

Stark County Childhood Injury Report

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

**9th Annual Report
January 1, 2011 - December 31, 2011**

Report Prepared By:



Safe Kids Stark County
Data & Research Committee

Stark County Health Department
Administration & Support Services



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.

TABLE OF CONTENTS

TOPIC	PAGE #
Committee & Report Information	3
Value to the Community	4
Childhood Injury Trends	4
E-Code Headings	5
ICD 9 Code Headings	6
Demographic Analysis	7
Total Visits	8
Visits by Gender	9
Visits by Race	10
Visits by Month	11
Disposition of Treatment	12
Visits by Zip Code	13-15
Stark County Map	16
Zip Code Description	17
Visits by Age	18-20
Cause of Injury	21-22
Severity of Injury	23-24
Leading Causes of Injury	25-37
Falls	25
Sports & Recreation	26
Struck by / Striking Object	27
Cut by Sharp Object	28
Overexertion & Strenuous Movements	29
Vehicle Related	30
Wheeled Sports	31
Animal Related	32
Generic Accident	33
Physical Harm	34
Foreign Body	35
Burns & Fire Related	36
Poisoning	37
Other Causes of Injury	38
Leading Cause of Injury by Age	39
Leading Cause of Injury by Zip Code	40-42
Significant Findings & Recommendations	43
Safe Kids Injury Prevention Programs	44

COMMITTEE & REPORT INFORMATION

Safe Kids Data & Research Committee

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

Debbie Lichtenwalter, CSTR
Affinity Medical Center / Safe Kids Data Chair

Kay Conley, MPA, CHES
Stark County Health Department

Danette Lund, M. Ed.

Joyce Himebaugh, RN
Affinity Medical Center

Sheree Nuske, RN, BSN
Aultman Hospital

Amanda Kelly, BA, CHES
Stark County Health Department / Safe Kids
Stark County Coordinator

Debbie Sharkey, BA
David YMCA

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, 2011 through December 31, 2011. 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:

Prior to 2010 reports did not include Immediate Care Facilities

Prior to 2009 reports included only children under age 14

NEW: 2011 report includes revised injury headings, severity of injury and data from Akron Children's Hospital, as well as updated census data

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, 2003-2010 County Reports, 2007 Trend Report (3 years), 2007, 2009 and 2011 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, 2011 through December 31, 2011. During that time 14,326 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 40.

- Animal Related
- Attempted Suicide
- Burns & Fire Related (formerly two separate categories)
- Choking / Suffocation
- Cut by Sharp Object (includes former category of Machinery)
- Falls
- Fire Arms
- Foreign Body (Not Choking)
- Generic Accident
- Overexertion & Strenuous Movements
- Physical Harm (includes former category of Human Bites)
- 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



DEMOGRAPHIC ANALYSIS - IMMEDIATE CARE (IC)

May, April & September were busiest months, respectively

11, 13 & 10 year olds were treated most often, respectively

Gender

-57.8% were male; 42.2% were female

Leading Cause of Injury

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

DEMOGRAPHIC ANALYSIS - HOSPITAL ED (ED)

May, September & June were busiest months, respectively

2, 15 & 17 year olds were treated most often, respectively

Gender

-58.3% were male; 41.7% were female

Leading Cause of Injury

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

DEMOGRAPHIC ANALYSIS - COMBINED DATA

14,326 total patients

-68.4% treated @ Hospital Emergency Departments (ED)

-31.6% treated @ Immediate Care Facilities (IC)

May, September & June were busiest months, respectively

14, 15 & 13 year olds were treated most often, respectively

Gender

-58.8% were male; 41.2% were female

Leading Zip Code (Raw Numbers)

-44646, 44601, 44720

Leading Zip Codes (Rate of Injury)

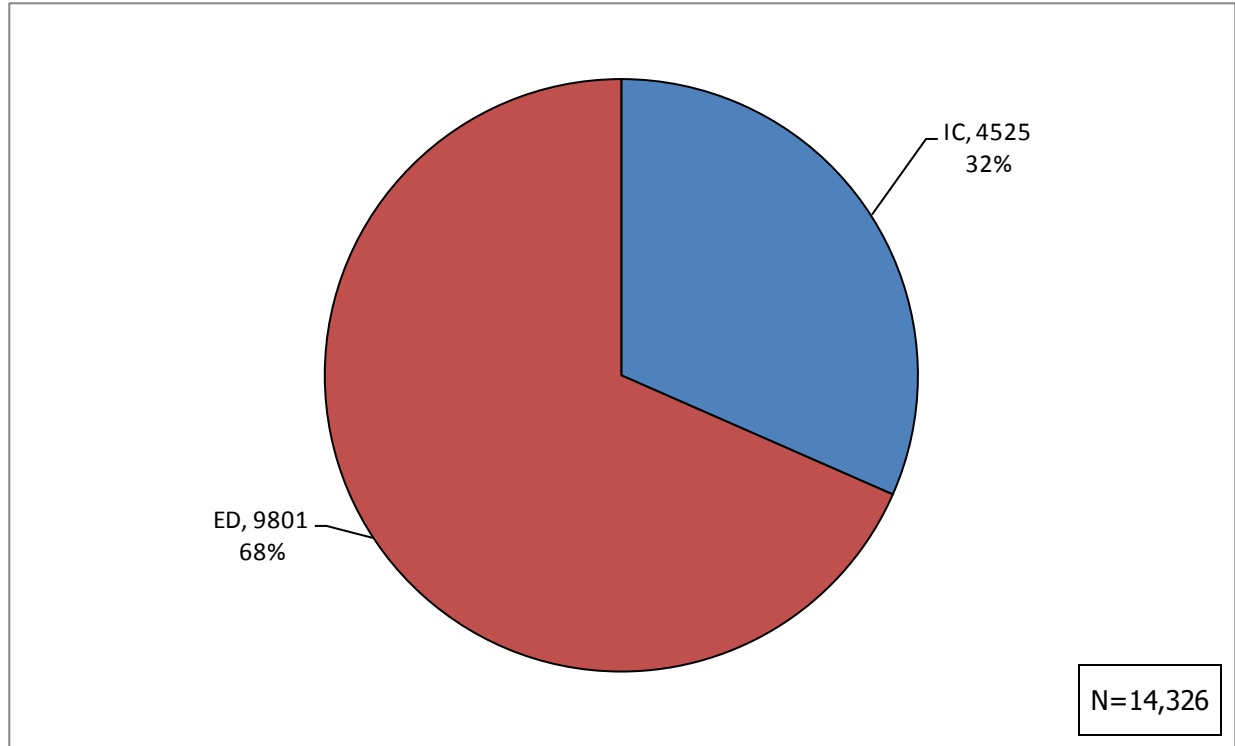
-44702, 44707, 44626

Leading Cause of Injury

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

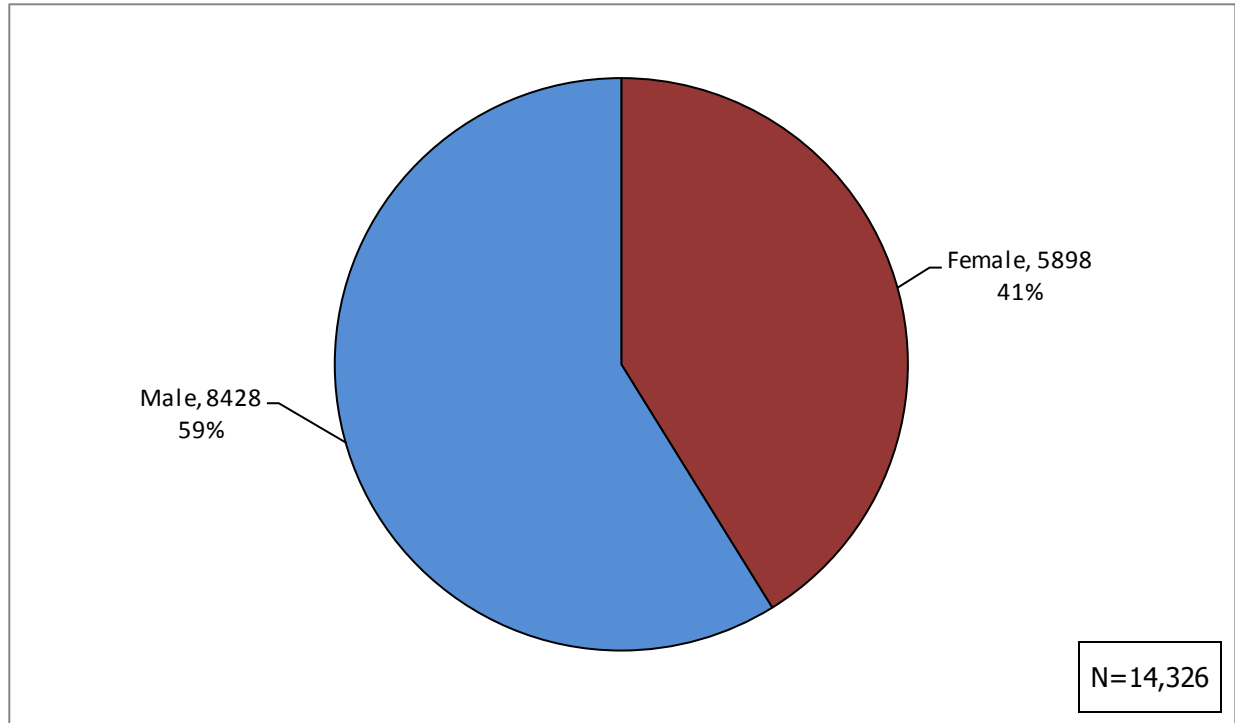
TOTAL VISITS

Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
4,525	9,801	14,326

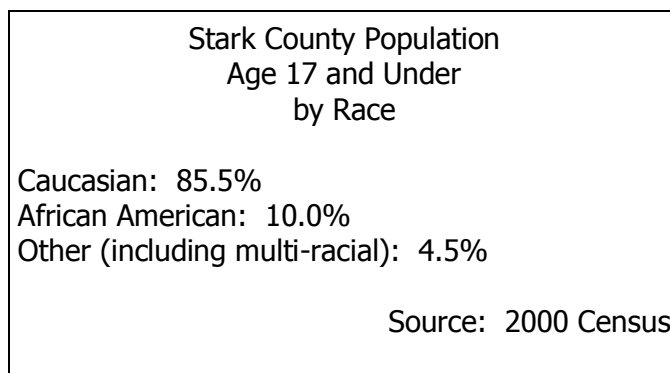
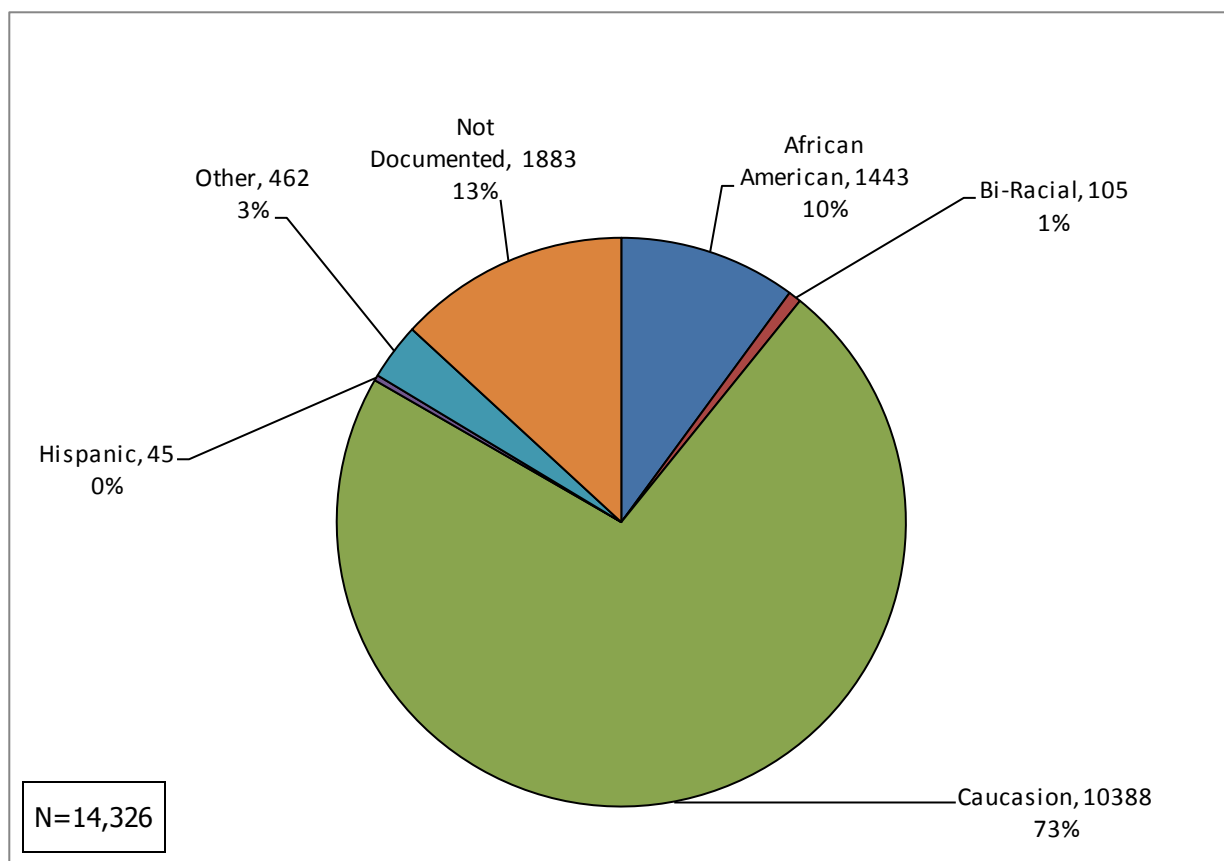


VISITS BY GENDER

	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
Male	2,614	5,814	8,428
Female	1,911	3,987	5,898



