in the United States, Safe Kids USA reports the accidental death rate dropped 53% from 1987 to 2009. They also report that in the last 20 years, the accidental injury rate has dropped nearly 45%.

In Stark County, injuries continue to be a problem—with approximately 14,000 children being treated each year. Previous reports ([available at www.starkhealth.org/safekids](http://www.starkhealth.org/safekids)) highlight the problem locally.



E-CODES (CAUSE) & ICD-9 (EXTENT/SEVERITY)

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 13 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 30.

- 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



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.

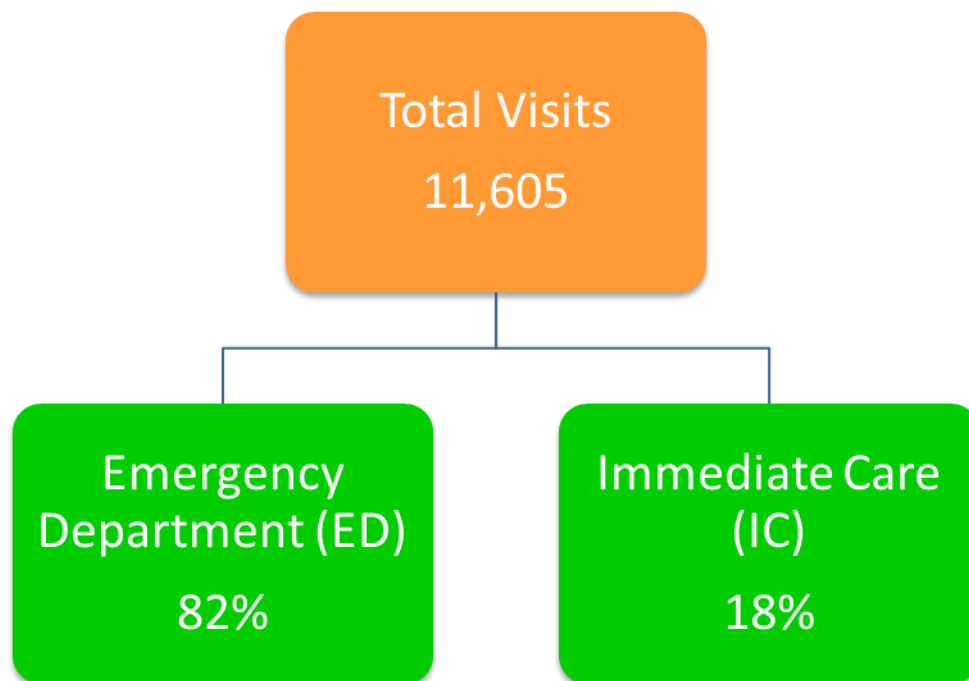
- Amputation
- Brain Bleed/Skull Fracture
- Burn
- Concussion/Closed Head Injury
- Crushing Injury
- Dislocation
- Foreign Body
- Fracture
- Injury/Pain
- Internal Injury
- Minor External Body Region/Injury (Abrasion, Contusion, Open Wound)
- Other/Unknown
- Poisoning/Allergic Reaction
- Sprain/Strain



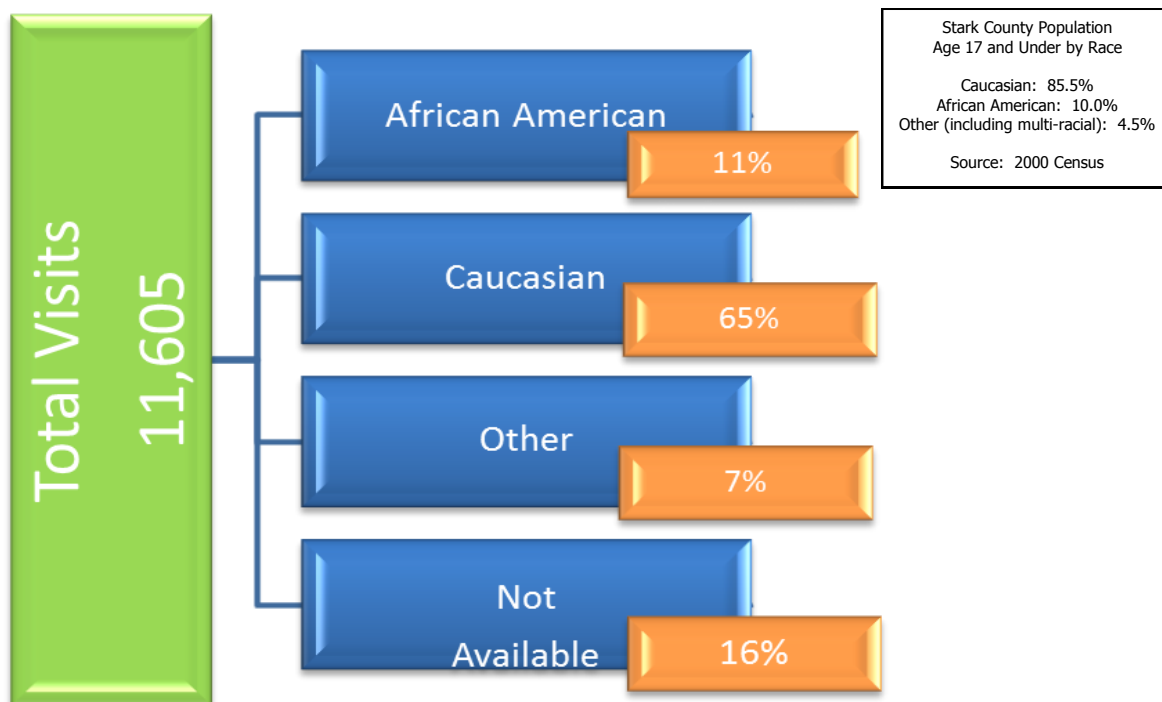
TOTAL VISITS

In 2013, there were slightly more visits than in 2012. There were no changes to the data collection process, so the number should be consistent.

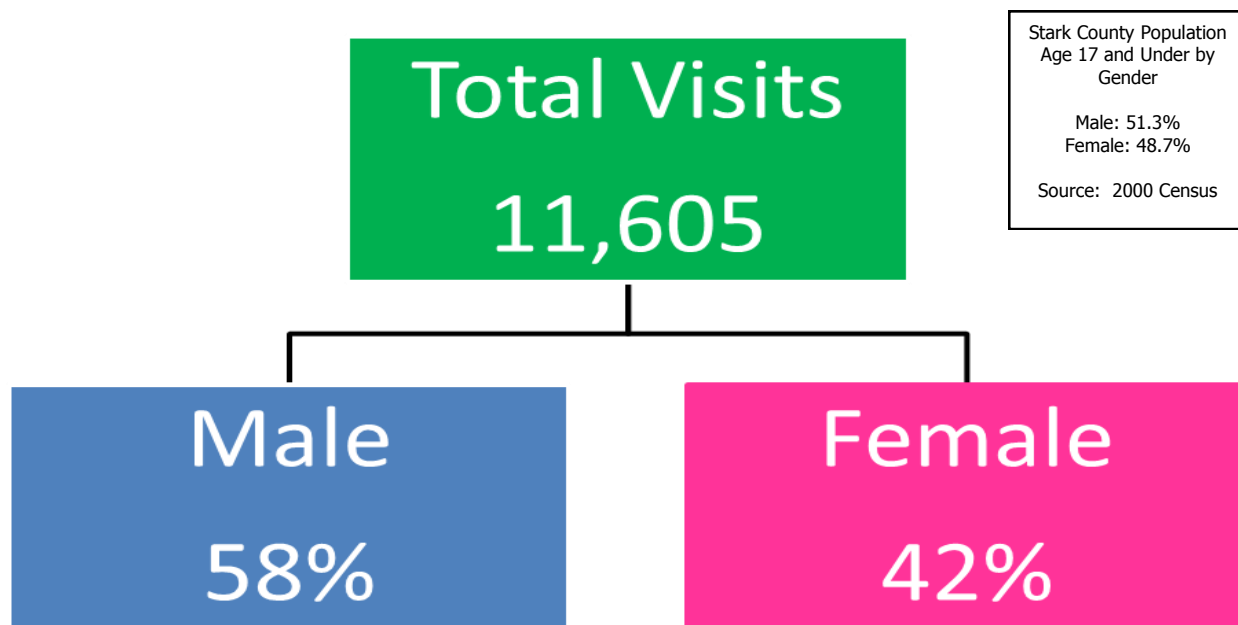
Data was collected from four Stark County hospitals, plus the neighboring children's hospital. In addition to Emergency Department (ED) visits, data was collected from two hospitals Immediate Care (IC) facilities.



