

Childhood Injury Report

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

**8th Annual Report
January 1, 2010 - December 1, 2010**

Report Prepared By:

Safe Kids Stark County
Data & Research Committee



Stark County Health Department
Administration & Support Services



*2002-2009 Reports did not include Immediate Care
Facilities; 2002-2008 Reports included children under age 14

Funded by the Preventive Health and Health Services Block Grant from the Centers for Disease Control and Prevention (CDC) and administered by the Ohio Department of Health, Bureau of Health Promotion and Risk Reduction, Injury Prevention Program. Its contents are solely the responsibility of the Authors and do not necessarily represent the official views of CDC.

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This report includes E-Codes (etiology) data collected from Affinity Medical Center, Alliance Community Hospital, Aultman Hospital and Mercy Medical Center from January 1, 2010 through December 31, 2010. E-Codes permit the classification of environmental events, circumstances and conditions as the cause of the injury, poisoning and other adverse effects. The use of E-Codes together with the code identifying the injury or condition provides additional information of a particular concern to the industrial medicine, insurance carriers, national safety programs and public health agencies. External causes of injury and poisonings codes (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) and the place where the event occurred. E-Codes are never to be reported as a principal diagnosis.

The hospitals were asked to provide their E-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, top three E-Codes, emergency department disposition and facility (main campus or immediate/stat care) were reported for combined analysis. Reports prior to 2009 had fewer fields and only included children 14 and under.

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 282. Additional copies of this, and older reports, are available at www.starkhealth.org/safekids.

**PLEASE NOTE - PREVIOUS REPORTS DID NOT INCLUDE
IMMEDIATE CARE FACILITY DATA; THIS IS THE SECOND YEAR FOR INCLUDING
CHILDREN UP TO AGE 17 IN THE REPORT.**

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 to continue and expand the surveillance project.

The reports include: 2002 Pilot (6 months of data from 3 hospitals), 2003-2009 County Reports, 2007 Trend Report (3 years), 2007 and 2009 Sub Reports for the 44601 Zip Code.

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, 2010 through December 31, 2010. During that time 11,712 Stark County children, ages 17 and under, were treated in the four Stark County Emergency Departments (ED) and at the Immediate Care facilities in Stark County for an injury.

CHILDHOOD INJURIES

According to Safe Kids Worldwide, accidental injury kills one million children annually worldwide. Ninety-eight percent of these deaths occur in low-income countries, where injury is making significant gains on disease as the leading cause of death in young children. In the United States and most other industrialized nations, accidental injury has surpassed disease to become the number one cause of death among children ages 14 and under.

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 nearly 650 Safe Kids Coalitions, Safe Kids USA reports the accidental death rate dropped 43% from 1987 to 2004. They also report that in the last 20 years, the accidental injury rate has dropped over 45%.

In Stark County, injuries continue to be a problem—with over 11,000 children being treated each year. Previous reports ([available at www.starkhealth.org/safekids](http://www.starkhealth.org/safekids)) highlight the problem locally, however they did not include Immediate Care Facility data and prior to 2009 only included children up to age 14.

CHILDHOOD INJURIES - FACILITY COMPARISON

Total Number of Children Treated

Immediate Care Facilities	Hospital Emergency Department	Total
2,431	9,281	11,712

Children Treated By Month

	Immediate Care Facilities	Hospital Emergency Department	Total
January	104	676	780
February	83	607	690
March	94	818	912
April	119	950	1069
May	92	1021	1113
June	71	969	1040
July	42	1010	1052
August	69	1122	1191
September	524	762	1286
October	434	572	1006
November	400	436	836
December	499	338	737

Children Treated By Gender

	Immediate Care Facilities	Hospital Emergency Department	Total
Male	1393	5365	6758
Female	1038	3916	4954

CHILDHOOD INJURIES - FACILITY COMPARISON

Children Treated By Zip Code

Resident Zip Code	Immediate Care Facility	Hospital Emergency Department	Total
44601	18	1761	1779
44608	22	39	61
44613	18	43	61
44614	44	129	173
44626	25	70	95
44630	1	6	7
44632	27	58	85
44641	103	384	487
44643	26	87	113
44646	453	1199	1652
44647	129	453	582
44648	0	3	3
44650	0	5	5
44652	0	1	1
44567	43	314	357
44662	68	198	266
44666	14	55	69
44669	5	42	47
44670	0	6	6
44685	73	57	130
44688	32	71	103
44689	5	10	15
44701	2	7	9
44702	3	23	26
44703	37	342	379
44704	20	142	162
44705	125	730	855
44706	117	620	737
44707	69	368	437
44708	129	596	725
44709	152	275	427
44710	48	376	424
44714	46	190	236
44718	98	101	199
44720	337	259	596
44721	122	143	265
44730	20	117	137
44735	0	1	1

CHILDHOOD INJURIES - FACILITY COMPARISON

Children Treated By Age

	Immediate Care Facilities	Hospital Emergency Department	Total
Less than 1	22	314	336
1	88	690	778
2	103	669	772
3	88	523	611
4	82	450	532
5	94	354	448
6	91	343	434
7	83	363	446
8	120	391	511
9	150	453	603
10	177	507	684
11	174	519	693
12	195	547	742
13	201	615	816
14	232	646	878
15	202	591	793
16	167	652	819
17	162	654	816

Children Treated By Race

	Immediate Care Facilities	Hospital Emergency Department	Total
African American	162	1128	1290
Caucasian	2227	5809	8036
Hispanic/Latino	0	28	28
Other	33	240	273
Unknown*	9	2076	2085

*If race is unknown, it was not provided by the hospital.

CHILDHOOD INJURIES - FACILITY COMPARISON

Children Treated By Type of Injury

	Immediate Care Facilities	Hospital Emergency Department	Total
Animal Related	57	423	480
Attempted Suicide (Previously Suicide)	0	39	39
Burns - Not Fire Related	22	122	144
Choking / Suffocation	0	0	0
Cut By Sharp Object	156	603	759
Falls	434	2623	3057
Fire Arm	0	13	13
Fire Related	2	15	17
Foreign Body	2	168	170
Generic Accident	70	133	203
Human Bite	0	7	7
Machinery	3	18	21
Overexertion & Strenuous Movements	244	578	822
Physical Harm (Previously Abuse, Assault, Neglect)	17	209	226
Poisoning	21	203	224
Struck By / Striking Object	513	1369	1882
Sports & Recreation	716	1653	2369
Vehicle Related (Previously Motor Vehicle Related)	52	627	679
Water Related	1	2	3
Weather	0	4	4
Wheeled Sports	121	472	593
TOTAL	2,431	9,281	11,712

DEMOGRAPHIC ANALYSIS - IMMEDIATE CARE

September, December & October were busiest months, respectively

14, 15 and 13 year olds treated most often, respectively

Gender

-57.3% were male; 42.7% were female

Race

-6.7% African American

-91.6% Caucasian

-1.4% Other

-less than 1% Unknowns

Leading Zip Codes (Raw Numbers)

-44646, 44720, 44709

Leading Zip Codes (Rate of Injury)

-44709, 44646, 44721

Leading Cause of Injury

-Sports & Recreation, Struck By/Striking Object, Falls

DEMOGRAPHIC ANALYSIS - HOSPITAL ED

August, May & July were busiest months, respectively

1, 2 and 17 year olds treated most often, respectively

Gender

-57.8% were male; 42.2% were female

Race

-12.2% African American

-62.6% Caucasian

-less than 1% Hispanic/Latino

-2.6% Other

-22.4% unknown

Leading Zip Codes (Raw Number)

-44601, 44646, 44705

Leading Zip Codes (Rate of Injury)

-44601, 44702, 44670

Leading Cause of Injury

-Falls, Sports & Recreation, Struck By/Striking Object

DEMOGRAPHIC ANALYSIS - COMBINED DATA

11,712 total patients

- 79.2% treated @ Hospital Emergency Departments

- 20.8% treated @ Immediate Care Facilities

September, August & May were busiest months, respectively

14, 16, 13 and 17 year olds treated most often, respectively

Gender

- 57.7% were male

- 42.3% were female

Race

- 11.0% African American

- 68.6% Caucasian

- less than 1% Hispanic/Latino

- 2.3% Other

- 17.8% unknown

Leading Zip Code (Raw Numbers)

- 44601, 44646, 44705

Leading Zip Codes (Rate of Injury)

- 44702, 44601, 44710

Leading Cause of Injury

- Falls, Sports & Recreation, Struck By/Striking Object

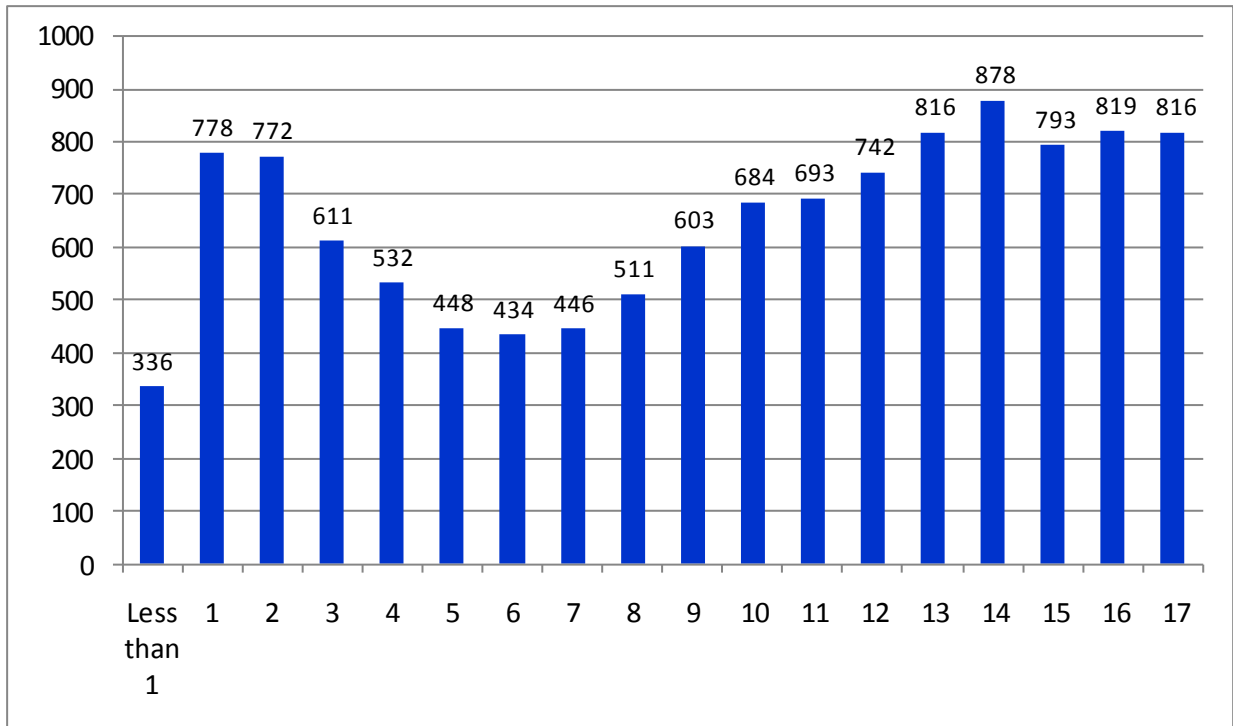
DEMOGRAPHIC INFORMATION - COMBINED DATA

AGE	# OF INJURIES	% OF TOTAL INJURIES	POPULATION*	RATE OF INJURY PER 1,000 POPULATION
LESS THAN 1	336	2.9%	4,679	71.8
1	778	6.6%	4,731	164.4
2	772	6.6%	4,826	160.0
3	611	5.2%	4,732	129.1
4	532	4.5%	5,109	104.1
5	448	3.8%	5,015	89.3
6	434	3.7%	5,048	86.0
7	446	4.8%	5,303	84.1
8	511	4.4%	5,406	94.5
9	603	5.1%	5,615	107.4
10	684	5.8%	5,629	121.5
11	693	5.9%	5,433	127.6
12	742	6.3%	5,326	139.3
13	816	7.0%	5,291	154.2
14	878	7.5%	5,517	159.1
15	793	6.8%	5,449	145.5
16	819	7.0%	5,241	156.3
17	816	7.0%	5,496	148.5
TOTAL	11,712	100%	93,846	124.8

