

EMS System: **SAMPLE**

Date/Time of Toolkit Generation:	12/3/2010
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Toolkit Date Range:	6/1/2010 – 11/30/2010
EMS Urban Group:	Urban

The EMS Acute Pediatric Care Toolkit is a comprehensive analysis of an EMS System's Acute Pediatric patient demographics and care for the date range indicated above. This report provides a description of the care provided by the EMS System from several perspectives. Included in this EMS Toolkit is an analysis of EMS System performance, individual EMS personnel performance, and EMS patient care. Included in this Toolkit are comparative Benchmarks with other groups based upon the Urban Influence Codes and with the entire state.

This Toolkit is divided into many sections, each representing a different component of an EMS System, its personnel, and patient care. The pediatric patient population has been divided into 5 age groups to better analyze and provide insight to EMS Systems. Within each of the 5 pediatric age groups, patients are analyzed from an injury and illness perspective focusing on the assessment and exam of a pediatric patient. This information is further used to describe and analyze the care provided to patients with acute respiratory distress/failure, acute circulatory distress/shock, and pain control.

Within each section of this Toolkit, interventions are recommended based on the analysis of each EMS System. Each EMS System is encouraged to review this report fully along with the recommended interventions which could lead to EMS System Pediatric Care improvement. After an intervention has been implemented within an EMS System and 3 to 6 months of EMS data (depending on the EMS System's volume of pediatric patients) has been collected within PreMIS, the EMS System should generate the EMS Acute Pediatric Care Toolkit again. The repeated use of this toolkit will allow each EMS System to measure and monitor its performance and improvement.

Any questions regarding this EMS Acute Pediatric Care Toolkit or any other Toolkit product should be directed to the EMS Performance Improvement Center(www.emspic.org).

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Glossary of Terms

To better understand and apply this toolkit, a glossary of terms has been provided. It is most beneficial to read this glossary prior to reviewing the EMS Toolkit results.

EMS Similar System or Agency Grouping: The benchmarking/comparison grouping an EMS Agency has been assigned based upon the 2003 Urban Influence Codes maintained by the United States Department of Agriculture. Urban Influence codes allow each county to be grouped with similar counties within a state and nationally. EMS Agencies can identify their peer group by looking at one of the 4 groupings: Urban, Suburban, Rural, and Wilderness. Details on Urban Influence Codes can be found at <http://www.ers.usda.gov/Briefing/Rurality/UrbanInf>.

State: This refers to data calculations for the entire state which includes any and all EMS systems or agencies providing data. Typically calculations of state EMS data are based on averages or 90% Fractile measurements.

Minimum Value: The lowest number or smallest value for a specific measurement.

Maximum Value: The highest number or highest value for a specific measurement.

Average Value: The average is the sum (total amount) of all of the numbers divided by the number of items for a specific measurement.

Median Value: The middle point of a group of numbers.

90% Fractile Value: The value or measurement at which 90% of all events occur. This is typically used in time measurements to better standardize performance across systems or agencies.

Standard Deviation: A measurement of the how much variation or distance there is between values. The higher the standard deviation, the greater variability there is within a measurement.

n: The number of records or events considered in the calculation or measurement.

Lights and Sirens: A lights and sirens, emergent response to or from an EMS event.

No Lights and Sirens: A normal traffic speed response (no lights and sirens) to or from an EMS event.

Section A: EMS Acute Pediatric Care Overview

Purpose:

This section will provide descriptive information related to the acute pediatric patients who have been cared for by the EMS System during the date range selected for this EMS Toolkit.