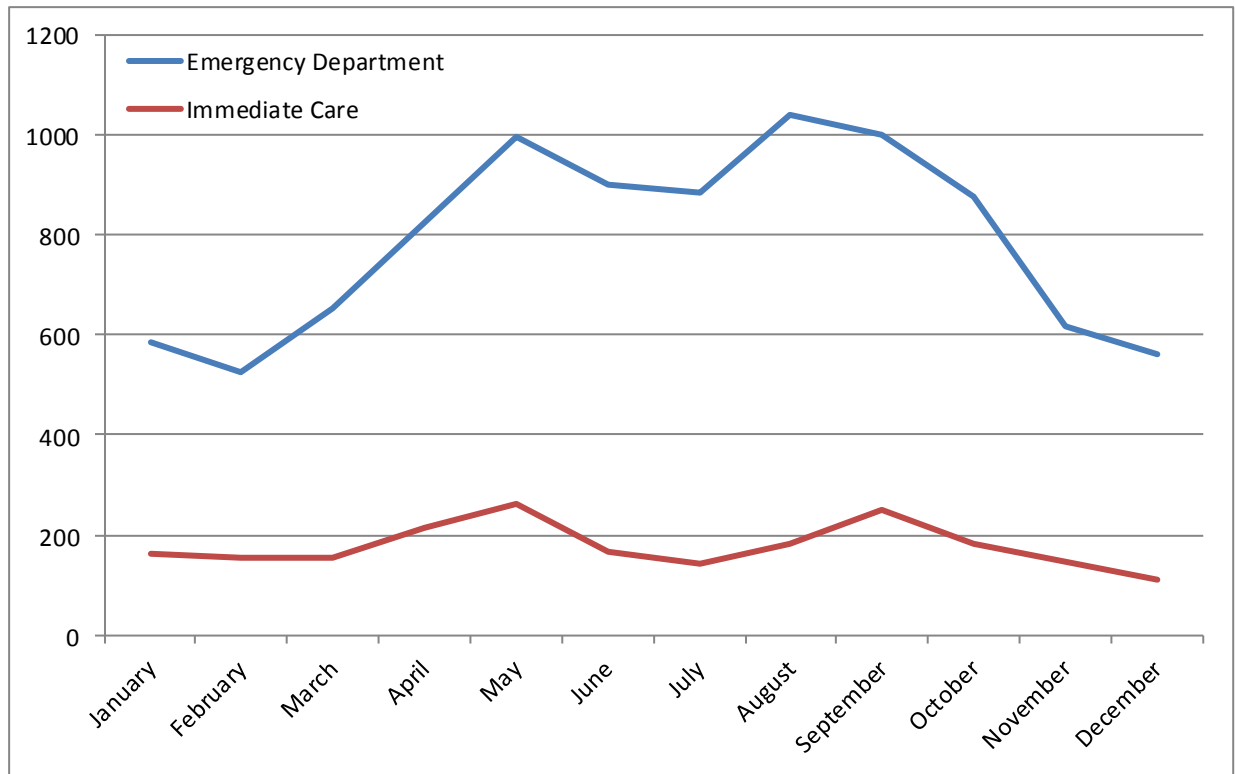
VISITS BY RACE



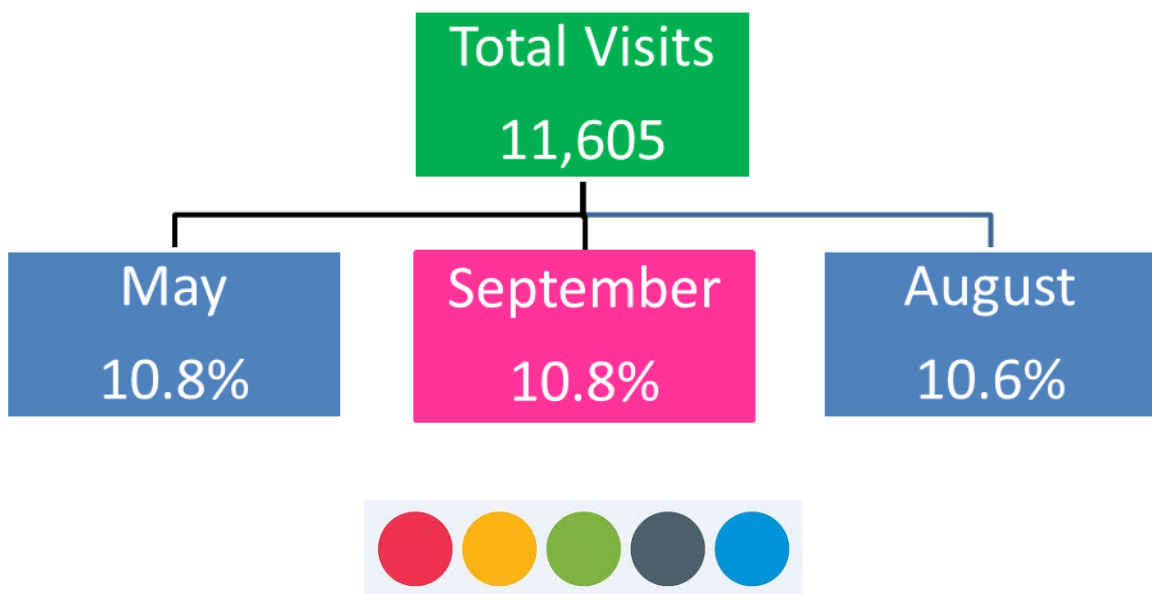
VISITS BY GENDER



VISITS BY MONTH

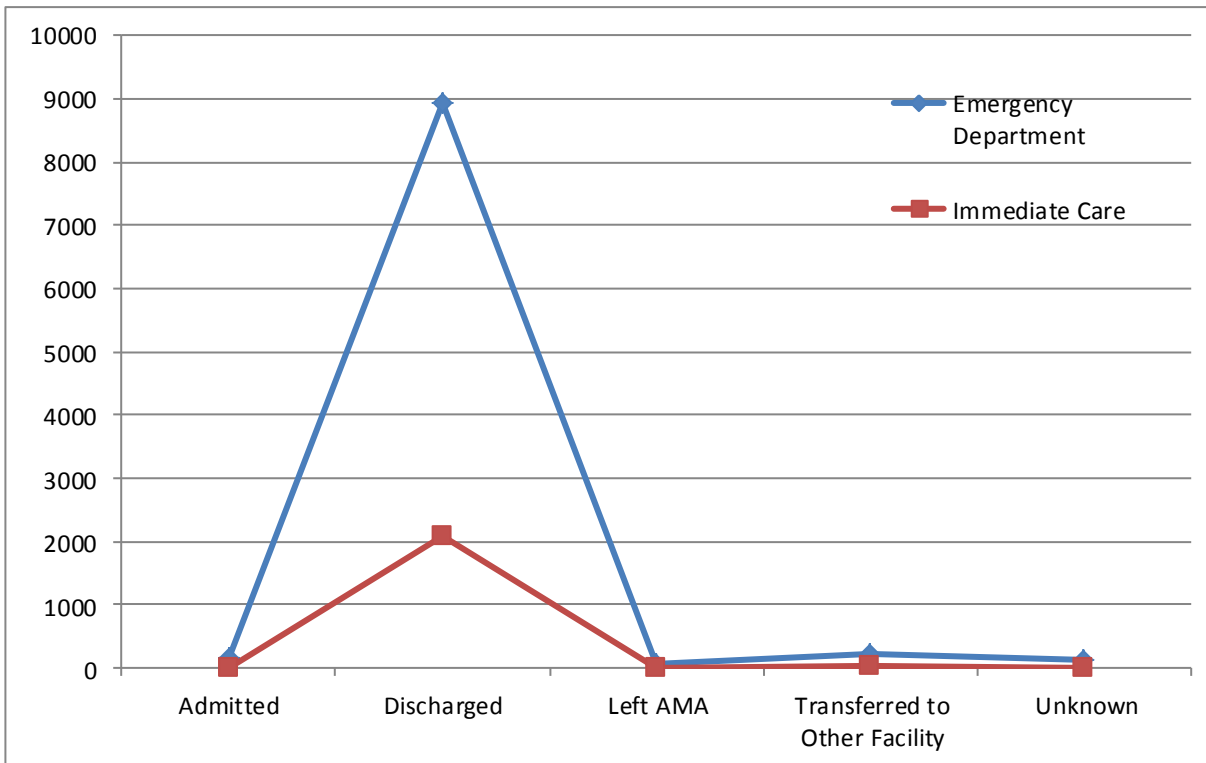


As seen in the figure below, the months with the most total visits were May, September and August. Additionally, the months with the least number of total visits were December, February and January. Overall, less visits for childhood injuries take place over the winter months.



DISPOSITION (RESULT) OF TREATMENT

For childhood injuries seen at either the ED or IC, the majority were treated and discharged. Very few were admitted for an extended stay. Additionally, very few leave AMA or are transferred to other facilities.



VISITS BY RESIDENT ZIP CODE

TOTAL NUMBER OF INJURIES IN STARK COUNTY		COUNTY POPULATION (AGES 0-18)		COUNTY INJURY RATE PER 1,000 POPULATION	
11,605		92,716		125.2	
ZIP CODE	INJURY RATE PER 1,000 POPULATION	ZIP CODE	INJURY RATE PER 1,000 OPULATION	ZIP CODE	INJURY RATE PER 1,000 POPULATION
44601	182.3	44652	20.0	44705	160.2
44608	77.3	44657	135.1	44706	171.8
44613	123.2	44662	114.1	44707	185.5
44614	79.5	44666	225.7	44708	138.2
44626	154.4	44669	200.6	44709	97.2
44630	N/A	44670	278.7	44710	193.6
44632	68.6	44685	49.2	44714	143.9
44641	103.0	44688	169.4	44718	83.4
44643	97.7	44689	39.4	44720	73.1
44646	145.1	44701	N/A	44721	78.8
44647	146.0	44702	375.0	44730	121.3
44648	N/A	44703	167.1	44735	N/A
44650	N/A	44704	165.1		

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	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
44601	18	1,404	1,422
44608	11	41	52
44613	15	37	52
44614	42	200	242
44626	30	71	101
44630	3	3	6
44632	19	153	172
44641	83	410	493
44643	14	61	75
44646	449	1,193	1,642
44647	178	375	553
44648	0	4	4
44650	0	2	2
44652	2	1	3
44657	0	319	319
44662	79	166	245
44666	31	41	72
44669	8	56	64
44670	0	17	17
44685	46	305	351
44688	32	93	125
44689	2	6	8
44701	1	6	7
44702	0	30	30
44703	39	360	399
44704	11	160	171
44705	89	694	783
44706	101	656	757
44707	48	414	462
44708	165	548	713
44709	79	264	343
44710	43	403	446
44714	48	222	270
44718	71	125	196
44720	268	361	629
44721	67	160	227
44730	37	114	151
44735	0	1	1
TOTAL	2,129	9,476	11,605

VISITS BY RESIDENT ZIP CODE

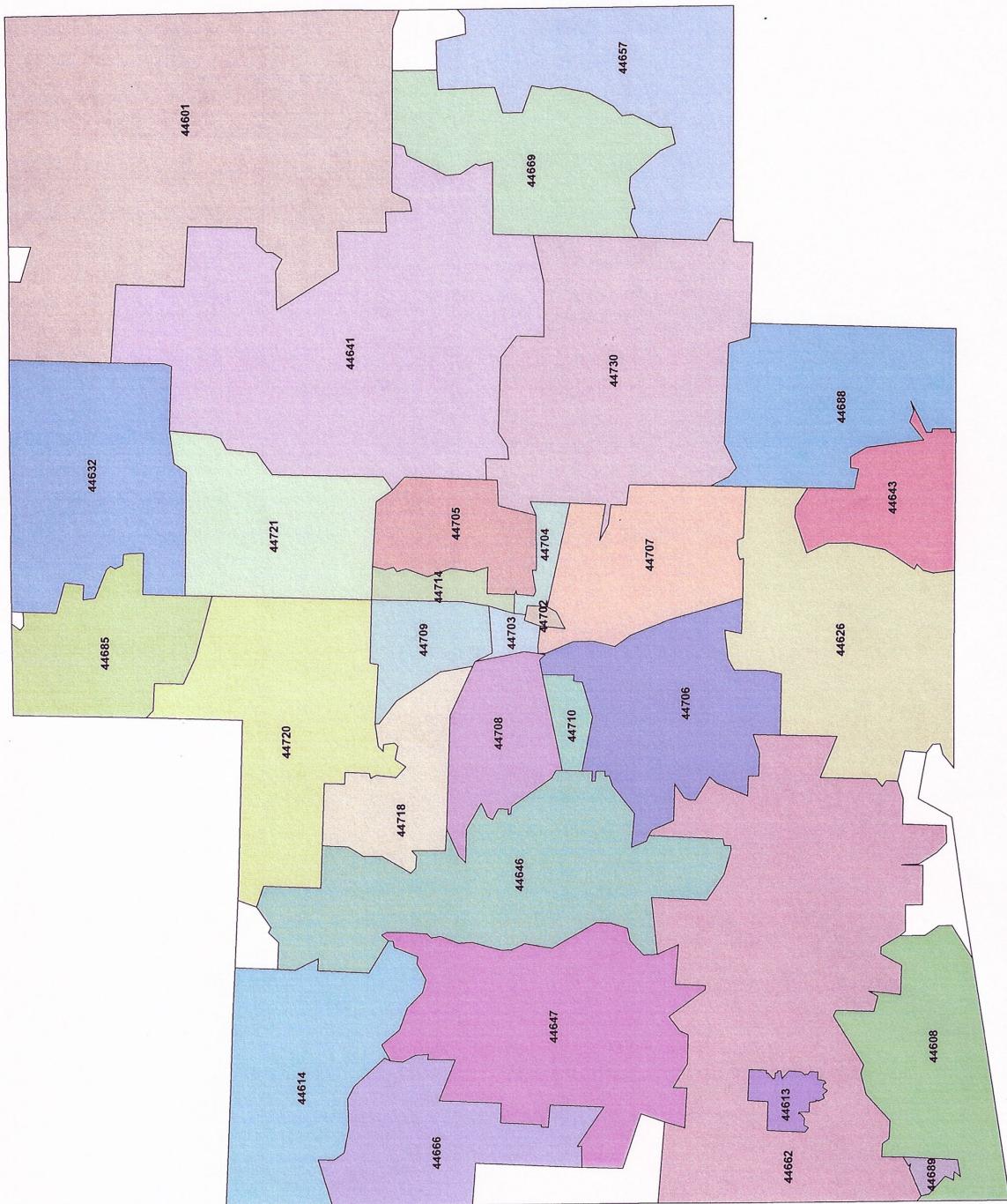
BY INJURY RATE (HIGHEST TO LOWEST)

