

Stark County Childhood Injury Report

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

**10th Annual Report
January 1, 2012 - December 31, 2012**

Report Prepared By:



Safe Kids Stark County
Data & Research Committee

Stark County Health Department
Administration & Support Services



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COMMITTEE & REPORT INFORMATION

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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, 2012 through December 31, 2012. 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 ICD9 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. 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. 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 to continue and expand the surveillance project.

The reports include: 2002 Pilot, 2003-2011 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, 2012 through December 31, 2012. During that time 11,413 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 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.

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 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 & 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)

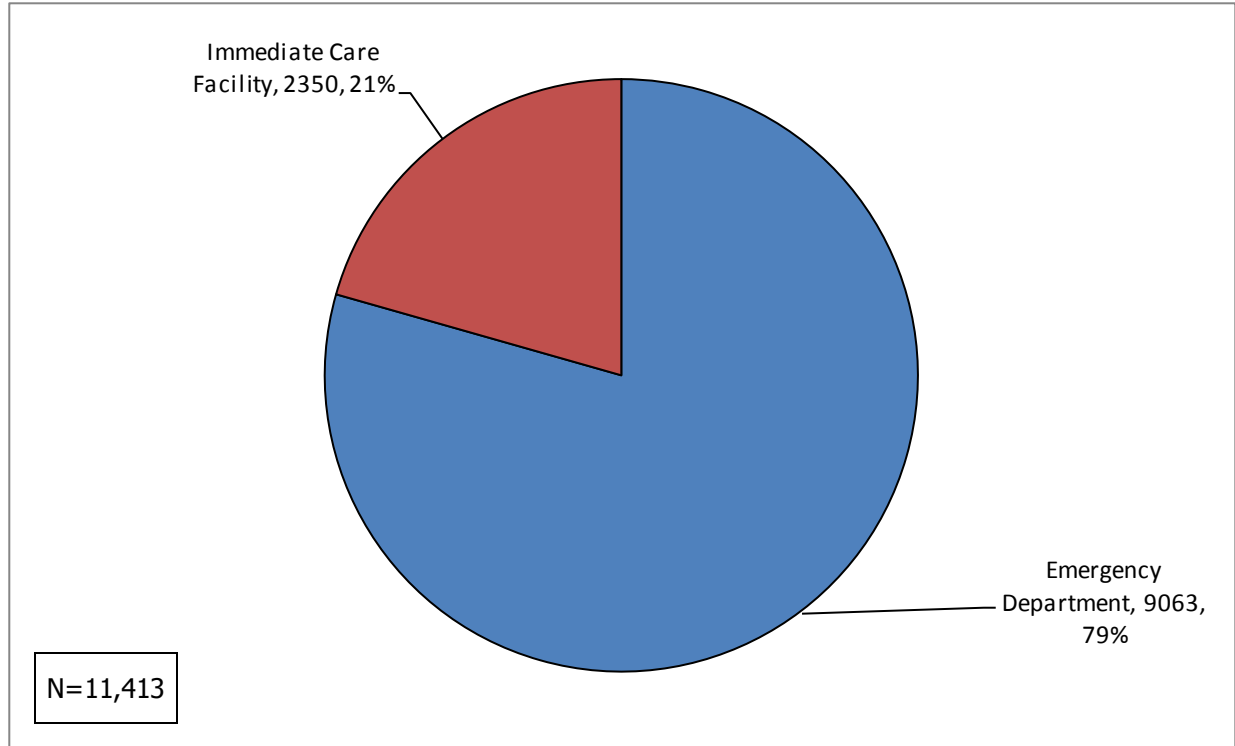
There are countless ICD9 Codes used in hospital emergency departments. For the purpose of this report, the committee assigned each ICD9 Code to a particular heading. The headings are listed below.

- 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



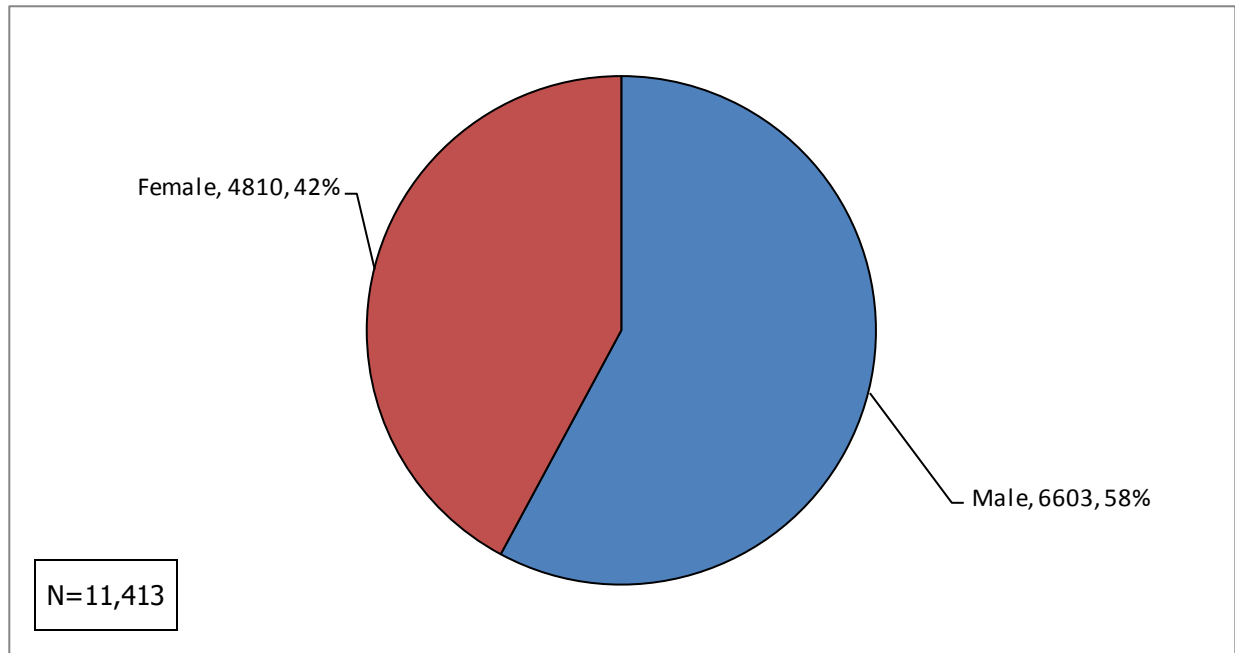
TOTAL VISITS

Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
2,350	9,063	11,413

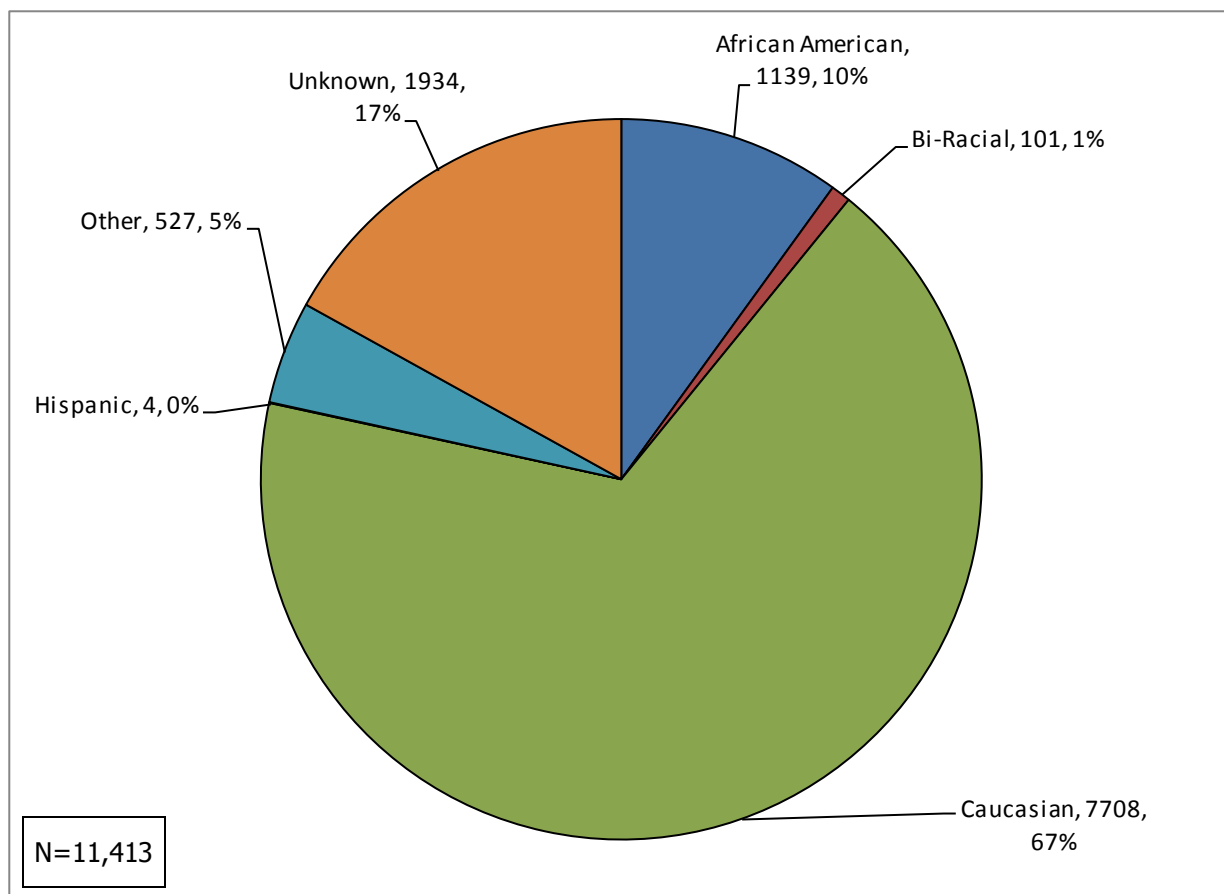


VISITS BY GENDER

	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
Male	1,332	5,271	6,603
Female	1,018	3,792	4,810



VISITS BY RACE



Stark County Population Age 17 and Under by Race

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

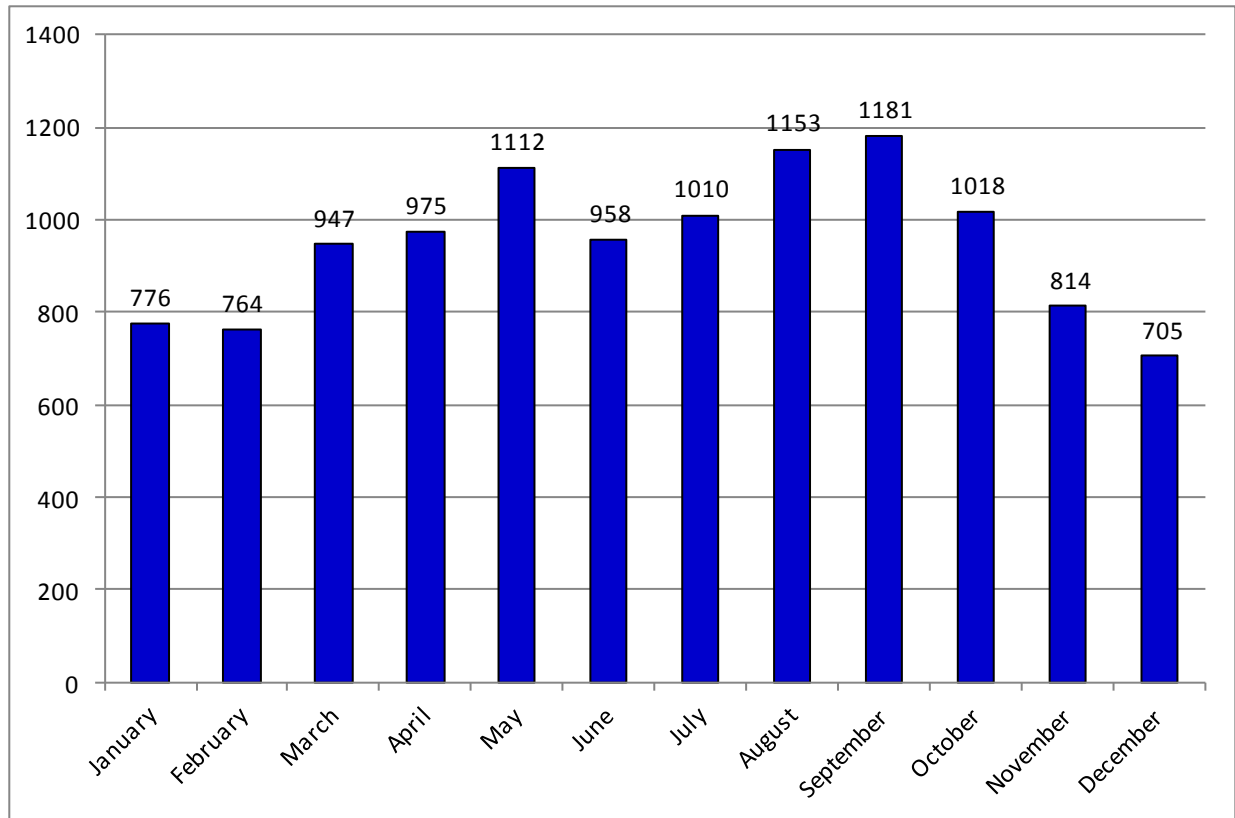
Source: 2000 Census

This data is included to determine if there are any injury disparities among races.