Definition of Pediatric Patient

For the EMS Acute Pediatric Care Toolkit, an Acute Pediatric Patient is defined as any patient less than 18 years of age cared for by an EMS System. Patients are further subdivided into the following age groups:

- * Infant = < 3 months of age
- * Toddler = 3 months to < 3 years
- * Pre-School = 3 to < 6 years
- * School Age = 6 to < 12 years
- * Adolescent = 12 to < 18 years

Record Selection Information:

- * Data elements used to identify an Acute Pediatric Patient are the following:
 - * The Unit Notified Date is used to select the records for the Date Range
 - * Incident/Patient Disposition (E20_10) = No Treatment Required; Patient Refused Care; Treated and Released; Treated, Transported by EMS; Treated, Transferred Care; Treated, Transported by Law Enforcement; or Treated, Transported by Private Vehicle
 - * An "**Acute Pediatric Patient**" is any patient whose age is less than 18 years of age

Acute Pediatric Care Toolkit Summary

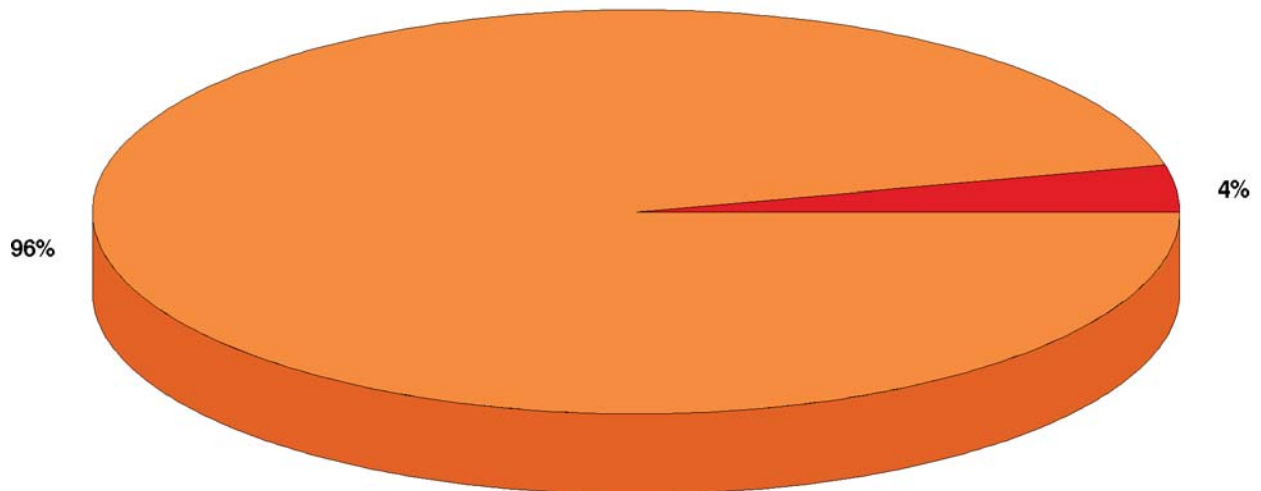
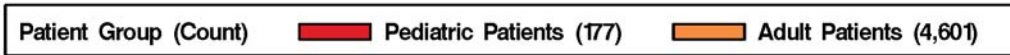
SAMPLE

6/1/2010 - 11/30/2010

	EMS System	State
Total Patients found for Date Range	5,007	708,923
Total Patient Records Usable for Toolkit	4,778 (95%)	638,481 (90%)
* Pediatric Patients	177 (4%)	39,930 (6%)
* Adult Patients	4,601 (96%)	583,030 (91%)
* Unknown Patients	0 (0%)	15,521 (2%)
Total Patients	4,778	638,481
Distribution of Pediatric Patients		
* Infant (< 3 months)	13 (7%)	2,629 (7%)
* Toddler (3 months to < 3 years)	24 (14%)	8,407 (21%)
* Pre-School (3 years to < 6 years)	23 (13%)	4,826 (12%)
* School Age (6 years to < 12 years)	40 (23%)	7,718 (19%)
* Adolescent (12 years to < 18 years)	77 (44%)	16,350 (41%)
Overall Disposition of Pediatric Patients		
* No Treatment Required	3 (2%)	1,464 (4%)
* Patient Refused Care	51 (29%)	6,841 (17%)
* Treated and Released	5 (3%)	2,779 (7%)
* Treated, Transferred Care	8 (5%)	1,018 (3%)
* Treated, Transported by EMS	106 (60%)	27,646 (69%)
* Treated, Transported by Law Enforcement	0 (0%)	27 (<1%)
* Treated, Transported by Private Vehicle	4 (2%)	155 (<1%)