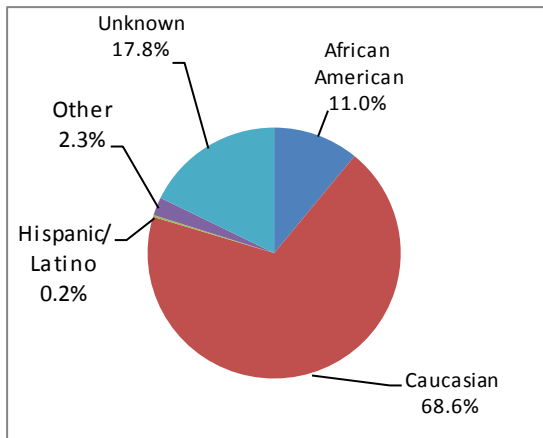
*SOURCE: 2000 CENSUS—includes only those residing in Stark County

DEMOGRAPHIC INFORMATION - COMBINED DATA

Number of Children Treated by Age



Children Treated by Race

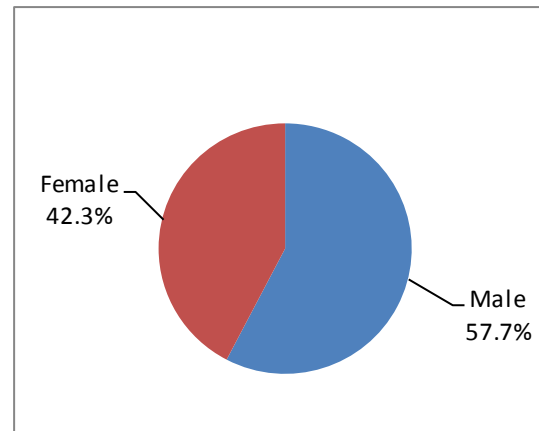


Stark County Population
Age 17 and Under
By Race

Caucasian: 85.5%
African American: 10.0%
Other (including multi-racial): 4.5%

Source: 2000 Census

Children Treated by Gender



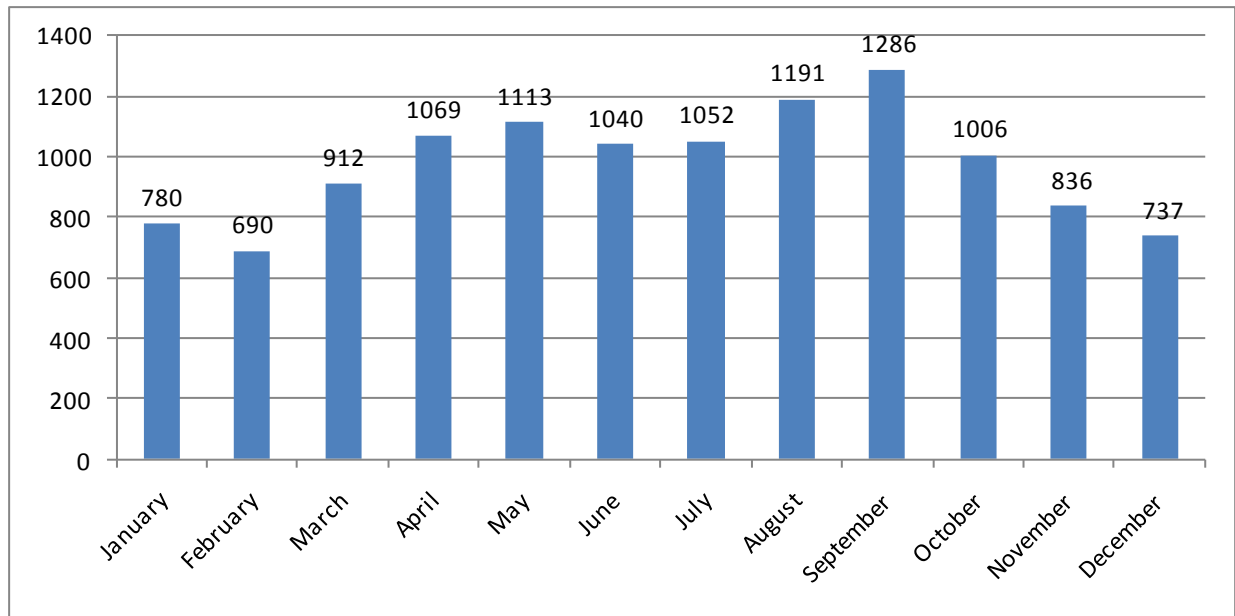
Stark County Population
Age 17 and Under
By Gender

Male: 51.4%
Female: 48.6%

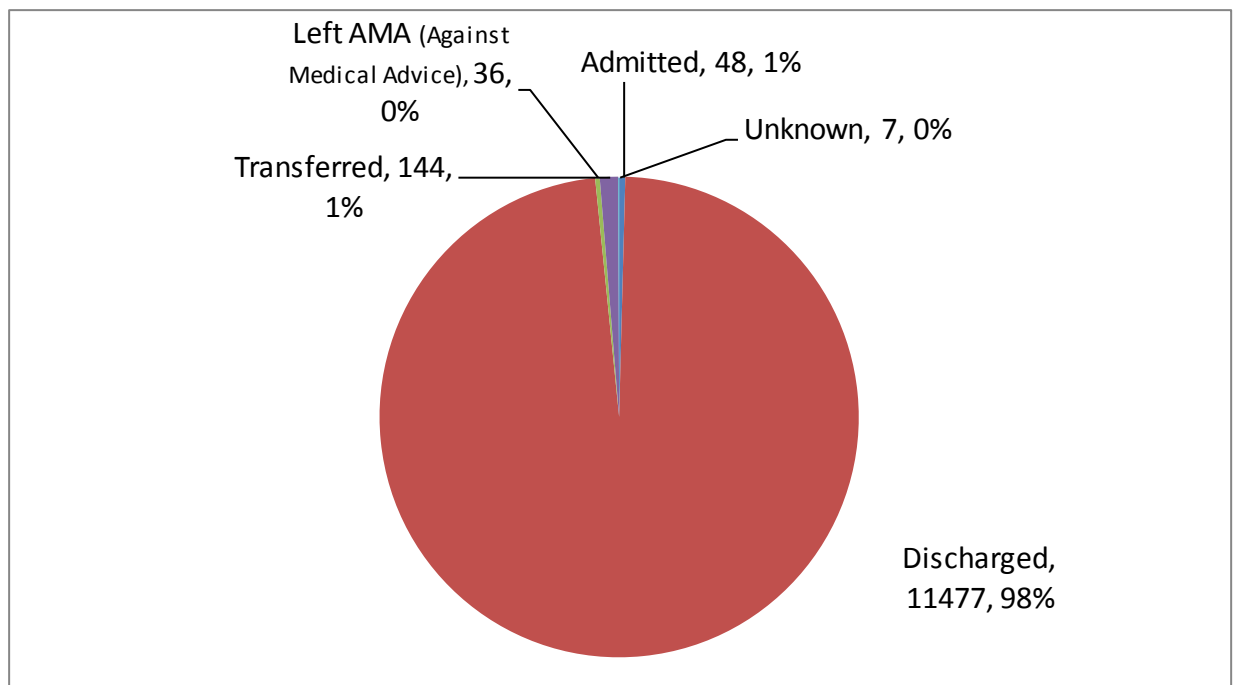
Source: 2000 Census

DEMOGRAPHIC INFORMATION - COMBINED DATA

Number of Children Treated By Month



Final Disposition / Outcome of Seeking Treatment



ZIP CODE INFORMATION - COMBINED DATA

TOTAL NUMBER OF INJURIES IN STARK COUNTY	COUNTY POPULATION (AGES 0-17)	COUNTY INJURY RATE PER 1,000 POPULATION
11,712	101,003	116.0

ZIP CODE	# OF INJURIES	POPULATION (Ages 0-17)	INJURY RATE PER 1,000 POPULATION	ZIP CODE	# OF INJURIES	POPULATION (Ages 0-17)	INJURY RATE PER 1,000 POPULATION
44601	1,779	8,885	200.2	44685	130	6,461	20.1
44608	61	657	92.8	44688	103	938	109.8
44613	61	618	98.7	44689	15	251	59.8
44614	173	3,167	54.6	44701	9	NA*	NA
44626	95	740	128.4	44702	26	124	209.7
44630	7	NA*	NA	44703	37	3,038	124.8
44632	85	2,657	32.0	44704	162	1,565	103.5
44641	487	4,994	97.5	44705	855	6,241	137.0
44643	113	800	141.3	44706	737	4,887	150.8
44646	1,652	11,517	143.4	44707	437	3,086	141.6
44647	582	4,133	140.8	44708	725	5,554	130.5
44648	3	NA*	NA	44709	427	3,755	113.7
44650	5	NA*	NA	44710	424	2,325	182.4
44652	1	NA*	NA	44714	236	1,965	120.1
44657	357	2,599	137.4	44718	199	2,824	70.5
44662	266	2,251	118.2	44720	596	9,124	65.3
44666	69	769	89.7	44721	265	3,136	84.5
44669	47	401	117.2	44730	137	1,505	91.0
44670	6	36	166.7	44735	1	NA*	NA

SOURCE: 2000 CENSUS—includes only those residing in Stark County

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

ZIP CODE INFORMATION - COMBINED DATA

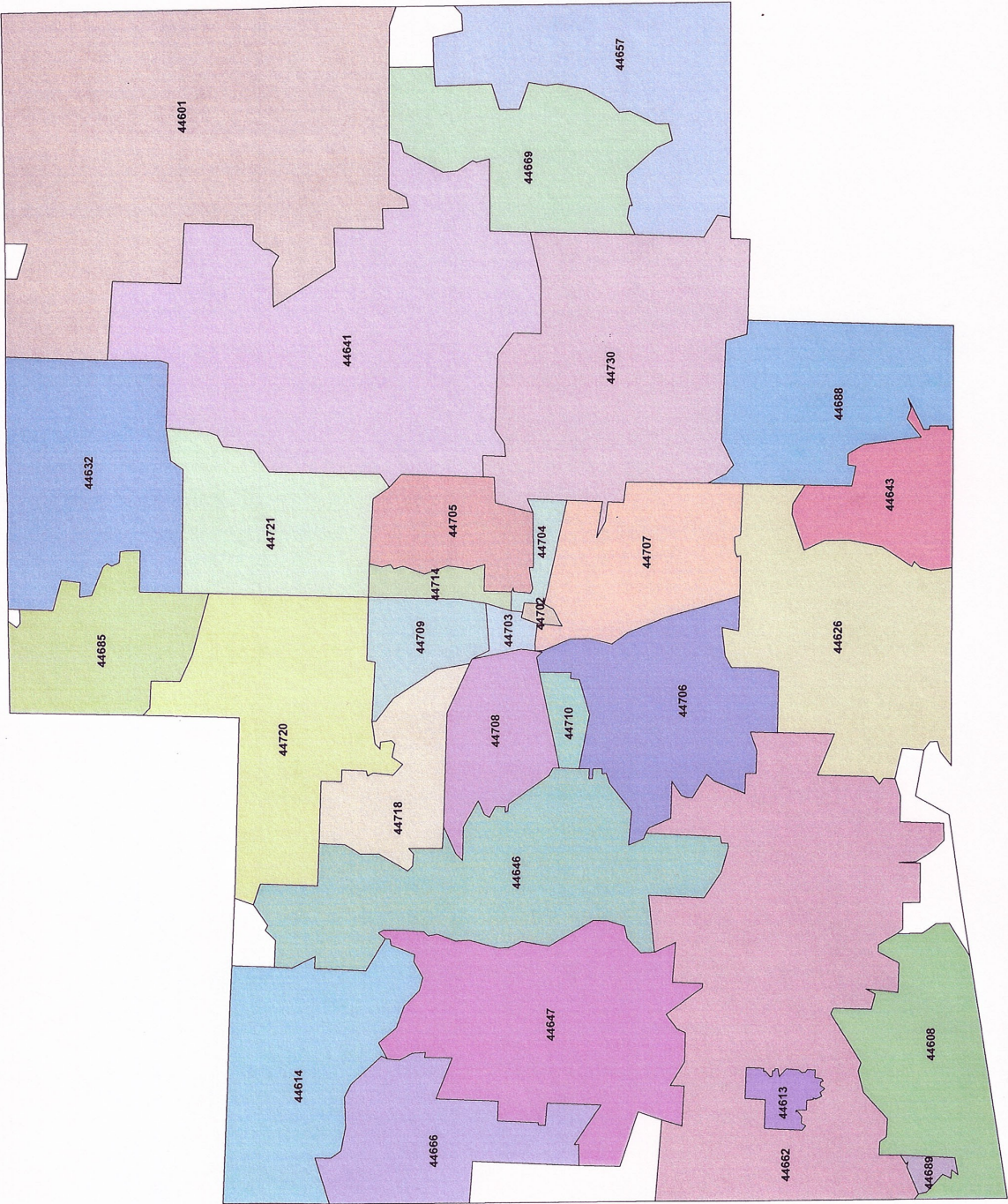
BY INJURY RATE (HIGHEST TO LOWEST)