VISITS BY MONTH

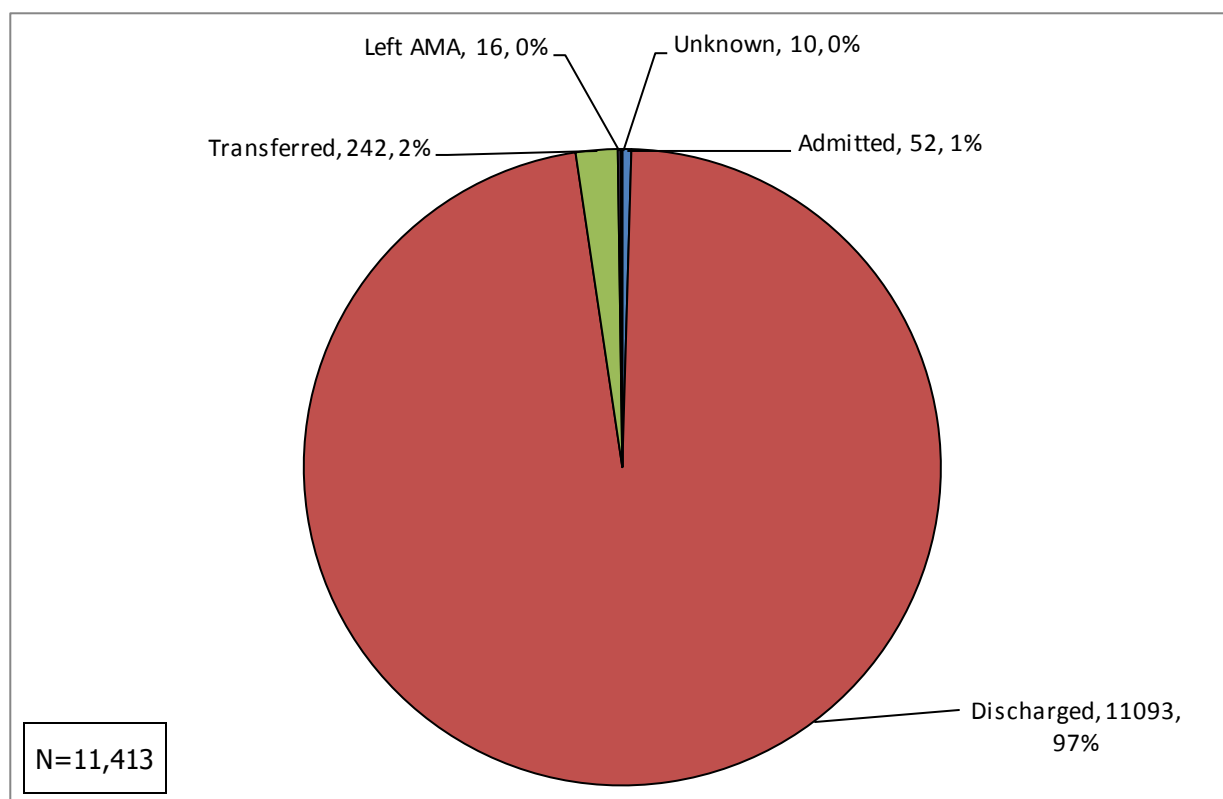
	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
January	143	633	776
February	156	608	764
March	190	757	947
April	207	768	975
May	204	908	1,112
June	157	801	958
July	185	825	1,010
August	236	917	1,153
September	283	898	1,181
October	240	778	1,018
November	193	621	814
December	156	549	705

Total Visits by Month



DISPOSITION (RESULT) OF TREATMENT

	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
Admitted	0	52	52
Discharged	2,333	8,760	11,093
Transferred to Other Facility	17	225	242
Left AMA (Against Medical Advice)	0	16	16
Unknown	0	10	10



VISITS BY RESIDENT ZIP CODE

Resident Zip Code	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
44601	14	1,478	1,492
44608	23	40	63
44613	7	32	39
44614	47	224	271
44626	27	63	90
44630	1	2	3
44632	21	174	195
44641	104	392	496
44643	29	75	104
44646	488	1,121	1,609
44647	172	385	557
44648	0	3	3
44650	0	2	2
44652	0	0	0
44657	39	215	254
44662	76	150	226
44666	23	63	86
44669	6	39	45
44670	0	4	4
44685	53	387	440
44688	33	73	106
44689	2	8	10
44701	0	6	6
44702	0	29	29
44703	25	311	336
44704	13	137	150
44705	86	602	688
44706	115	545	660
44707	54	353	407
44708	157	567	724
44709	110	277	387
44710	49	359	408
44714	51	187	238
44718	84	94	178
44720	299	389	688
44721	115	182	301
44730	23	94	117
44735	0	1	1

VISITS BY RESIDENT ZIP CODE

TOTAL NUMBER OF INJURIES IN STARK COUNTY				COUNTY POPULATION (AGES 0-17)		COUNTY INJURY RATE PER 1,000 POPULATION	
11,413				92,716		123.1	
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	1,492	7,800	191.3	44685	440	7,137	61.7
44608	63	673	96.3	44688	106	738	143.6
44613	39	422	92.4	44689	10	203	49.3
44614	271	3,045	89.0	44701	6	NA	NA
44626	90	654	137.6	44702	29	80	362.5
44630	3	NA	NA	44703	336	2,388	140.7
44632	195	2,507	77.8	44704	150	1,036	144.8
44641	496	4,785	13.7	44705	688	4,887	140.8
44643	104	768	135.4	44706	660	4,406	149.8
44646	1,609	11,318	142.2	44707	407	2,491	163.4
44647	557	3,787	147.1	44708	724	5,159	140.3
44648	3	NA	NA	44709	387	3,530	109.6
44650	2	NA	NA	44710	408	2,304	177.1
44652	0	15	0	44714	238	1,876	126.9
44657	254	2,362	107.5	44718	178	2,350	75.7
44662	226	2,147	105.3	44720	688	8,609	79.9
44666	86	733	117.3	44721	301	2,881	104.5
44669	45	319	141.1	44730	117	1,245	94.0
44670	4	61	65.6	44735	1	NA	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

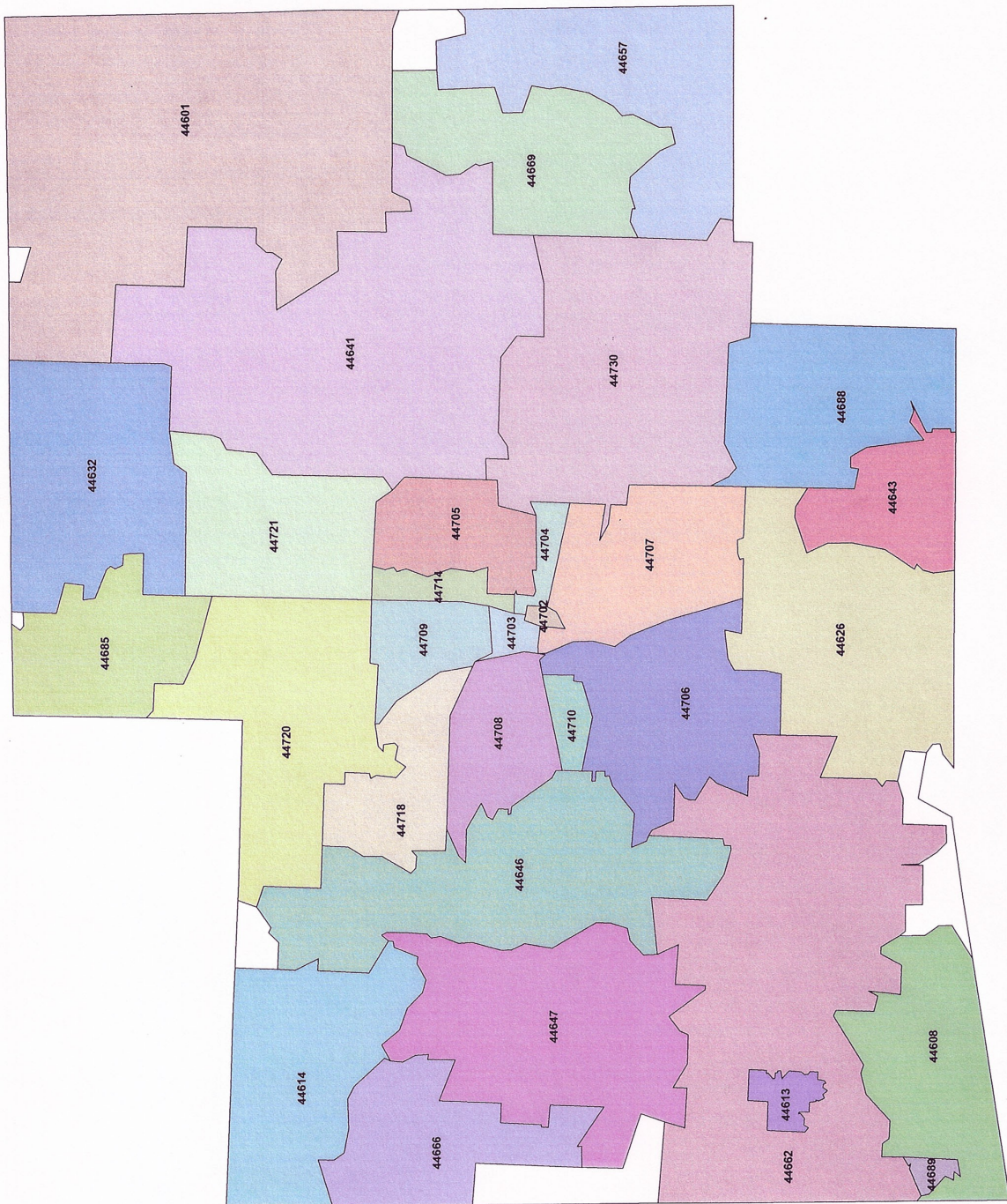
BY INJURY RATE (HIGHEST TO LOWEST)

44702	Canton City
44601	Alliance City, Lexington Twp., Marlboro Twp., Washington Twp.
44710	Canton City, Canton Twp., Perry Twp.
44707	Canton City, Canton Twp., North Industry, Waco
44706	Canton City, Canton Twp., East Sparta, Perry Twp.
44647	Lawrence Twp., Massillon City, Tuscarawas Twp.
44704	Canton City, Canton Twp.
44688	Sandy Twp., Waynesburg
44646	Jackson Twp., Lawrence Twp., Massillon City, Perry Twp., Tuscarawas Twp.
44669	Minerva, Paris Twp.

BY TOTAL NUMBER OF VISITS (HIGHEST TO LOWEST)

44646	Jackson Twp., Lawrence Twp., Massillon City, Perry Twp., Tuscarawas Twp.
44601	Alliance City, Lexington Twp., Marlboro Twp., Washington Twp.
44708	Canton City, Canton Twp., Hills & Dales Village, Jackson Twp., Perry Twp., Plain Twp.
44705	Canton City, Plain Twp.
44720	Greentown, Hartville, Jackson Twp., Lake Twp., North Canton, Plain Twp.
44706	Canton City, Canton Twp., East Sparta, Perry Twp.
44647	Lawrence Twp., Massillon City, Tuscarawas Twp.
44641	Louisville City, Hartville, Nimishillen Twp., Osnaburg Twp., Plain Twp.
44685	Lake Twp., Uniontown
44710	Canton City, Canton Twp., Perry Twp.

STARK COUNTY MAP



ZIP CODE DESCRIPTION

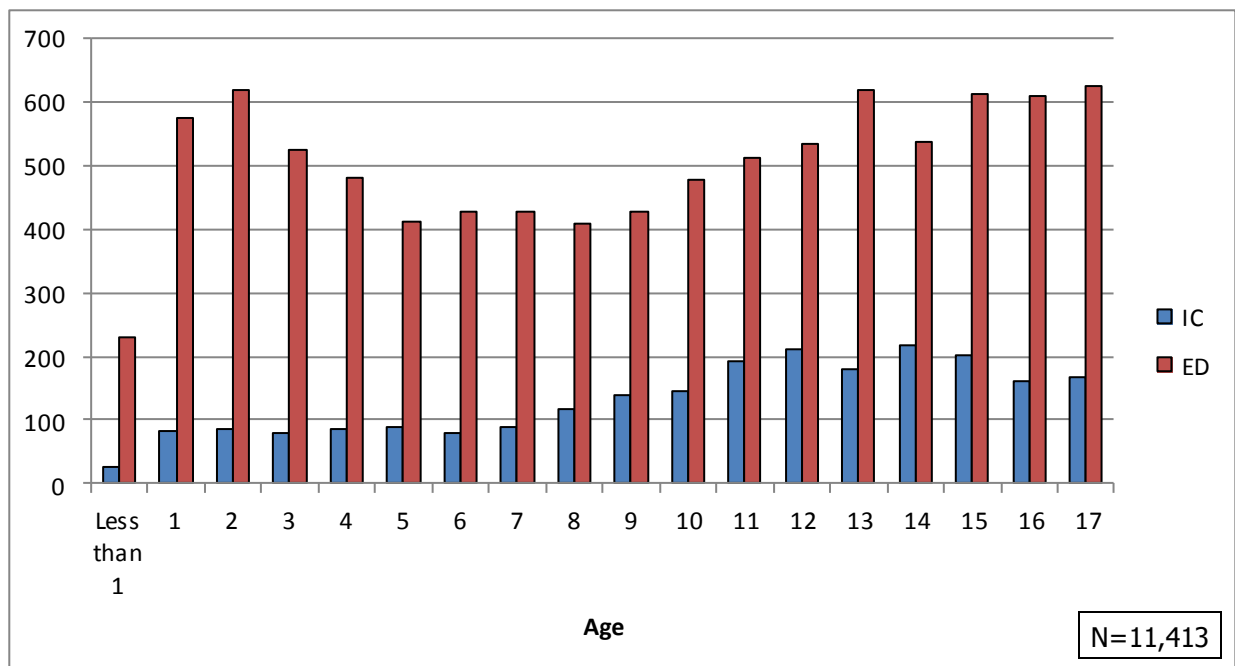
For each child treated, the zip code reported is where the child lives, not necessarily where the injury occurred. For the purposes of this report, the following areas are identified to each zip.