Pediatric Patients

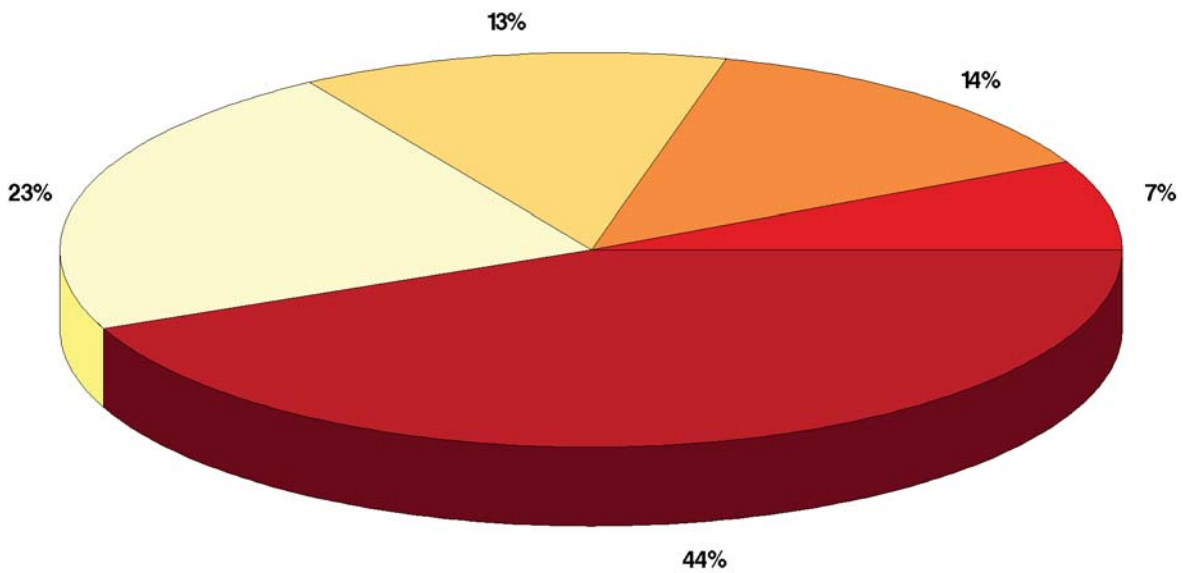
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Pediatric Patients by Age Groups