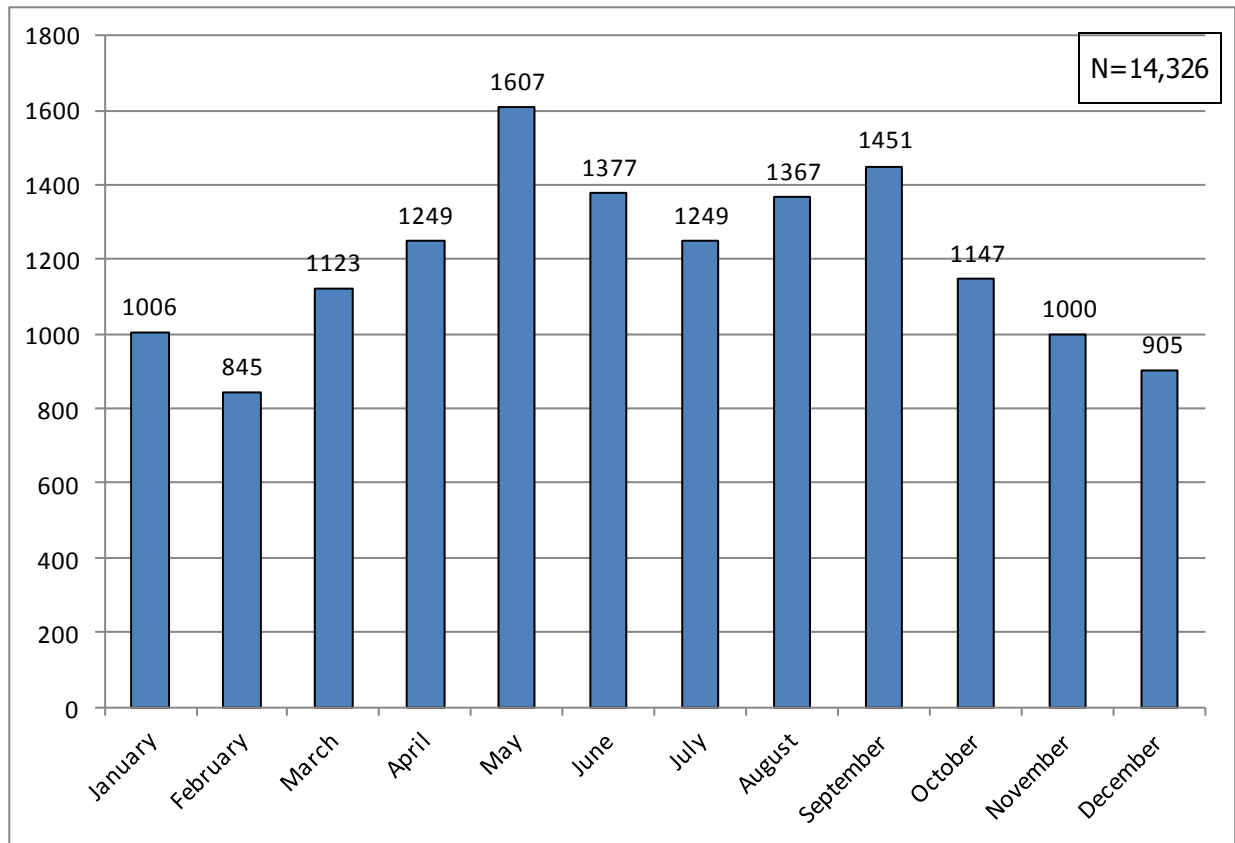
VISITS BY RACE



VISITS BY MONTH

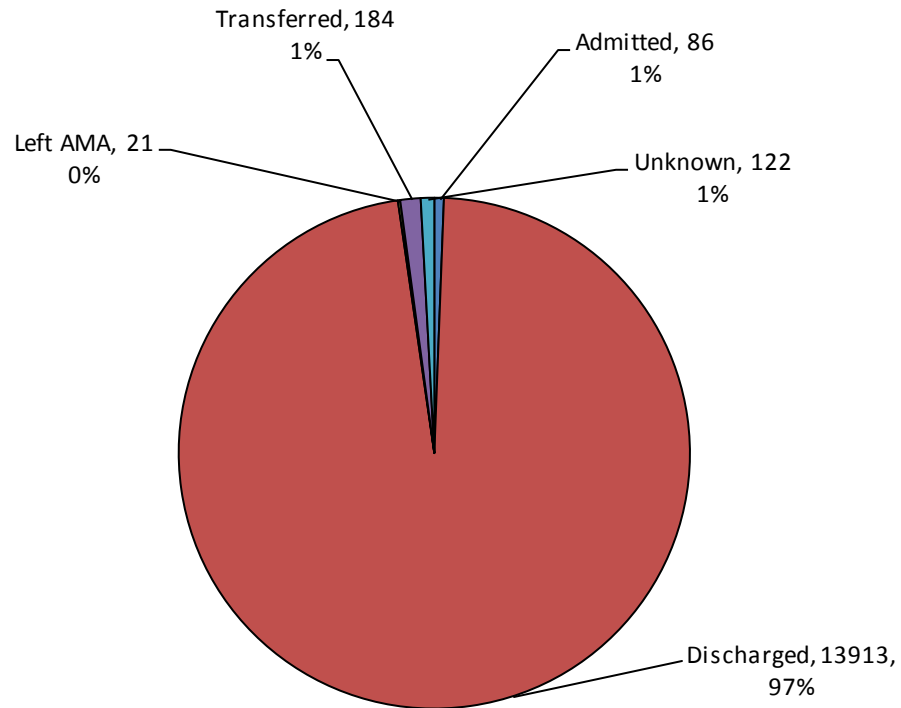
	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
January	334	672	1,006
February	269	576	845
March	386	737	1,123
April	445	804	1,249
May	553	1,054	1,607
June	427	950	1,377
July	366	883	1,249
August	415	952	1,367
September	444	1,007	1,451
October	306	841	1,147
November	290	710	1,000
December	290	615	905

Total Visits by Month



DISPOSITION (RESULT) OF TREATMENT

	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
Admitted	0	86	86
Discharged	4,451	9,462	13,913
Transferred to Other Facility	68	116	184
Left AMA (Against Medical Advice)	0	21	21
Unknown	6	116	122



N=14,326

VISITS BY RESIDENT ZIP CODE

Resident Zip Code	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
44601	30	1,379	1,409
44608	36	47	83
44613	16	62	78
44614	92	244	336
44626	56	81	137
44630	2	2	4
44632	50	206	256
44641	180	403	583
44643	40	73	113
44646	849	1,189	2,038
44647	265	445	710
44648	0	1	1
44650	0	1	1
44652	0	3	3
44567	22	128	150
44662	112	121	23
44666	46	50	96
44669	6	35	41
44670	0	1	1
44685	2	785	787
44688	49	85	134
44689	6	5	11
44701	2	5	7
44702	2	39	31
44703	74	336	410
44704	27	162	189
44705	236	669	905
44706	237	597	834
44707	116	409	525
44708	273	591	864
44709	259	323	582
44710	113	357	470
44714	105	165	270
44718	165	127	292
44720	678	514	1,192
44721	216	174	390
44730	51	108	159
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	
12,690				92,716		136.9	
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	1,409	7,800	160.6	44685	787	7,137	110.3
44608	83	673	123.3	44688	134	738	181.6
44613	78	422	184.8	44689	11	203	54.2
44614	336	3,045	110.3	44701	7	NA	NA
44626	137	654	209.5	44702	31	80	387.5
44630	4	NA	NA	44703	410	2,388	171.7
44632	256	2,507	102.1	44704	189	1,036	182.4
44641	583	4,785	121.8	44705	905	4,887	185.2
44643	113	768	147.1	44706	834	4,406	189.3
44646	2,038	11,318	180.1	44707	525	2,491	210.8
44647	710	3,787	187.5	44708	864	5,159	167.5
44648	1	NA	NA	44709	582	3,530	164.9
44650	1	NA	NA	44710	470	2,304	204.0
44652	3	15	200.0	44714	270	1,876	143.9
44657	150	2,362	63.5	44718	292	2,350	124.3
44662	233	2,147	108.5	44720	1,192	8,609	138.5
44666	96	733	131.0	44721	390	2,881	135.4
44669	41	319	128.5	44730	159	1,245	127.7
44670	1	61	16.4	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

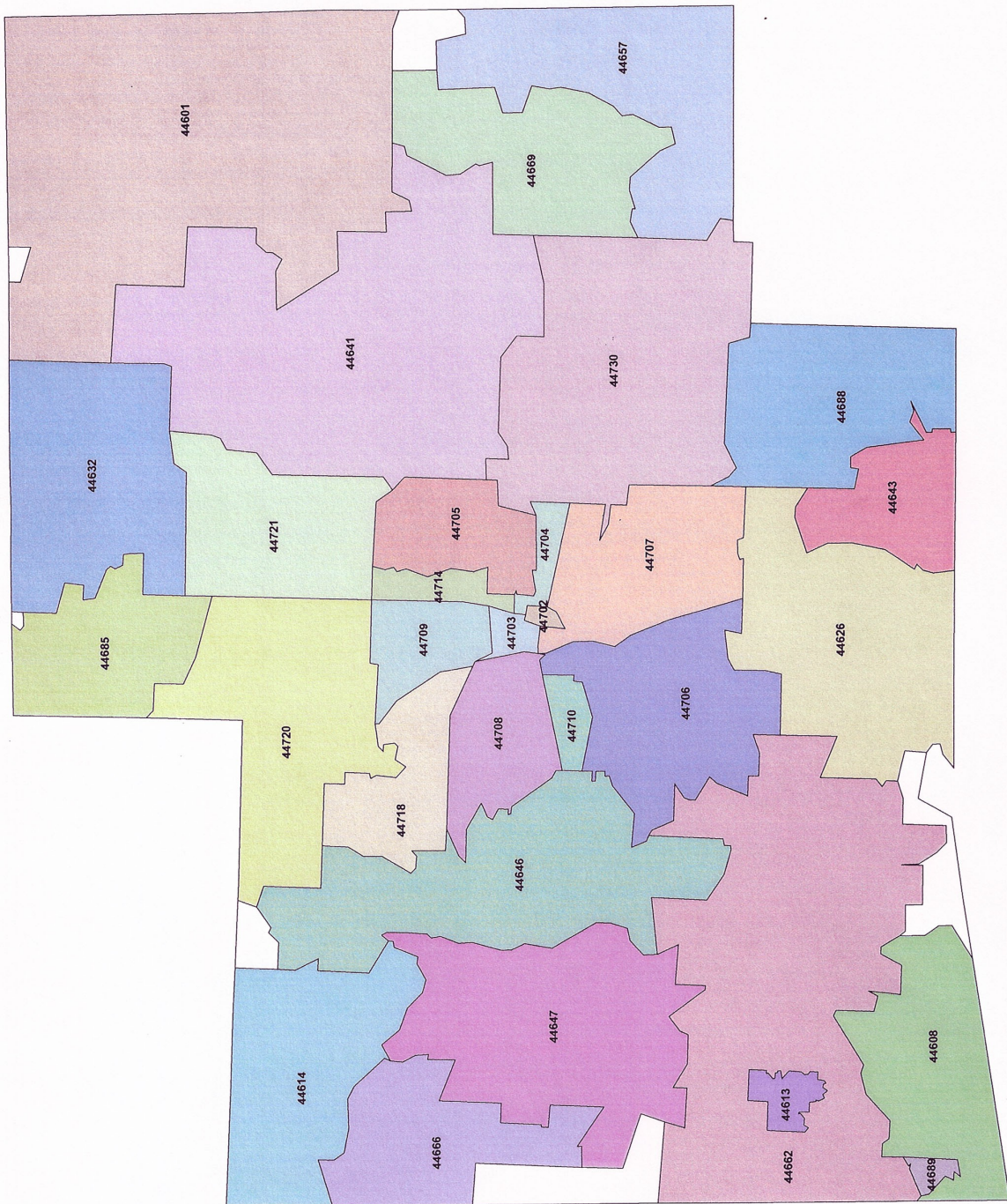
BY INJURY RATE (HIGHEST TO LOWEST)

44702	Canton City
44707	Canton City, Canton Twp, North Industry, Waco
44626	East Sparta, Pike Twp.
44710	Canton City, Canton Twp., Perry Twp.
44652	PO Boxes, Middlebranch, Plain Twp.
44706	Canton City, Canton Twp., East Sparta, Perry Twp
44647	Lawrence Twp., Massillon City, Tuscarawas Twp.
44705	Canton City, Plain Twp.
44613	Brewster, Sugarcreek Twp., Wilmot
44704	Canton City, Canton 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.
44720	Greentown, Hartville, Jackson Twp., Lake Twp., North Canton, Plain Twp.
44705	Canton City, Plain Twp.
44708	Canton City, Canton Twp., Hills & Dales Village, Jackson Twp., Perry Twp., Plain Twp.
44706	Canton City, Canton Twp., East Sparta, Perry Twp.
44685	Lake Twp., Uniontown
44647	Lawrence Twp., Massillon City, Tuscarawas Twp.
44641	Louisville City, Hartville, Nimishillen Twp., Osnaburg Twp., Plain Twp.
44709	Canton City, North Canton, Plain Twp.

STARK COUNTY MAP



ZIP CODE DESCRIPTION

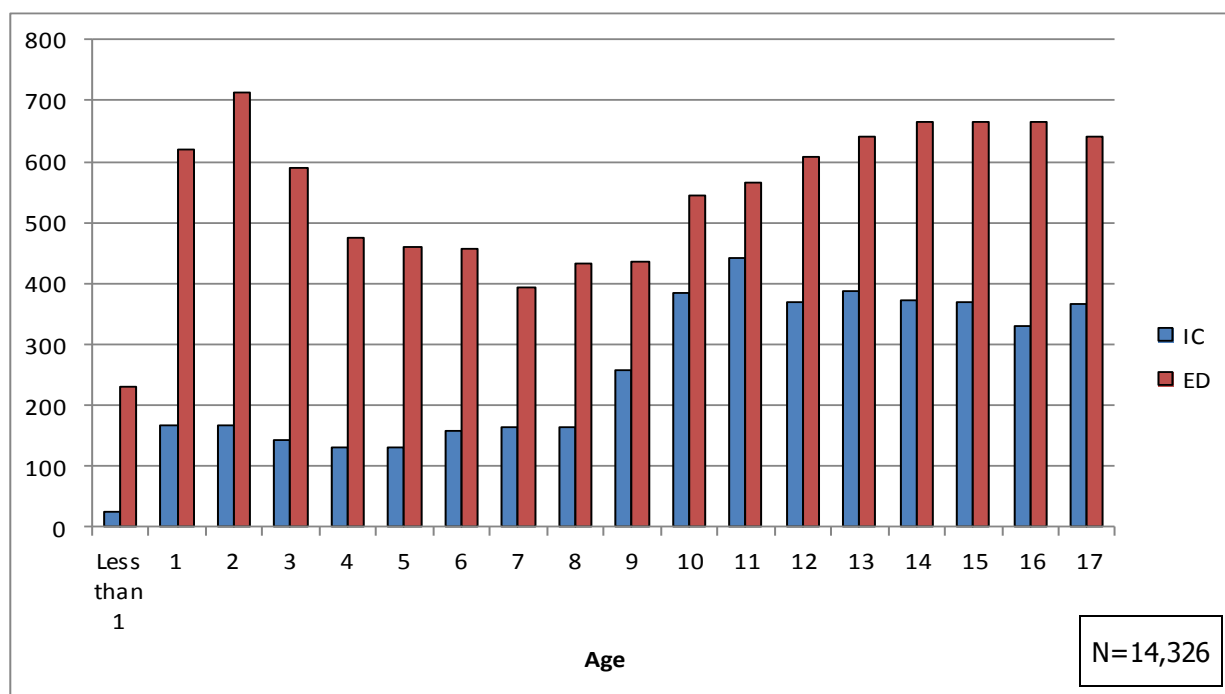
For each child treated, the zip code reported is where the child lives, not necessarily where the injury occurred. For the purposes of this report, the following areas are identified to each zip.