44702	Canton City
44670	Minerva, Paris Twp., Robertsville
44669	Minerva, Paris, Washington Twp.
44652	PO Boxes, Middlebranch, Plain Twp.
44710	Canton City, Canton Twp., Perry Twp.
44707	Canton City, Canton Twp., North Industry, Waco
44601	Alliance City, Lexington Twp., Massillon City, Perry Twp., Tuscarawas Twp.
44706	Canton City, Plain Twp., East Sparta, Perry, Twp.
44688	Sandy Twp., Waynesburg
44703	Canton City

BY TOTAL NUMBER OF VISITS (HIGHEST TO LOWEST)

44646	Jackson Twp., Lawrence Twp., Massillon City, Perry Twp. Tuscarawas Twp.
44601	Alliance City, Lexington Twp., Massillon City, Perry Twp., Tuscarawas Twp.
44705	Canton City, Plain Twp.
44706	Canton City, Plain Twp., East Sparta, Perry, Twp.
44708	Canton City, Canton Twp., Hills & Dales Village, Marlboro Twp., Washington Twp., Plain Twp.
44720	Greentown, Hartville, Jackson Twp., Lake Twp., North Canton, Plain Twp.
44647	Lawrence Twp., Massillon City, Tuscarawas Twp.
44641	Louisville City, Hartville, Nimishillen Twp., Osnaburg Twp., Plain Twp.
44707	Canton City, Canton Twp., North Industry, Waco
44710	Canton City, Canton Twp., Perry Twp.

STARK COUNTY MAP

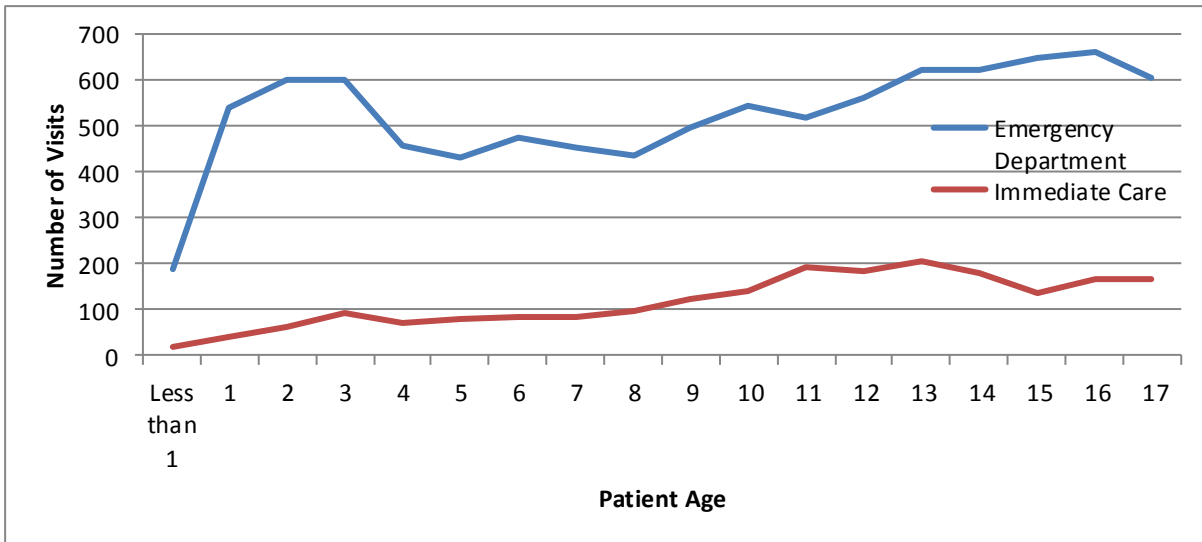


ZIP CODE DESCRIPTION

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

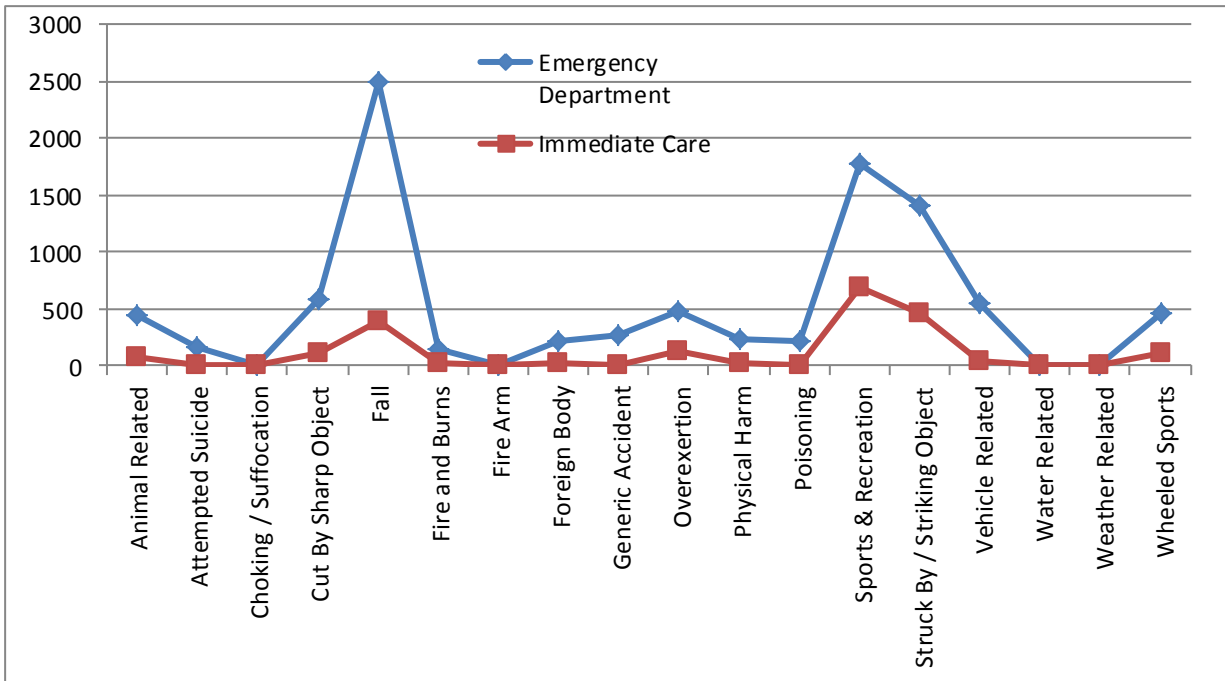
TOTAL VISITS BY AGE



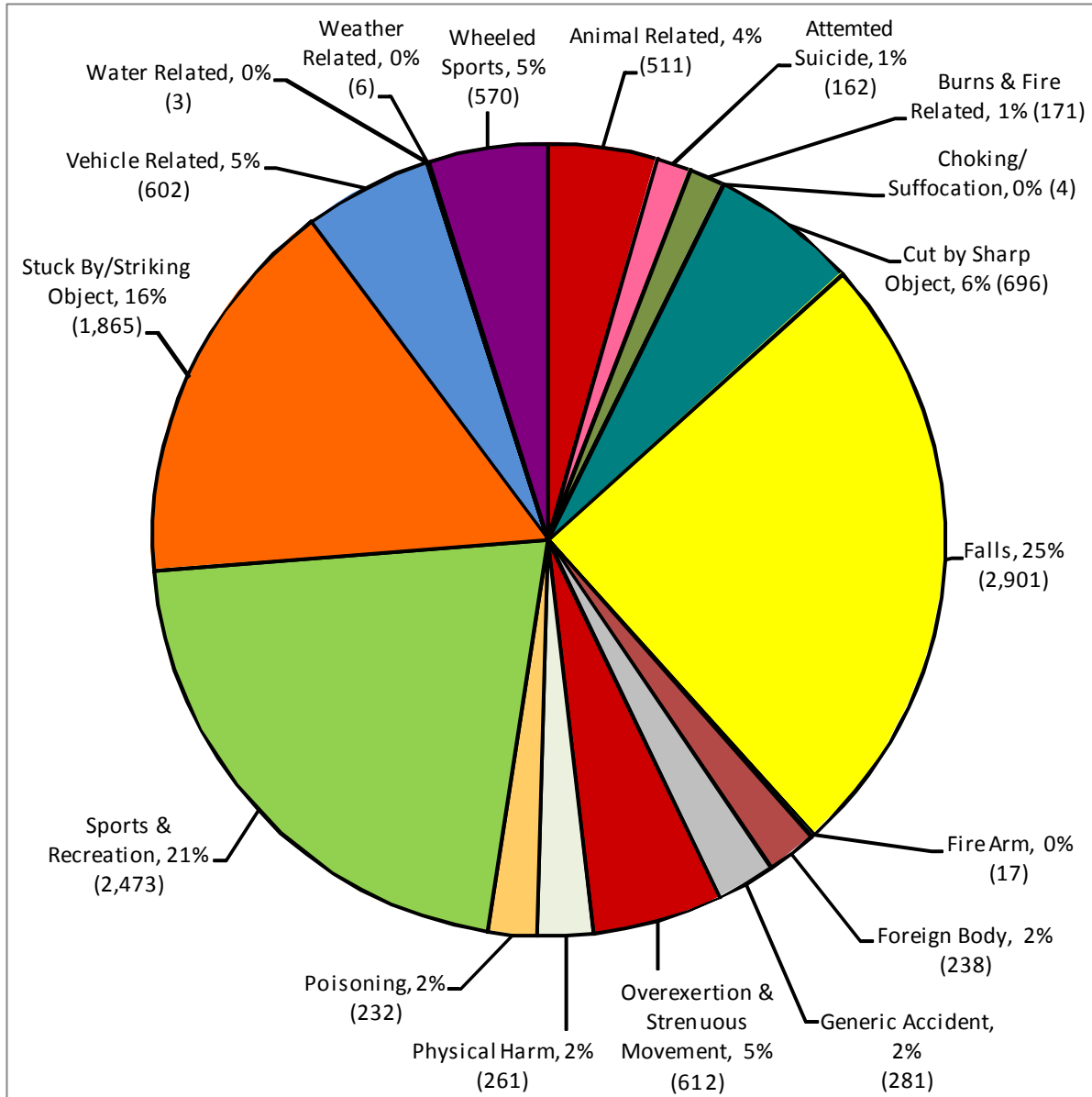
AGE	# OF INJURIES	% OF TOTAL INJURIES	POPULATION*	RATE OF INJURY PER 1,000 POPULATION
LESS THAN 1	207	1.6%	4,099	50.5
1	582	4.7%	4,254	136.8
2	664	5.7%	4,464	148.7
3	695	5.9%	4,482	155.1
4	530	4.5%	4,531	117.0
5	510	4.6%	4,482	113.8
6	562	4.8%	4,569	123.0
7	535	4.7%	4,585	116.7
8	535	4.9%	4,630	115.6
9	620	5.4%	5,098	121.6
10	682	5.8%	4,924	138.5
11	711	6.0%	4,871	146.0
12	746	6.6%	5,051	147.7
13	829	7.1%	4,974	166.7
14	806	7.1%	5,127	157.2
15	787	6.7%	5,187	151.7
16	831	7.3%	5,231	158.9
17	773	6.6%	5,427	142.4
TOTAL	11,605	100%	85,986	135.0