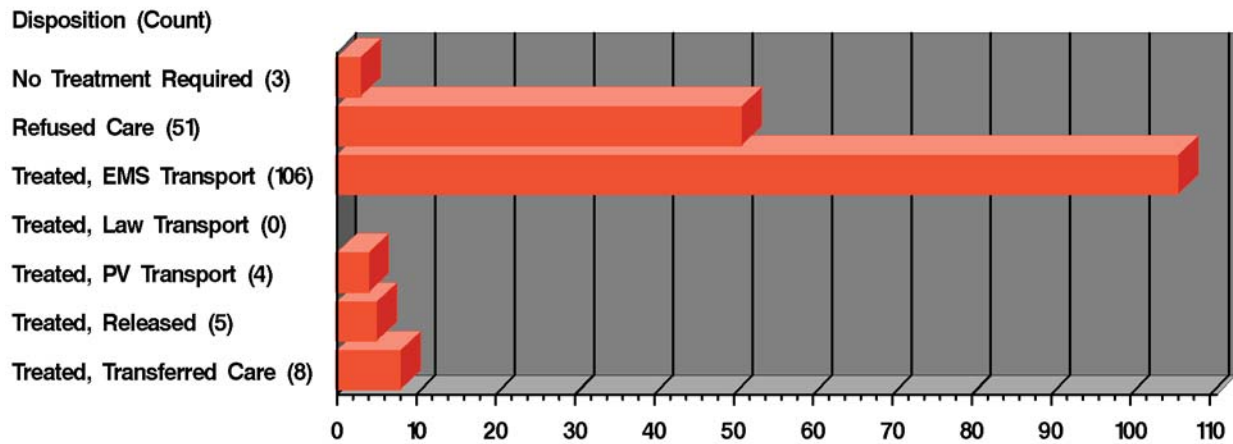
6/1/2010 - 11/30/2010

Pediatric Group (Count)	Infant (13)	Toddler (24)	Pre-School (23)
	School Age (40)	Adolescent (77)	



Pediatric Patient Disposition

6/1/2010 - 11/30/2010



Section B: EMS Acute Pediatric Care Data Quality

Purpose:

This section will evaluate, analyze, and measure the completeness of the existing data submitted into PreMIS and the additional data elements collected at the time the EMS Acute Pediatric Care Toolkit for the selected date range.

Definition of Pediatric Patient

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 - * An "**Acute Pediatric Patient**" is any patient whose age is less than 18 years of age

Required Acute Pediatric Care Data Elements

The following data elements are required for the EMS Acute Pediatric Care Toolkit. If any of these data elements are missing, the Pediatric Care Toolkit will not function properly in some way or it will be inaccurate in its description of the EMS System. The table provided below lists any of these required data elements which are not currently being submitted by the EMS System.

Although many additional data elements are used in the EMS Pediatric Care Toolkit, the following data elements are required for the EMS Toolkit to be generated.

- * E01_01: Patient Care Report Number
- * E03_01: Complaint Reported by Dispatch
- * E04_01: Crew Member ID
- * E04_02: Crew Member Role

- * E05_04: Unit Notified by Dispatch Date/Time
- * E06_14: Age
- * E06_15: Age Units
- * E09_04: Possible Injury (PreMIS V1: Injury Present)
- * E09_11: Chief Complaint Anatomic Location
- * E09_12: Chief Complaint Organ System
- * E09_13: Primary Symptom
- * E14_01: Date/Time Vital Signs Taken
- * E14_07: Pulse Rate
- * E14_09: Pulse Oximetry
- * E14_11: Respiratory Rate
- * E14_14: Blood Glucose Level
- * E14_20: Temperature
- * E14_22: Level of Responsiveness
- * E14_23: Pain Scale
- * E16_02: Broselow-Luten Color
- * E16_06: Neck Assessment
- * E16_07: Chest/Lungs Assessment
- * E16_08: Heart Assessment
- * E16_24: Neurological Assessment
- * E17_01: Protocols Used
- * E18_03: Medication Given
- * E19_03: Procedure
- * E20_10: Incident/Patient Disposition
- * E20_15: Condition of Patient at Destination
- * E22_01: Emergency Department Disposition
- * E22_02: Hospital Disposition

Missing Required Pediatric Care Toolkit Data Elements

Missing Required Pediatric Toolkit Data Elements

SAMPLE

6/1/2010 - 11/30/2010

Element Description
Emergency Department Disposition
Hospital Disposition

Pediatric Care Data Element Completion Rates

The following table lists all of the data elements which are used in the EMS Pediatric Care Toolkit. If any one of these data elements are missing, at least one piece of the EMS Pediatric Care Toolkit will either not function correctly or will be inaccurate in its description of the EMS Service. Percentages are based upon the Record Selection Information listed for this section as well as valid values for each of the data elements.

- * Items shaded in Gray indicate that the EMS System is completing the Data Element at least 10% less frequently than the State average.
- * Items shaded in Red indicate that the EMS System is not collecting or providing the data to PreMIS.