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

VISITS BY AGE

Patient Age	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
Less than 1	24	229	253
1	166	620	786
2	167	714	881
3	144	591	735
4	131	476	607
5	130	461	591
6	157	457	614
7	164	392	556
8	165	432	597
9	256	436	692
10	384	544	928
11	443	565	1,008
12	370	608	978
13	387	640	1,027
14	373	664	1,037
15	369	666	1,035
16	329	666	995
17	366	640	1,006

Visits by Age

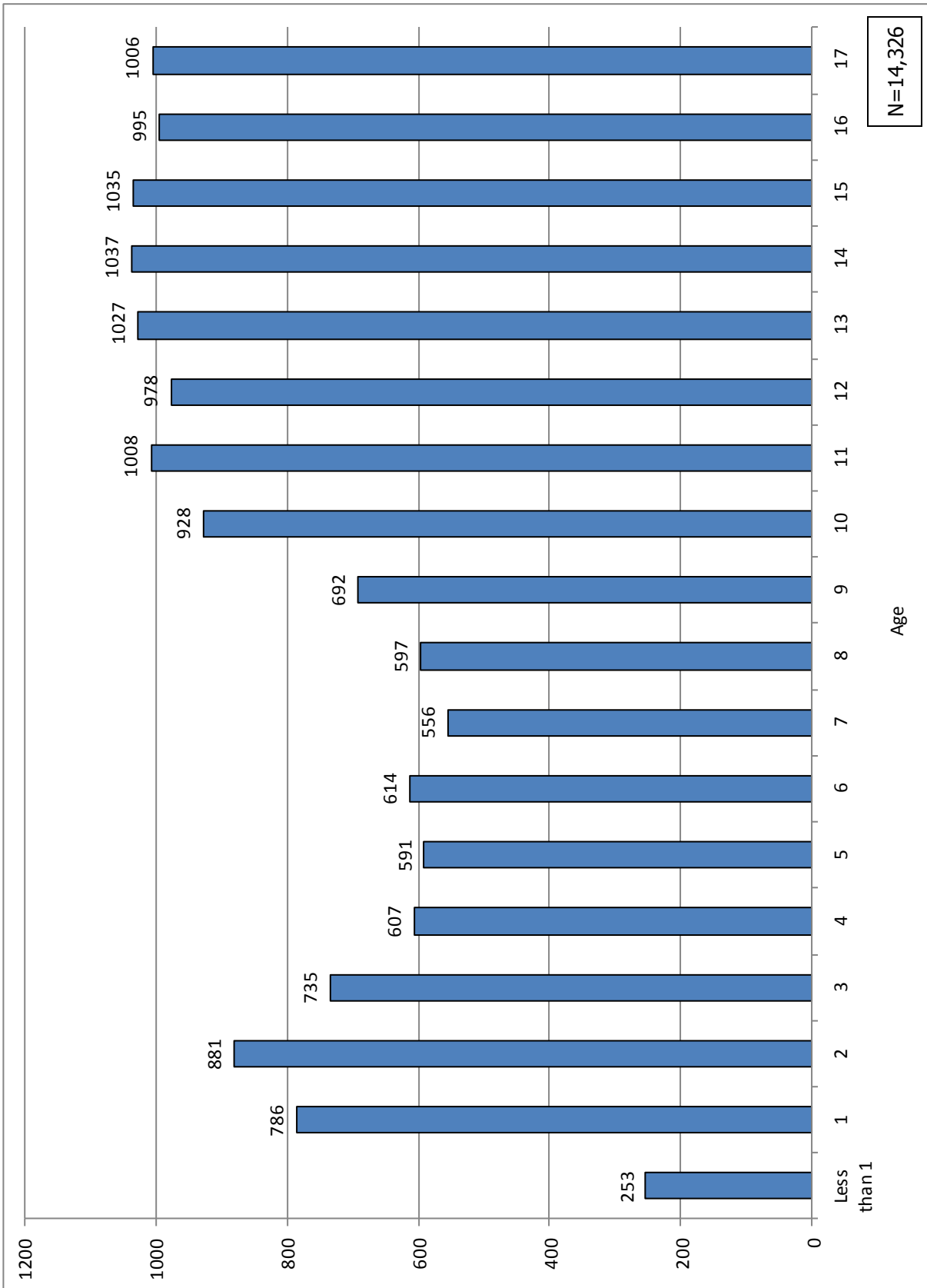


VISITS BY AGE

AGE	# OF INJURIES	% OF TOTAL INJURIES	POPULATION*	RATE OF INJURY PER 1,000 POPULATION
LESS THAN 1	253	1.8%	4,099	61.7
1	786	5.5%	4,254	184.8
2	881	6.1%	4,464	197.4
3	735	5.1%	4,482	164.0
4	607	4.2%	4,531	134.0
5	591	4.1%	4,482	131.9
6	614	4.3%	4,569	134.4
7	556	3.9%	4,585	121.3
8	597	4.2%	4,630	128.9
9	692	4.8%	5,098	135.7
10	928	6.5%	4,924	188.5
11	1,008	7.0%	4,871	206.9
12	978	6.8%	5,051	193.6
13	1,027	7.2%	4,974	206.5
14	1,037	7.2%	5,127	202.3
15	1,035	7.2%	5,187	199.5
16	995	6.9%	5,231	190.2
17	1,006	7.0%	5,427	185.4
TOTAL	14,326	100.0%	85,986	166.6

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

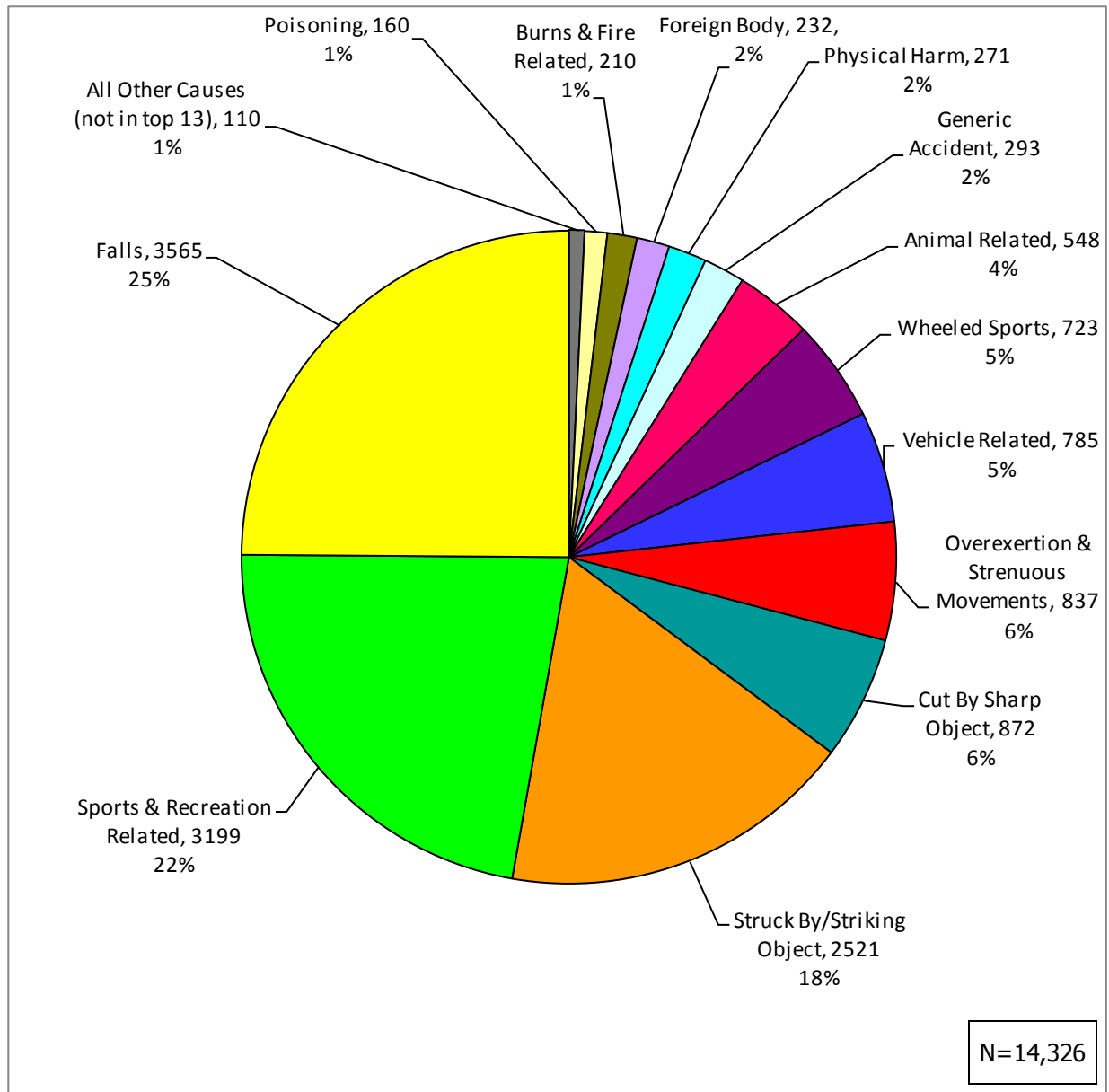
VISITS BY AGE



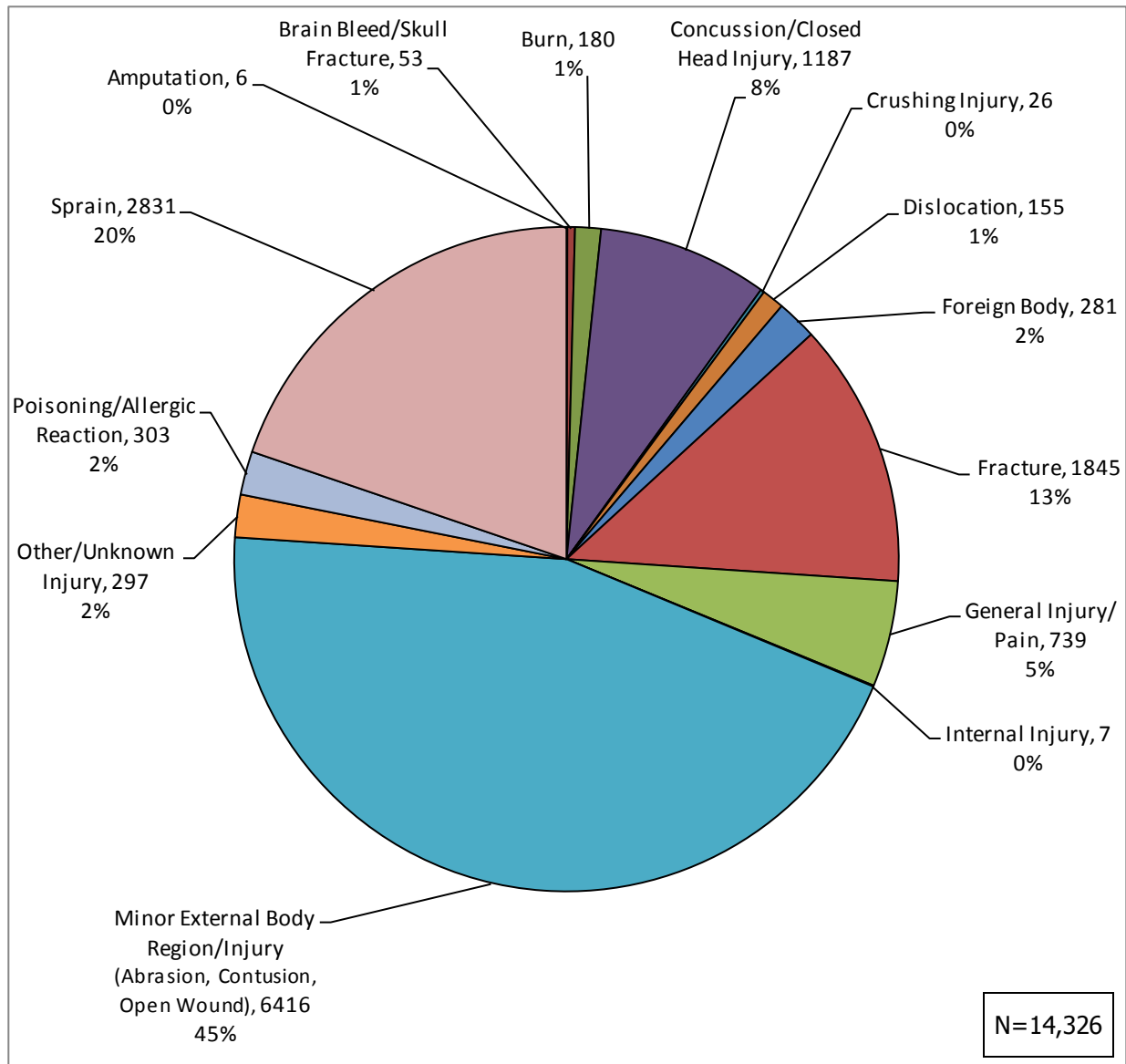
CAUSE OF INJURY

	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
Animal Related	93	455	548
Attempted Suicide	2	64	66
Burns & Fire Related	69	141	210
Choking / Suffocation	0	7	7
Cut by Sharp Object	280	592	872
Falls	886	2,679	3,565
Fire Arm	4	19	23
Foreign Body	7	225	232
Generic Accident	137	156	293
Overexertion & Strenuous Movements	400	437	837
Physical Harm	40	231	271
Poisoning	11	149	160
Sports & Recreation	1,357	1,842	3,199
Struck by / Striking Object	924	1,1597	2,521
Vehicle Related	103	682	785
Water Related	2	10	12
Weather	0	2	2
Wheeled Sports	210	513	723
TOTAL	4,525	9,801	14,326