44702 Canton City
44601 Alliance City, Lexington Twp., Marlboro Twp., Washington Twp.
44710 Canton City, Canton Twp., Perry Twp
44670 Minerva, Paris Twp., Robertsville
44706 Canton City, Canton Twp., East Sparta, Perry Twp
44646 Jackson Twp., Lawrence Twp., Massillon City, Perry Twp., Tuscarawas Twp
44707 Canton City, Canton Twp., North Industry, Waco
44643 East Sparta, Magnolia, Sandy Twp.
44647 Lawrence Twp., Massillon City, Tuscarawas Twp.
44657 Minerva, Paris Twp.

BY TOTAL NUMBER OF VISITS (HIGHEST TO LOWEST)

44601 Alliance City, Lexington Twp., Marlboro Twp., Washington Twp.
44646 Jackson Twp., Lawrence Twp., Massillon City, Perry Twp., Tuscarawas Twp
44705 Canton City, Plain Twp
44706 Canton City, Canton Twp., East Sparta, Perry Twp
44708 Canton City, Canton Twp., Hills & Dales Village, Jackson Twp., Perry 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
44709 Canton City, North Canton, Plain Twp

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

E-CODE HEADINGS

There are over 1,200 potential E-Codes used in hospital emergency departments. For the purposes 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 34.

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

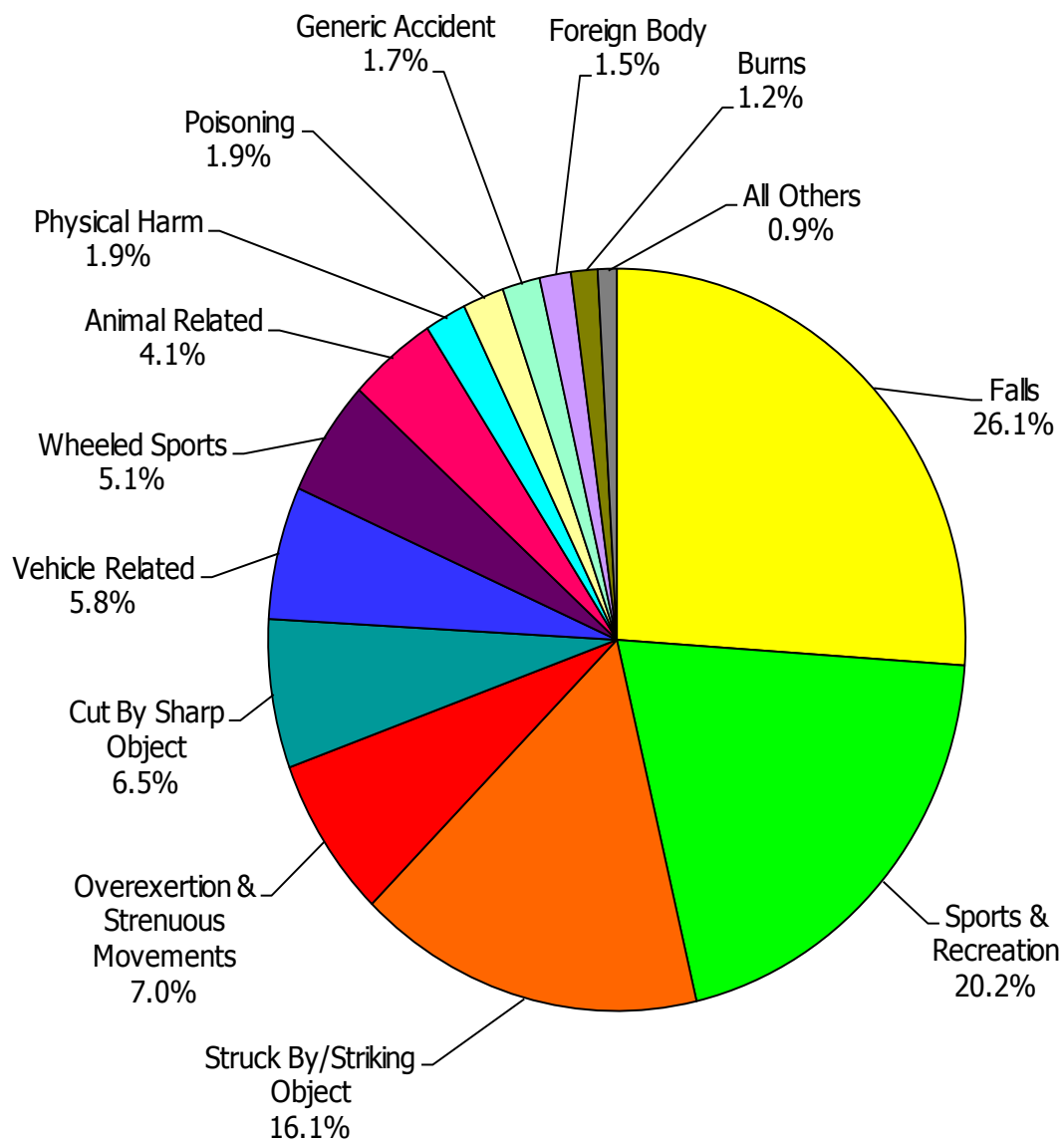
LEADING CAUSES OF INJURY - COMBINED DATA

There were 11,712 children treated between January 1, 2010 and December 31, 2010.

Injury	Number of Injuries	Percent of Total Injuries
Falls	3,057	26.1%
Sports & Recreation	2,369	20.2%
Struck By/ Striking Object	1,882	16.1%
Overexertion & Strenuous Movements	822	7.0%
Cut By Sharp Object	759	6.5%
Vehicle Related	679	5.8%
Wheeled Sports	593	5.1%
Animal Related	480	4.1%
Physical Harm	226	1.9%
Poisoning	224	1.9%
Generic Accident	203	1.7%
Foreign Body	170	1.5%
Burns	144	1.2%
All Other (not in top 13, see page 34)	104	Less than 1%
TOTAL	11,712	100.0%

LEADING CAUSES OF INJURY - COMBINED DATA

2010 Top 13 Causes of Injury (11,712)



1 - FALLS

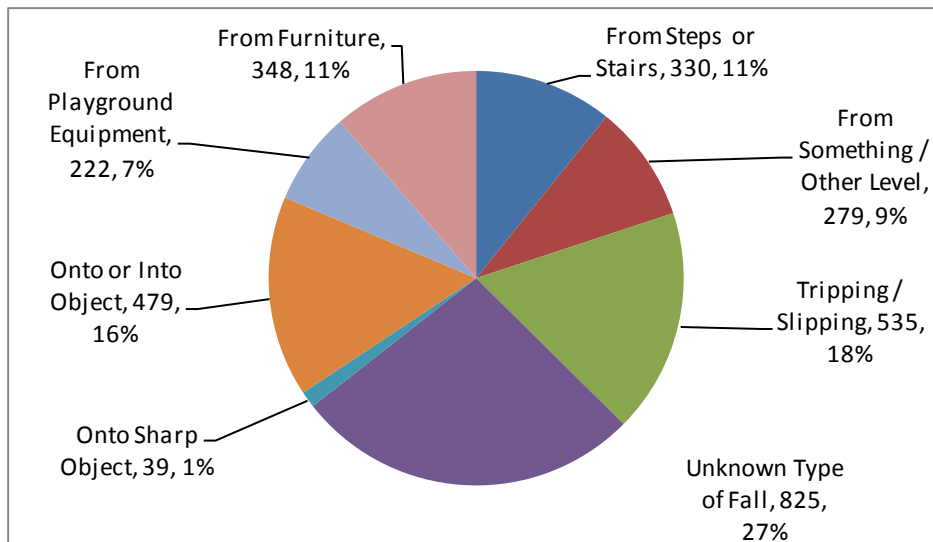
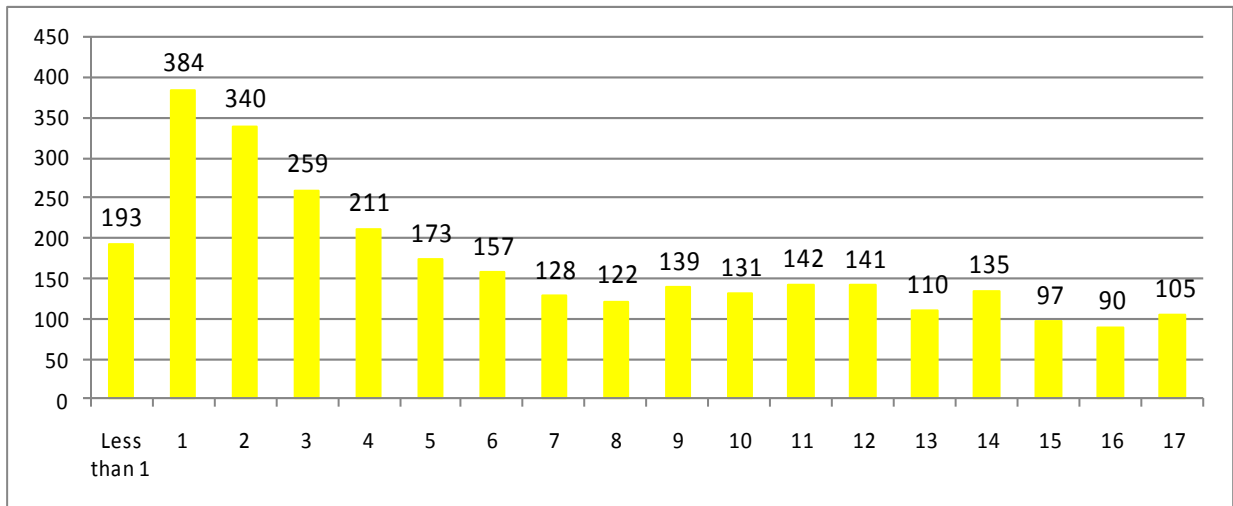
Falls were the leading cause of injury. There were 3,057 children treated this injury, accounting for 26.1% of the injuries. 85.8% were treated at the Hospital ED.

August (337, 11.0%) was the most prevalent month, followed by July (321, 10.5%) and May (318, 10.4%).