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.

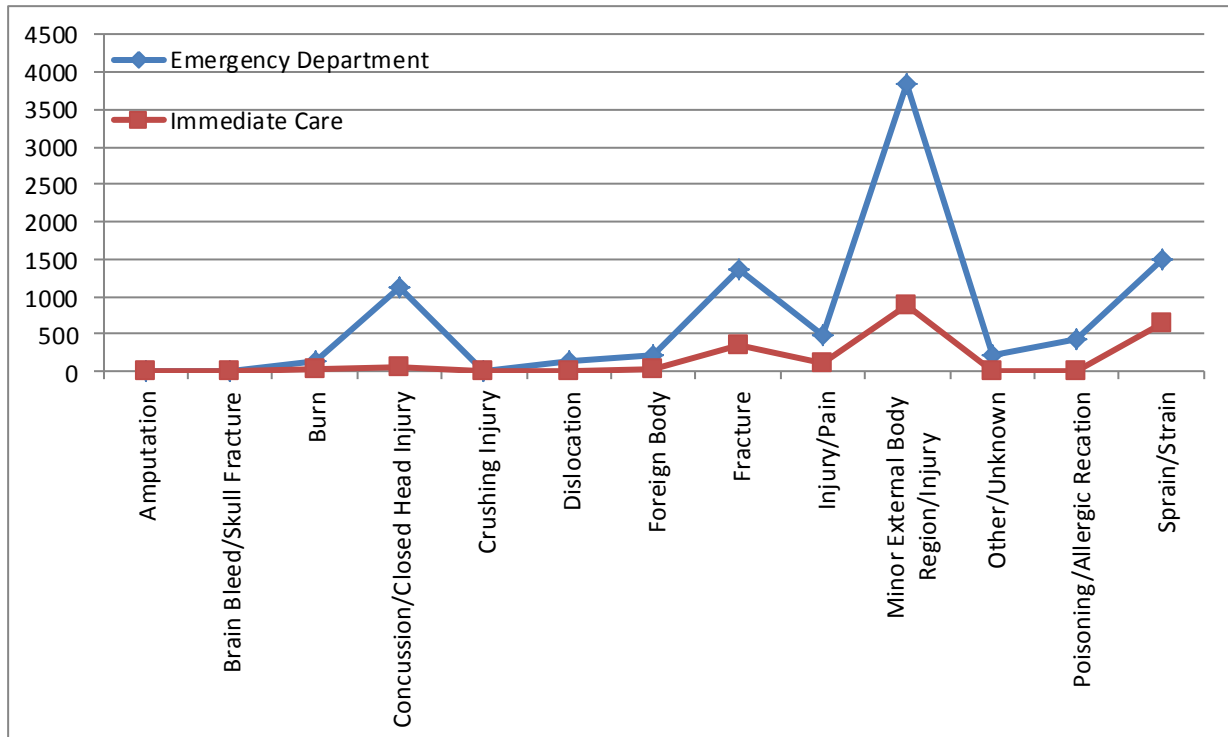


CAUSE OF INJURY

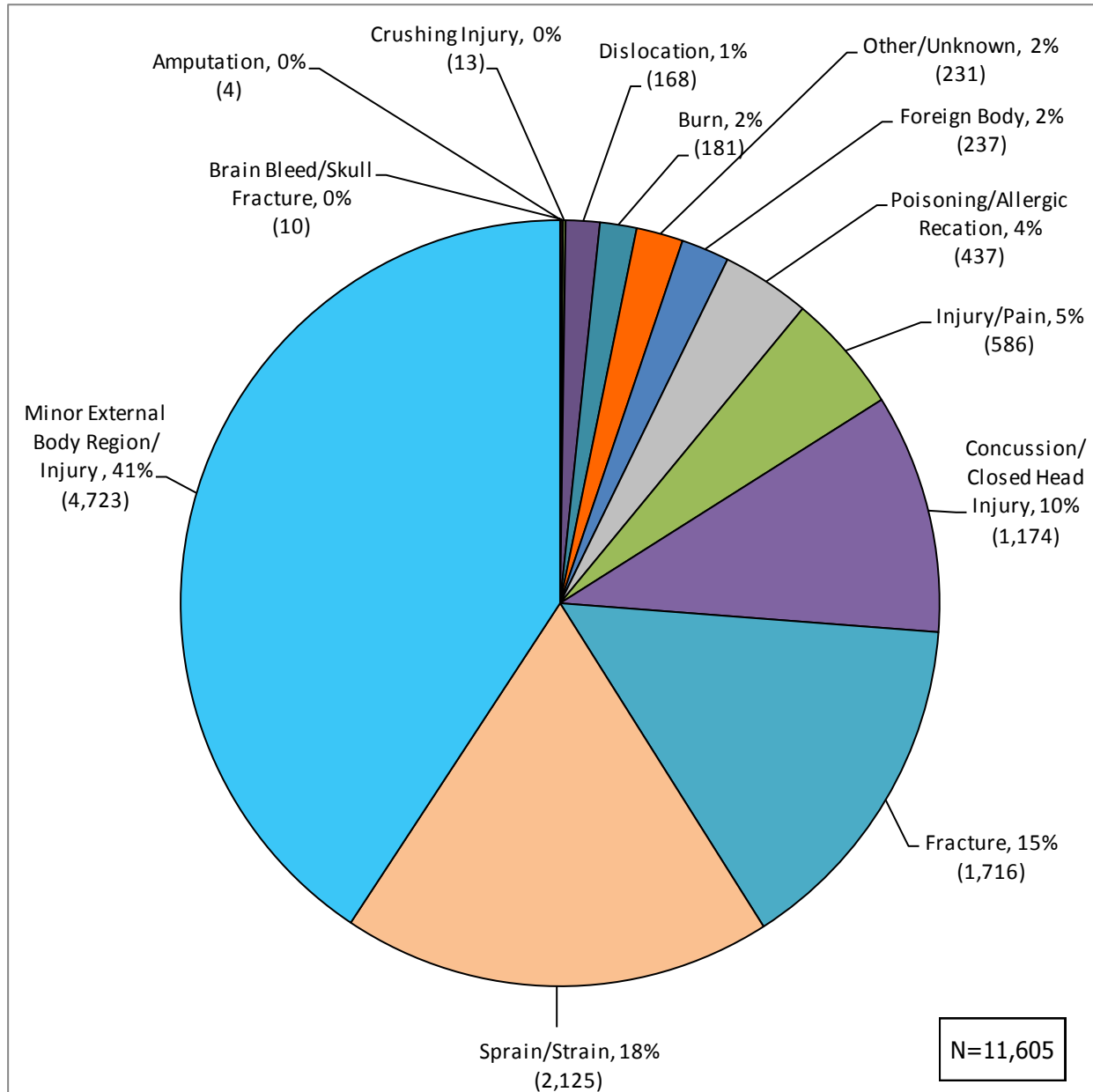


SEVERITY OF INJURY

For childhood injuries seen at either the ED or IC, the majority were treated for a minor external body region injury (cuts, scrapes and bruises). There were similarities in those treated in the ED and the IC.



SEVERITY OF INJURY

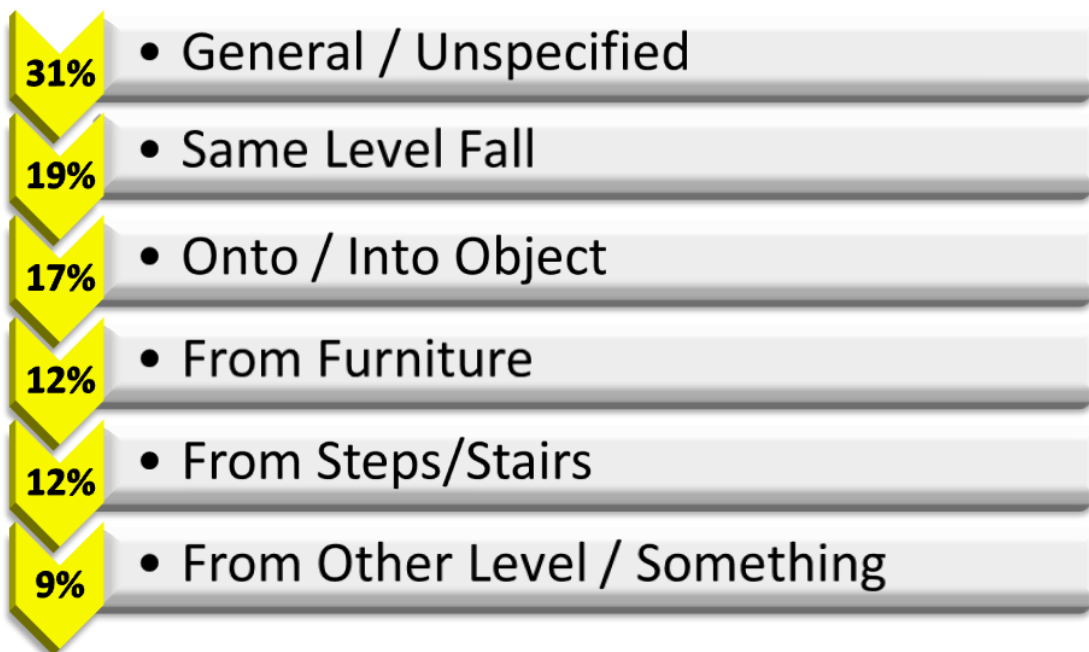
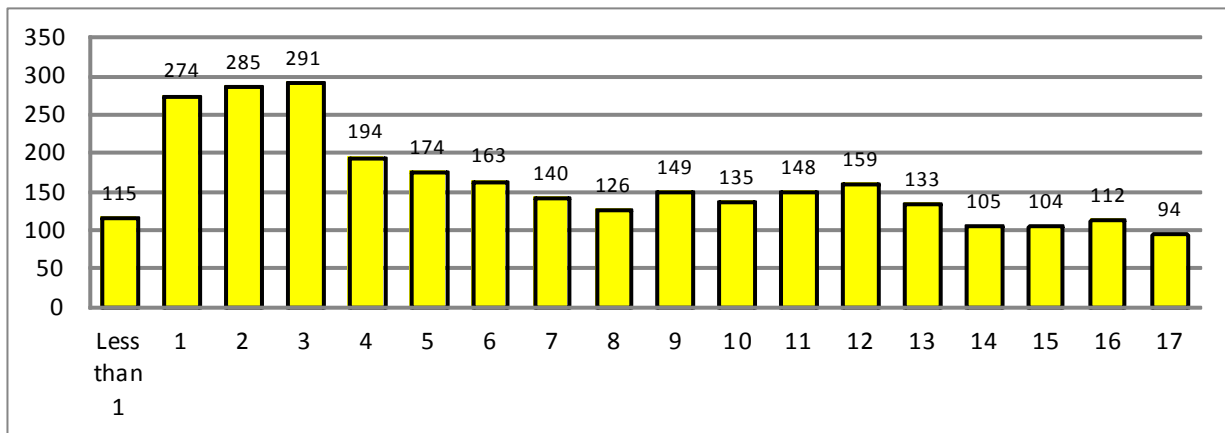