Pediatric Care Data Element Completion Rates

SAMPLE

6/1/2010 - 11/30/2010

Data Element	EMS System Completion Rate	State Completion Rate
PSAP Call Date	8%	62%
PSAP Call Time	8%	62%
Unit Notified by Dispatch Date	100%	100%
Unit Notified by Dispatch Time	100%	100%
Unit En Route Date/Time	100%	94%
Unit Arrived on Scene Date/Time	100%	96%
Arrived at Patient Date/Time	100%	69%
Unit Left Scene Date/Time	99%	79%
Patient Arrived at Destination Date/Time	64%	73%
Type of Response Delay	92%	46%
Type of Scene Delay	93%	49%
Type of Transport Delay	56%	37%
Beginning Odometer Reading of Responding Vehicle	100%	54%
On-Scene Odometer Reading of Responding Vehicle	100%	71%
Patient Destination Odometer Reading of Respondi	99%	67%
Response Mode to Scene	100%	100%
Type of Service Requested	100%	100%
Incident County	100%	82%
Incident State	100%	100%
Incident ZIP Code	100%	91%

Data Element	EMS System Completion Rate	State Completion Rate
Possible Injury	68%	61%
Chief Complaint Organ System	73%	37%
Other Associated Symptoms	50%	52%
Chief Complaint Anatomic Location	72%	37%
Primary Role of the Unit	100%	100%
Incident Location Type	61%	89%
Complaint Reported by Dispatch	95%	76%
EMD Card Number	0%	28%
Chief Complaint	100%	87%
Alcohol/Drug Use Indicators	83%	32%
Cause of Injury	22%	8%
Cardiac Arrest Etiology	<1%	<1%
Destination/Transferred To, Name	100%	71%
Incident/Patient Disposition	100%	100%
Transport Mode from Scene	64%	71%
Reason for Choosing Destination	65%	68%
Type of Destination	65%	72%
Patient Care Report Number	100%	100%
EMS Agency Number	100%	100%
Crew Member ID	98%	87%
Crew Member Role	94%	82%
Patient's Home Zip Code	99%	86%
Gender	99%	90%
Race	72%	83%
Ethnicity	63%	74%
Age	100%	89%
Age Units	100%	89%
Primary Symptom	100%	100%
Provider's Primary Impression	64%	28%
Intent of Injury	45%	11%
Mechanism of Injury	42%	7%
Barriers to Patient Care	65%	53%
SBP (Systolic Blood Pressure)	58%	69%

Data Element	EMS System Completion Rate	State Completion Rate
Pulse Oximetry	64%	58%
Respiratory Rate	85%	71%
Level of Responsiveness	89%	61%
Revised Trauma Score	45%	27%
Pediatric Trauma Score	2%	4%
Protocols Used	19%	41%
Date/Time Medication Administered	25%	23%
Medication Given	25%	24%
Date/Time Procedure Performed Successfully	95%	40%
Procedure	91%	42%
Number of Procedure Attempts	92%	39%
Procedure Successful	92%	40%
Procedure Crew Member ID	92%	92%
Emergency Department Disposition	0%	2%
Hospital Disposition	0%	2%
Who Generated This Report	94%	77%
Primary Method of Payment	90%	42%
Provider's Secondary Impression	16%	4%
Cardiac Arrest	92%	69%
Destination Zip Code	100%	68%
Date/Time Vital Signs Taken	90%	75%
Cardiac Rhythm	25%	26%
Level of Service	100%	100%
EMD Performed	0%	38%
Secondary Complaint Narrative	9%	15%
Position of Patient in the Seat of the Vehicle	20%	8%
Use of Occupant Safety Equipment	20%	4%
Height of Fall	9%	1%
Presence of Emergency Information Form	69%	24%
Obtained Prior to this Units EMS Care	88%	73%
DBP (Diastolic Blood Pressure)	50%	68%
Pulse Rate	79%	71%
Respiratory Effort	76%	67%