Males accounted for 1,667 (54.5%) and females accounted for 1,390 (45.5%)

Disposition/ Outcome	#	%
Admitted	20	Less than 1%
Discharged	2,984	97.6%
Left AMA	12	Less than 1%
Transferred	40	1.3%
Unknown	1	Less than 1%

Race	#	%
African American	320	10.5%
Caucasian	2,130	69.7%
Hispanic/Latino	7	Less than 1%
Other	91	2.9%
NA	509	16.7%



2 - SPORTS & RECREATION

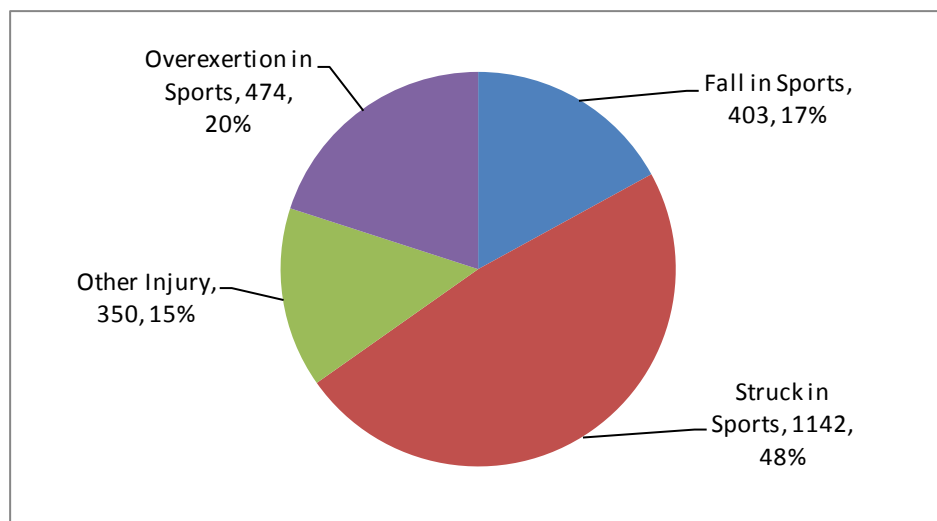
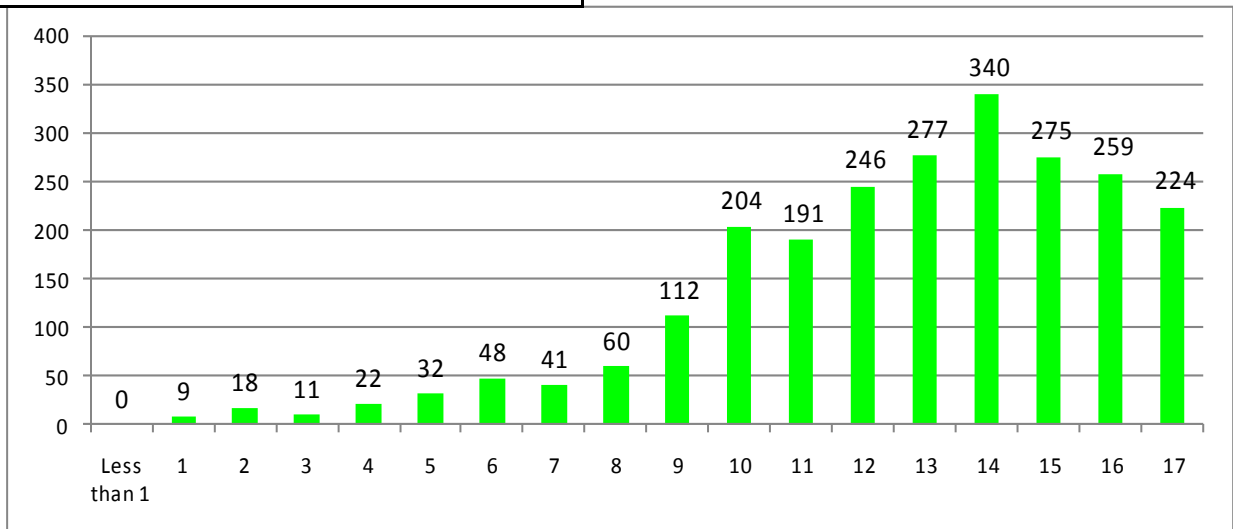
Sports & Recreation was the second leading cause of injury. There were 2,369 children treated for this injury, accounting for 20.2%% of the injuries. 69.8% were treated at the Hospital ED.

January (298, 12.6%) was the most prevalent month, followed by October (269, 11.4%) and March (267, 11.3%).

Males accounted for 1,605 visits (67.8%) and females accounted for 764 visits (32.2%).

Disposition/ Outcome	#	%
Admitted	12	Less than 1%
Discharged	2343	98.9%
Left AMA	1	Less than 1%
Transferred	10	Less than 1%
Unknown	3	Less than 1%

Race	#	%
African American	276	11.7%
Caucasian	1,676	70.7%
Hispanic/Latino	6	Less than 1%
Other	39	1.2%
NA	372	15.7%



3 - STRUCK BY / STRIKING OBJECT

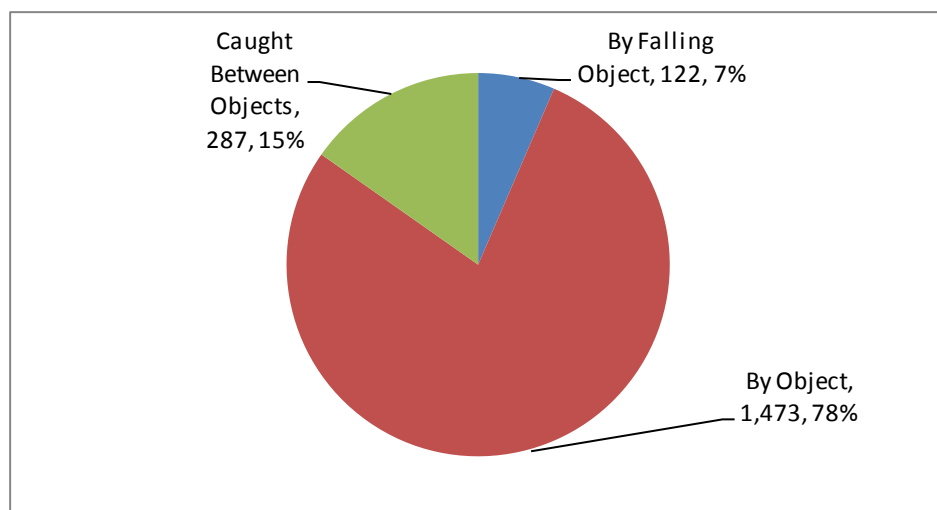
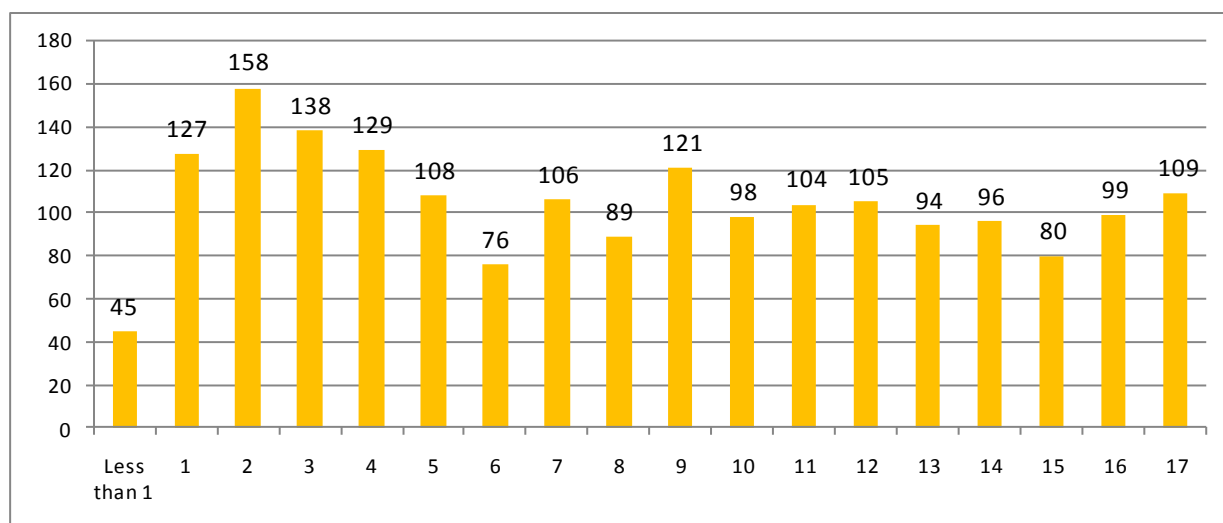
Struck By / Striking Object was the third leading cause of injury. There were 1,882 children treated for this injury, accounting for 16.1% of the injuries. 72.7% were treated at the Hospital ED.

September (299, 15.9%) was the most prevalent month, followed by August (244, 13.0%) and July (183, 9.7%).

Males accounted for 1,113 visits (59.1%) and females accounted for 769 visits (40.9%).

Disposition/ Outcome	#	%
Admitted	2	Less than 1%
Discharged	1866	99.1%
Left AMA	8	Less than 1%
Transferred	5	Less than 1%
Unknown	1	Less than 1%

Race	#	%
African American	204	10.8%
Caucasian	1,329	70.6%
Hispanic/Latino	5	Less than 1%
Other	40	Less than 1%
NA	304	16.2%



4 - OVEREXERTION & STRENUOUS MOVEMENTS

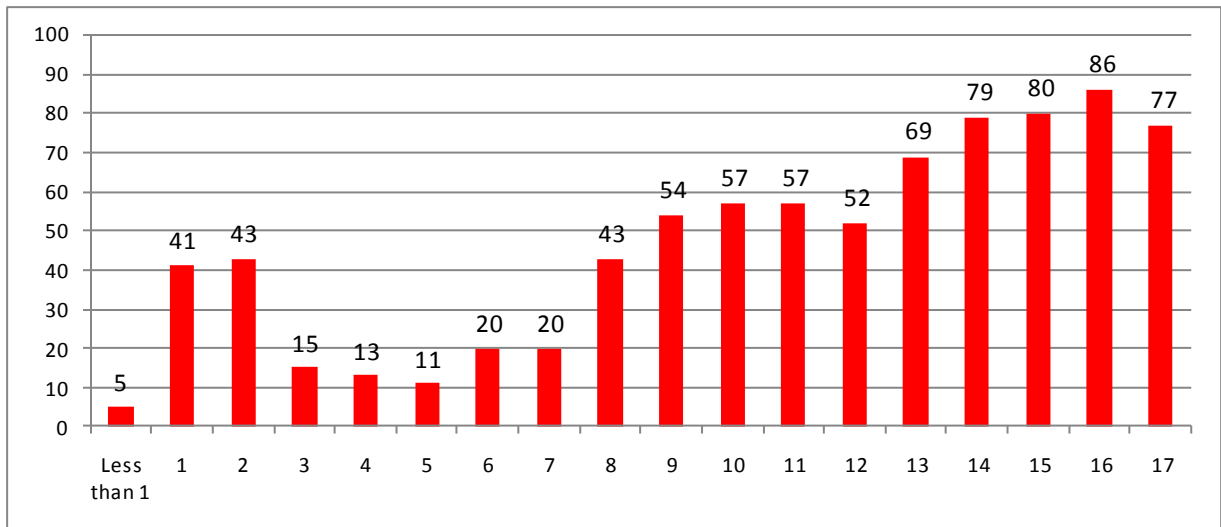
Overexertion & Strenuous Movements was the fourth leading cause of injury. There were 822 children treated this related injury, accounting for 7.0% of the injuries. 82.5% were treated at the Hospital ED.

September (142, 17.3%) was the most prevalent month, followed by August (134, 16.3%) and December (121, 14.7%).

Males accounted for 358 visits (43.6%) and females accounted for 464 visits (56.4%).

Disposition/ Outcome	#	%
Admitted	0	0%
Discharged	818	99.5%
Left AMA	1	Less than 1%
Transferred	2	Less than 1%
Unknown	1	Less than 1%

Race	#	%
African American	80	9.7%
Caucasian	559	68.0%
Other	17	Less than 1%
NA	166	20.2%



An Overexertion & Strenuous Movement Injury includes a type of injury where the body is stressed beyond normal capabilities causing injury. Examples could include sprained joints, strained muscles and broken bones.