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

VISITS BY AGE

Patient Age	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
Less than 1	27	230	257
1	84	576	660
2	86	620	706
3	79	524	603
4	85	482	567
5	90	412	502
6	80	428	508
7	89	427	516
8	116	408	524
9	138	429	567
10	146	478	624
11	192	512	704
12	211	533	744
13	180	620	800
14	216	537	753
15	203	612	815
16	162	609	771
17	166	626	792

Visits by Age

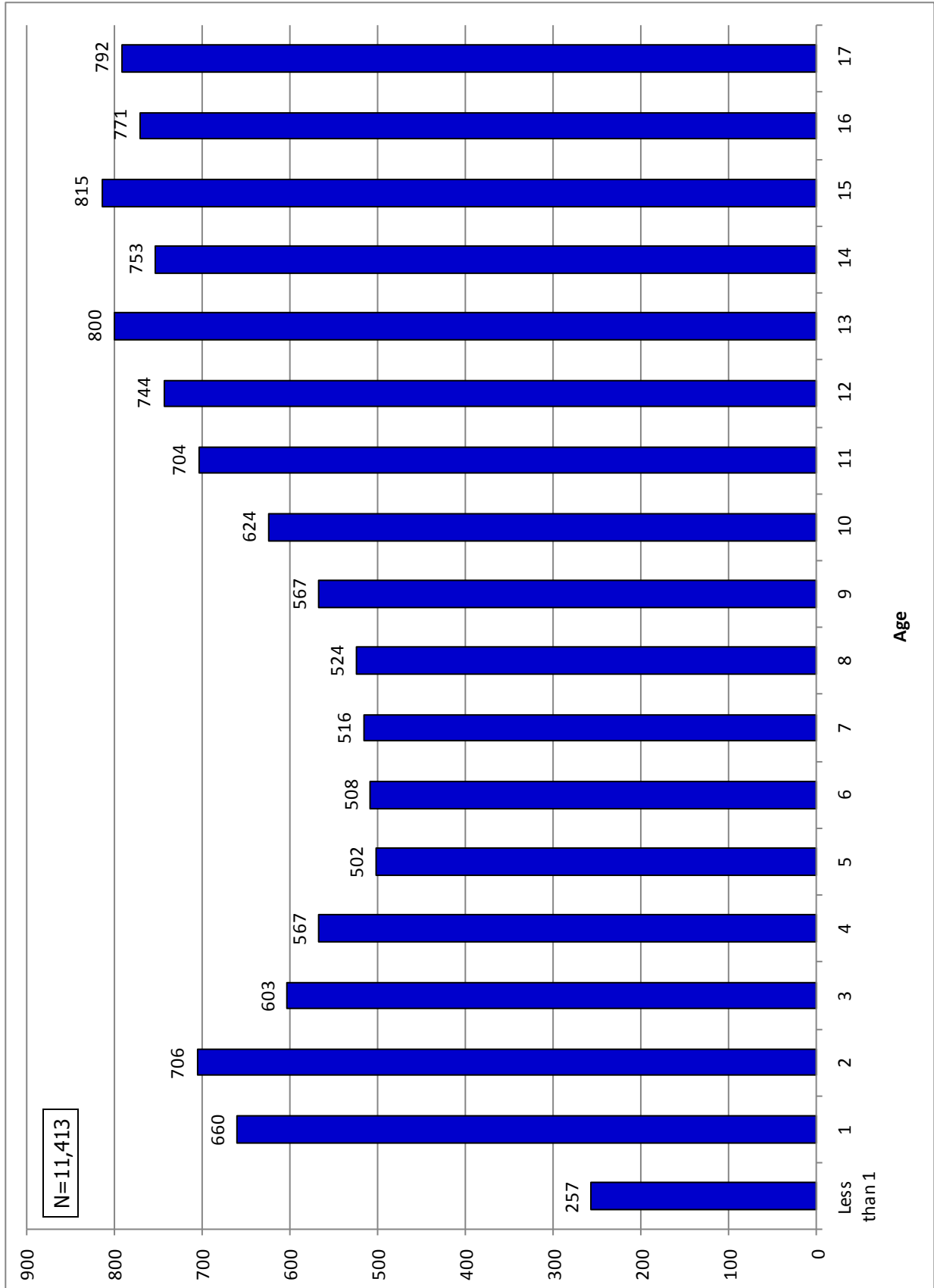


VISITS BY AGE

AGE	# OF INJURIES	% OF TOTAL INJURIES	POPULATION*	RATE OF INJURY PER 1,000 POPULATION
LESS THAN 1	257	2.3%	4,099	62.7
1	660	5.8%	4,254	155.1
2	706	6.2%	4,464	158.2
3	603	5.3%	4,482	134.5
4	567	5.0%	4,531	125.1
5	502	4.4%	4,482	112.0
6	508	4.5%	4,569	111.2
7	516	4.5%	4,585	112.5
8	524	4.6%	4,630	113.2
9	567	5.0%	5,098	111.2
10	624	5.5%	4,924	126.7
11	704	6.2%	4,871	144.5
12	744	6.5%	5,051	147.3
13	800	7.0%	4,974	160.8
14	753	6.6%	5,127	146.9
15	815	7.1%	5,187	157.1
16	771	6.8%	5,231	147.4
17	792	6.9%	5,427	145.9
TOTAL	11,413	100	85,986	132.7

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

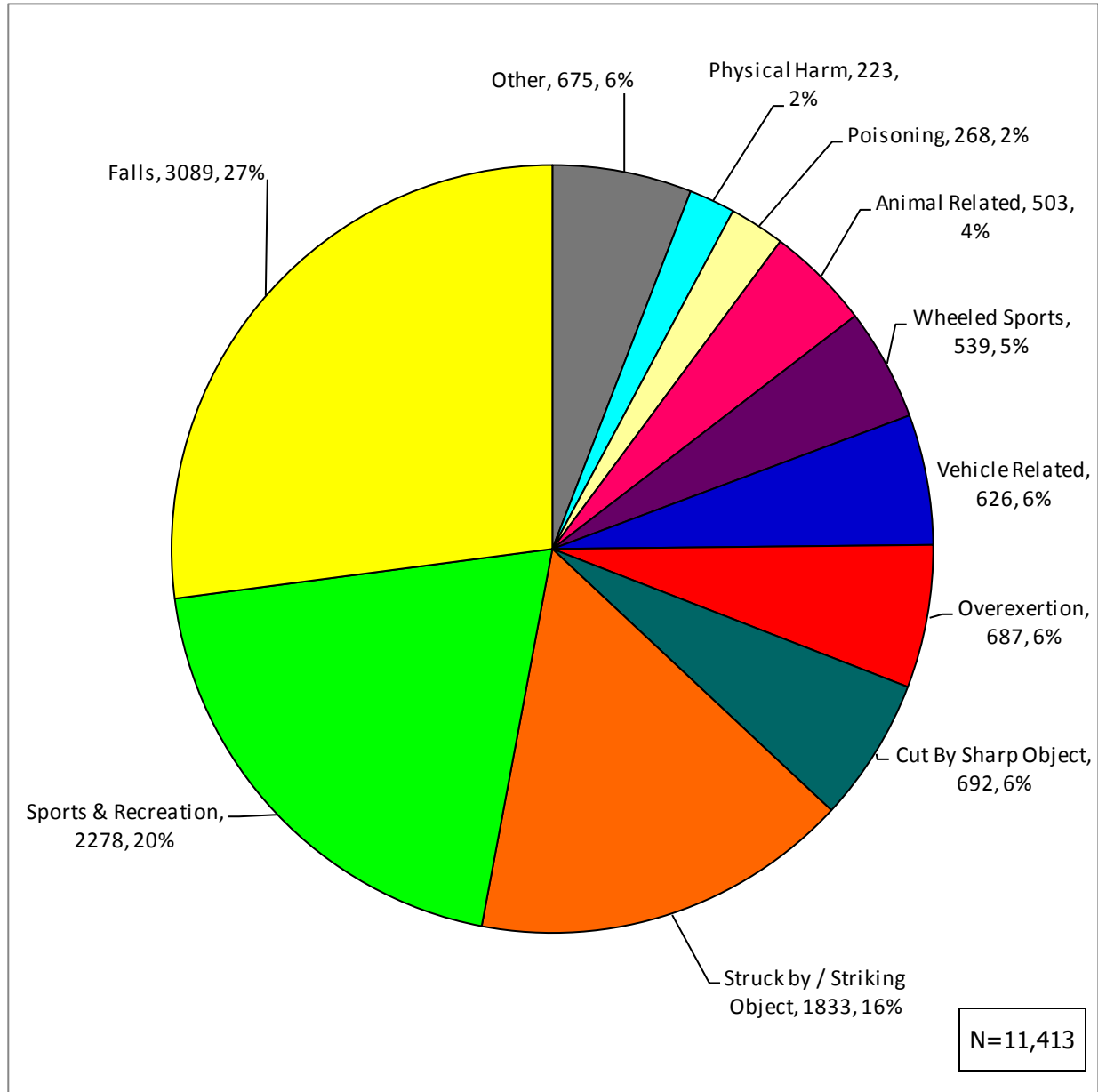
VISITS BY AGE



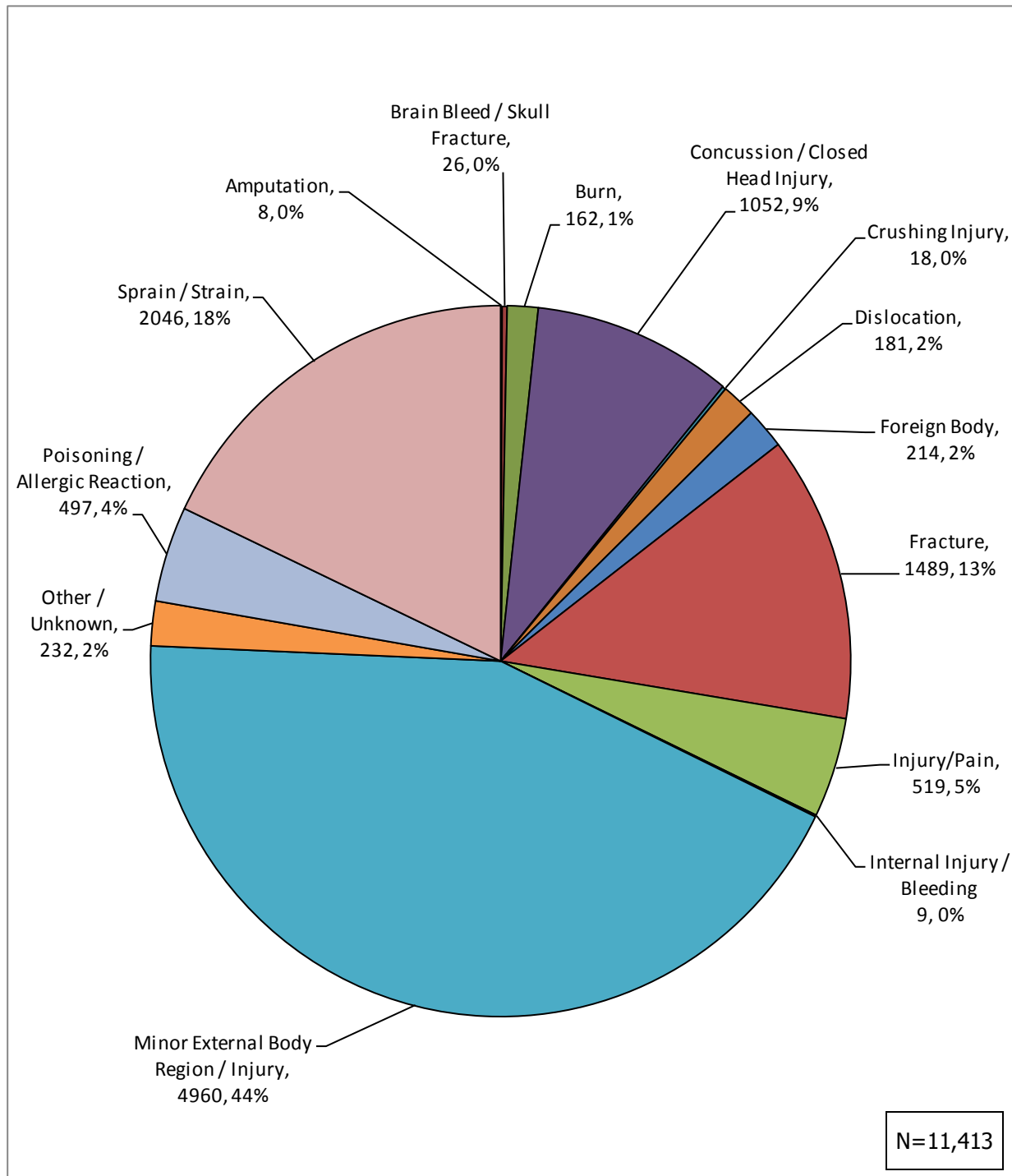
CAUSE OF INJURY

	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
Animal Related	79	431	503
Attempted Suicide	2	128	130
Burns & Fire Related	37	122	159
Choking / Suffocation	0	0	0
Cut by Sharp Object	135	559	692
Falls	518	2,532	3,089
Fire Arm	2	13	15
Foreign Body	6	174	180
Generic Accident	6	172	177
Overexertion & Strenuous Movements	199	490	687
Physical Harm	19	204	223
Poisoning	32	236	268
Sports & Recreation	667	1,638	2,278
Struck by / Striking Object	487	1,352	1,833
Vehicle Related	47	579	626
Water Related	3	4	6
Weather	0	8	8
Wheeled Sports	117	421	539