CAUSE OF INJURY



SEVERITY OF INJURY



SEVERITY OF INJURY

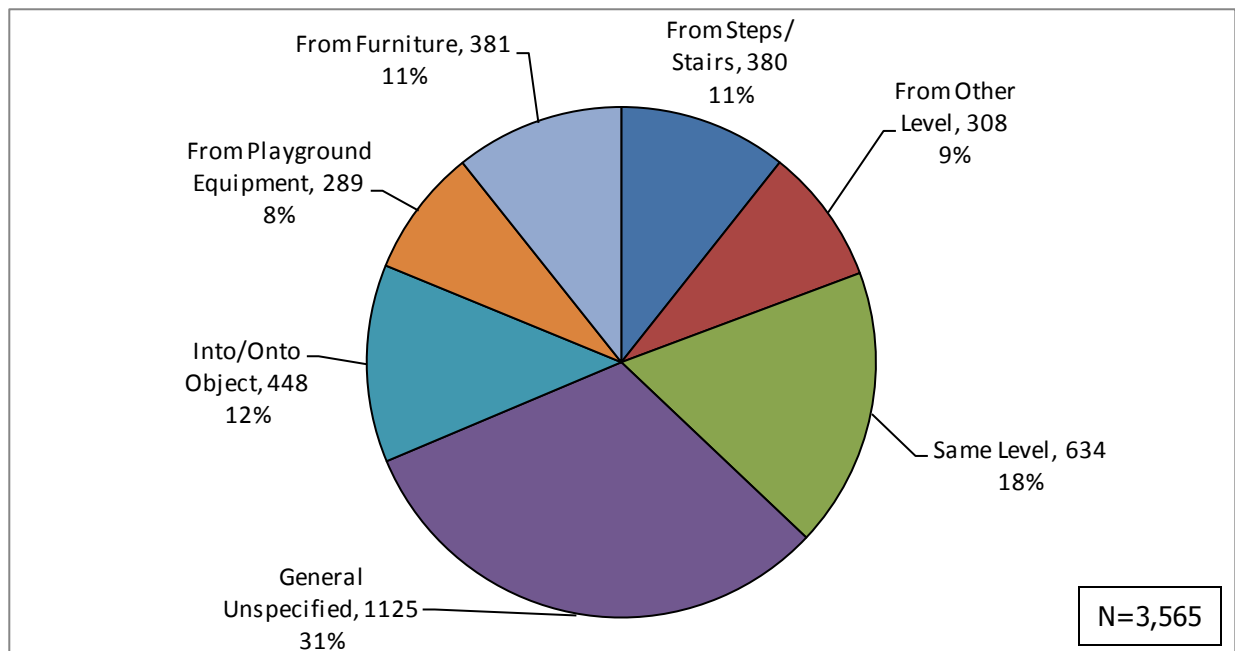
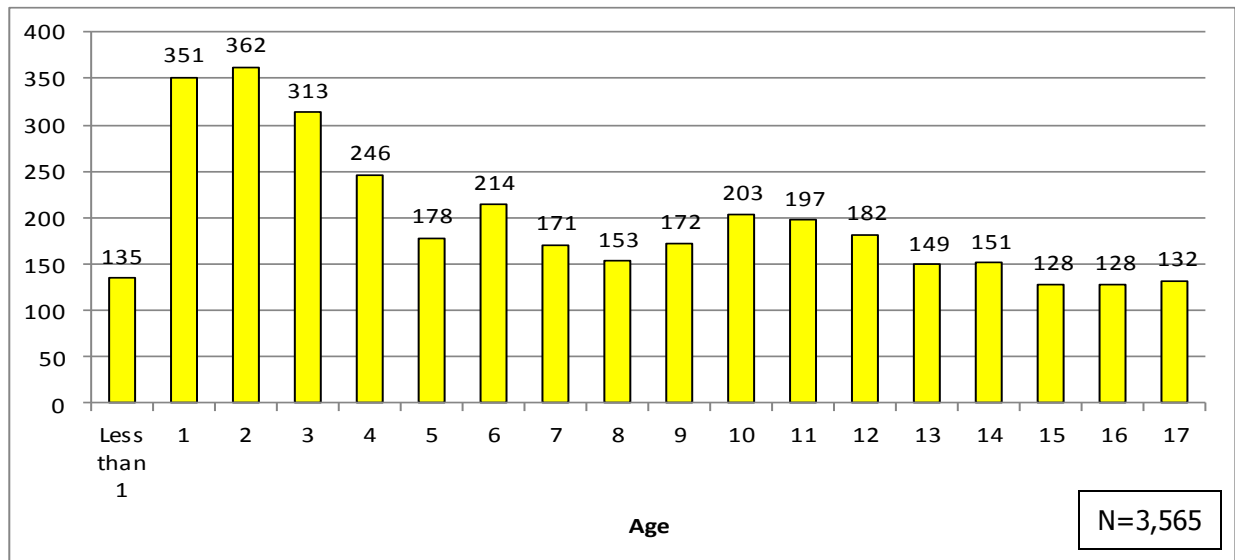
	Immediate Care Facilities (IC)	Hospital Emergency Department (ED)	Total
Amputation	2	4	6
Brain Bleed/Skull Fracture	0	53	53
Burn	69	111	180
Concussion/Closed Head Injury	116	1,071	1,187
Crushing Injury	0	26	26
Dislocation	48	107	155
Foreign Body	27	254	281
Fracture	601	1,244	1,845
Injury/Pain	268	471	739
Internal Injury	0	7	7
Minor External Body Region/Injury	2,127	4,289	6,416
Other/Unknown	30	267	297
Poisoning/Allergic Reaction	9	294	303
Sprain/Strain	1,228	997	2,831

1 - FALLS

Falls were the leading cause of injury. There were 3,565 children treated for this injury, accounting for 24.9% of the visits.

Facts:

- 75.1% were treated at the Hospital ED
- 14.3% occurred in June
- 54.6% patients treated were male
- 97.3% were discharged from the ED/IC
- 47.9% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

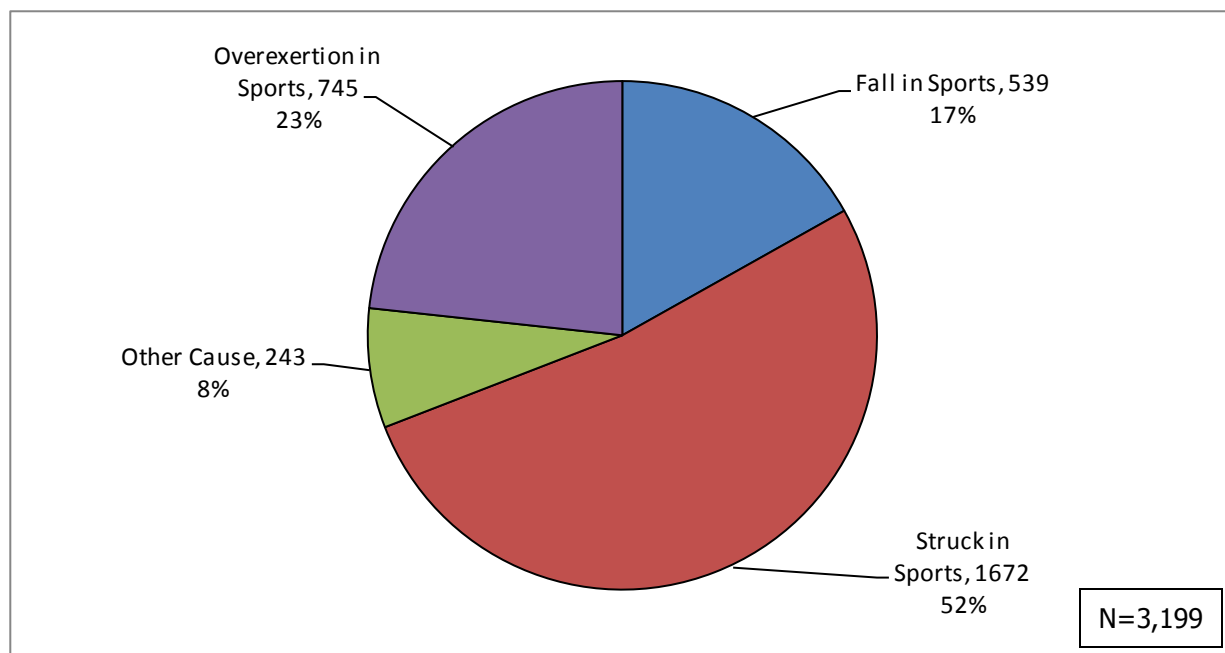
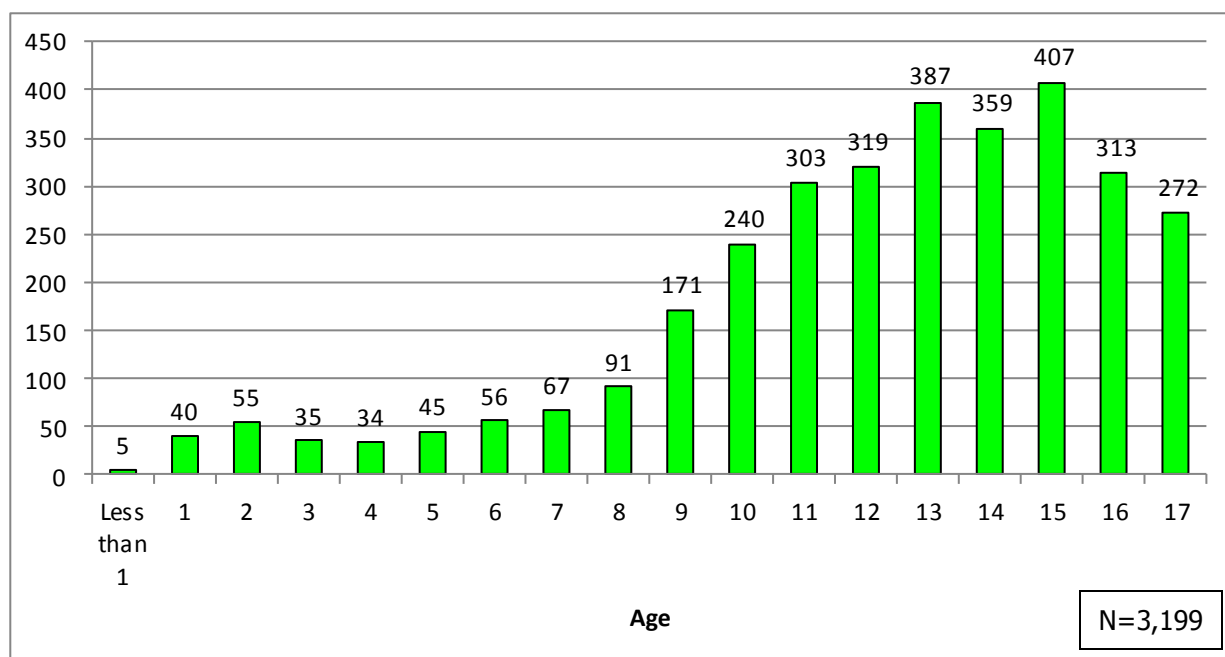


2 - SPORTS & RECREATION

Sports & Recreation was the second leading cause of injury. There were 3,199 children treated for this injury, accounting for 22.4% of the visits.

Facts:

- 57.7% were treated at the Hospital ED
- 13.1% occurred in April
- 65.7% patients treated were male
- 97.5% were discharged from the ED/IC
- 35.3% resulted in a Sprain/Strain

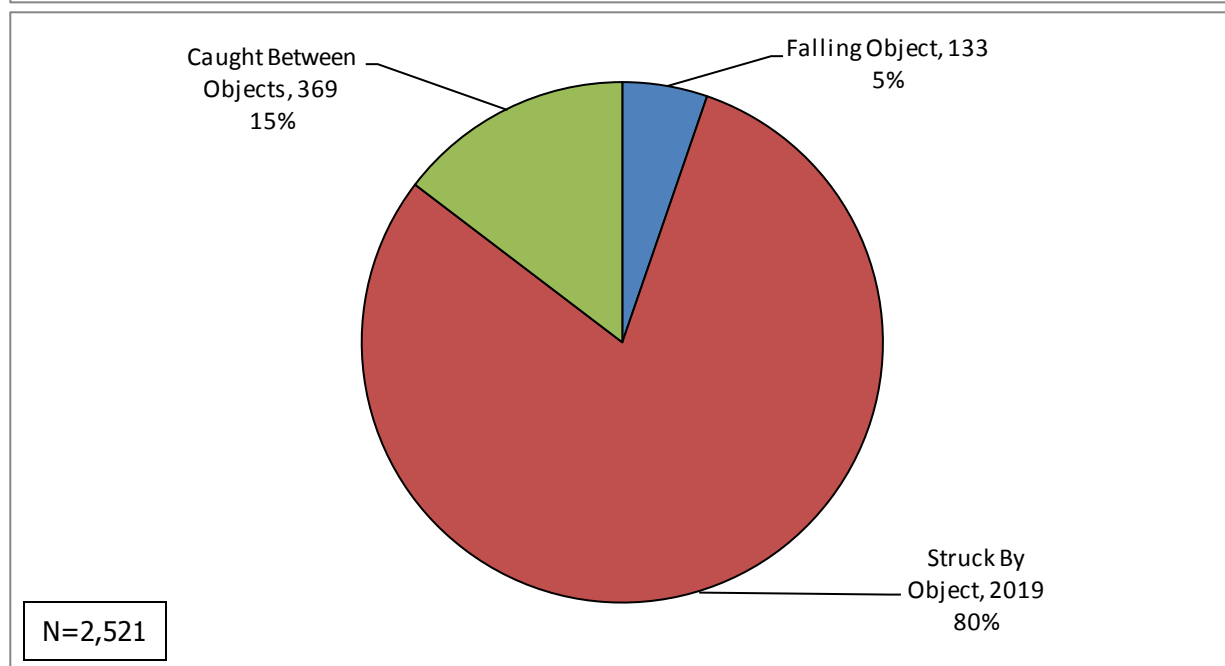
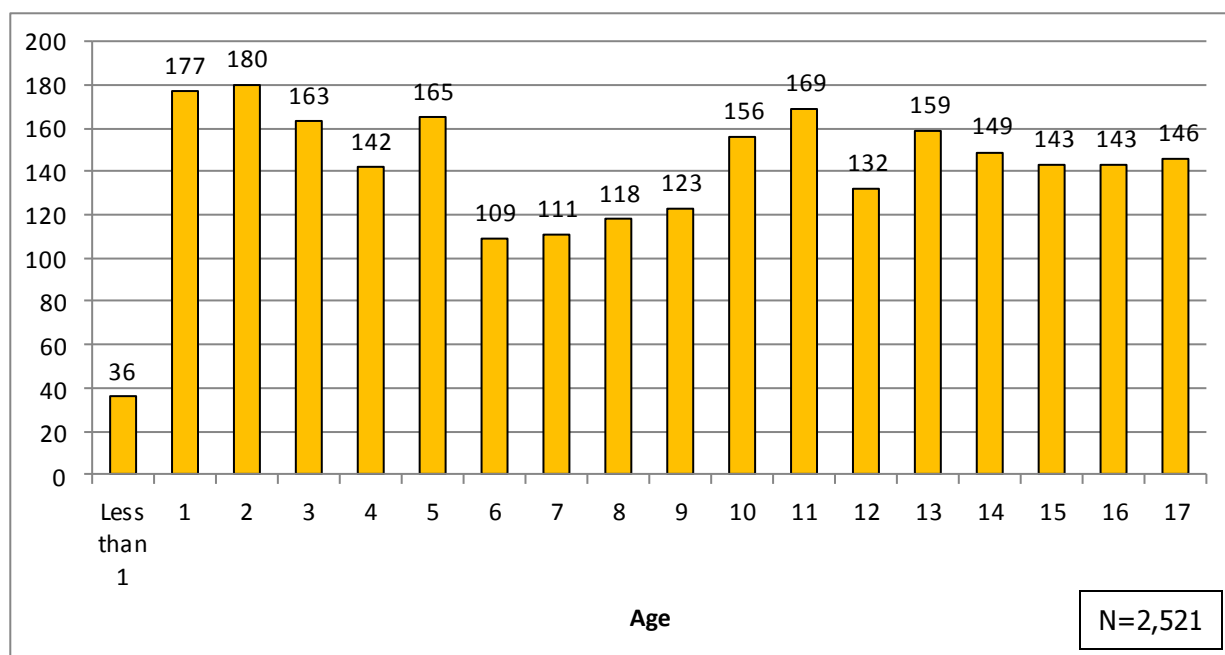