5 - CUT BY SHARP OBJECT

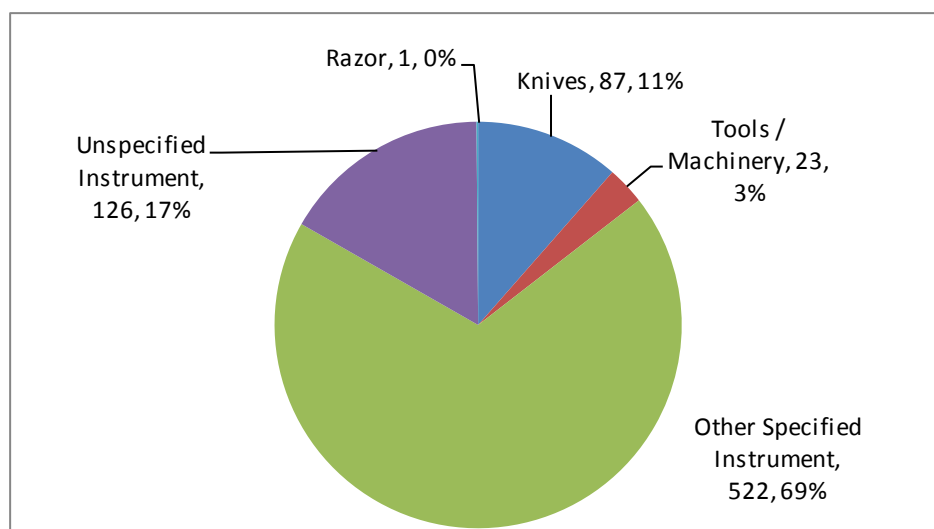
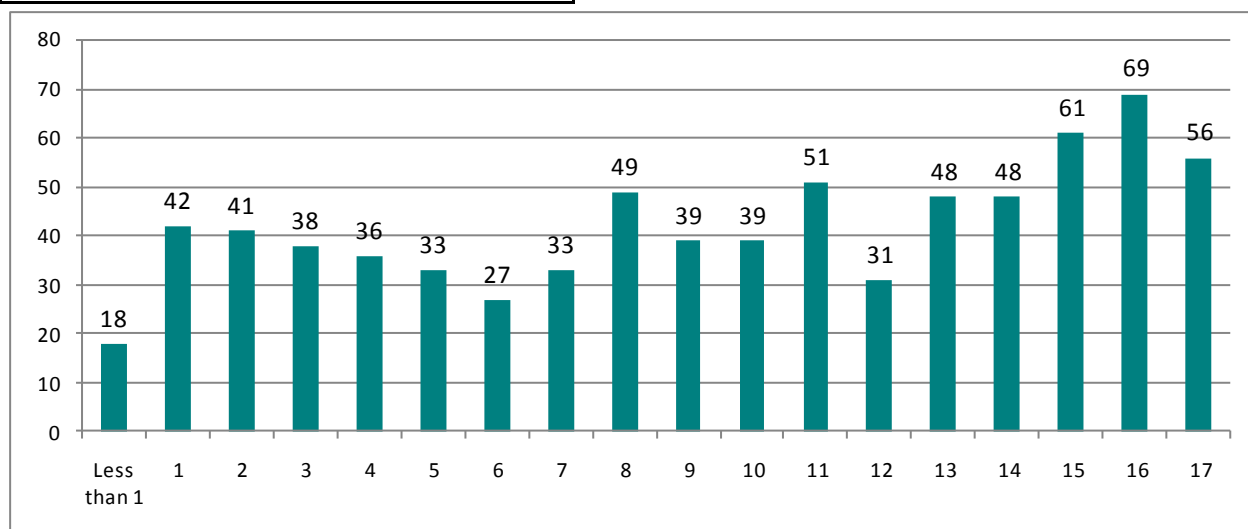
Cut By Sharp Object was the fifth leading cause of injury. There were 759 children treated for this injury, accounting for 6.5% of the injuries. 79.4% were treated at the Hospital ED.

June (97, 12.8%) was the most prevalent month, followed by May (83, 10.9%) and July (80, 10.5%).

Males accounted for 463 visits (61.0%) and females accounted for 296 visits (39.0%).

Disposition/ Outcome	#	%
Admitted	0	0%
Discharged	753	99.2%
Left AMA	2	Less than 1%
Transferred	3	Less than 1%
Unknown	1	Less than 1%

Race	#	%
African American	99	13.0%
Caucasian	78	63.0%
Hispanic/Latino	2	Less than 1%
Other	11	Less than 1%
NA	169	22.3%



6 - VEHICLE RELATED

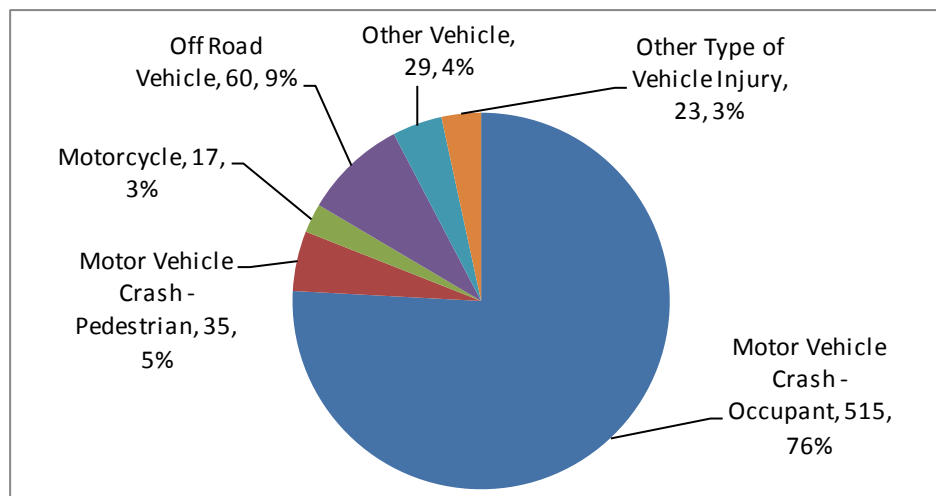
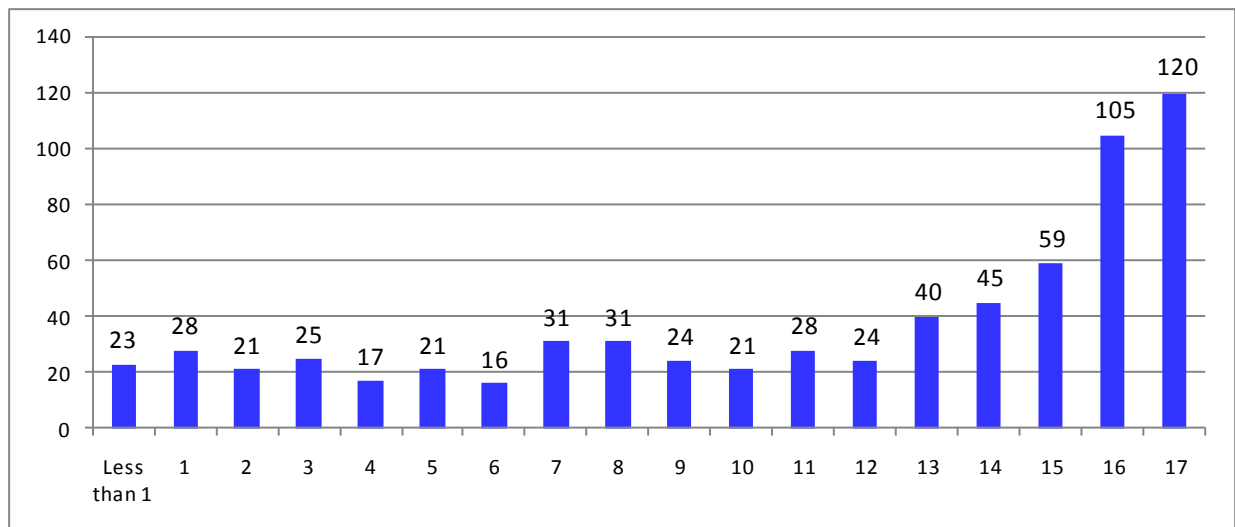
Vehicle Related was the sixth leading cause of injury. There were 679 children treated for this injury, accounting for 5.8% of the injuries. 92.3% were treated at the Hospital ED.

April (74, 10.9%) was the most prevalent month, followed by March (72, 10.6%) and January (66, 9.7%).

Males accounted for 336 visits (49.5%) and females accounted for 343 visits (50.5%).

Disposition/ Outcome	#	%
Admitted	4	Less than 1%
Discharged	658	96.9%
Left AMA	3	Less than 1%
Transferred	14	2.1%
Unknown	0	0%

Race	#	%
African American	84	12.4%
Caucasian	468	68.9%
Hispanic/Latino	1	Less than 1%
Other	17	1.8%
NA	109	16.1%



7 - WHEELED SPORTS

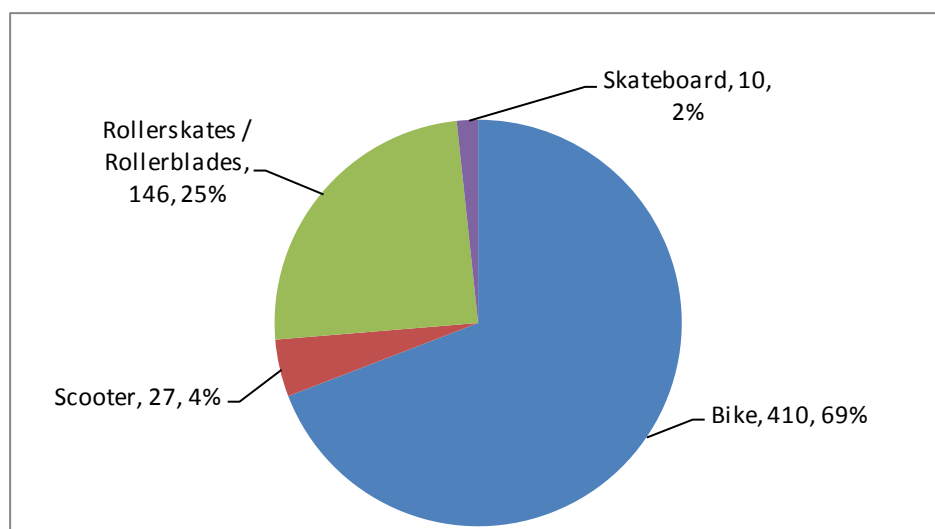
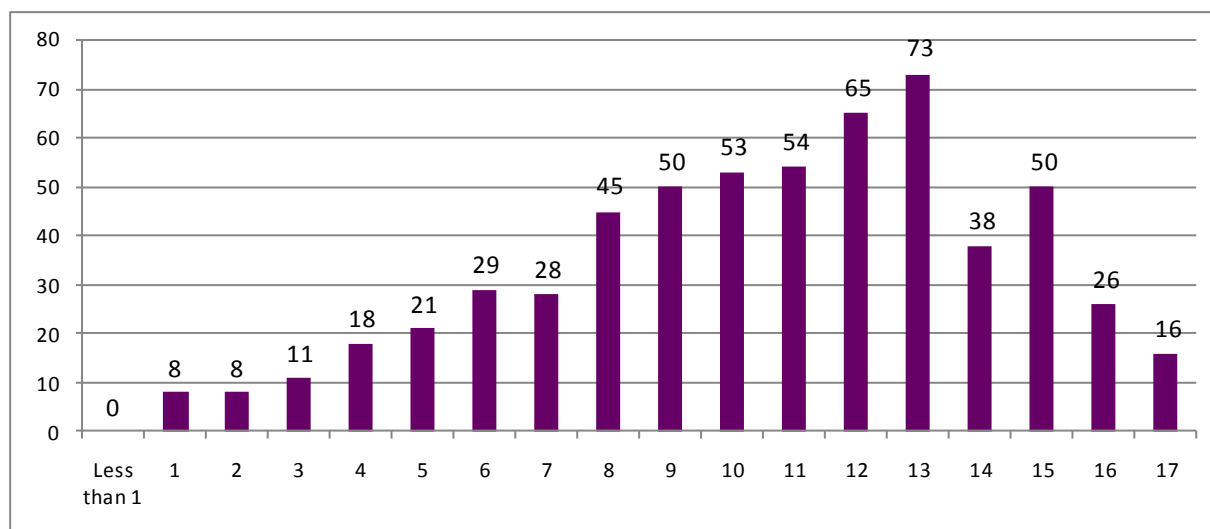
Wheeled Sports was the seventh leading cause of injury. There were 593 children treated for this injury, accounting for 5.1% of the injuries. 79.6% were treated at the Hospital ED.