CAUSE OF INJURY



SEVERITY OF INJURY



SEVERITY OF INJURY

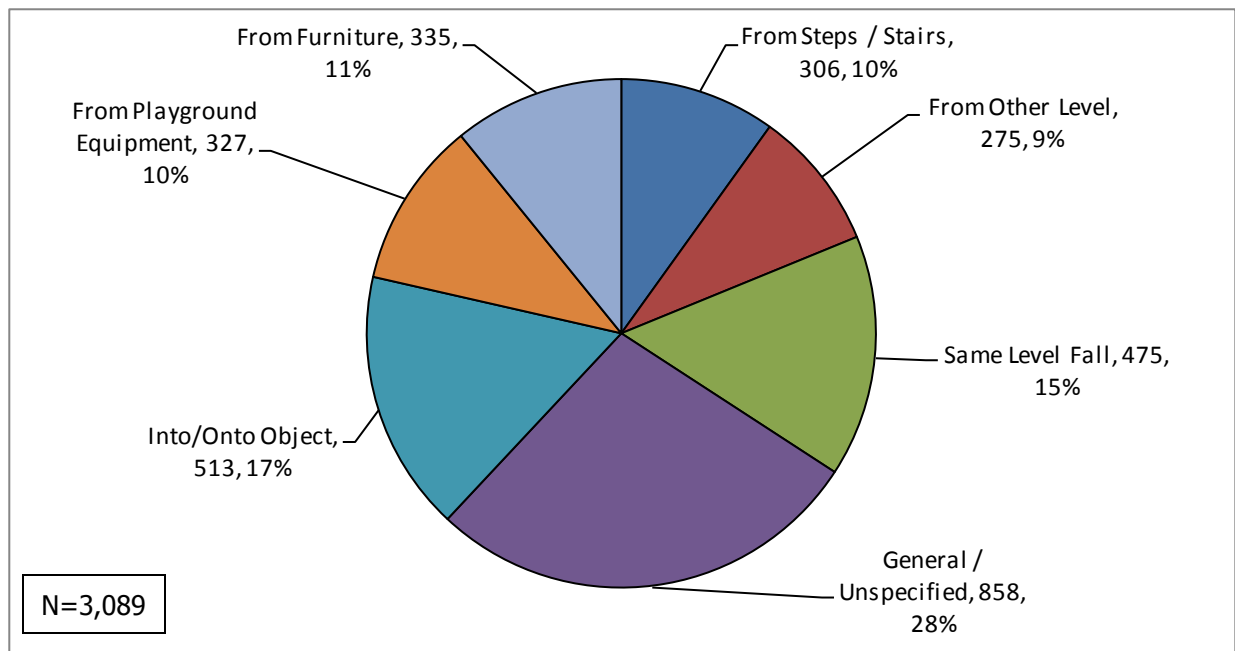
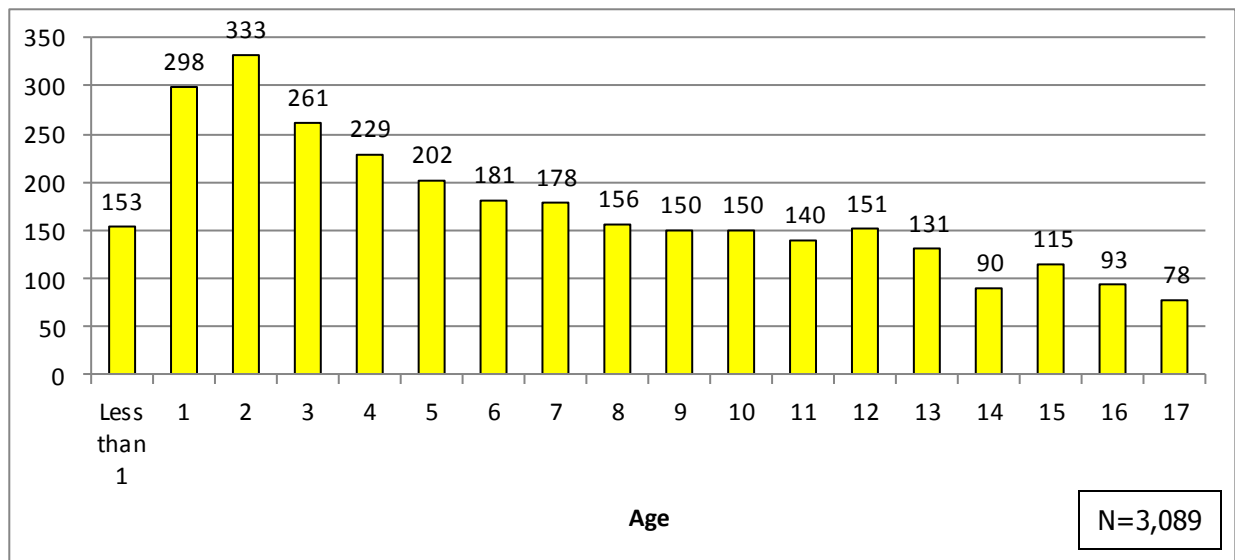
	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
Amputation	0	8	8
Brain Bleed/Skull Fracture	0	26	26
Burn	41	121	162
Concussion/Closed Head Injury	47	1,005	1,052
Crushing Injury	1	17	18
Dislocation	31	150	181
Foreign Body	9	205	214
Fracture	361	1,128	1,489
Injury/Pain	149	370	519
Internal Injury	0	9	9
Minor External Body Region/Injury	1,085	3,875	4,960
Other/Unknown	13	219	232
Poisoning/Allergic Reaction	42	455	497
Sprain/Strain	571	1,475	2,046

1 - FALLS

Falls were the leading cause of injury. There were 3,089 children treated for this injury, accounting for 27.1% of the visits.

Facts:

- 82.6% were treated at the Hospital ED
- 10.5% occurred in May
- 53.8% patients treated were male
- 97.7% were discharged from the ED/IC
- 47.2% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

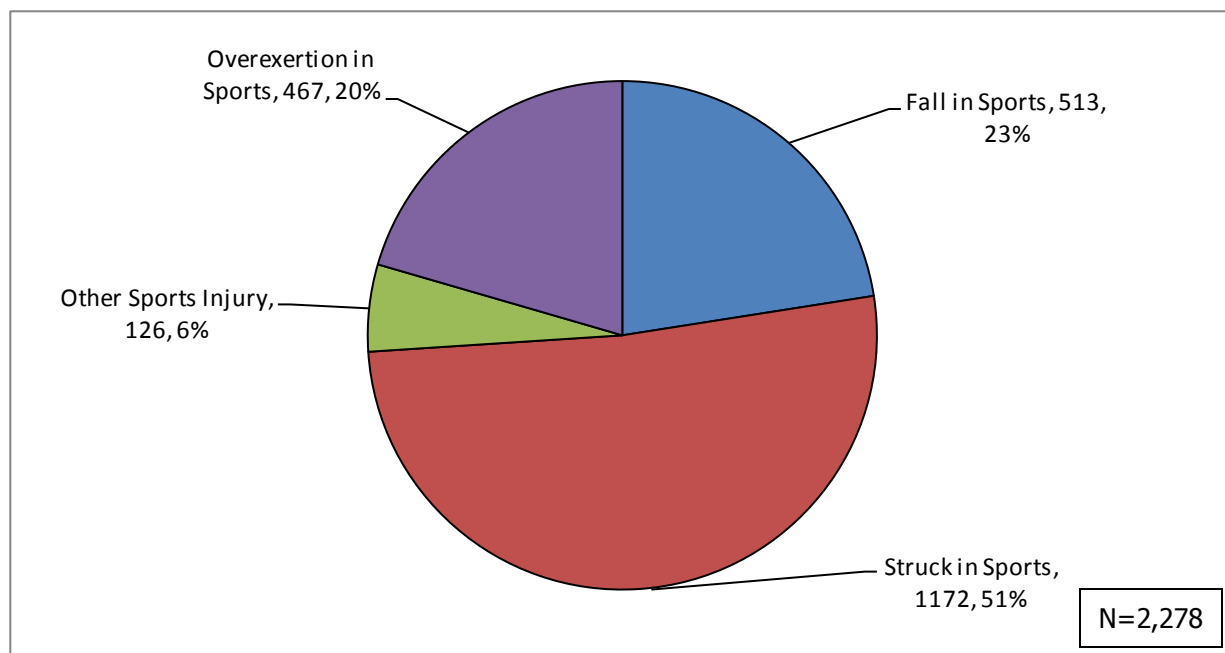
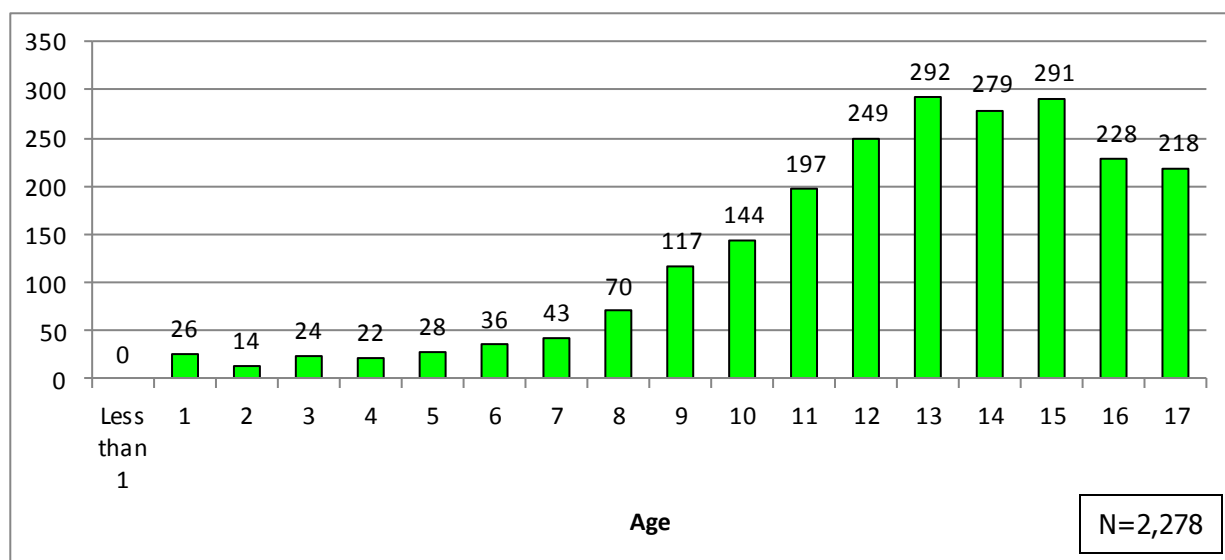


2 - SPORTS & RECREATION

Sports & Recreation was the second leading cause of injury. There were 2,278 children treated for this injury, accounting for 20.0% of the visits.