3 - STRUCK BY / STRIKING OBJECT

Struck by / Striking Object was the third leading cause of injury. There were 2,521 children treated for this injury, accounting for 17.6% of the visits.

Facts:

- 563.3% were treated at the Hospital ED
- 15.8% occurred in September
- 61.0% patients treated were male
- 98.8% were discharged from the ED/IC
- 67.8% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

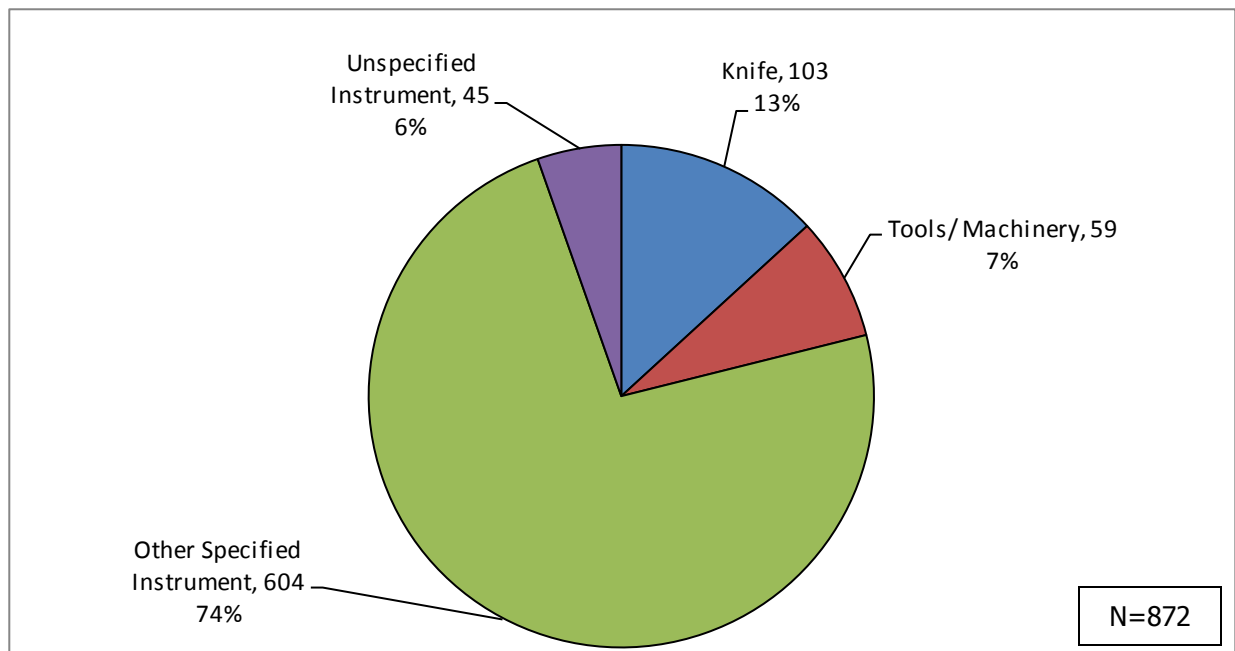
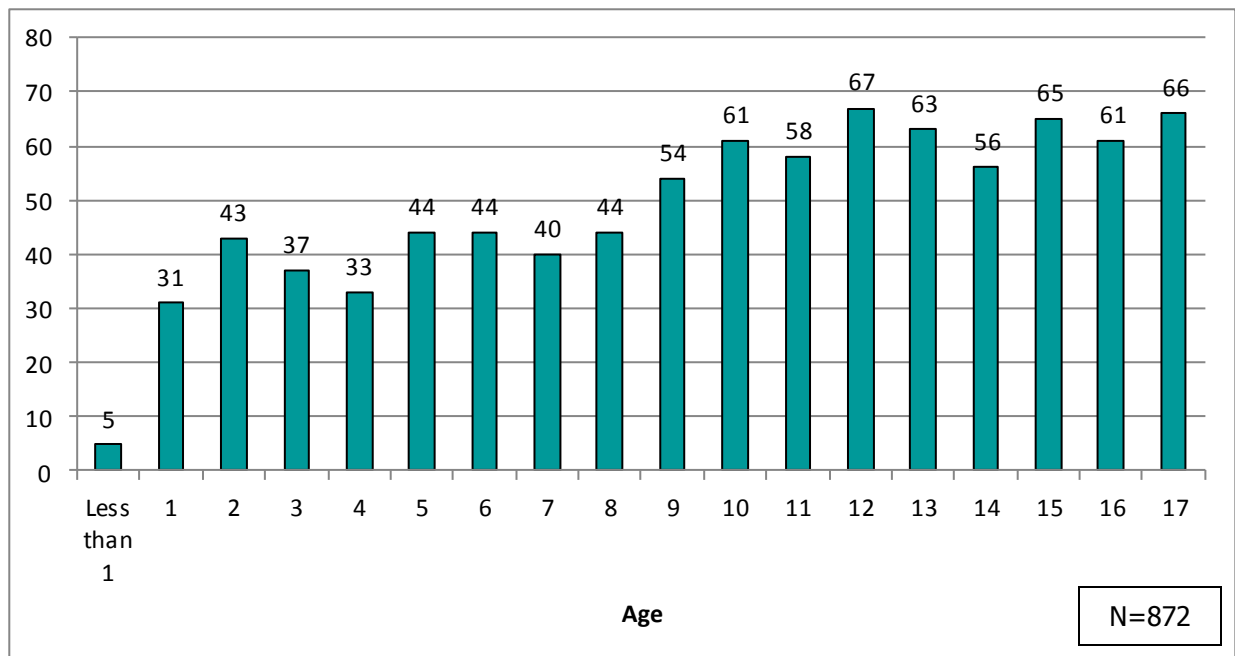


4 - CUT BY SHARP OBJECT

Cut by Sharp Object was the forth leading cause of injury. There were 872 children treated for this injury, accounting for 6.1% of the visits.

Facts:

- 67.9% were treated at the Hospital ED
- 216% occurred in May
- 62.7% patients treated were male
- 98.2% were discharged from the ED/IC
- 92.1% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

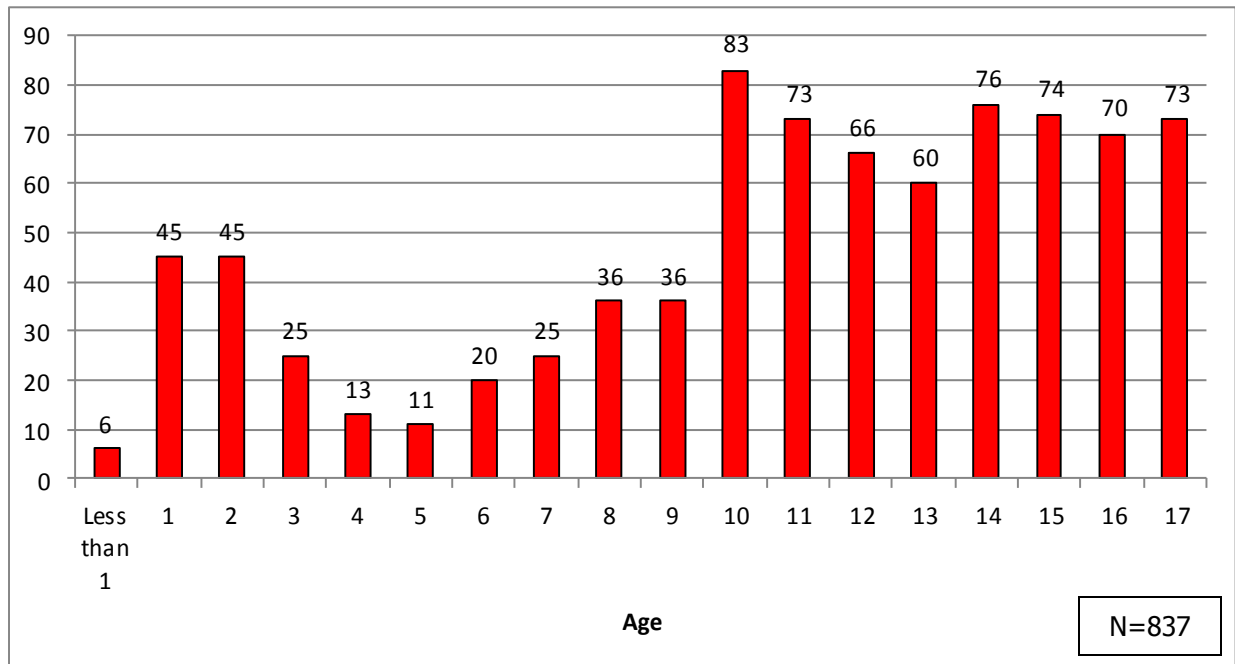


5 - OVEREXERTION & STRENUOUS MOVEMENTS

Overexertion & Strenuous Movements was the fifth leading cause of injury. There were 837 children treated this related injury, accounting for 5.8% of the visits.

Facts:

- 51.7% were treated at an Immediate Care Facility
- 22.0% occurred in August
- 50.8% patients treated were male
- 98.4% were discharged from the ED/IC
- 64.2% resulted in a Sprain/Strain



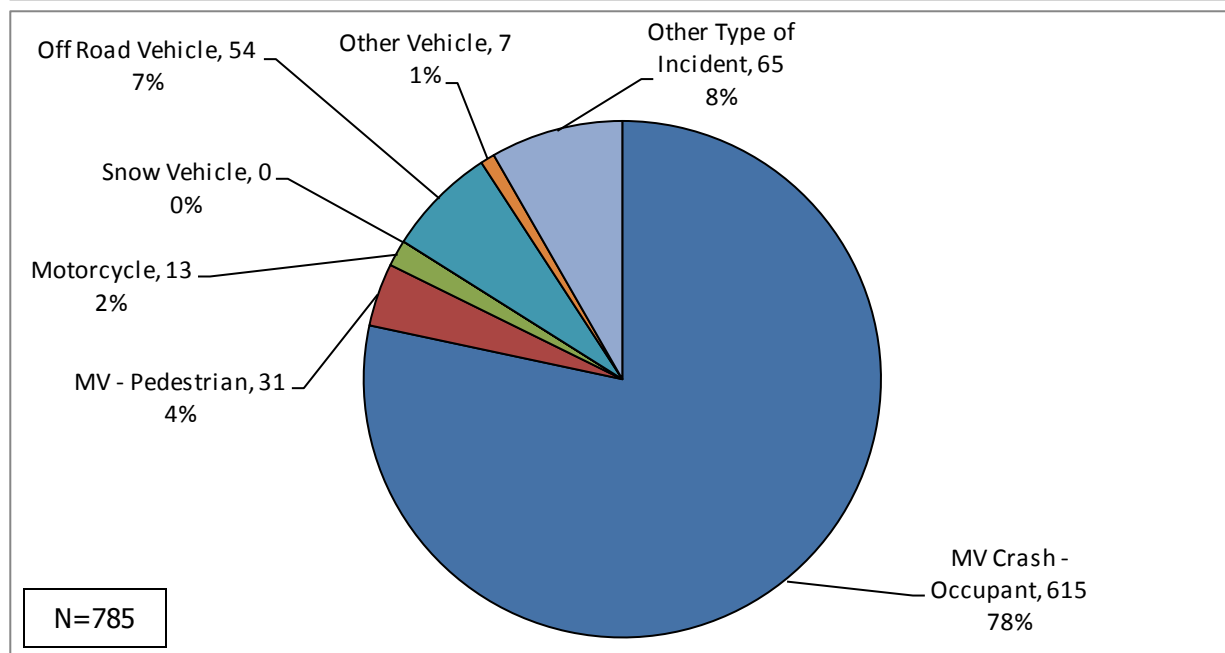
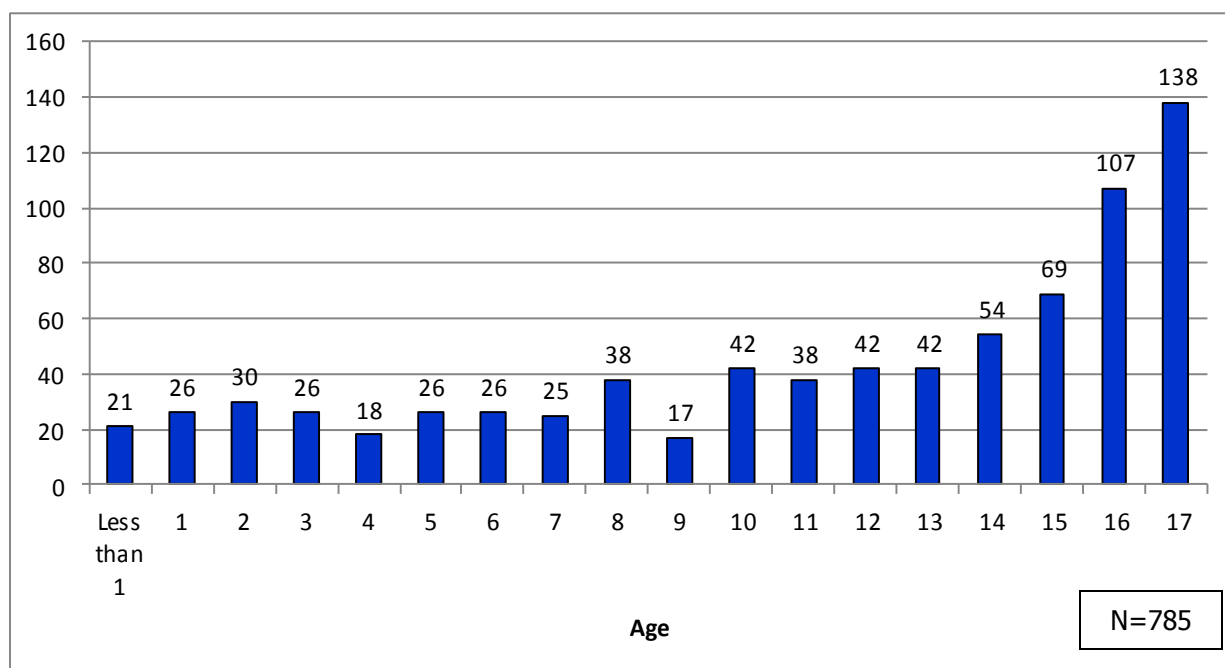
An Overexertion & Strenuous Movement Injury includes a type of injury where the body is stressed beyond normal capabilities causing injury.