May (83, 14.0%) was the most prevalent month, followed by July (78, 13.2%) and June (75, 12.6%).

Males accounted for 394 visits (66.4%) and females accounted for 199 visits (33.6%).

Disposition/ Outcome	#	%
Admitted	5	Less than 1%
Discharged	578	97.5%
Left AMA	1	Less than 1%
Transferred	9	1.5%
Unknown	0	Less than 1%

Race	#	%
African American	43	7.3%
Caucasian	445	75.0%
Other	14	1.2%
NA	91	15.3%



8 - ANIMAL RELATED

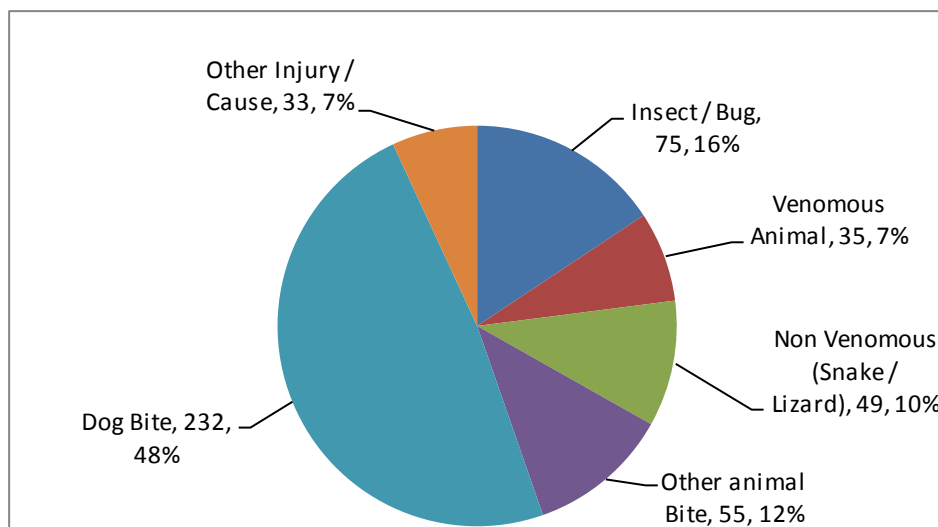
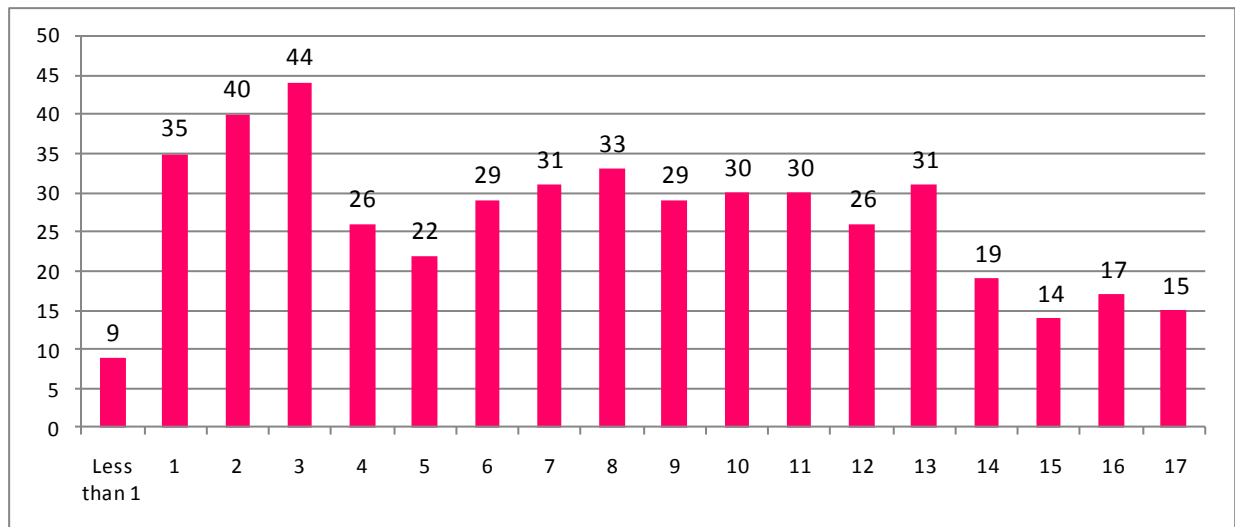
Animal Related was the eighth leading cause of injury. There were 480 children treated for this injury, accounting for 4.1% of the injuries. 88.1% were treated at the Hospital ED.

August (75, 15.6%) was the most prevalent month, followed by June (72, 15.0%) and July (63, 13.1%).

Males accounted for 248 visits (51.7%) and females accounted for 232 visits (48.3%).

Disposition/ Outcome	#	%
Admitted	2	Less than 1%
Discharged	471	98.1%
Left AMA	2	Less than 1%
Transferred	5	1.0%
Unknown	0	0%

Race	#	%
African American	42	8.8%
Caucasian	270	56.3%
Hispanic/Latino	1	Less than 1%
Other	17	3.6%
NA	150	31.3%



9 - PHYSICAL HARM

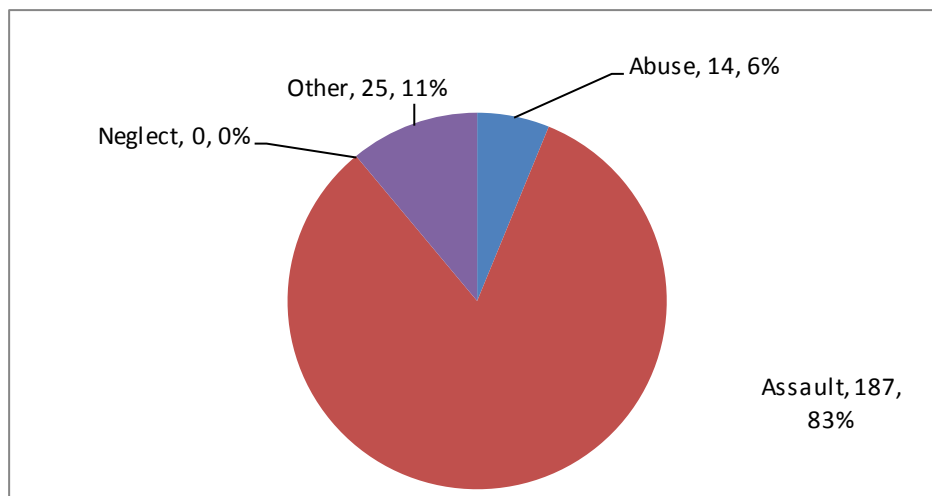
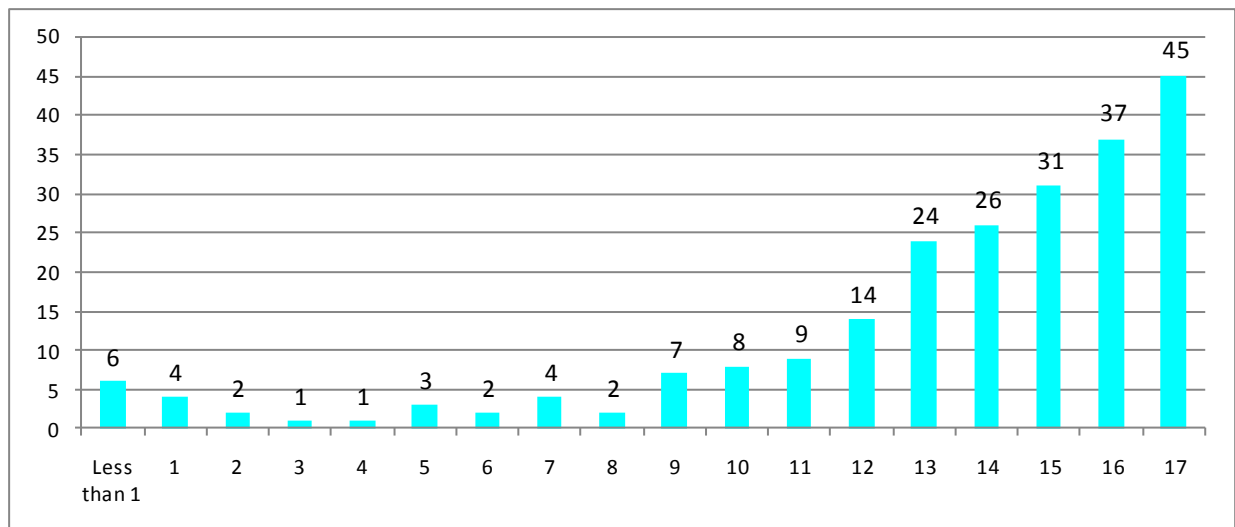
Physical Harm was the ninth leading cause of injury for children. There were 226 children treated for this injury, accounting for 1.9% of the injuries. 92.5% were treated at the Hospital ED.

February (31, 13.7) was the most prevalent month, followed by April (29, 12.8%) and January and May (26, 11.5%).

Males accounted for 139 visits (61.5%) and females accounted for 87 visits (38.5%).

Disposition/ Outcome	#	%
Admitted	0	0%
Discharged	220	97.3%
Left AMA	1	Less than 1%
Transferred	5	Less than 1%
Unknown	0	0%

Race	#	%
African American	53	23.5%
Caucasian	138	61.1%
Hispanic/Latino	1	Less than 1%
Other	6	1.8%
NA	28	12.4%



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.

10 - POISONING

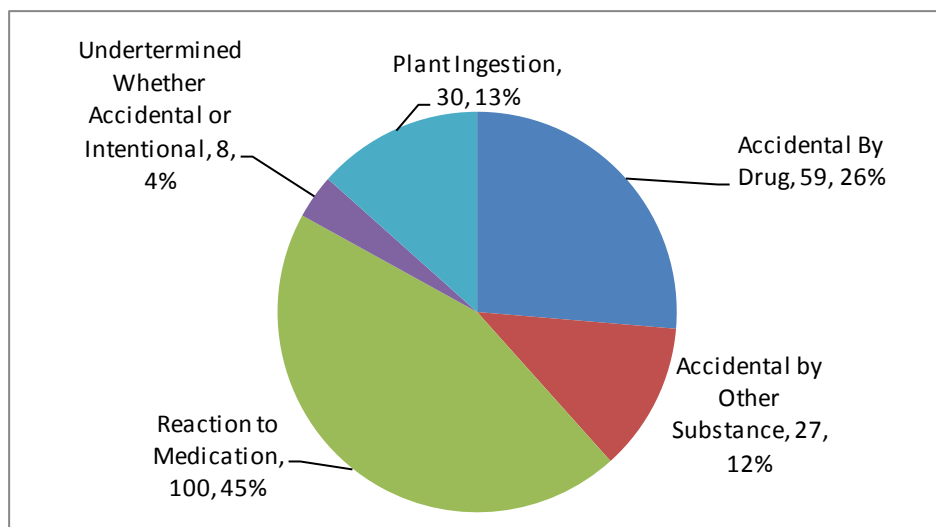
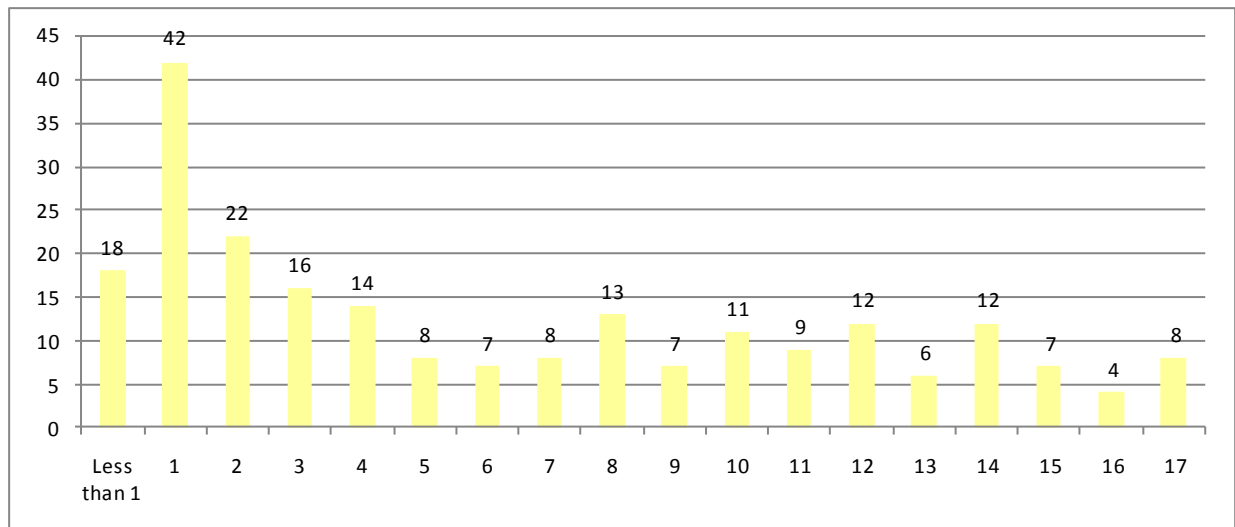
Poisoning was the tenth leading cause of injury for children. There were 224 children treated for this injury, accounting for 1.9% of the injuries. 90.6% were treated at the Hospital ED.