1 - FALLS

Falls were the leading cause of injury. There were 2,901 children treated for this injury, accounting for 24.9% of the visits.

Facts:

- 86.1% were treated at the Hospital ED
- 10.6% occurred in May
- 55.6% patients treated were male
- 95.7% were discharged from the ED/IC
- 42.2% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

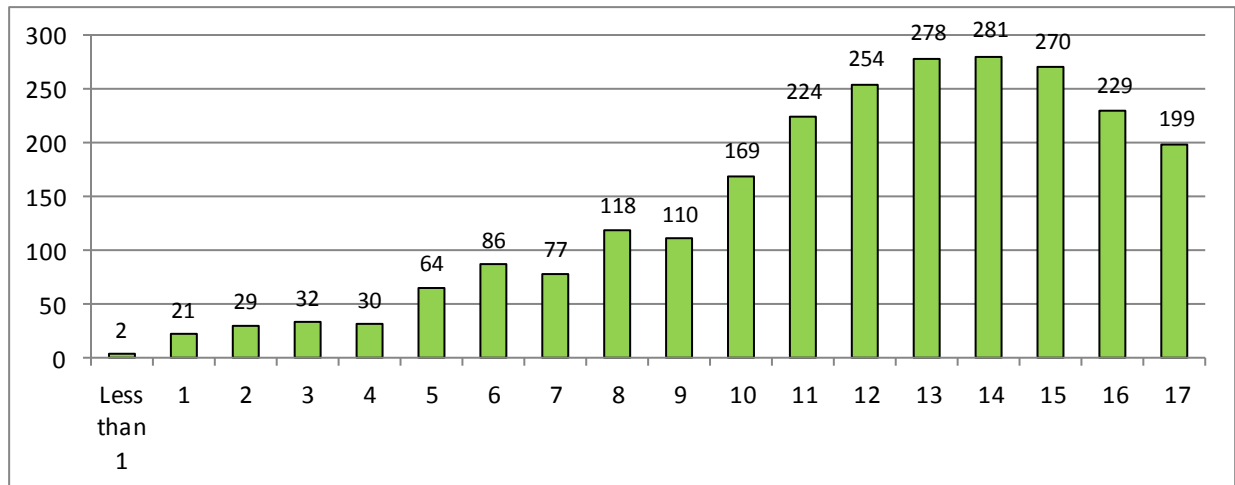


2 - SPORTS & RECREATION

Sports & Recreation was the second leading cause of injury. There were 2,473 children treated for this injury, accounting for 21.3% of the visits.

Facts:

- 72.1% were treated at the Hospital ED
- 15.3% occurred in September
- 65.7% patients treated were male
- 96.3% were discharged from the ED/IC
- 31% resulted in a Sprain/Strain

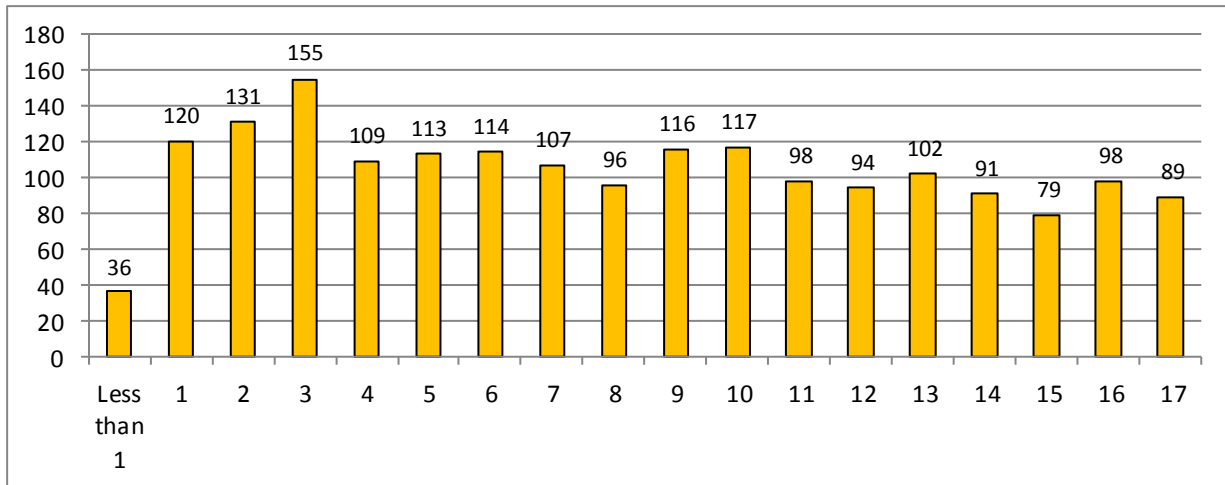


3 - STRUCK BY / STRIKING OBJECT

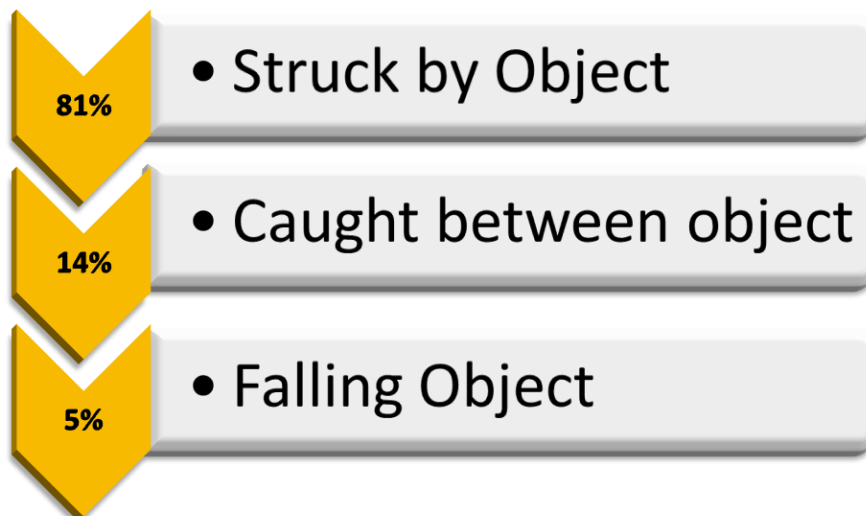
Struck by / Striking Object was the third leading cause of injury. There were 1,865 children treated for this injury, accounting for 16% of the visits.

Facts:

- 75.1% were treated at the Hospital ED
- 10.8% occurred in May
- 58% patients treated were male
- 98.4% were discharged from the ED/IC
- 61.3% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)



Common struck by/striking injuries include, but are not limited to: furniture tip overs and fingers slammed in doors.

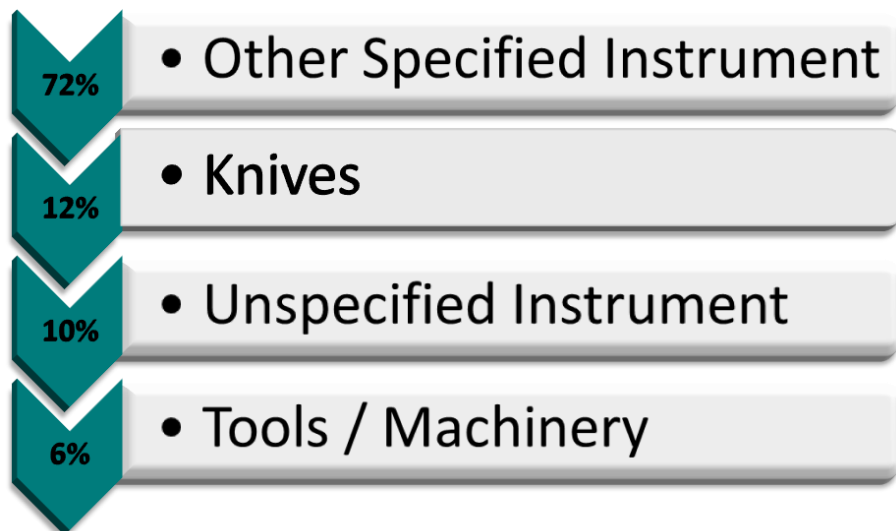
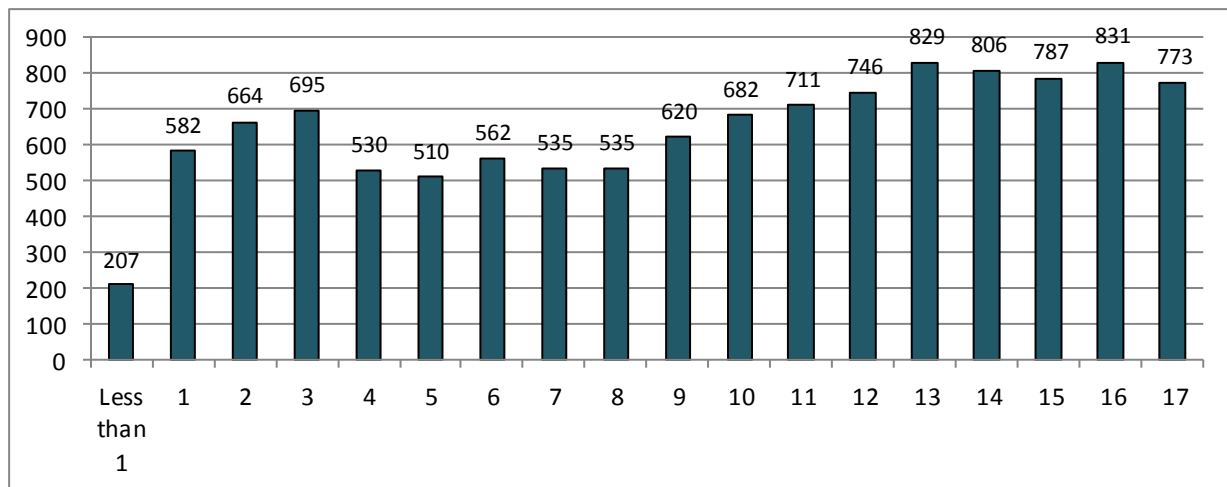


4 - CUT BY SHARP OBJECT

Cut by Sharp Object was the forth leading cause of injury. There were 696 children treated for this injury, accounting for 5.9% of the visits.