6 - VEHICLE RELATED

Vehicle Related was the sixth leading cause of injury. There were 785 children treated for this injury, accounting for 5.5% of the visits.

Facts:

- 86.9% were treated at the Hospital ED
- 10.7% occurred in November
- 51.0% patients treated were female
- 97.8% were discharged from the ED/IC
- 32.5% resulted in a Sprain/Strain

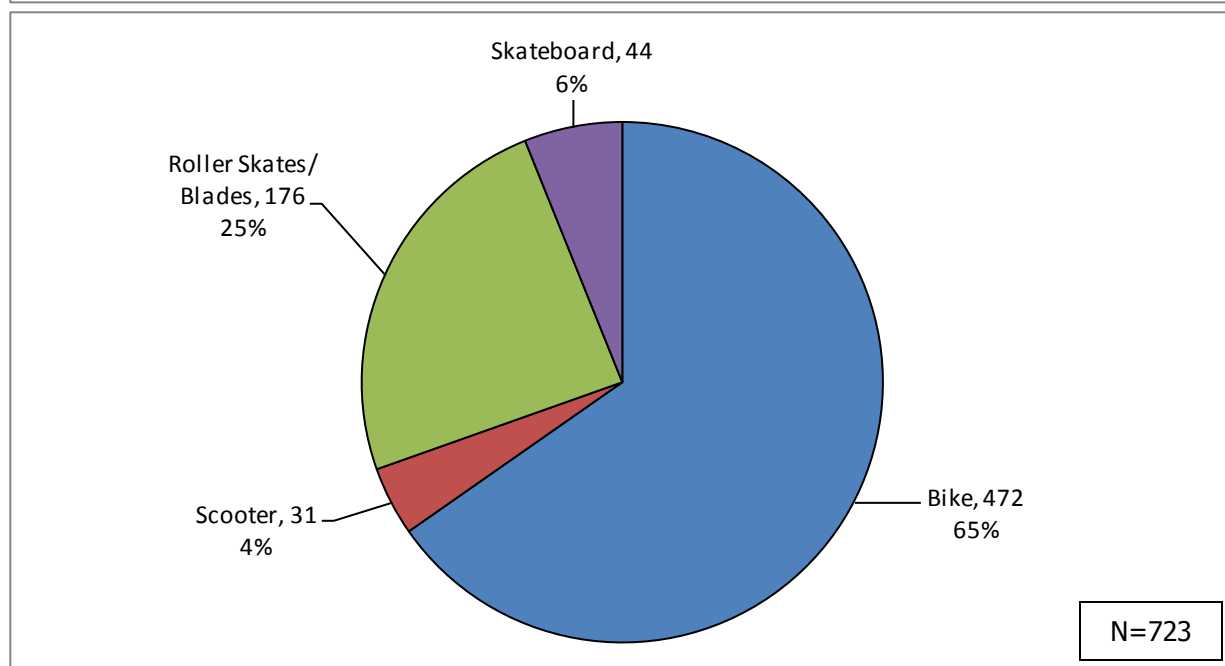
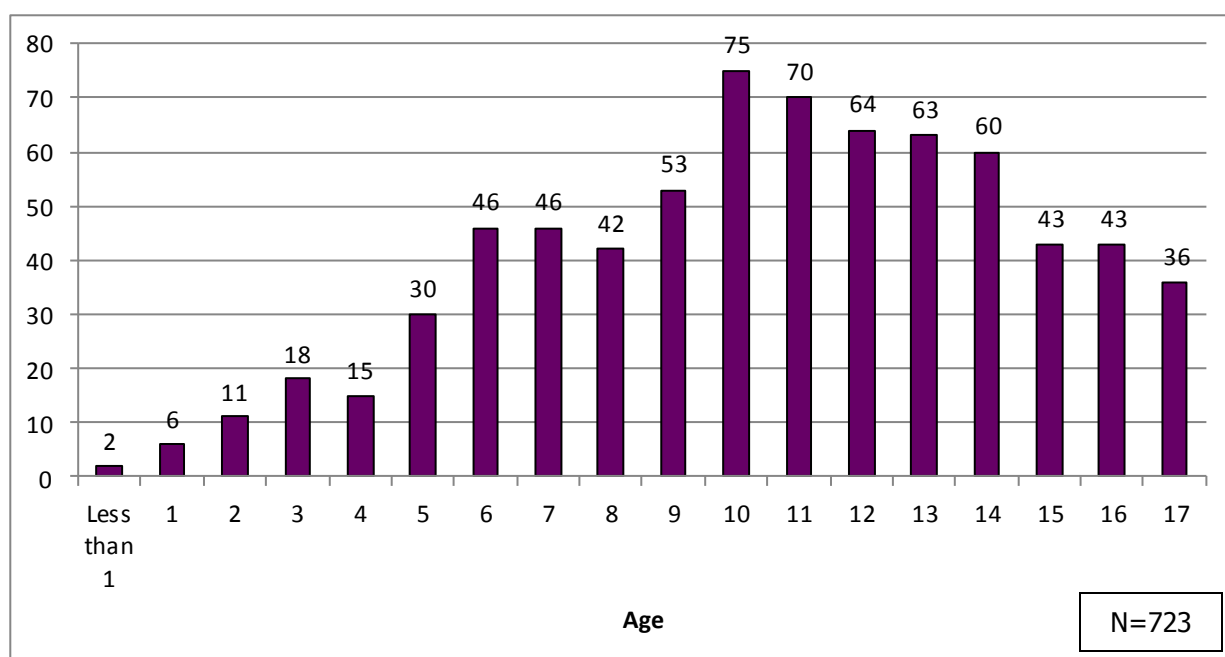


7 - WHEELED SPORTS

Wheeled Sports was the seventh leading cause of injury. There were 723 children treated for this injury, accounting for 5.0% of the visits.

Facts:

- 71.0% were treated at the Hospital ED
- 21.0% occurred in August
- 64.5% patients treated were male
- 95.2% were discharged from the ED/IC
- 47.2% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

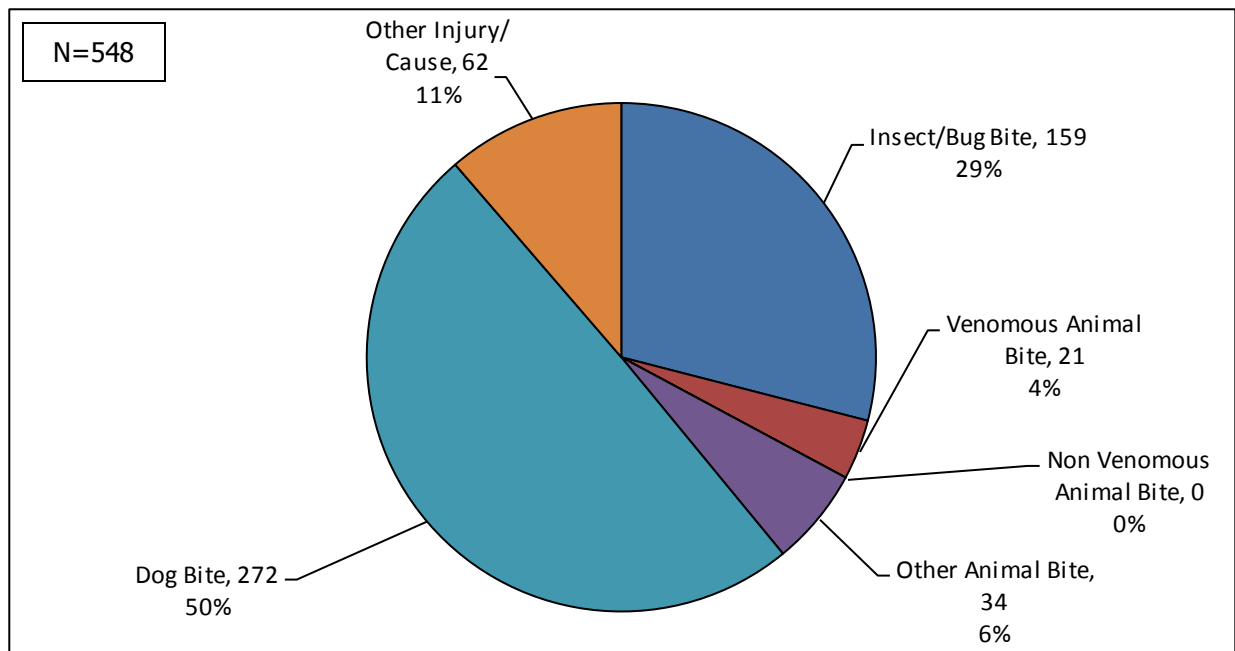
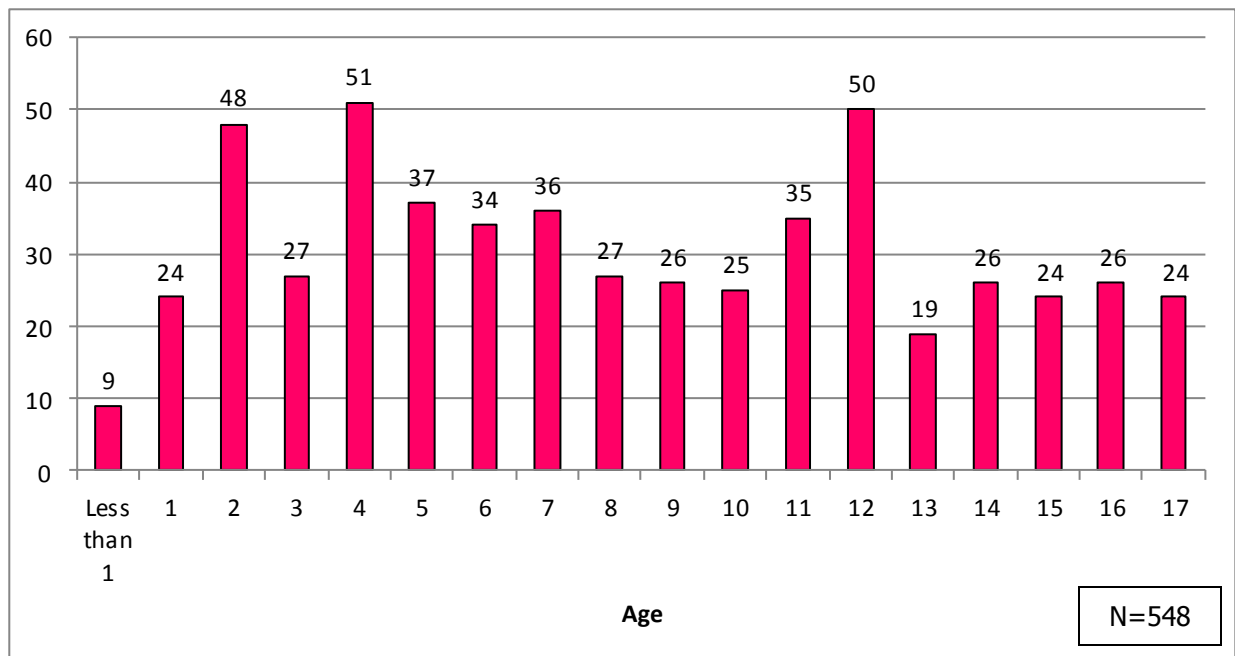


8 - ANIMAL RELATED

Animal Related was the eighth leading cause of injury. There were 548 children treated for this injury, accounting for 3.8% of the visits.