July (34, 15.2%) was the most prevalent month, followed by May (26, 11.6%) and June (22, 9.8%).

Males accounted for 113 visits (50.4%) and females accounted for 111 visits (49.6%).

Disposition/ Outcome	#	%
Admitted	1	Less than 1%
Discharged	207	92.4%
Left AMA	1	Less than 1%
Transferred	15	6.7%
Unknown	0	0%

Race	#	%
African American	19	8.5%
Caucasian	139	62.1%
Other	6	2.7%
NA	60	26.8%



11 - GENERIC ACCIDENT

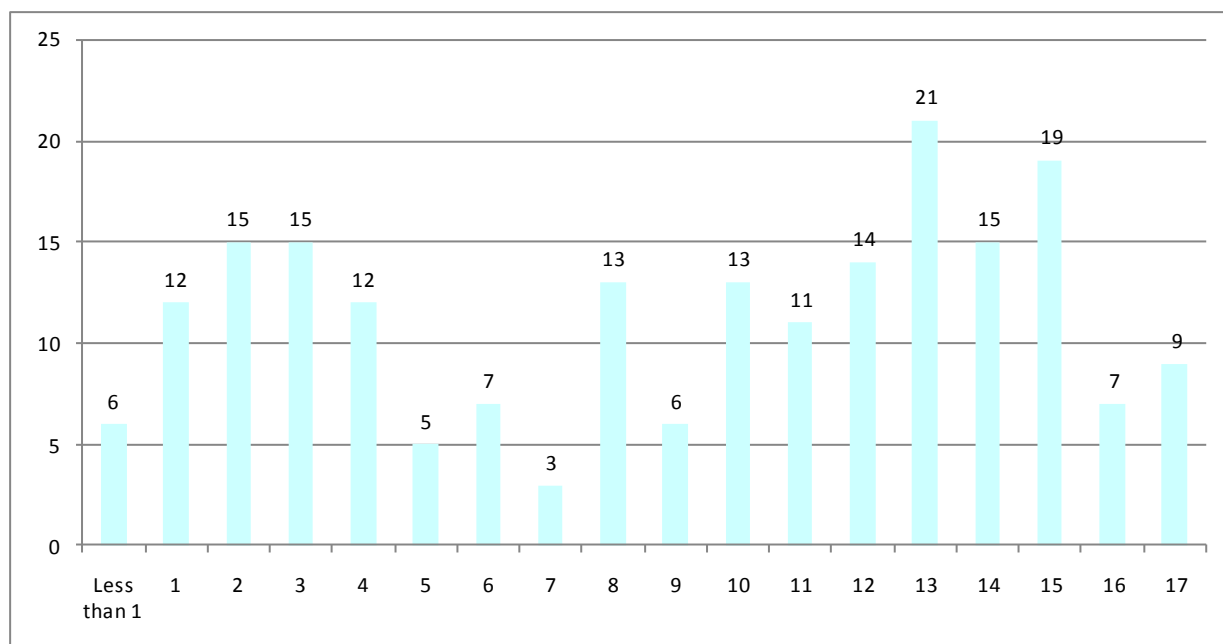
Generic Accident was the eleventh leading cause of injury for children. There were 203 children treated for this, accounting for 1.7% of the injuries. 65.3% were treated at the Hospital ED.

October (31, 15.3%) was the most prevalent month, followed by December (29, 14.4%) and November (26, 12.9%).

Males accounted for 99 visits (48.8%) and females accounted for 104 visits (51.2%).

Disposition/ Outcome	#	%
Admitted	0	0%
Discharged	199	98.0%
Left AMA	1	Less than 1%
Transferred	3	1.5%
Unknown	0	0%

Race	#	%
African American	21	10.4%
Caucasian	139	68.8%
Hispanic/Latino	1	Less than 1%
Other	1	Less than 1%
NA	41	20.2%



A Generic Accident includes any injury not otherwise specified in the reporting process.

12 - FOREIGN BODY

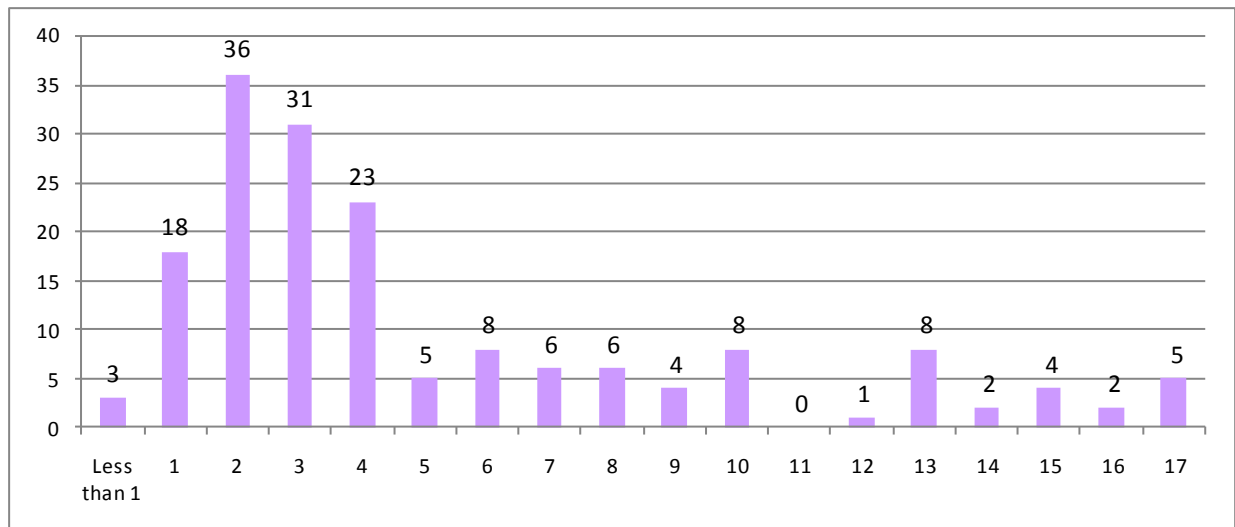
Foreign Body was the twelfth leading cause of injury for children. There were 170 children treated for this injury, accounting for 1.5% of the injuries. 98.8% were treated at the Hospital ED.

March (22, 12.9%) was the most prevalent month, followed by September (19, 11.2%) and August (17, 10.0%).

Males accounted for 88 visits (51.8%) and females accounted for 82 visits (48.2%).

Disposition/ Outcome	#	%
Admitted	0	0%
Discharged	162	95.3%
Left AMA	3	1.8%
Transferred	5	2.9%
Unknown	0	0%

Race	#	%
African American	20	11.8%
Caucasian	89	52.4%
Hispanic/Latino	3	1.8%
Other	5	3.0%
NA	53	31.2%



A Foreign Body injury includes any foreign body entering the eye or other body part. This could include a splinter, object in the eye, etc.

Choking related injuries are not included.

13 - BURNS

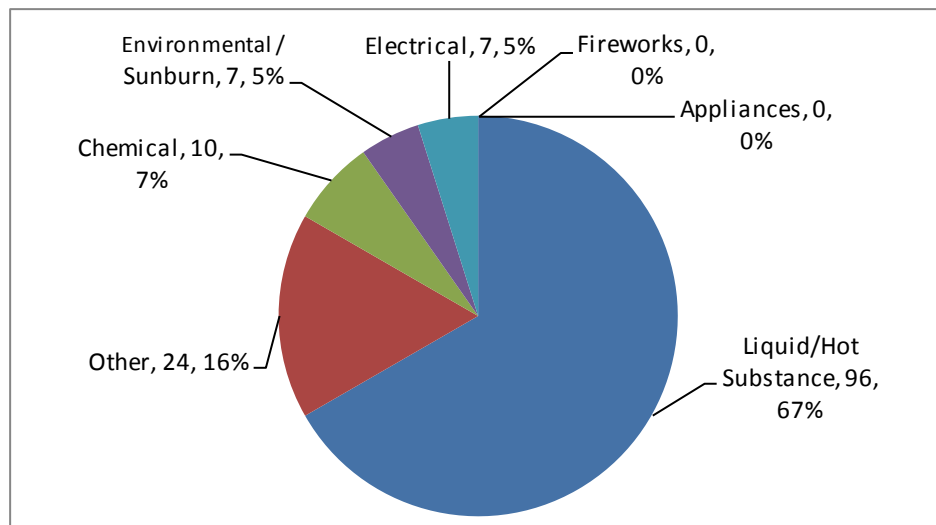
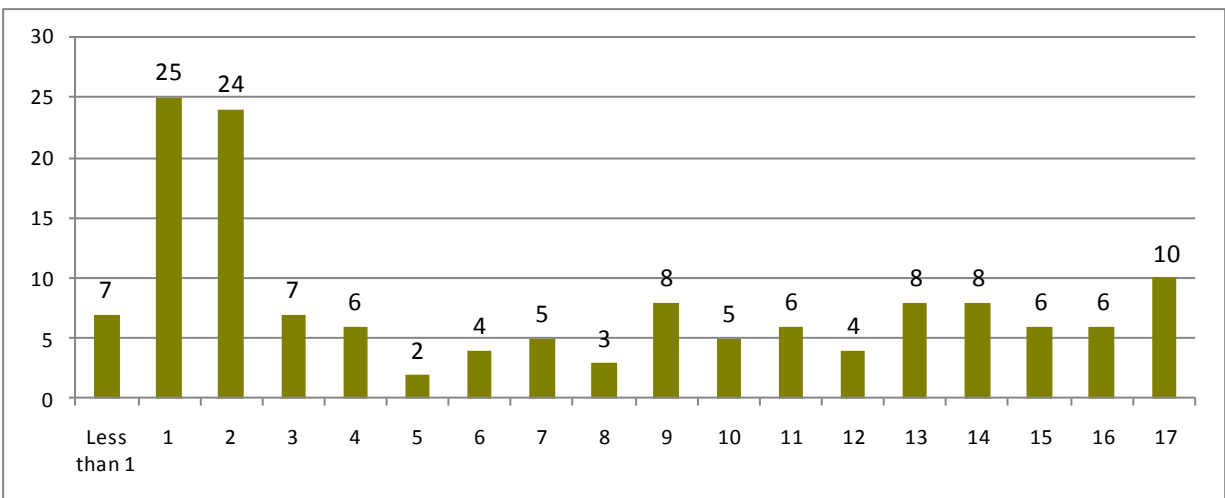
Burns was the thirteenth leading cause of injury for children. There were 144 children treated for this injury, accounting for 1.2% of the injuries. 84.7% were treated at the Hospital ED.