Facts:

- 71.6% were treated at the Hospital ED
- 15.7% occurred in September
- 68.3% patients treated were male
- 98.6% were discharged from the ED/IC
- 34.0% resulted in a Sprain/Strain

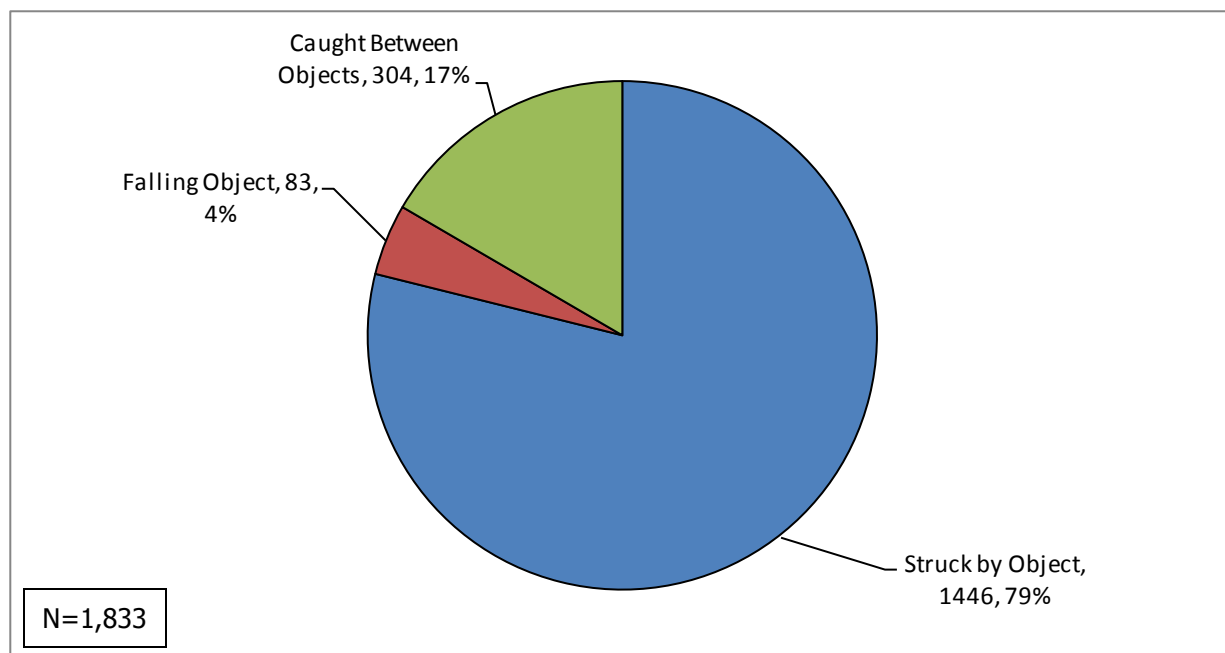
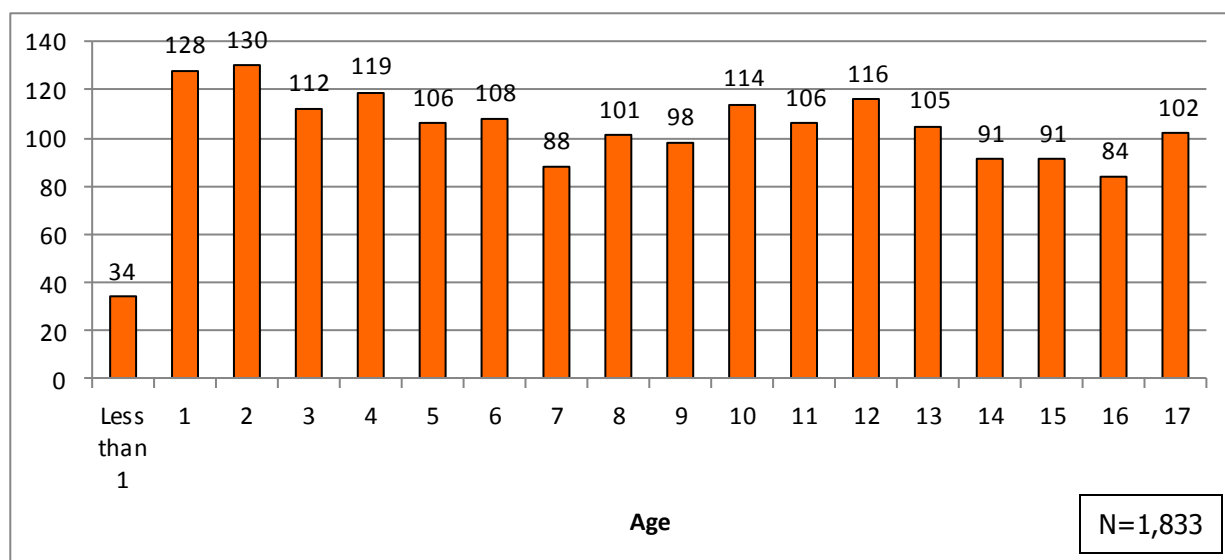


3 - STRUCK BY / STRIKING OBJECT

Struck by / Striking Object was the third leading cause of injury. There were 1,833 children treated for this injury, accounting for 16.1% of the visits.

Facts:

- 73.5% were treated at the Hospital ED
- 10.8% occurred in May
- 58.2% patients treated were male
- 99.3% were discharged from the ED/IC
- 64.9% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

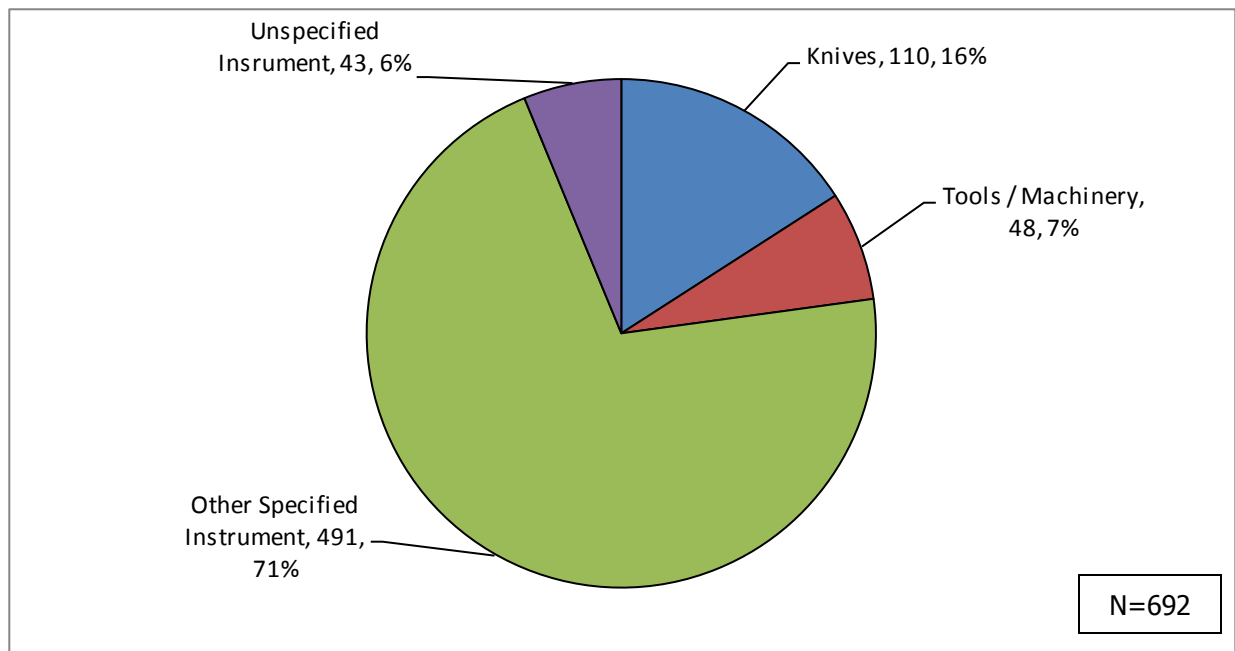
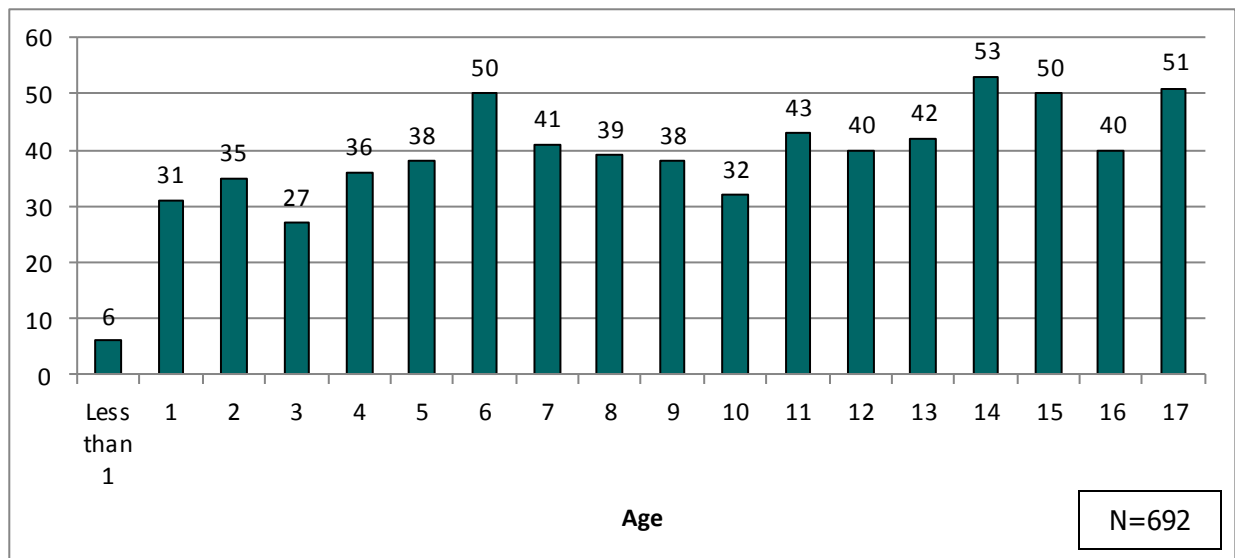


4 - CUT BY SHARP OBJECT

Cut by Sharp Object was the forth leading cause of injury. There were 692 children treated for this injury, accounting for 6.1% of the visits.

Facts:

- 80.5% were treated at the Hospital ED
- 15.1% occurred in July
- 61.5% patients treated were male
- 99.1% were discharged from the ED/IC
- 90.9% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

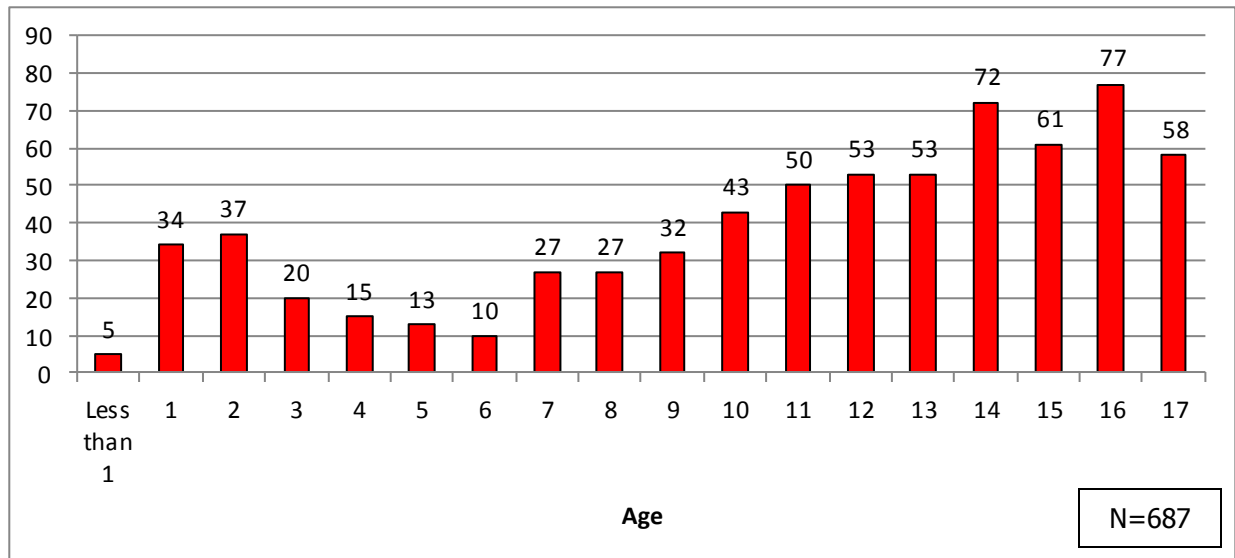


5 - OVEREXERTION & STRENUOUS MOVEMENTS

Overexertion & Strenuous Movements was the fifth leading cause of injury. There were 687 children treated this related injury, accounting for 6.0% of the visits.