Facts:

- 83.0% were treated at the Hospital ED
- 16.8% occurred in May
- 56.4% patients treated were male
- 97.4% were discharged from the ED/IC
- 60.9% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)

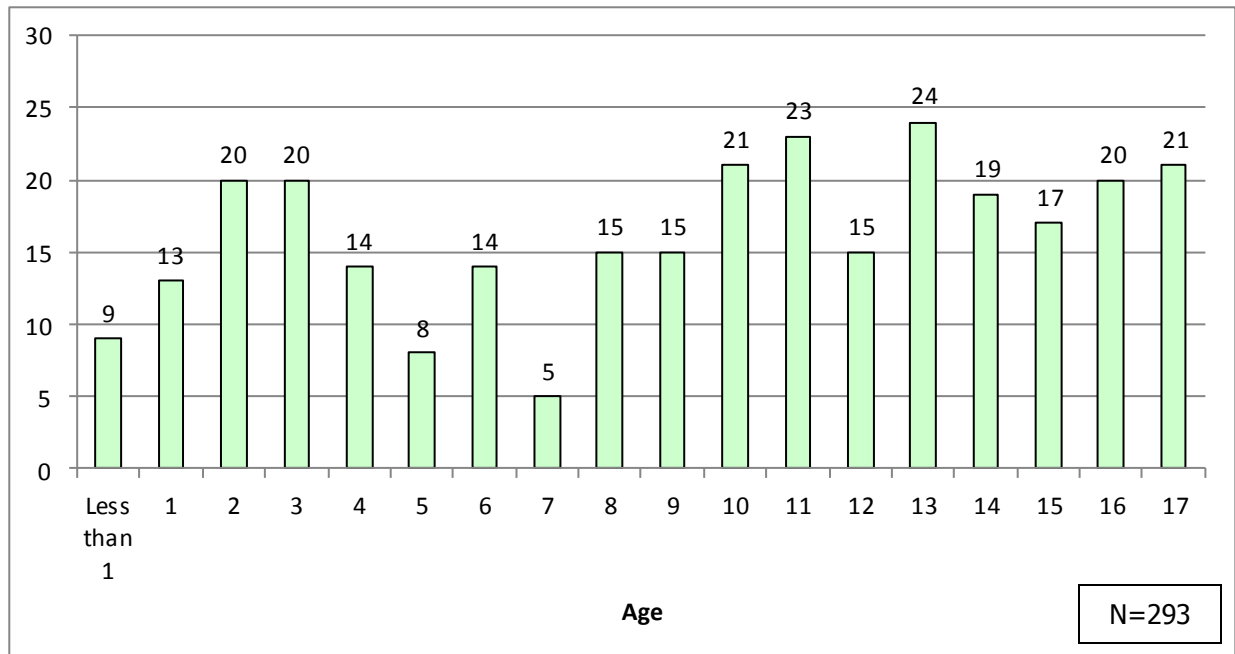


9 - GENERIC ACCIDENT

Generic Accident was the ninth leading cause of injury. There were 293 children treated for this, accounting for 2.0% of the visits.

Facts:

- 53.2% were treated Immediate Care Facilities
- 23.9% occurred in November
- 55.6% patients treated were male
- 94.5% were discharged from the ED/IC
- 41.9 resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)



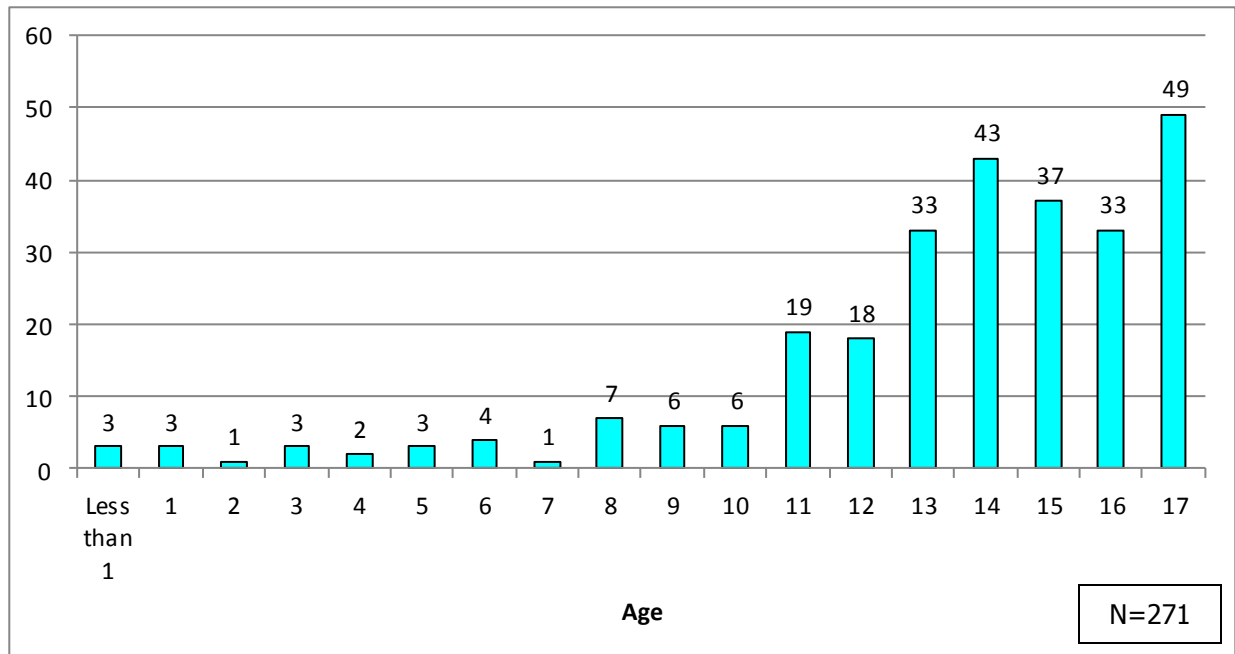
A Generic Accident includes any injury not otherwise specified in the reporting process.

10 - PHYSICAL HARM

Physical Harm was the tenth leading cause of injury. There were 271 children treated for this injury, accounting for 1.9% of the visits.

Facts:

- 85.2% were treated at the Hospital ED
- 15.5% occurred in May
- 61.3% patients treated were male
- 95.2% were discharged from the ED/IC
- 53.9% resulted in a Minor External Body Region Injury (Abrasion, Contusion, Open Wound)



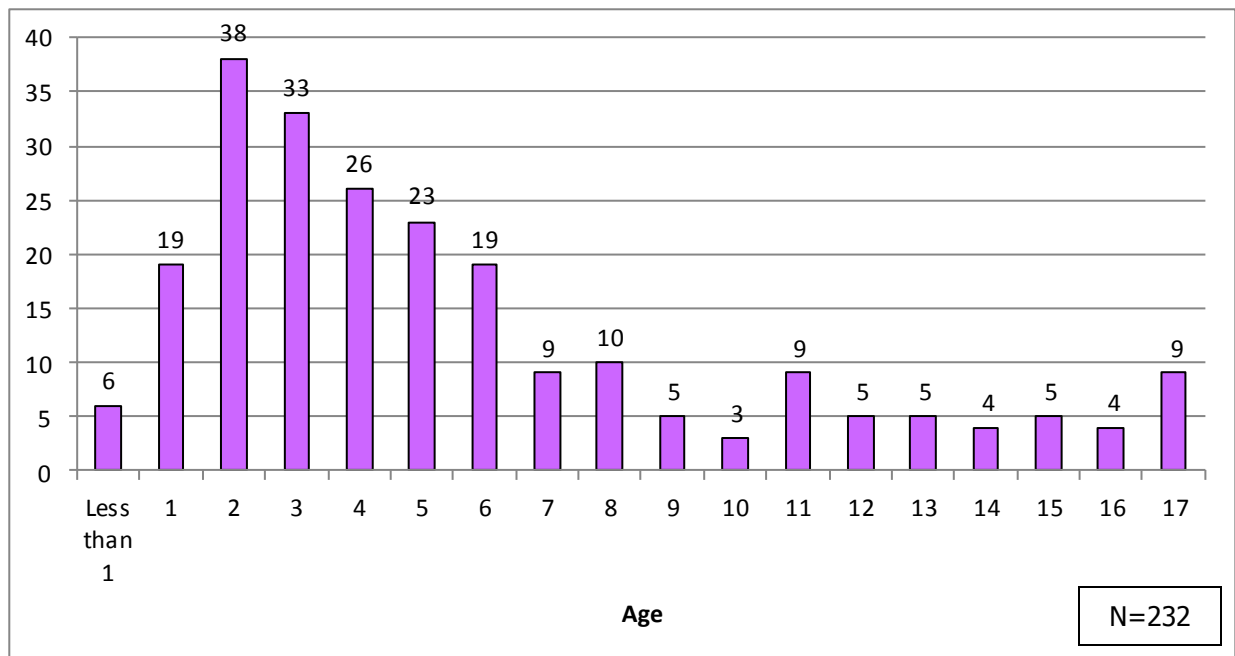
This is the number of injuries reported by the hospitals and immediate care facilities, resulting from physical harm. This does not reflect the total number of abuse and neglect reports or open cases in Stark County.

11 - FOREIGN BODY

Foreign Body was the eleventh leading cause of injury. There were 232 children treated for this injury, accounting for 1.6% of the injuries.

Facts:

- 97.0% were treated at the Hospital ED
- 13.4% occurred in May
- 56.5% patients treated were male
- 97.0% were discharged from the ED/IC
- 86.6% resulted in a Foreign Body Injury



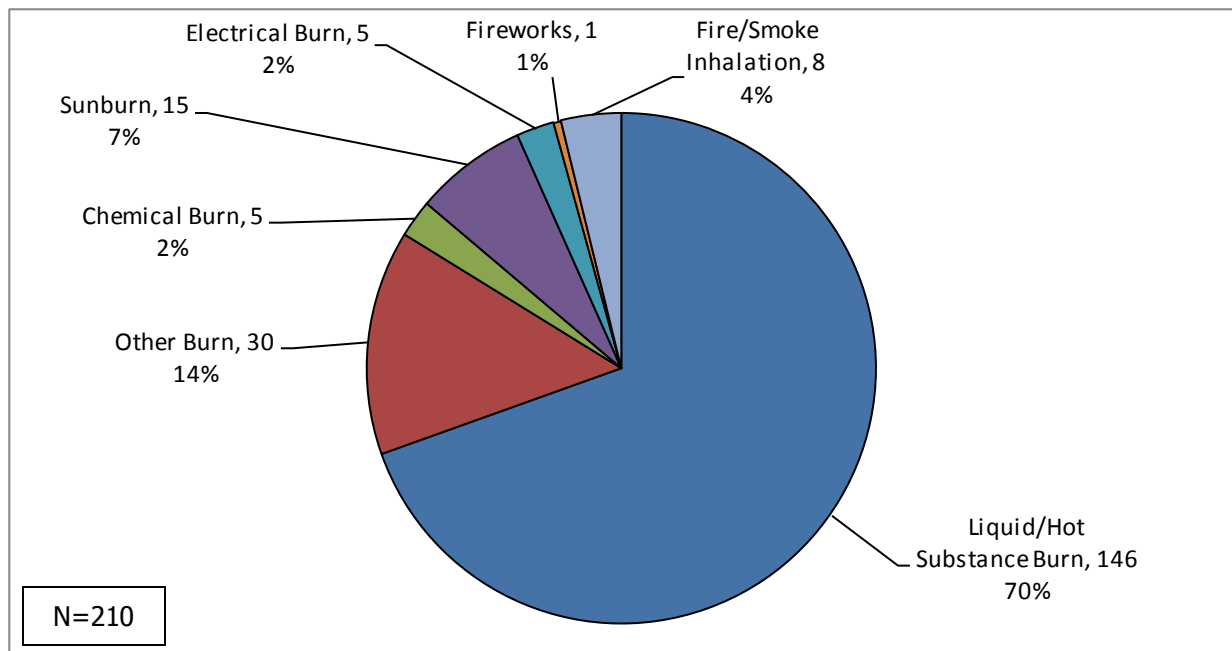
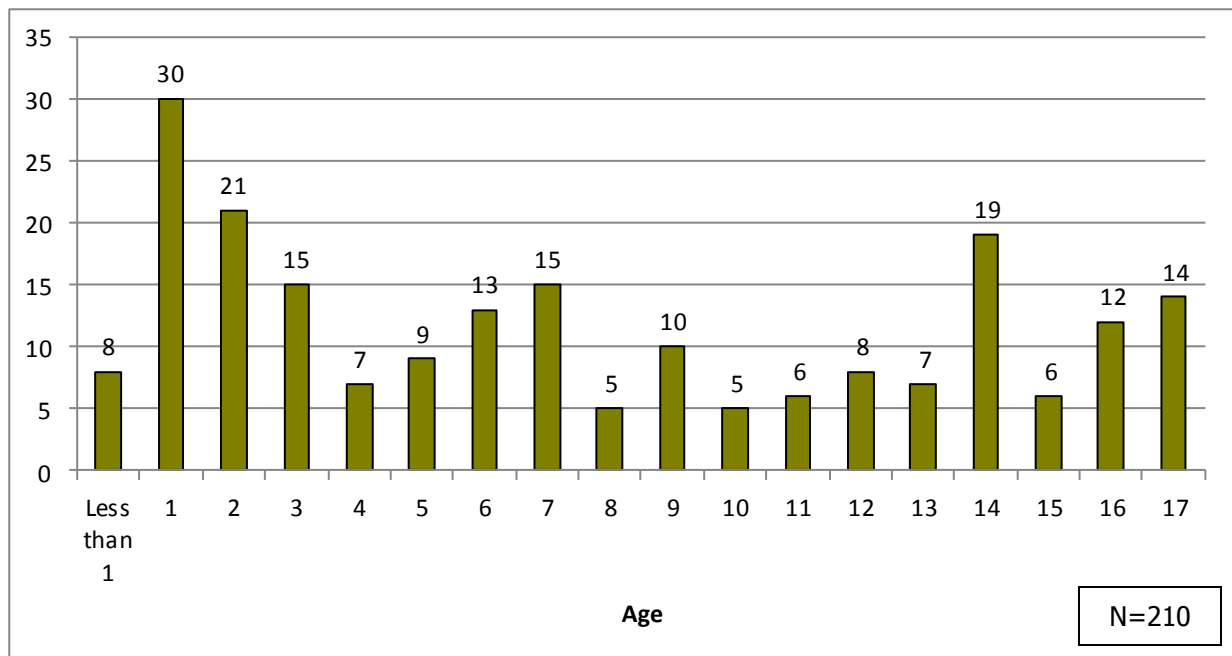
A Foreign Body injury includes any foreign body entering the eye or other body part. This could include a splinter, object in the eye, etc. Choking related injuries are not included.

12 - BURNS & FIRE RELATED

Burns & Fire Related was the twelfth leading cause of injury. There were 210 children treated for this injury, accounting for 1.5% of the injuries.