Facts:

- 83.1% were treated at the Hospital ED
- 15.3% occurred in July
- 64.3% patients treated were male
- 96.6% were discharged from the ED/IC
- 94.6% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

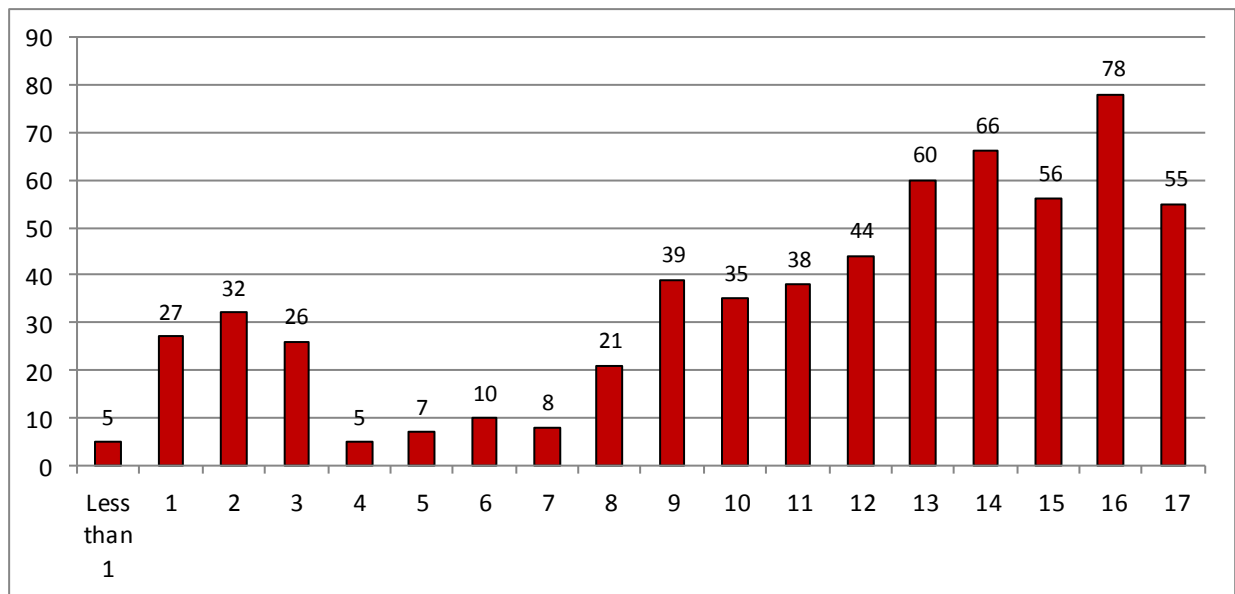


5 - OVEREXERTION & STRENUOUS MOVEMENTS

Overexertion & Strenuous Movements was the fifth leading cause of injury. There were 612 children treated this related injury, accounting for 5.2% of the visits.

Facts:

- 79.5% were treated at the Hospital ED
- 11.4% occurred in April
- 60.7% patients treated were female
- 99.8% were discharged from the ED/IC
- 65.8% resulted in a Sprain/Strain



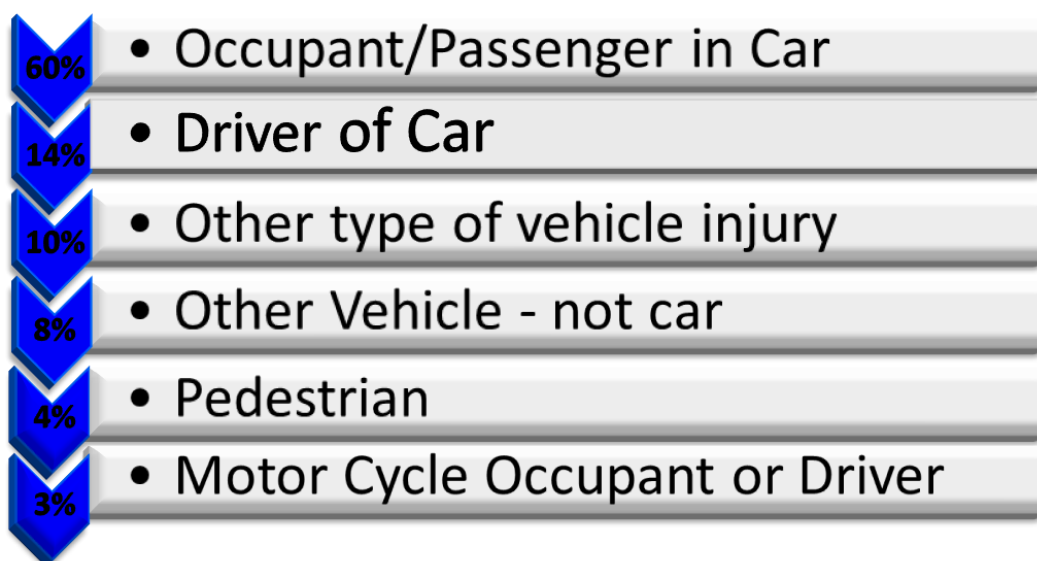
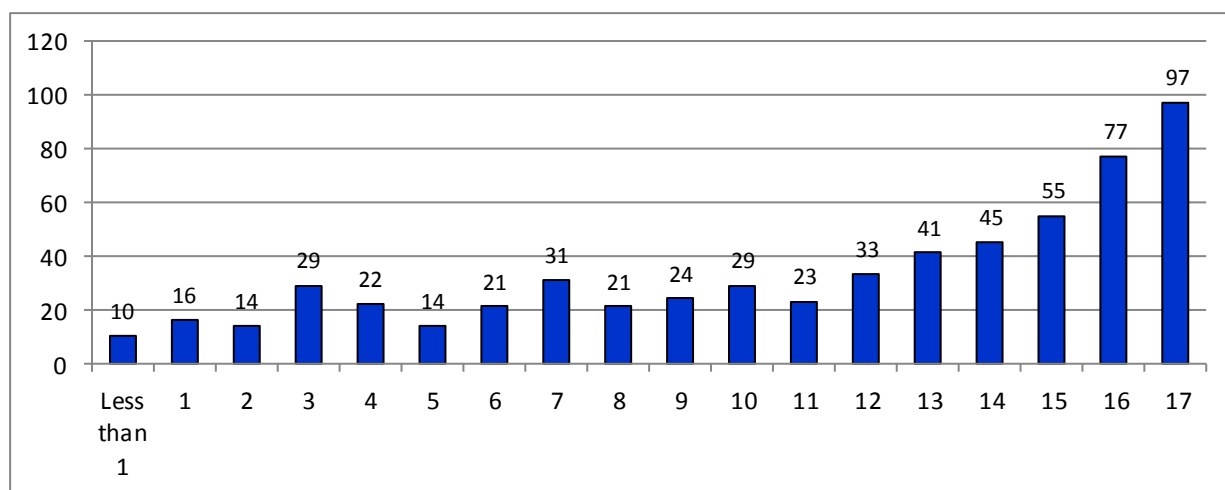
An Overexertion & Strenuous Movement Injury includes a type of injury where the body is stressed beyond normal capabilities causing injury. Common injuries include, but are not limited to: sprains and strains not in sports or due to another cause or "sleeping" wrong.

6 - VEHICLE RELATED

Vehicle Related was the sixth leading cause of injury. There were 602 children treated for this injury, accounting for 4.9% of the visits.

Facts:

- 92.8% were treated at the Hospital ED
- 12.4% occurred in August
- 51.4% patients treated were female
- 94.0% were discharged from the ED/IC
- 31.8% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

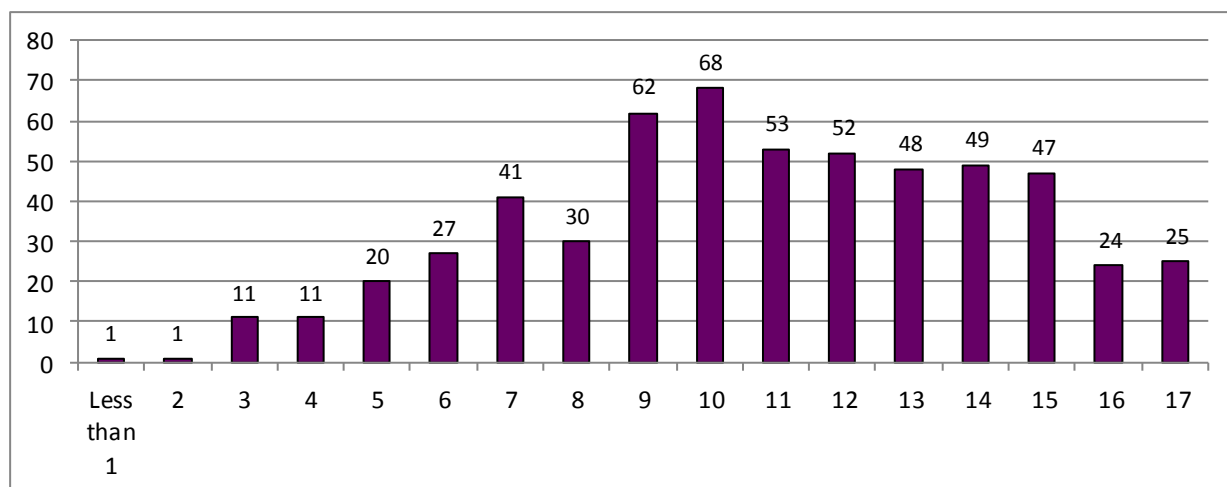


7 - WHEELED SPORTS

Wheeled Sports was the seventh leading cause of injury. There were 570 children treated for this injury, accounting for 4.9% of the visits.