Data Element	EMS System Completion Rate	State Completion Rate
Blood Glucose Level	20%	24%
Temperature	2%	5%
Pain Scale	21%	41%
Broselow/Luten Color	13%	<1%
Skin Assessment	2%	33%
Chest/Lungs Assessment	2%	25%
Heart Assessment	2%	14%
Mental Status Assessment	2%	39%
Neurological Assessment	2%	29%
Medication Administered Prior to Units EMS Care	0%	0%
Medication Dosage	25%	23%
Medication Dosage Units	25%	23%
Procedure Performed Prior to Units EMS Care	94%	38%
Size of Procedure Equipment	23%	18%
Successful IV Site	20%	17%
Destination State	100%	100%
Destination County	100%	65%
Condition of Patient at Destination	64%	63%

Missing Additional Pediatric Care Toolkit Data Elements

There are a total of 5 data elements which are used in the EMS Acute Pediatric Care Toolkit which are not collected through PreMIS. These data elements are collected at the time the EMS Toolkit is generated through an interactive web form. At the time this EMS Toolkit was generated, the following information was not provided.

Missing Additional Pediatric Toolkit Data Elements

SAMPLE

6/1/2010 - 11/30/2010

No additional Toolkit Elements are missing.

Section C: EMS System Capability

Purpose:

This section will describe the EMS System's capability with respect to Pediatric Care. The key functions or components important to timely EMS service delivery, reliable personnel performance, and quality patient care will be presented.

Components of the EMS System evaluated in this section include:

- * Population and Census Information
- * EMS Personnel's Level of Care
- * EMS System Structural Components
- * Dispatch Center Capabilities
- * Hospital Capability

Based upon the Urban Influence Codes maintained by the United States Department of Agriculture, the SAMPLE System falls within the **Urban** category.

The data elements required to complete the analysis in this section are based on the additional data elements collected either at the time this EMS Toolkit was generated or were collected as a part of the EMS System Response Toolkit. **If any data elements are missing, please make sure you have generated an EMS System Response Toolkit and provided all of the information requested.**

EMS System Components and Demographic Information

Statistics

SAMPLE

6/1/2010 - 11/30/2010

	EMS System	Urban Group Average	State Average
Census Data			
* Square Miles	554	533	53,819
* Total Population	89,173	137,136	9,222,414
* - Age 0 to 4 Years	5,649 (6%)	10,821 (8%)	606,072 (7%)
* - Age 5 to 9 Years	5,595 (6%)	10,142 (7%)	578,117 (6%)
* - Age 10 to 14 Years	5,789 (6%)	10,304 (8%)	597,168 (6%)
* - Age 15 to 17 Years	3,599 (4%)	6,140 (4%)	359,684 (4%)
Cultural and Economic Data			
* % of the population in Poverty	12%	13%	14%
* % of the Population: White	90%	73%	74%
* % of the Population: Black	3%	19%	22%
* % of the Population: Hispanic	5%	4%	7%
* % of the Population with a High School Degree or better	83%	77%	78%
* Median Age	43	36	37
EMS Capabilities			
* Highest Level of Service	EMT-P	EMT-P (97%)	EMT-P (87%)
* % of Population covered by First Responders	100%	85%	74%
* % of EMT-Paramedic Staff trained in Pediatric Life Support (PALS or PEPP)	25%	80%	86%
* Has the EMS System implemented a KidBase Program to identify Children with Special Healthcare needs?	No	0 (0%) Yes	5 (5%) Yes
* Has the EMS System implemented Special Healthcare needs Procedures within the EMS System?	No	7 (18%) Yes	11 (11%) Yes
Dispatch Center			