Facts:

- 67.1% were treated at the Hospital ED
- 21.4% occurred in July
- 51.9% patients treated were female
- 91.9% were discharged from the ED/IC
- 81.9% resulted in a Burn

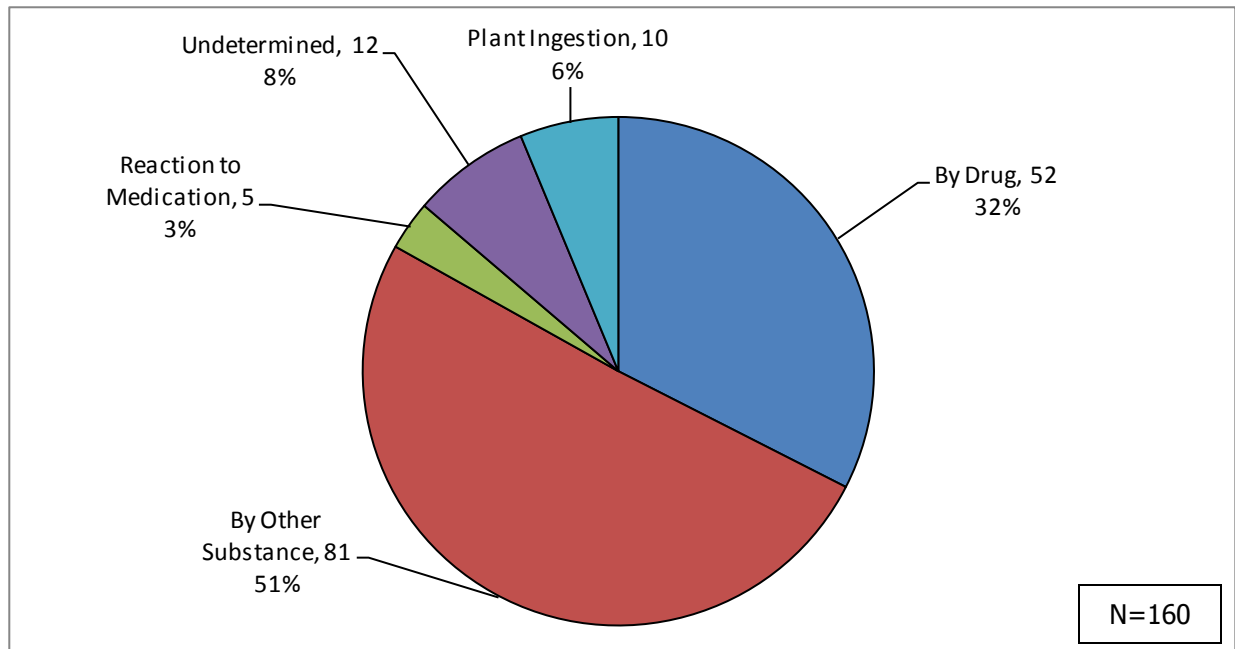
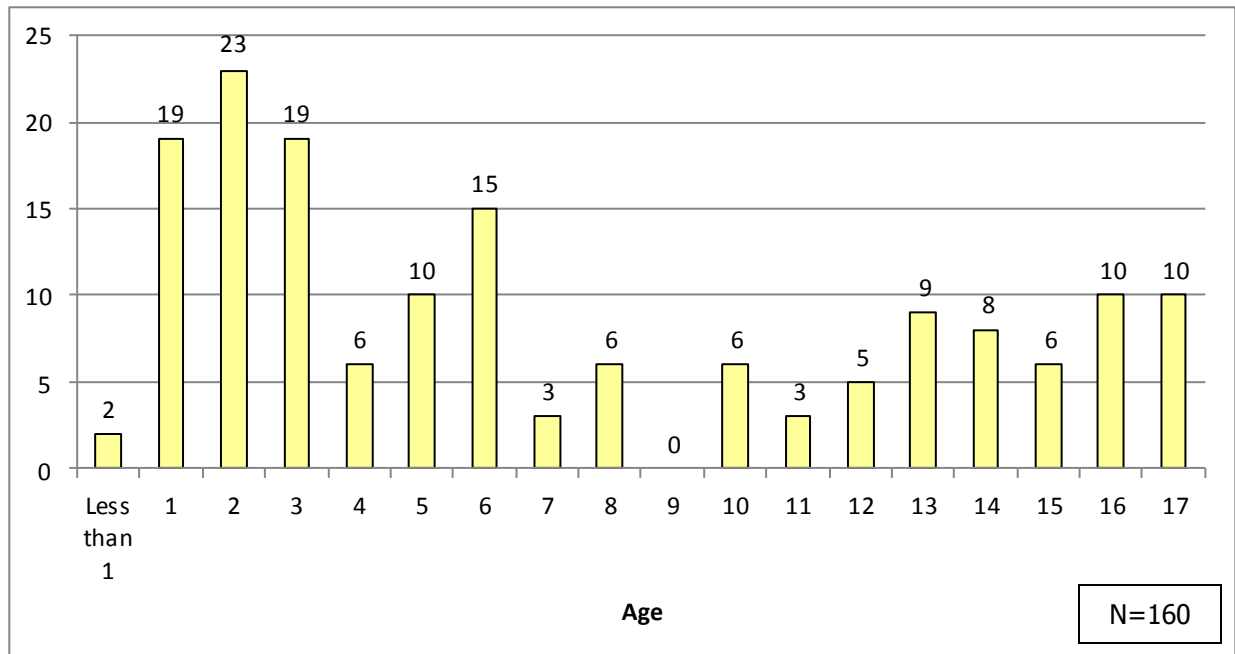


13 - POISONING

Poisoning was the thirteenth leading cause of injury. There were 160 children treated for this injury, accounting for 1.1% of the injuries.

Facts:

- 93.1% were treated at the Hospital ED
- 13.8% occurred in January
- 50.6% patients treated were male
- 88.8% were discharged from the ED/IC
- 71.3% resulted in a Poisoning/Allergic Reaction



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	66
Fire Arm	23
Water Related	12
Choking / Suffocation	7
Weather Related	2
TOTAL OTHER INJURIES	110



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	253	Falls 135 or 53.4%	Struck by/Striking Object 36 or 14.2%	Vehicle Related 21 or 8.3%
1	786	Falls 351 or 44.7%	Struck by/Striking Object 177 or 22.5%	Overexertion/Strenuous Movements 45 or 5.7%
2	881	Falls 362 or 41.1%	Struck by/Striking Object 180 or 20.4%	Sports & Recreation 55 or 6.2%
3	735	Falls 313 or 42.6%	Struck by/Striking Object 163 or 22.2%	Cut by Sharp Object 37 or 5.0%
4	607	Falls 246 or 40.5%	Struck by/Striking Object 142 or 23.4%	Animal Related 51 or 8.4%
5	591	Falls 178 or 30.1%	Struck by/Striking Object 165 or 27.9%	Cut by Sharp Object 44 or 7.4%
6	614	Falls 214 or 34.9%	Struck by/Striking Object 109 or 17.8%	Sports & Recreation 56 or 9.1%
7	556	Falls 171 or 30.8%	Struck by/Striking Object 111 or 20.0%	Sports & Recreation 67 or 12.1%
8	597	Falls 153 or 25.6%	Struck by/Striking Object 118 or 19.8%	Sports & Recreation 91 or 15.2%
9	618	Falls 172 or 24.9%	Sports & Recreation 171 or 24.7%	Struck by/Striking Object 123 or 19.9%
10	928	Sports & Recreation 240 or 25.9%	Falls 203 or 21.9%	Struck by/Striking Object 156 or 16.8%
11	1,008	Sports & Recreation 303 or 30.1%	Falls 19.5%	Struck by/Striking Object 169 or 16.8%
12	978	Sports & Recreation 319 or 32.6%	Falls 182 or 18.6%	Struck by/Striking Object 132 or 13.5%
13	1,027	Sports & Recreation 387 or 37.7%	Struck by/Striking Object 159 or 15.5%	Falls 149 or 14.5%
14	1,037	Sports & Recreation 359 or 34.6%	Falls 151 or 14.6%	Struck by/Striking Object 149 or 14.4%
15	1,035	Sports & Recreation 407 or 39.3%	Struck by/Striking Object 143 or 13.8%	Falls 128 or 12.4%
16	995	Sports & Recreation 313 or 31.5%	Struck by/Striking Object 143 or 14.4%	Falls 128 or 12.9%
17	1,006	Sports & Recreation 272 or 27.0%	Struck by/Striking Object 146 or 14.5%	Vehicle Related 138 or 13.7%

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
44601	1,409	Falls 379 or 26.9%	Struck by/Striking Object 247 or 17.5%	Sports & Recreation 203 or 14.4%
44608	83	Sports & Recreation 23 or 27.7%	Falls 15 or 18.1%	Struck by/Striking Object 10 or 12.0%
44613	78	Sports & Recreation 25 or 32.1%	Falls 16 or 20.5%	Struck by/Striking Object 8 or 10.3%
44614	336	Sports & Recreation 103 or 30.7%	Falls 74 or 22.0%	Struck by/Striking Object 60 or 17.9%
44626	137	Sports & Recreation 37 or 27.0%	Falls 34 or 24.8%	Struck by/Striking Object 24 or 17.5%
44630	4	Falls, Cut by Sharp Object, Struck by/ Striking Object and Sports & Recreation 1 or 25.0%	_____	_____
44632	256	Falls 64 or 25.0%	Sports & Recreation 60 or 23.4%	Struck by/Striking Object 41 or 16.0%
44641	583	Falls 152 or 26.1%	Sports & Recreation 134 or 23.0%	Struck by/Striking Object 92 or 15.8%
44643	113	Falls 30 or 26.5%	Sports & Recreation 28 or 24.8%	Struck by/Striking Object 20 or 17.7%
44646	2,038	Falls 471 or 23.1%	Sports & Recreation 469 or 23.0%	Struck by/Striking Object 377 or 18.5%
44647	710	Sports & Recreation 181 or 25.5%	Falls 1151 or 21.3%	Struck by/Striking Object 117 or 16.5%
44648	1	Falls 1 or 100%	_____	_____
44650	1	Falls 1 or 100%	_____	_____

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
44652	3	Falls, Vehicle Related and Animal Related 1 or 33.3%	_____	_____
44657	150	Falls 35 or 23.3%	Sports & Recreation 33 or 22.0%	Struck by/Striking Object 20 or 13.3%
44662	233	Falls 54 or 23.2%	Sports & Recreation 50 or 21.5%	Struck by/Striking Object 48 or 20.6%
44666	96	Sports & Recreation 33 or 34.4%	Falls 17 or 17.7%	Struck by/Striking Object 12 or 12.5%
44669	41	Sports & Recreation 13 or 31.7%	Falls 10 or 24.4%	Struck by/Striking Object 5 or 12.2%
44670	1	Sports & Recreation 1 or 100%	_____	_____
44685	787	Sports & Recreation 223 or 26.2%	Falls 206 or 26.2%	Struck by/Striking Object 125 or 15.9%
44688	134	Falls 35 or 26.1%	Sports & Recreation 29 or 21.6%	Struck by/Striking Object 27 or 20.1%
44689	11	Sports & Recreation 5 or 45.5%	Falls 3 or 27.3%	Struck by/Striking Object 2 or 18.2%
44701	7	Sports & Recreation 3 or 42.9%	Falls 2 or 28.6%	Struck by/Striking Object and Overexertion/Strenuous Movements 1 or 14.3%
44702	31	Struck by/Striking Object 6 or 23.1%	Falls 7 or 22.6%	Physical Harm 4 or 12.9%

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
44703	410	Falls 111 or 27.1%	Sports & Recreation and Struck by/Striking Object 64 or 15.6%	Cut by Sharp Object 35 or 8.5%
44704	189	Falls 48 or 25.4%	Struck by/Striking Object 36 or 19.0%	Sports & Recreation 35 or 18.5%
44705	905	Falls 258 or 28.5%	Struck by/Striking Object 158 or 17.5%	Sports & Recreation 150 or 16.6%
44706	834	Falls 214 or 25.7%	Sports & Recreation 168 or 20.1%	Struck by/Striking Object 160 or 19.2%
44707	525	Falls 130 or 24.8%	Struck by/Striking Object 106 or 20.2%	Sports & Recreation 143 or 16.6%
44708	864	Falls 228 or 26.4%	Sports & Recreation 205 or 23.7%	Struck by/Striking Object 143 or 16.6%
44709	582	Falls 150 or 25.8%	Sports & Recreation 123 or 21.1%	Struck by/Striking Object 105 or 18.0%
44710	470	Falls 115 or 24.5%	Sports & Recreation 94 or 20.0%	Struck by/Striking Object 87 or 18.5%
44714	270	Falls 65 or 24.1%	Sports & Recreation 62 or 23.0%	Struck by/Striking Object 60 or 22.2%
44718	292	Sports & Recreation 87 or 30.0%	Falls 72 or 24.7%	Struck by/Striking Object 44 or 15.1%
44720	1,192	Sports & Recreation 320 or 26.8%	Falls 281 or 23.6%	Struck by/Striking Object 214 or 18.0%
44721	390	Sports & Recreation 106 or 27.2%	Falls 96 or 24.6%	Struck by/Striking Object 71 or 18.2%
44730	159	Sports & Recreation 44 or 27.7%	Falls 37 or 23.3%	Struck by/Striking Object 30 or 18.9%
44735	1	Falls 1 or 100%	—	—

SIGNIFICANT FINDINGS & RECOMMENDATIONS

The 14 year olds have the highest total number of injuries, 2 year olds have the highest number of injuries treated at the Emergency Department and 11 year olds have the highest number of injuries treated at the Immediate Care Facilities.

11 and 13 year olds still have the highest injury rates, so work needs to continue with school-aged programs.

Less than 1% of the injuries resulted in hospital admittance.

Falls are the leading cause of injury to children birth through age 9. *Sports & Recreation* is the leading cause to children ages 10-17.

May, September and June were the highest months of reported injuries. February, December, and November were the lowest.

Males were treated more than females at both Immediate Care facilities and at Hospital ED's.

Nearly 40% of all *Falls* are suffered by children age 4 and under. *Falls* peak between ages 1 and 3.

Over 70% of all *Sports & Recreation* injuries are suffered by children ages 11 and older.

Over 30% of all *Vehicle Related* injuries are suffered by 16 and 17 year olds. Approximately 13% of the visits are to "car seat age" children. Approximately 12% of the visits are to "booster seat age" children.

Approximately half of the *Wheeled Sports* visits are from children ages 9 to 14.

Visits due to *Physical Harm* spike at age 11.

Visits due to *Foreign Body* injuries drop after age 6.

Poisonings had the lowest discharge rate, followed by *Burns & Fire Related*.

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.

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.

Other Areas

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

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