Facts:

- 79.8% were treated at the Hospital ED
- 19.6% occurred in August
- 65.4% patients treated were male
- 93.5% were discharged from the ED/IC
- 42.9% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

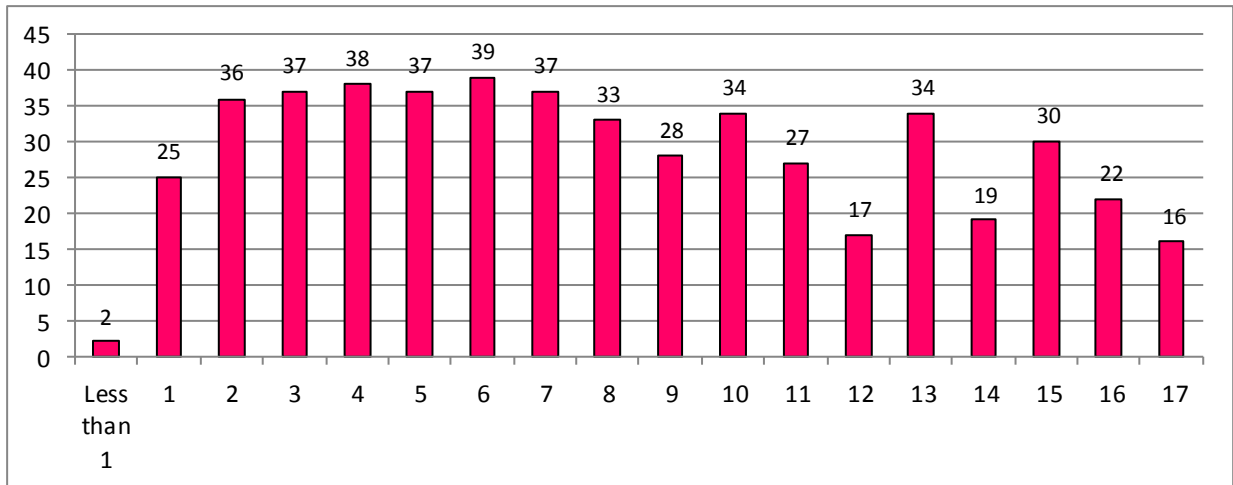


8 - ANIMAL RELATED

Animal Related was the eighth leading cause of injury. There were 511 children treated for this injury, accounting for 4.4% of the visits.

Facts:

- 86.1% were treated at the Hospital ED
- 14.8% occurred in August
- 51.4% patients treated were male
- 96.6% were discharged from the ED/IC
- 62.6% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

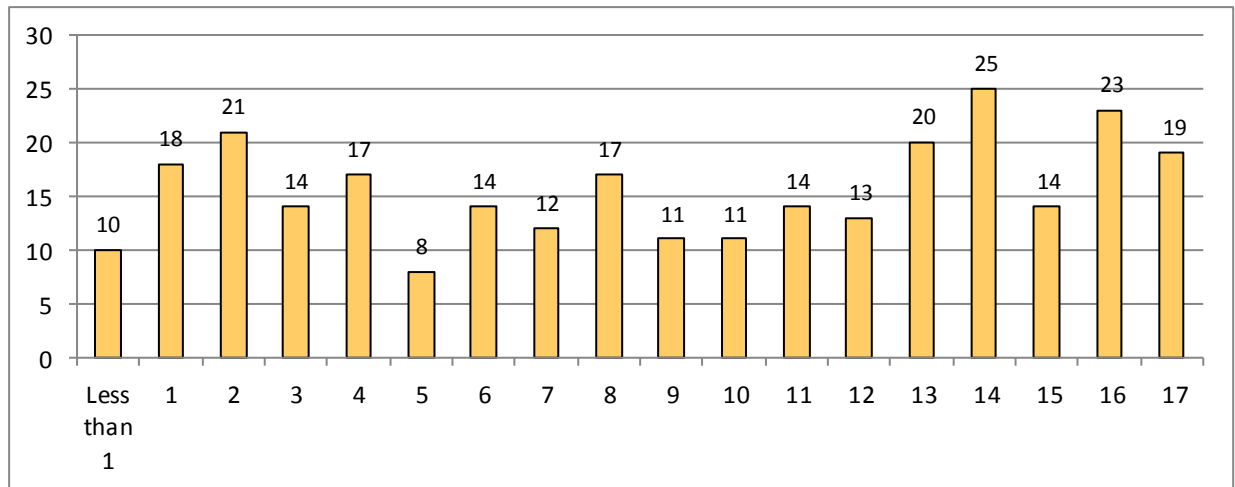


9 - Generic Accident

Poisoning was the ninth leading cause of injury. There were 281 children treated for this, accounting for 2.4% of the visits.

Facts:

- 95.3% were treated at the Hospital ED
- 10.3% occurred in April and July
- 59.7% patients treated were male
- 89.6% were discharged from the ED/IC
- 30.2% resulted in a Sprain/Strain



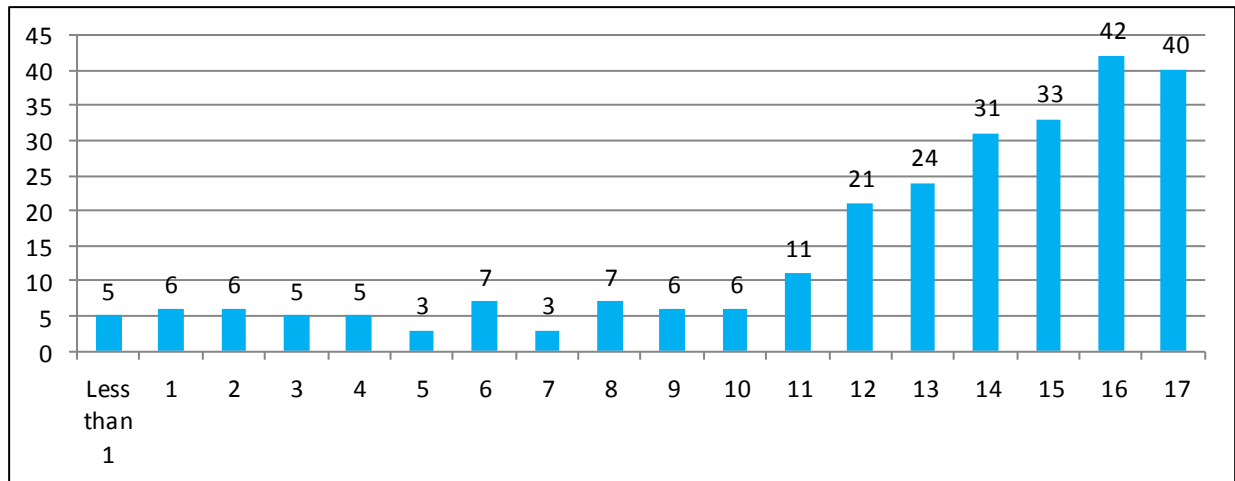
A generic accident includes anything that was otherwise unable to be classified. This could include an injury that was unidentified by the hospital, or so abstract it was unable to be placed in another category.

10 - Physical Harm

Physical Harm was the tenth leading cause of injury. There were 261 children treated for this injury, accounting for 2% of the visits.

Facts:

- 91.1% were treated at the Hospital ED
- 10.7% occurred in May
- 57.1% patients treated were male
- 85.8% were discharged from the ED/IC
- 849.0% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)



This is the number of injuries reported by the hospitals and immediate care facilities, resulting from physical harm. This does not reflect the total number of abuse and neglect reports or open cases in Stark County.

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	NUMBER OF INJURIES
Foreign Body	238
Poisoning	232
Burns & Fire Related	171
Attempted Suicide	162
Fire Arm	17
Weather Related	6
Choking / Suffocation	4
Water Related	3
TOTAL OTHER INJURIES	833



LEADING CAUSE OF INJURY BY AGE

AGE	TOTAL NUMBER	LEADING CAUSE	SECOND LEADING CAUSE	THIRD LEADING CAUSE	FOURTH LEADING CAUSE	FIFTH LEADING CAUSE
LESS THAN 1	207	Falls 56% (115)	Struck by/Striking 17.4% (36)	Vehicle Related, Generic Accident and Burns & Fire Related 4.8% (10)	Foreign Body 3.3% (7)	Physical Harm and Overexertion 2.4% (5)
1	582	Falls 47% (274)	Struck by/Striking 20.6% (120)	Overexertion 4.6% (27)	Animal Related 4.2% (25)	Cut by Sharp Object 3.9% (23)
2	664	Falls 42.9% (285)	Struck by/Striking 19% (131)	Animal Related 5.4% (36)	Cut By Sharp Object 4.9% (33)	Overexertion and Foreign Body 4.8% (32)
3	695	Falls 41.9% (291)	Struck by/Striking 22% (155)	Animal Related 5.3% (37)	Cut By Sharp Object 5.1% (36)	Foreign Body 4.7% (33)
4	530	Falls 36.6% (194)	Struck by/Striking 21% (109)	Cut By Sharp Object 7.1% (38)	Sports & Recreation 56% (30)	Vehicle Related 4.1% (22)
5	510	Falls 34.1% (174)	Struck by/Striking 22% (113)	Sports & Recreation 13% (64)	Animal Related 7.2% (37)	Cut By Sharp Object 7.0% (36)
6	562	Falls 29.0% (163)	Struck by/Striking 20% (114)	Sports & Recreation 15% (86)	Animal Related 6.9% (39)	Wheeled Sports 4.8% (27)
7	535	Falls 26.2% (140)	Struck by/Striking 20% (107)	Sports & Recreation 14% (77)	Wheeled Sports 7.6% (41)	Cut By Sharp Object 7.1% (38)
8	535	Falls 23.6% (126)	Sports & Recreation 22% (118)	Struck by/ Striking 17% (96)	Cut By Sharp Object 7.8% (42)	Animal Related 6.1% (33)
9	620	Falls 24.0% (149)	Struck by/ Striking 18% (116)	Sports & Recreation 17% (110)	Wheeled Sports 10% (62)	Overexertion 6.2 (39)

LEADING CAUSE OF INJURY BY AGE

AGE	TOTAL NUMBER	LEADING CAUSE	SECOND LEADING CAUSE	THIRD LEADING CAUSE	FOURTH LEADING CAUSE	FIFTH LEADING CAUSE
10	682	Sports & Recreation 25% (169)	Falls 20% (135)	Struck by/Striking 17% (117)	Wheeled Sports 9.9% (68)	Cut by Sharp Object 7% (48)
11	711	Sports & Recreation 32% (224)	Falls 21% (148)	Struck by/Striking 14% (98)	Wheeled Sports 7.5% (53)	Cut by Sharp Object 6.3% (45)
12	746	Sports & Recreation 34% (254)	Falls 21% (159)	Struck by/Striking 13% (94)	Wheeled Sports 6.4% (55)	Overexertion 5.5% (47)
13	829	Sports & Recreation 32.5% (299)	Falls 16.4% (131)	Struck by/Striking 11.9% (110)	Overexertion 8.2% (76)	Wheeled Sports 5.9% (55)
14	806	Sports & Recreation 33.3% (306)	Falls 12.7% (117)	Struck by/Striking 11.7% (108)	Overexertion 9.6% (72)	Vehicle Related 5.9% (55)
15	787	Sports & Recreation 33.7% (290)	Falls 13.6% (117)	Struck by/Striking 10.2% (88)	Overexertion 7.3% (63)	Vehicle Related 6.9% (60)
16	831	Sports & Recreation 27.4 (258)	Falls 13.2% (125)	Struck by/Striking 11.9% (112)	Overexertion 9.4% (89)	Vehicle Related 8.5% (80)
17	773	Sports & Recreation 26.5% (227)	Vehicle Related 12.7% (109)	Falls 21.1% (104)	Struck by/Striking 10.7% (92)	Cut by Sharp Object 7.8% (67)