May and July (23, 16.0%) were the most prevalent months, followed by June (17, 11.8%) and September (15, 10.4%).

Males accounted for 73 visits (50.7%) and females accounted for 71 visits (49.3%).

Disposition/ Outcome	#	%
Admitted	2	1.4%
Discharged	137	95.1%
Left AMA	0	0%
Transferred	5	3.5%
Unknown	0	0%

Race	#	%
African American	16	11.1%
Caucasian	100	69.4%
Hispanic/Latino	1	Less than 1%
Other	3	Less than 1%
NA	24	16.7%



OTHER CAUSES OF INJURY

While these injuries were not in the top 13, 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
Attempted Suicide	39
Machinery	21
Fire Related	17
Fire Arm	13
Human Bite	7
Weather	4
Water Related	3
Choking / Suffocation	0
TOTAL OTHER INJURIES	104

LEADING CAUSE OF INJURY BY AGE

AGE	TOTAL NUMBER OF INJURIES	LEADING CAUSE NUMBER/PERCENT	SECOND LEADING CAUSE NUMBER/PERCENT	THIRD LEADING CAUSE OF INJURY NUMBER/PERCENT
LESS THAN 1	336	Falls 193 or 57.4%	Struck By / Striking Object 45 or 13.4%	Vehicle Related 23 or 6.8%
1	778	Falls 384 or 49.4%	Struck By / Striking Object 127 or 16.3%	Poison and Cut By Sharp Object 42 or 5.4%
2	772	Falls 340 or 44.0%	Struck By / Striking Object 158 or 20.5%	Overexertion & Strenuous Movements 43 or 5.6%
3	611	Falls 259 or 42.4%	Struck By / Striking Object 138 or 22.6%	Animal Related 44 or 7.2%
4	532	Falls 211 or 39.7%	Struck By / Striking Object 129 or 24.2%	Cut By Sharp Object 36 or 6.8%
5	448	Falls 173 or 38.6%	Struck By / Striking Object 108 or 24.1%	Cut By Sharp Object 33 or 7.4%
6	434	Falls 157 or 36.2%	Struck By / Striking Object 76 or 17.5%	Sports & Recreation 48 or 11.1%
7	446	Falls 128 or 28.7%	Struck By / Striking Object 106 or 23.8	Sports & Recreation 41 or 9.2%
8	511	Falls 122 or 23.9%	Struck By / Striking Object 89 or 17.4%	Sports & Recreation 60 or 11.7%
9	603	Falls 139 or 23.1%	Struck By / Striking Object 121 or 20.1%	Sports & Recreation 112 or 18.6%
10	684	Sports & Recreation 204 or 29.8%	Falls 131 or 19.2%	Struck By / Striking Object 98 or 14.3%
11	693	Sports & Recreation 191 or 27.6%	Falls 142 or 20.5%	Struck By / Striking Object 104 or 15.0%
12	742	Sports & Recreation 246 or 33.2%	Falls 141 or 19.0%	Struck By / Striking Object 105 or 14.2%
13	816	Sports & Recreation 277 or 33.9%	Falls 110 or 13.5%	Struck By / Striking Object 94 or 11.5%
14	878	Sports & Recreation 340 or 38.7%	Falls 135 or 15.4%	Struck By / Striking Object 96 or 10.9%
15	793	Sports & Recreation 275 or 34.7%	Falls 97 or 12.2%	Struck By / Striking Object and Overexertion & Strenuous Movements 80 or 10.1%
16	819	Sports & Recreation 259 or 31.6%	Vehicle Related 105 or 12.8%	Struck By / Striking Object 99 or 12.1%
17	816	Sports & Recreation 224 or 27.5%	Vehicle Related 120 or 14.7%	Struck By / Striking Object 109 or 13.4%

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER OF INJURIES	LEADING CAUSE NUMBER/ PERCENT	SECOND LEADING CAUSE NUMBER/ PERCENT	THIRD LEADING CAUSE OF INJURY NUMBER/ PERCENT
44601	1,779	Falls 435 or 24.5%	Sports & Recreation 300 or 16.9%	Struck By / Striking Object 254 or 14.3%
44608	61	Sports & Recreation 18 or 29.5%	Falls 15 or 24.6%	Cut By Sharp Object 6 or 9.8%
44613	61	Falls and Sports & Recreation 15 or 24.6%	Struck By / Striking Object 10 or 16.7%	Vehicle Related 6 or 9.8%
44614	173	Sports & Recreation 45 or 26.0%	Falls 40 or 23.1%	Struck By / Striking Object 23 or 13.3%
44626	95	Falls 24 or 25.3%	Sports & Recreation 21 or 22.1%	Struck By / Striking Object 15 or 15.8%
44630	7	Vehicle Related, Falls, Physical Harm, Animal Related, Struck By / Striking Object, Overexertion & Strenuous Movements and Sports & Recreation 1 or 14.3%	—	—
44632	85	Falls 22 or 25.9%	Sports & Recreation 17 or 20.0%	Struck By / Striking Object 11 or 12.9%
44641	487	Falls 116 or 23.8%	Sports & Recreation 115 or 23.6%	Struck By / Striking Object 70 or 14.4%
44643	113	Sports & Recreation 31 or 27.4%	Falls 21 or 18.6%	Struck By / Striking Object 17 or 15.0%
44646	1,652	Falls 408 or 24.7%	Sports & Recreation 329 or 19.9%	Struck By / Striking Object 308 or 18.6%

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER OF INJURIES	LEADING CAUSE NUMBER/ PERCENT	SECOND LEADING CAUSE NUMBER/ PERCENT	THIRD LEADING CAUSE OF INJURY NUMBER/ PERCENT
44647	582	Sports & Recreation 136 or 23.4%	Falls 131 or 22.5%	Struck By / Striking Object 92 or 15.8%
44648	3	Physical Harm, Cut By Sharp Object, Sports & Recreation 1 or 33.3%	_____	_____
44650	5	Falls 2 or 40.0%	Wheeled Sports, Poisoning, Struck By / Striking Object 1 or 20.0%	_____
44652	1	Falls 1 or 100%	_____	_____
44657	357	Sports & Recreation 82 or 23.0%	Falls 79 or 22.1%	Struck By / Striking Object 59 or 16.2%
44662	266	Falls 62 or 23.3%	Sports & Recreation 57 or 21.4%	Struck By / Striking Object 47 or 17.7%
44666	69	Sports & Recreation 17 or 24.6%	Falls 13 or 18.8%	Struck By / Striking Object 10 or 14.5%
44669	47	Sports & Recreation 15 or 31.9%	Falls 10 or 21.3%	Overexertion & Strenuous Movements 7 or 14.9%
44670	6	Falls and Poisoning 2 or 33.3%	Vehicle Related and Sports & Recreation 1 or 16.7%	_____

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER OF INJURIES	LEADING CAUSE NUMBER/ PERCENT	SECOND LEADING CAUSE NUMBER/ PERCENT	THIRD LEADING CAUSE OF INJURY NUMBER/ PERCENT
44685	130	Sports & Recreation 41 or 31.5%	Falls 23 or 17.7%	Struck By / Striking Object 20 or 15.4%
44688	103	Falls 29 or 28.2%	Sports & Recreation 27 or 26.2%	Overexertion & Strenuous Movements 10 or 9.7%
44689	15	Sports & Recreation 4 or 26.7%	Falls 3 or 20.0%	Vehicle Related, Wheeled Sports and Overexertion & Strenuous Movements 2 or 13.3%
44701	9	Animal Related 3 or 33.3%	Falls and Struck By / Striking Object 2 or 22.2%	Vehicle Related and Overexertion & Strenuous Movements 1 or 11.1%
44702	26	Struck By / Striking Object 7 or 26.9%	Cut By Sharp Object and Sports & Recreation 4 or 15.4%	Falls and Vehicle Related 3 or 11.5%
44703	379	Falls 106 or 28.0%	Struck By / Striking Object 71 or 18.7%	Sports & Recreation 53 or 14.0%
44704	162	Falls 38 or 23.5%	Struck By / Striking Object 36 or 5.0%	Sports & Recreation 30 or 18.5%
44705	855	Falls 278 or 32.5%	Sports & Recreation 139 or 16.3%	Struck By / Striking Object 129 or 15.1%
44706	737	Falls 218 or 29.6%	Sports & Recreation 154 or 20.1%	Struck By / Striking Object 119 or 16.1%

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER OF INJURIES	LEADING CAUSE NUMBER/ PERCENT	SECOND LEADING CAUSE NUMBER/ PERCENT	THIRD LEADING CAUSE OF INJURY NUMBER/ PERCENT
44707	437	Falls 125 or 28.6%	Struck By / Striking Object 67 or 15.3%	Sports & Recreation 66 or 15.1%
44708	725	Falls 206 or 28.4%	Sports & Recreation 137 or 18.9%	Struck By / Striking Object 131 or 18.1%
44709	427	Falls 122 or 28.6%	Sports & Recreation 91 or 21.3%	Struck By / Striking Object 67 or 15.7%
44710	424	Falls 128 or 30.2%	Struck By / Striking Object 79 or 18.6%	Sports & Recreation 65 or 15.3%
44714	236	Falls 73 or 30.9%	Sports & Recreation 43 or 18.2%	Struck By / Striking Object 41 or 17.4%
44718	199	Sports & Recreation 56 or 28.1%	Falls 49 or 24.6%	Struck By / Striking Object 34 or 17.1%
44720	596	Sports & Recreation 162 or 27.2%	Falls 149 or 25.0%	Struck By / Striking Object 90 or 15.1%
44721	265	Falls 72 or 27.2%	Sports & Recreation 64 or 24.2%	Struck By / Striking Object 39 or 14.7%
44730	137	Falls 36 or 26.3%	Sports & Recreation 32 or 23.4%	Vehicle Related 19 or 13.9%
44735	1	Struck By / Striking Object 1 or 100%	—	—

SIGNIFICANT FINDINGS & RECOMMENDATIONS

- A shift in volume was noted starting in September 2010. The Hospitals noted no changes in required reporting. The Committee will compare these numbers to the 2011 numbers and will note any changes in the 2011 report.
- 1 and 2 year olds still have the highest injury rates, so work needs to continue with parents and child care centers.
- Only 1% of the injuries resulted in hospital admission.
- 44701 and 44601 have the highest injury rate, and 44601 still has the highest number of injuries. A task force has been developed in the 44601 zip code to discuss these issues and determine a plan to decrease the number of injuries occurring. Funding was also secured for a gate distribution program to take place in the fall of 2011.
- Falls are the leading cause of injury to children birth through age 9. Sports and Recreation is the leading cause to children ages 10-17.
- September, August, and May were the highest months of reported injuries. February, December, and January. were the lowest.
- 14 year olds had the highest number of injuries. Children under one year of age had the lowest number of injuries.
- 1 & 2 year olds had the highest rate of injuries. Children under one year of age had the lowest rate of injuries.
- Males were treated more than females at both Immediate Care facilities and at Hospital ED's.

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. The Coalition conducts various safety programs and provides resources to members to conduct their own programs in their communities.

Child Passenger Safety

- Car Seat Distribution Program: Provides low-cost car seats to income eligible families through the local health departments. Over 2,600 seats have been distributed.
- Car Seat Inspections: Offers free car seat check ups throughout the county. Over 30 members are Certified Child Passenger Safety Technicians. Over 3,200 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 2,800 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.
- Smoke Detector & Battery Distribution: Provide smoke detectors and batteries to the community through various programs, in conjunction with local fire departments.
- Family Safety Education Trailer: Mobile classroom used by local fire departments to educate on fire safety, home hazards and weather safety.

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 1,800 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 5,500 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 5,000 children 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.

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
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