Facts:

- 70.1% were treated at the Hospital ED
- 11.3% occurred in May
- 58.5% patients treated were female
- 99.6% were discharged from the ED/IC
- 65.7% resulted in a Sprain/Strain



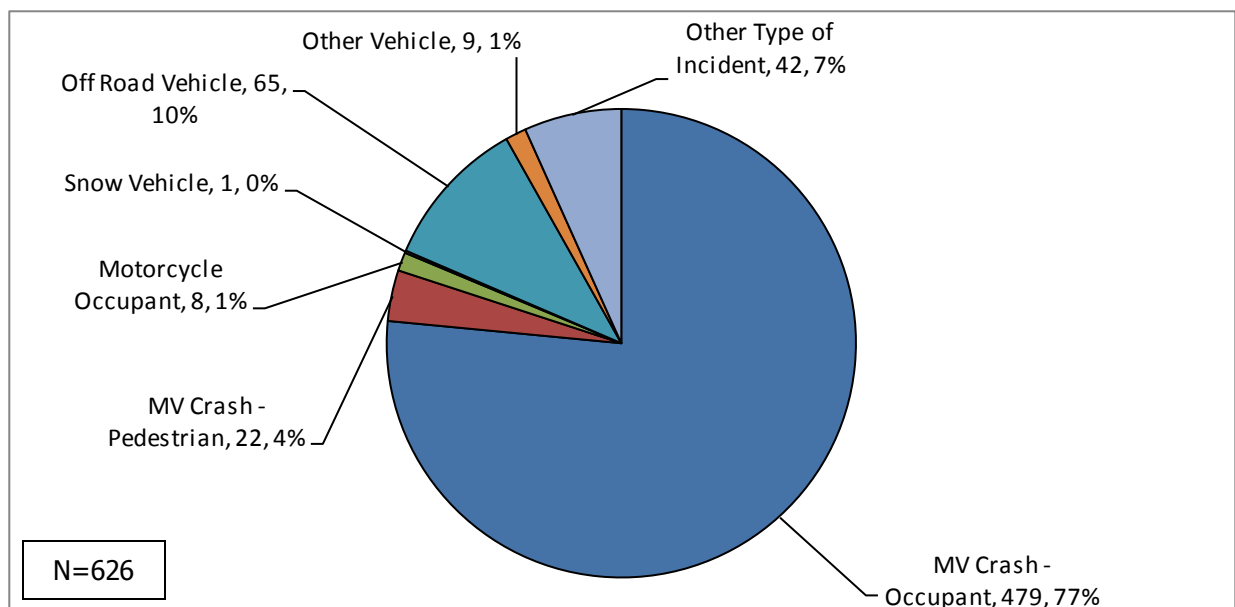
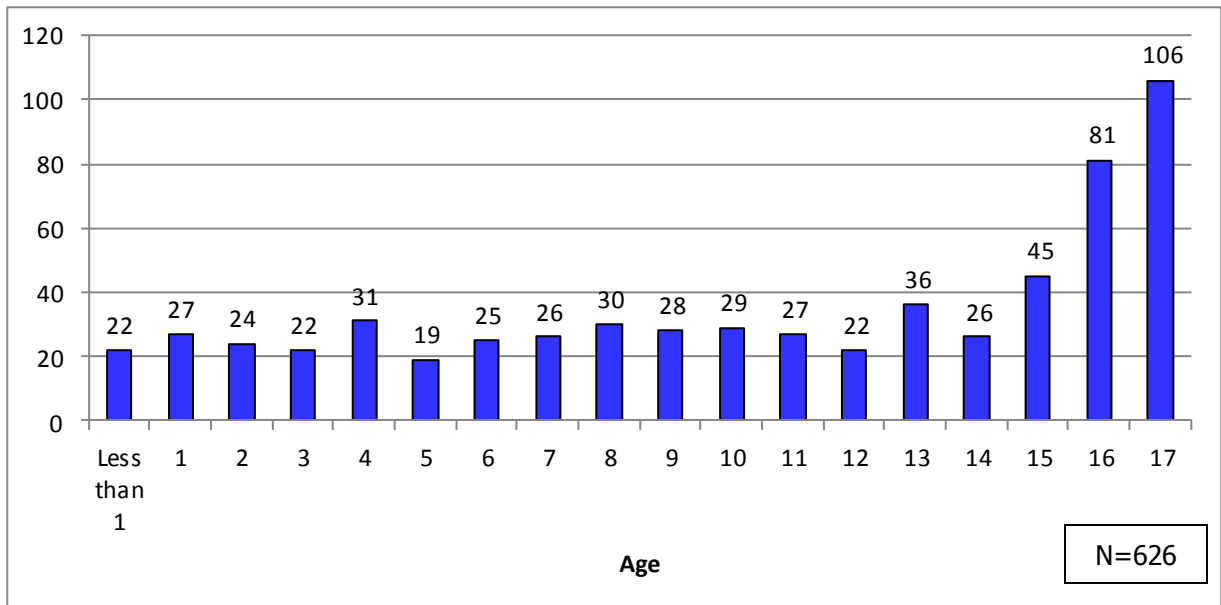
An Overexertion & Strenuous Movement Injury includes a type of injury where the body is stressed beyond normal capabilities causing injury.

6 - VEHICLE RELATED

Vehicle Related was the sixth leading cause of injury. There were 626 children treated for this injury, accounting for 5.5% of the visits.

Facts:

- 92.5% were treated at the Hospital ED
- 11.5% occurred in April
- 50.0% patients treated were female and 50.0% patients were male
- 96.3% were discharged from the ED/IC
- 29.9% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

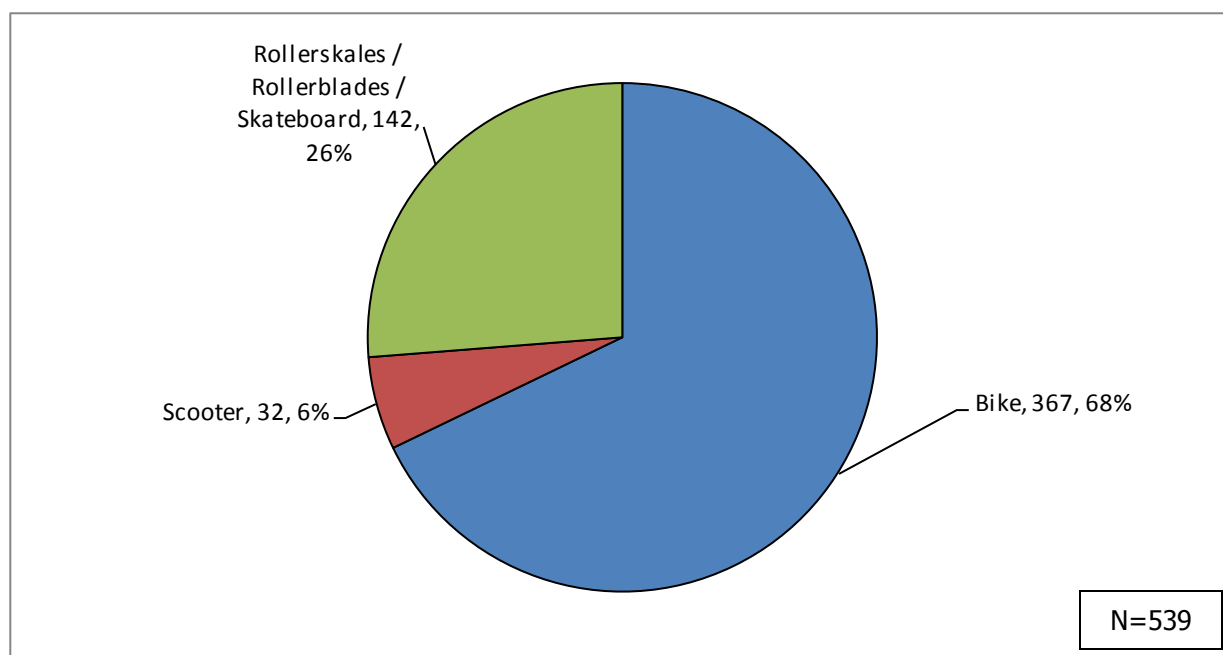
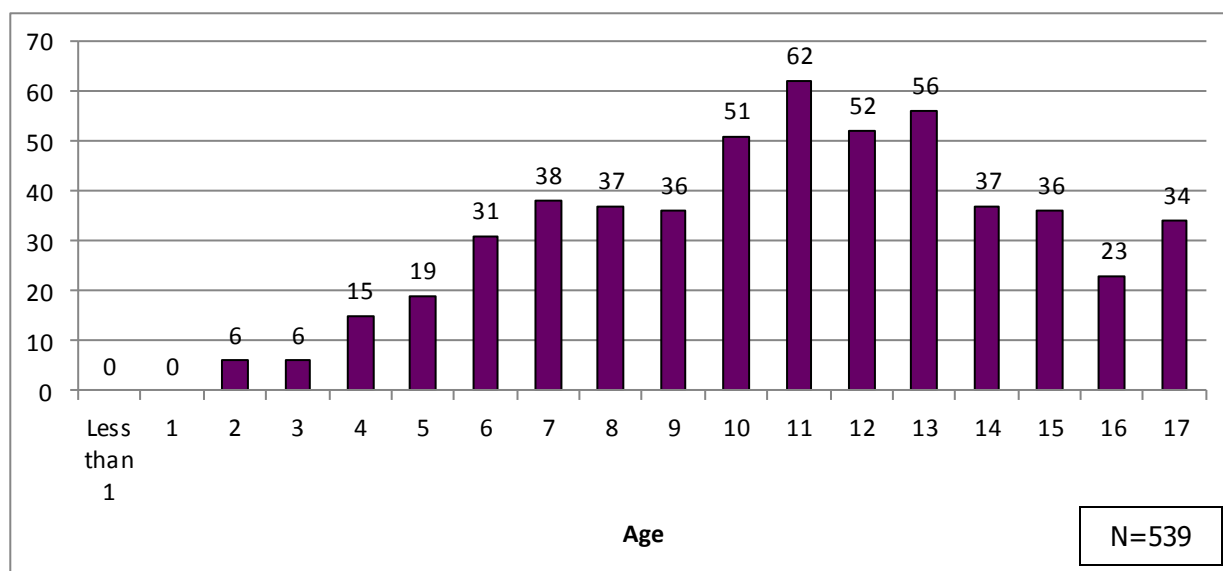


7 - WHEELED SPORTS

Wheeled Sports was the seventh leading cause of injury. There were 539 children treated for this injury, accounting for 4.7% of the visits.

Facts:

- 78.3% were treated at the Hospital ED
- 16.2% occurred in August
- 65.4% patients treated were male
- 97.8% were discharged from the ED/IC
- 45.0% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

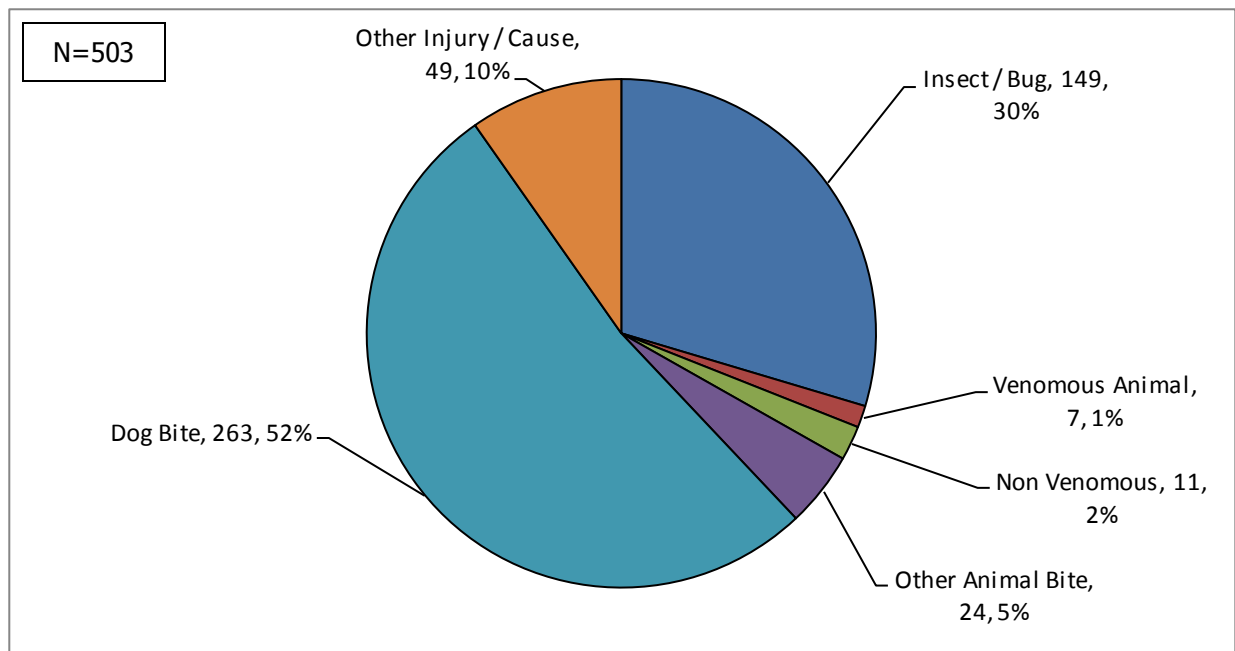
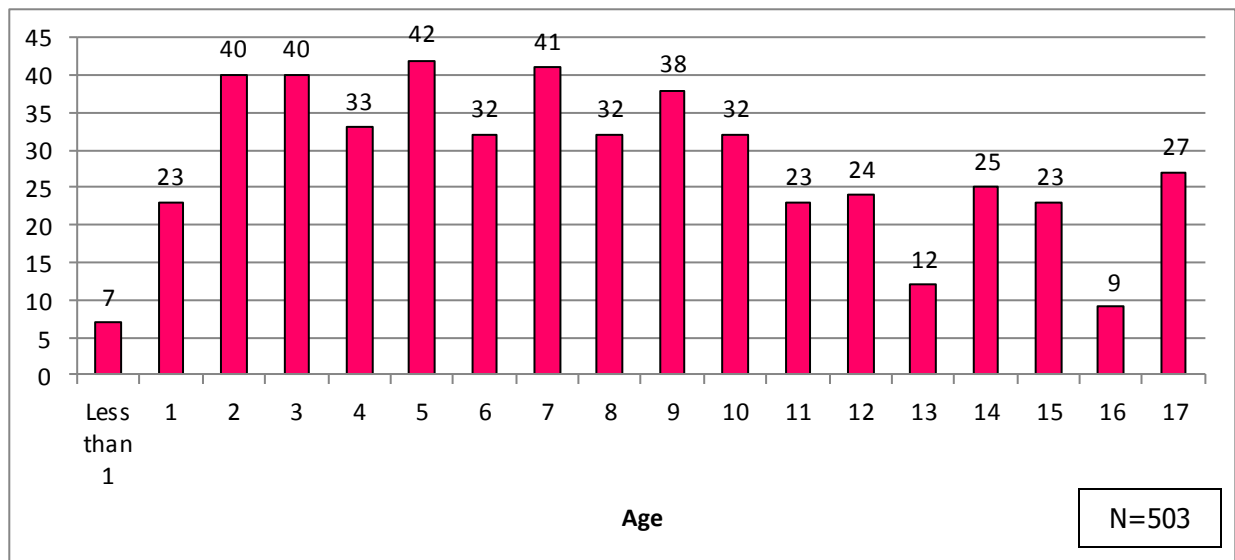


8 - ANIMAL RELATED

Animal Related was the eighth leading cause of injury. There were 503 children treated for this injury, accounting for 4.4% of the visits.