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER	LEADING CAUSE	SECOND LEADING CAUSE	THIRD LEADING CAUSE	FOURTH LEADING CAUSE	FIFTH LEADING CAUSE
44601	2,728	Falls 25.4% (693)	Struck by/Striking 16.2% (442)	Sports & Recreation 15.8% (433)	Cut By Sharp Object 7.0% (191)	Animal 6.3% (174)
44608	52	Sports & Recreation 30.7% (16)	Falls 19..2% (10)	Struck by/Striking 15.3% (8)	Poisoning 9.6% (5)	Vehicle Related 7.6% (4)
44613	52	Falls 30.7% (16)	Sports & Recreation 28.8% (15)	Struck by/Striking and Cut by Sharp Object 11.5% (6)	Wheeled Sports 7.6% (4)	Poisoning 5.7% (3)
44614	242	Sports & Recreation 25.2% (61)	Falls 23.1% (56)	Struck by/Striking 15.7% (38)	Animal Related and Vehicle Related 5.3% (13)	Cut By Sharp Object 4.9% (12)
44626	101	Sports & Recreation 28.7% (29)	Falls 18.8% (19)	Struck by/Striking 14.8% (15)	Wheeled Sports 8.9% (9)	Overexertion 7.9% (8)
44630	6	Sports and Sports & Falls 33.3% (2)	Wheeled Sports & Animal Related 16.6% (1)	_____	_____	_____
44632	172	Sports & Recreation 27.9% (48)	Falls 25.5% (44)	Struck by/Striking 15.6% (27)	Overexertion 8.7% (15)	Vehicle, Generic Accident and Cut By Sharp Object 4.0% (7)
44641	493	Sports & Recreation 27.1% (134)	Falls 24.7% (122)	Struck by/Striking 16.2% (80)	Wheeled Sports 6.0% (30)	Vehicle Related 5.6% (28)
44643	75	Sports & Recreation 2.4% (18)	Falls 21.3% (16)	Struck by/Striking 18.6% (14)	Wheeled Sports 13.3% (10)	Vehicle Related and Foreign Body 5.3% (4)
44646	1,642	Falls 25.1% (396)	Sports & Recreation 21.8% (359)	Struck by/Striking 16.7% (275)	Wheeled Sports 6.5% (107)	Overexertion 5.0% (83)
44647	553	Sports & Recreation 26.2% (145)	Falls 22.7% (126)	Struck by/Striking 15.9% (88)	Overexertion 6.6% (37)	Vehicle Related and Generic Accident 5.0% (28)
44648	4	Falls 75.0% (3)	Attempted Suicide 25.0% (1)	_____	_____	_____

LEADING CAUSE OF INJURY BY ZIP CODE

	TOTAL NUMBER	LEADING CAUSE	SECOND LEADING CAUSE	THIRD LEADING CAUSE	FOURTH LEADING CAUSE	FIFTH LEADING CAUSE
44650	2	Falls and Struck by/ Striking 50% (1)	_____	_____	_____	_____
44652	3	Wheeled Sports 66.6% (2)	Struck by/ Striking 33.3% (1)	_____	_____	_____
44657	319	Sports & Recreation 24.4% (78)	Falls 22.2% (71)	Overexertion 10.6% (34)	Struck by Striking 8.1% (26)	Vehicle Related 7.8% (25)
44662	245	Sports & Recreation 36.7% (90)	Falls 22.8% (56)	Struck by/Striking 13.4% (33)	Cut By Sharp Object and Wheeled Sports 4.0% (10)	Animal Related 3.6% (9)
44666	72	Sports & Recreation 25.0% (18)	Falls 16.6% (12)	Struck by/Striking 15.2% (11)	Cut By Sharp Object 11.1% (8)	Vehicle Related 9.7% (7)
44669	64	Falls 31.2 (20)	Sports & Recreation 23.4% (15)	Struck by/Striking 15.6% (10)	Animal Related & Cut by Sharp Object 6.2% (4)	Vehicle Related 4.6% (3)
44670	17	Sports & Recreation 35.2% (6)	Falls and Struck by/ Striking 23.5% (4)	Overexertion 11.7% (2)	Cut By Sharp Object 5.8% (1)	_____
44685	351	Sports & Recreation 36.4% (128)	Falls 24.5% (86)	Struck by/Striking 14.5% (51)	Cut By Sharp Object 4.8% (17)	Wheeled Sports 3.9% (14)
44688	125	Sports & Recreation 21.6% (27)	Falls 19.2% (24)	Struck by/Striking 16.8% (21)	Overexertion and Cut By Sharp Object 8.8% (11)	Wheeled Sports 8.0% (10)
44689	8	Sports & Recreation 50.0% (4)	Struck by/Striking 37.5% (3)	Wheeled Sports 12.5% (1)	_____	_____
44701	7	Sports & Recreation and Struck by/Striking 28.5% (2)	Wheeled Sports, Falls and Animal Related 14.2% (1)	_____	_____	_____
44702	30	Generic Accident & Attempted Suicide 13.3% (4)	Physical Harm 10.0% (3)	Wheeled Sports, Burns& Fire Related, Sports & Recreation and Overexertion 6.6% (2)	Vehicle Related, Animal Related and Cut By Sharp Object 3.3% (1)	_____

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER	LEADING CAUSE	SECOND LEADING CAUSE	THIRD LEADING CAUSE	FOURTH LEADING CAUSE	FIFTH LEADING CAUSE
44703	399	Falls 27.0% (108)	Sports & Recreation 18.2% (73)	Struck by/Striking 15.7% (63)	Physical Harm 6.0 (24)	Vehicle Related and Cut By Sharp Object 5.5% (22)
44704	171	Falls 28.0% (48)	Sports & Recreation 16.9% (29)	Struck by/ Striking 15.7% (27)	Vehicle Related 7.6% (13)	Cut By Sharp Object 7.0% (12)
44705	783	Falls 26.4% (207)	Struck by/Striking 18.0% (141)	Sports & Recreation 14.4% (113)	Vehicle Related 7.2% (57)	Wheeled Sports 6.0% (47)
44706	757	Falls 25.4% (193)	Struck by/Striking 17.8% (135)	Overexertion 6.6% (50)	Wheeled Sports 5.8% (44)	Cut By Sharp Object 5.6% (43)
44707	462	Falls 26.1% (121)	Sports & Recreation 18.1% (84)	Struck by/Striking 14.2% (66)	Cut By Sharp Object 8.2% (38)	Wheeled Sports, Animal Related, Overexertion and Vehicle Related 4.9% (23)
44708	713	Falls 23.9% (171)	Sports & Recreation 21.0% (150)	Struck by/Striking 15.2% (109)	Overexertion 7.1% (51)	Vehicle Related 4.4% (32)
44709	343	Falls 29.4% (101)	Sports & Recreation 20.4% (70)	Struck by/Striking 19.5% (67)	Vehicle Related 7.8% (27)	Wheeled Sports 4.0% (14)
44710	446	Falls 28.2% (126)	Struck by/Striking 16.7% (72)	Sports & Recreation 13.2% (59)	Cut By Sharp Object 6.7% (30)	Wheeled Sports 6.5% (29)
44714	270	Falls 27.0% (73)	Sports & Recreation 17.7% (48)	Struck by/Striking 17.0% (46)	Cut By Sharp Object 10.0% (27)	Vehicle Related 5.1% (14)
44718	196	Sports & Recreation 27.5% (54)	Falls 25.0% (49)	Struck by/Striking 14.2% (28)	Overexertion 10.2% (20)	Vehicle Related 5.6% (11)
44720	629	Sports & Recreation 26.2% (165)	Falls 24.6% (155)	Struck by/Striking 17.9% (113)	Cut By Sharp Object 6.6% (42)	Overexertion 5.2% (33)
44721	227	Falls 29.0% (66)	Sports & Recreation 24.6% (56)	Struck by/Striking 15.4% (35)	Cut By Sharp Object 7.4% (17)	Vehicle Related 4.4% (10)
44730	151	Sports & Recreation 30.4% (46)	Struck by Striking 15.2% (23)	Falls 13.2% (20)	Vehicle Related 8.6% (13)	Overexertion 6.6% (10)
44735	1	Falls 100% (1)	—	—	—	—

SIGNIFICANT FINDINGS

- In comparison to the other top ten leading causes of injury, those who were injured due to physical harm were more likely to either be admitted to the hospital or transferred to another facility rather than simply treated and discharged from the ED or IC. This may be due to more extensive follow up in order to provide the help needed to prevent future incidents of physical harm.
- Among the top ten leading causes of injury among children in Stark County, females were more likely to experience injuries from overexertion and strenuous movements and vehicle related injuries than males were.
- The leading cause of injury among children ages 0-9 was Falls.
- The leading cause of injury among children ages 10-17 was Sports & Recreation.
- Poisoning was not in the top 10 causes of injury—which has not happened since the surveillance system began in 2005.

RECOMMENDATIONS

- Following the 2013 Childhood Injury Report, begin looking at trends for future programming efforts.
- It is recommended that dog/pet safety brochures be disseminated at the area pet stores or pet adoption locations in attempt to reduce the number of dog bites occurring among children each year. Animal injuries were number eight in the leading causes of injury and 46% of those were from dog bites.
- Bike safety initiatives should be implemented, providing safe riding demonstrations offered to the schools for children in 2-4 grade. As children become independent riders they need to be reminded about how to safely ride their bicycles even throughout the allotments in their own neighborhoods. These demonstrations could be quick during a lunch or gym period and do not necessarily need to be a separate assembly where the entire school is called together. Quick/fun reminders throughout the year may help prevent future bike accidents, the leading cause of wheeled sport injuries.

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 Inspections: Offers free car seat check ups throughout the county. Over 30 members are Certified Child Passenger Safety Technicians. Over 3,000 seats have been checked.
- Car Seat Fitting Stations: Coordinates free weekly fitting stations at 5 agencies and refers to additional locations that take appointments. Over 4,400 seats have been checked.

Fire Safety

- Instilling Positive Fire Safety Reaction: Fire Safety Video produced by the Coalition which educates on how to evacuate a burning building.
- Family Safety Education Trailer: Mobile classroom used by local fire departments to educate on fire safety, home hazards and weather safety. Approximately 12,600 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 2,500 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. Parent surveys are analyzed and results are provided to the school and community leaders. Over 8,500 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 9,00 children and caregivers have been reached by this program.

Sports Safety

- Provide free training to youth league coaches regarding injury prevention, recognition and treatment. Over 700 coaches have been reached by this program.
- Provide resources to youth leagues - such as first aid kits, clipboards and mouth guards.

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
safekids@starkhealth.org