Facts:

- 85.5% were treated at the Hospital ED
- 14.3% occurred in May
- 53.6% patients treated were male
- 97.4% were discharged from the ED/IC
- 62.9% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

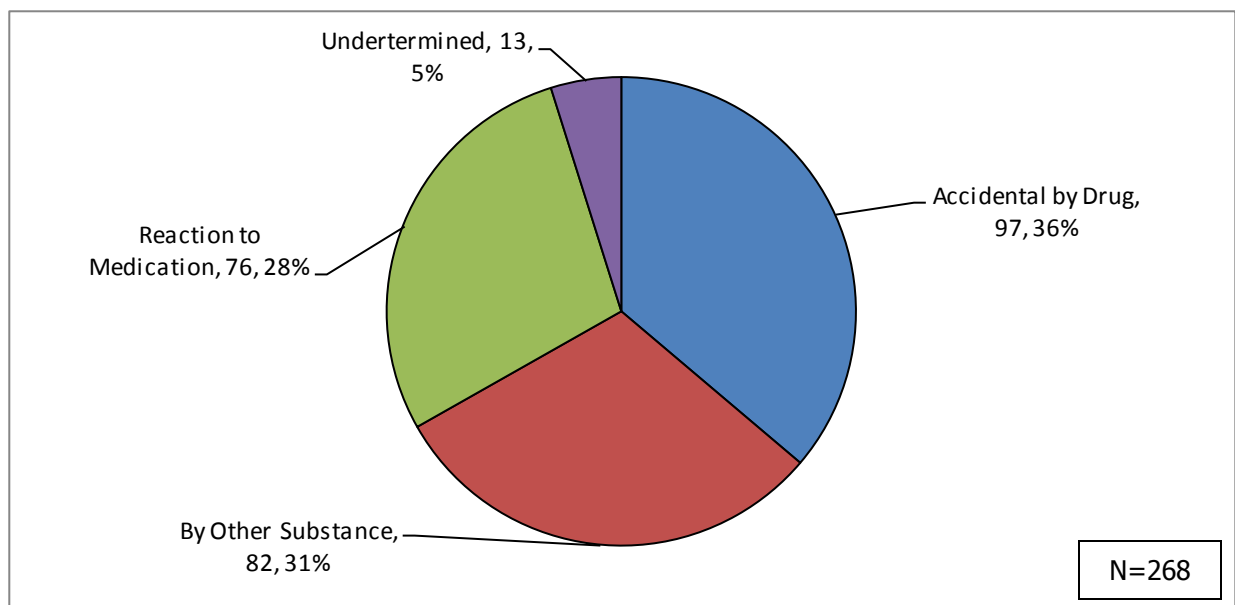
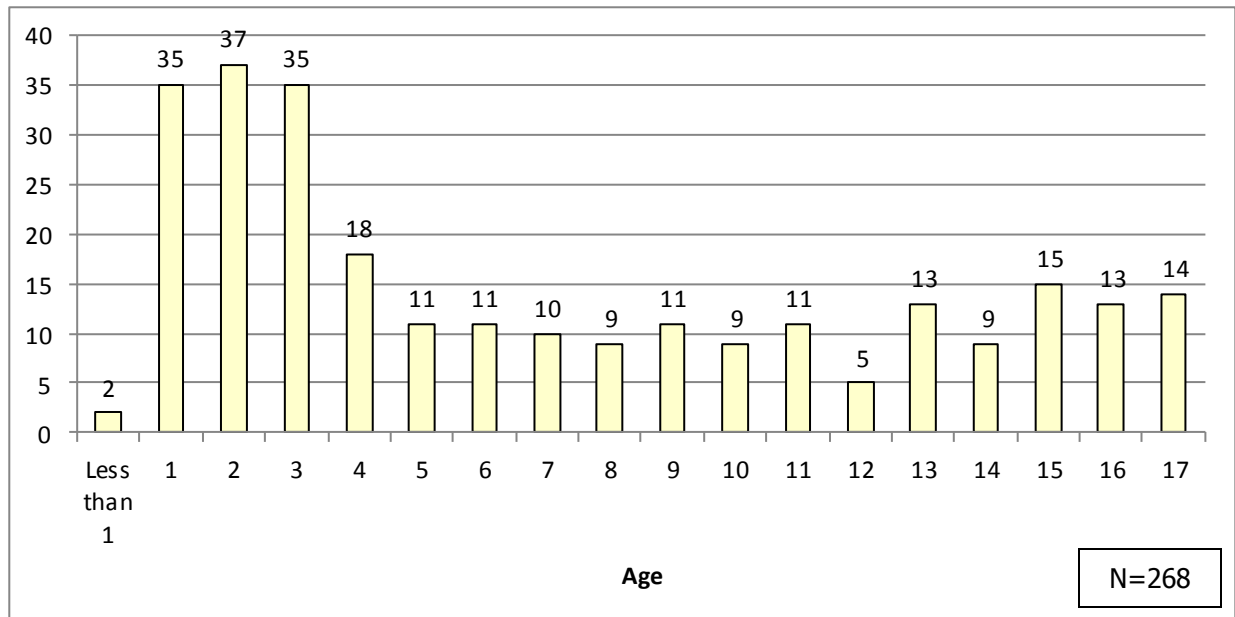


9 - POISONING

Poisoning was the ninth leading cause of injury. There were 268 children treated for this, accounting for 1.6% of the visits.

Facts:

- 88.1% were treated at the Hospital ED
- 10.4% occurred in May and 10.4% occurred in July
- 57.1% patients treated were male
- 87.3% were discharged from the ED/IC
- 98.5% resulted in a Poisoning/Allergic Reaction

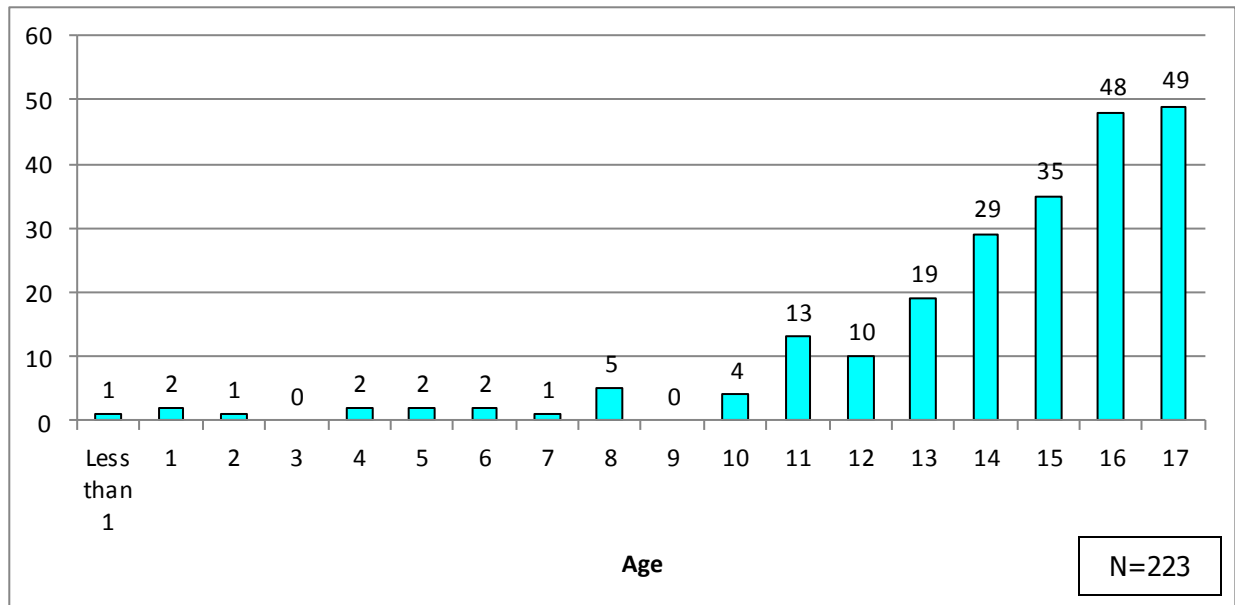


10 - PHYSICAL HARM

Physical Harm was the tenth leading cause of injury. There were 223 children treated for this injury, accounting for 2.0% of the visits.

Facts:

- 91.5% were treated at the Hospital ED
- 11.2% occurred in November
- 66.4% patients treated were male
- 95.5% were discharged from the ED/IC
- 55.6% 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	180
Generic Accident	177
Burns & Fire Related	159
Attempted Suicide	130
Fire Arm	15
Weather Related	8
Water Related	6
Choking / Suffocation	0
TOTAL OTHER INJURIES	675



LEADING CAUSE OF INJURY BY AGE

AGE	TOTAL NUMBER	LEADING CAUSE NUMBER/PERCENT	SECOND LEADING CAUSE NUMBER/PERCENT	THIRD LEADING CAUSE NUMBER/PERCENT	FOURTH LEADING CAUSE NUMBER/PERCENT	FIFTH LEADING CAUSEFO INJURY NUMBER/PERCENT
LESS THAN 1	257	Falls 153 or 60.0%	Struck by/Striking 34 or 13.2%	Vehicle Related 22 or 8.6%	Foreign Body 11 or 4.3%	Animal Related 7 or 2.7%
1	660	Falls 298 or 45.2%	Struck by/Striking 128 or 19.4%	Poisoning 35 or 5.3%	Cut By Sharp Object 31 or 4.7%	Vehicle Related 27 or 4.1%
2	706	Falls 333 or 47.2%	Struck by/Striking 130 or 18.4%	Animal Related 40 or 5.7%	Poisoning and Overexertion 37 or 5.2%	Cut By Sharp Object 35 or 5.0%
3	603	Falls 261 or 43.3%	Struck by/Striking 112 or 18.6%	Animal Related 40 or 6.6%	Poisoning 35 or 5.8%	Foreign Body 29 or 4.8%
4	567	Falls 229 or 40.4%	Struck by/Striking 119 or 21.0%	Cut By Sharp Object 36 or 6.3%	Animal Related 33 or 5.8%	Vehicle Related 31 or 5.5%
5	502	Falls 202 or 40.2%	Struck by/Striking 106 or 21.1%	Animal Related 42 or 8.4%	Cut By Sharp Object 38 or 7.6%	Sports & Recreation 28 or 5.6%
6	508	Falls 181 or 35.6%	Struck by/Striking 108 or 21.3%	Cut By Sharp Object 50 or 9.8%	Sports & Recreation 36 or 7.1%	Animal Related 32 or 6.3%
7	516	Falls 178 or 34.5%	Struck by/Striking 88 or 17.1%	Sports & Recreation 43 or 8.3%	Cut By Sharp Object and Animal Related 41 or 7.9%	Wheeled Sports 48 or 7.4%
8	524	Falls 1560 or 29.8%	Struck by/Striking 101 or 19.3%	Sports & Recreation 70 or 13.4%	Cut By Sharp Object 39 or 7.4%	Wheeled Sports 37 or 7.1%
9	567	Falls 150 or 26.5%	Sports & Recreation 117 or 20.6%	Struck by/Striking 98 or 17.3%	Animal Related 38 or 6.7%	Cut By Sharp Object 38 or 6.7%

LEADING CAUSE OF INJURY BY AGE

AGE	TOTAL NUMBER	LEADING CAUSE NUMBER/PERCENT	SECOND LEADING CAUSE NUMBER/PERCENT	THIRD LEADING CAUSE NUMBER/PERCENT	FOURTH LEADING CAUSE NUMBER/PERCENT	FIFTH LEADING CAUSE NUMBER/PERCENT
10	624	Sports & Recreation 144 or 23.1%	Falls 150 or 24.0%	Struck by/Striking 114 or 18.3%	Wheeled Sports 51 or 8.2%	Overexertion 43 or 6.9%
11	704	Sports & Recreation 197 or 28.0%	Falls 140 or 19.9%	Struck by/Striking 106 or 15.1%	Wheeled Sports 62 or 8.8%	Overexertion 50 or 7.1%
12	744	Sports & Recreation 2491 or 33.5%	Falls 151 or 20.3%	Struck by/Striking 116 or 15.6%	Overexertion 53 or 7.1%	Wheeled Sports 52 or 7.0%
13	800	Sports & Recreation 292 or 36.5%	Falls 131 or 16.4%	Struck by/Striking 105 or 13.1%	Wheeled Sports 56 or 7.0%	Overexertion 53 or 6.6%
14	753	Sports & Recreation 279 or 37.1%	Struck by/Striking 91 or 12.1%	Falls 90 or 12.0%	Overexertion 72 or 9.6%	Cut By Sharp Object 53 or 7.0%
15	815	Sports & Recreation 291 or 35.7%	Falls 115 or 14.1%	Struck by/Striking 91 or 11.2%	Overexertion 62 or 7.6%	Cut By Sharp Object 50 or 6.1%
16	771	Sports & Recreation 228 or 29.6%	Falls 93 or 12.1%	Struck by/Striking 84 or 10.9%	Vehicle Related 81 or 10.5%	Overexertion 77 or 10.0%
17	792	Sports & Recreation 218 or 27.5%	Vehicle Related 109 or 13.8%	Struck by/Striking 102 or 12.9%	Falls 78 or 9.8%	Overexertion 58 or 7.3%

LEADING CAUSE OF INJURY BY ZIP CODE						
ZIP CODE	TOTAL NUMBER	LEADING CAUSE NUMBER/PERCENT	SECOND LEADING CAUSE NUMBER/PERCENT	THIRD LEADING CAUSE NUMBER/PERCENT	FOURTH LEADING CAUSE NUMBER/PERCENT	FIFTH LEADING CAUSE NUMBER/PERCENT
44601	1,492	Falls 411 or 27.5%	Struck by/Striking 272 or 18.2%	Sports & Recreation 165 or 11.1%	Cut By Sharp Object 104 or 7.0%	Overexertion 96 or 6.4%
44608	63	Sports & Recreation 18 or 28.6%	Falls 13 or 20.6%	Struck by/Striking 7 or 11.1%	Overexertion 6 or 9.5%	Vehicle Related and Animal Related 5 or 7.9%
44613	39	Falls 11 or 28.2%	Struck by/Striking 7 or 17.9%	Sports & Recreation and Poisoning 6 or 12.8%	Wheeled Sports 3 or 7.7%	Fire & Burns and Cut By Sharp Object 2 or 5.1%
44614	271	Falls and Sports & Recreation 66 or 24.4%	Struck by/Striking 50 or 18.5%	Vehicle Related 22 or 8.1%	Wheeled Sports & Cut By Sharp Object 17 or 6.3%	Animal Related 8 or 3.0%
44626	90	Falls 21 or 23.5%	Sports & Recreation and Struck by/Striking 20 or 22.2%	Animal Related 8 or 8.9%	Overexertion and Cut By Sharp Object 6 or 6.7%	Vehicle Related and Physical Harm 3 or 3.3%
44630	3	Vehicle Related, Wheeled Sports and Sports & Recreation 1 or 33.3%	—	—	—	—
44632	195	Falls 59 or 30.3%	Sports & Recreation 50 or 25.6%	Struck by/Striking 23 or 11.8%	Cut By Sharp Object 11 or 5.6%	Overexertion 10 or 5.1%
44641	496	Falls 140 or 28.2%	Sports & Recreation 112 or 22.6%	Struck by/Striking 67 or 13.5%	Overexertion 29 or 5.8%	Vehicle Related 26 or 5.2%

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER	LEADING CAUSE NUMBER/PERCENT	SECOND LEADING CAUSE NUMBER/PERCENT	THIRD LEADING CAUSE NUMBER/PERCENT	FOURTH LEADING CAUSE NUMBER/PERCENT	FIFTH LEADING CAUSE NUMBER/PERCENT
44643	104	Falls 29 or 27.9%	Sports & Recreation 24 or 23.1%	Struck by/Striking 16 or 15.4%	Cut By Sharp Object 6 or 5.8%	Vehicle Related, Animal Related, Poisoning and Overexertion 5 or 4.8%
44646	1,609	Falls 412 or 25.6%	Sports & Recreation 381 or 23.7%	Struck by/Striking 274 or 17.0%	Overexertion 93 or 5.8%	Vehicle Related 88 or 5.5%
44647	557	Sports & Recreation 160 or 28.7%	Falls 118 or 21.2%	Struck by/Striking 71 or 12.7%	Overexertion 36 or 6.5%	Animal Related 34 or 6.1%
44648	3	Falls, Overexertion, Sports & Recreation 1 or 33.3%	_____	_____	_____	_____
44650	2	Cut By Sharp Object and Falls 1 or 50.0%	_____	_____	_____	_____
44652	0	_____	_____	_____	_____	_____
44657	254	Falls 59 or 23.2%	Struck by/Striking 51 or 20.1%	Sports & Recreation 50 or 19.7%	Cut By Sharp Object 25 or 9.8%	Vehicle Related 20 or 7.9%
44662	226	Sports & Recreation 61 or 27.0%	Falls 47 or 20.8%	Struck by/Striking 39 or 17.3%	Cut By Sharp Object 14 or 6.2%	Overexertion 13 or 5.8%

LEADING CAUSE OF INJURY BY ZIP CODE						
ZIP CODE	TOTAL NUMBER	LEADING CAUSE NUMBER/PERCENT	SECOND LEADING CAUSE NUMBER/PERCENT	THIRD LEADING CAUSE NUMBER/PERCENT	FOURTH LEADING CAUSE NUMBER/PERCENT	FIFTH LEADING CAUSE NUMBER/PERCENT
44666	86	Sports & Recreation 23 or 26.7%	Falls 20 or 23.3%	Struck by/Striking 14 or 16.3%	Vehicle Related 9 or 10.5	Cut By Sharp Object 6 or 7.0%
44669	45	Falls 12 or 26.7%	Sports & Recreation 11 or 9.8%	Struck by/Striking 6 or 13.3%	Wheeled Sports & Overexertion 3 or 6.7%	Vehicle Related, Generic Accident and Fire/Burns 2 or 4.4%
44670	4	Falls 2 or 50.0%	Wheeled Sports and Struck by/Striking 1 or 25.0%	_____	_____	_____
44685	440	Sports & Recreation 126 or 28.6%	Falls 111 or 25.2%	Struck by/Striking 67 or 15.2%	Overexertion 32 or 7.3%	Wheeled Sports 23 or 5.2%
44688	106	Falls 31 or 29.2%	Sports & Recreation 21 or 19.8%	Struck by/Striking 18 or 17.0%	Vehicle Related 9 or 8.5%	Overexertion and Cut By Sharp Object 7 or 6.6%
44689	10	Falls 4 or 40.0%	Animal Related 2 or 20.0%	Wheeled Sports, Generic Accident, Struck by/Striking and Cut By Sharp Object 1 or 10.0%	_____	_____
44701	6	Falls and Struck by/Striking 2 or 33.3%	Wheeled Sports and Sports & Recreation 1 or 16.7%	_____	_____	_____

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER	LEADING CAUSE NUMBER/PERCENT	SECOND LEADING CAUSE NUMBER/PERCENT	THIRD LEADING CAUSE NUMBER/PERCENT	FOURTH LEADING CAUSE NUMBER/PERCENT	FIFTH LEADING CAUSE NUMBER/PERCENT
44702	29	Falls 9 or 31.0%	Struck by/Striking and Physical Harm 5 or 17.2%	Generic Accident, Cut by Sharp Object, and Attempted Suicide 2 or 6.9%	Foreign Body, Fire Arm, Overexertion and Sports & Recreation 1 or 3.4%	_____
44703	336	Falls 118 or 35.1%	Struck by/Striking 46 or 13.7%	Sports & Recreation 34 or 10.1%	Animal Related 23 or 6.8%	Cut By Sharp Object 22 or 6.5%
44704	150	Falls 34 or 22.7%	Struck by/Striking 32 or 21.3%	Sports & Recreation 24 or 16.0%	Cut By Sharp Object and Overexertion 11 or 7.3%	Vehicle Related 8 or 5.3%
44705	688	Falls 209 or 30.4%	Struck by/Striking 103 or 15.0%	Sports & Recreation 76 or 11.0%	Cut By Sharp Object 51 or 7.4%	Overexertion 42 or 6.1%
44706	660	Falls 173 or 26.2%	Sports & Recreation 120 or 18.2%	Struck by/Striking 99 or 15.0%	Overexertion 49 or 7.4%	Wheeled Sports and Cut By Sharp Object 42 or 6.4%
44707	407	Falls 120 or 29.5%	Sports & Recreation 69 or 17.7%	Struck by/Striking 54 or 13.3%	Cut By Sharp Object 31 or 7.6%	Vehicle Related 30 or 7.4%
44708	724	Falls 210 or 29.0%	Sports & Recreation 151 or 20.9%	Struck by/Striking 98 or 13.5%	Overexertion 56 or 7.7%	Vehicle Related 43 or 5.9%
44709	387	Falls 121 or 31.3%	Struck by/Striking 66 or 17.1%	Sports & Recreation 59 or 15.2%	Cut By Sharp Object 31 or 8.0%	Overexertion 21 or 5.4%

LEADING CAUSE OF INJURY BY ZIP CODE

ZIP CODE	TOTAL NUMBER	LEADING CAUSE NUMBER/PERCENT	SECOND LEADING CAUSE NUMBER/PERCENT	THIRD LEADING CAUSE OF INJURY NUMBER/PERCENT	FOURTH LEADING CAUSE NUMBER/PERCENT	FIFTH LEADING CAUSE NUMBER/PERCENT
44710	408	Falls 126 or 30.9%	Struck by/Striking 72 or 17.6%	Sports & Recreation 59 or 14.5%	Cut By Sharp Object 30 or 7.4%	Wheeled Sports 29 or 7.1%
44714	238	Falls 66 or 27.7%	Struck by/Striking 37 or 15.5%	Sports & Recreation 35 or 14.7%	Vehicle Related, Cut By Sharp Object and Overexertion 18 or 7.6%	Wheeled Sports 10 or 4.2%
44718	178	Sports & Recreation 45 or 25.3%	Falls 38 or 21.3%	Struck by/Striking 36 or 20.2%	Cut By Sharp Object 14 or 7.9%	Vehicle Related 11 or 6.2%
44720	688	Sports & Recreation 198 or 28.8%	Falls 185 or 26.9%	Struck by/Striking 110 or 16.0%	Overexertion 36 or 5.2%	Wheeled Sports 32 or 4.7%
44721	301	Sports & Recreation 85 or 28.2%	Falls 73 or 24.3%	Struck by/Striking 54 or 17.9%	Vehicle Related 19 or 6.3%	Cut By Sharp Object and Overexertion 16 or 5.3%
44730	117	Falls 36 or 30.8%	Sports & Recreation 26 or 22.2%	Struck by/Striking 15 or 12.8%	Animal Related 8 or 6.8%	Wheeled Sports and Physical Harm 5 or 4.3%
44735	1	Falls 1 or 100%				

SIGNIFICANT FINDINGS & RECOMMENDATIONS

- Following the 2013 Childhood Injury Report, begin looking at trends for future programming efforts.
- September had the highest total number of visits. September also had the highest number of visit for Immediate Care Facilities but the highest number of visits to Emergency Department facilities was August.
- Immediate Care Facilities treated approximately the same percentage of males and females, 20% and 21% respectively.
- 15 year olds had the highest total number of injuries, while 13 year olds had the highest rate of injury.
- The leading cause of injury among children ages 0-9 was *Falls*.
- 48% of all *Falls* are suffered by children age 5 and under.
- Over 80% 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* was the only category where females suffered more injuries than males.
- Nearly one third of all *Vehicle Related* injuries were suffered by 16 and 17 year olds.
- Nearly 70% of *Wheeled Sports* injuries were due to a bicycle.
- Dog bites accounted for over half of the *Animal Related* injuries.
- 40% of the *Poisonings* were suffered by children ages 1 to 3.
- *Physical Harm* injuries spike at age 11.

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: Provides low-cost car seats to income eligible families through the local health departments. Over 2,300 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 2,800 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 3,500 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. Over 8,000 smoke detectors and 17,000 batteries have been distributed.
- Family Safety Education Trailer: Mobile classroom used by local fire departments to educate on fire safety, home hazards and weather safety. Approximately 9,000 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 2,000 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. Parent surveys are analyzed and results are provided to the school and community leaders. Over 8,100 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 7,500 children and caregivers have been reached by this program.

Sports Safety

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