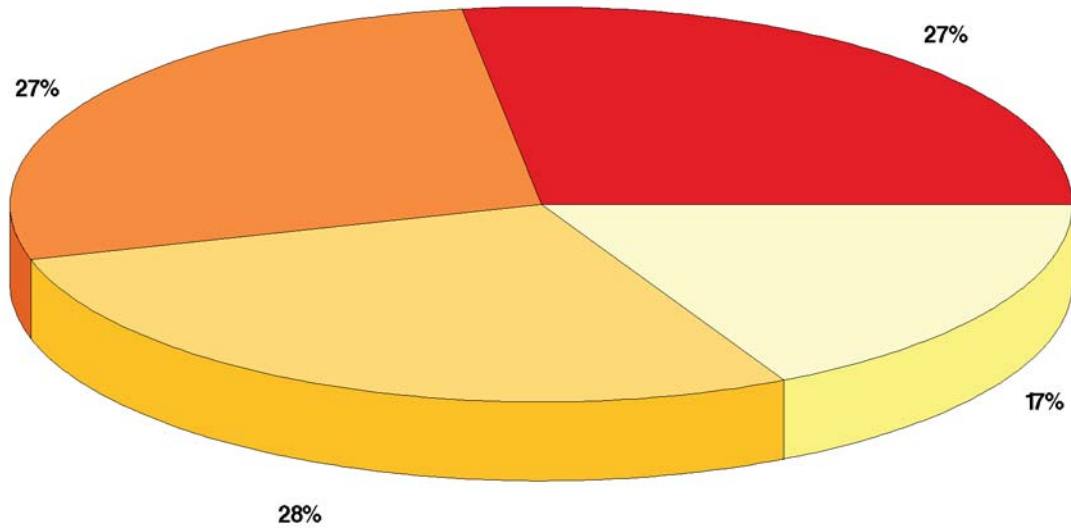
	EMS System	Urban Group Average	State Average
* Basic 911	No	11 (29%) Yes	23 (23%) Yes
* Enhanced 911	No	30 (79%) Yes	81 (83%) Yes
* EMD	Yes	29 (76%) Yes	60 (61%) Yes
* Phase 2 Compliance	No	23 (61%) Yes	55 (56%) Yes
Hospital Capabilities			
* Hospital in County	Yes	33 (87%) Yes	77 (79%) Yes
* Trauma Center in County	No	9 (24%) Yes	11 (11%) Yes
* Distance to Nearest Trauma Center	45	35	48
* Ability to Bypass Hospital in county to go directly to trauma Center	No	9 (24%) Yes	22 (22%) Yes

System Population Age Distribution

SAMPLE Population Age Distribution

6/1/2010 - 11/30/2010

Pediatric Group (COUNT)	Age grp 0—4 yrs(5,649)	Age grp 5—9 yrs(5,595)
	Age grp 10—14 yrs(5,789)	Age grp 15—17 yrs(3,599)



Section D: Infant (<3 Months of Age)

Purpose:

This section will evaluate, analyze, and provide insight into the care of infants. Information provided will describe the types of illness and injuries common to the infant age group from national, state, and local perspective. The evaluation and clinical care provided to infants will be analyzed focusing on assessment, respiratory distress/failure, and circulatory emergencies.

Information included in this section is taken from two sources:

- * The Centers for Disease Control and Prevention (CDC)
- * Data provided to PreMIS for the Date Range Selected

Based upon the Urban Influence Codes maintained by the United States Department of Agriculture, the SAMPLE System falls within the **Urban** category.

Definition of Pediatric Patient

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- * School Age = 6 to < 12 years
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Record Selection Information:

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 - * **For this section only Infant patients who are less than 3 months of age are analyzed**

CDC Injury Fatality Rates

The Centers for Disease Control and Prevention (CDC) maintains Injury Fatality data on every county in the United States. This table and chart describe the EMS System’s injury fatality rates for 8 injury types. The EMS System is also benchmarked with North Carolina and the United States. Fatality rates are defined as the number of deaths per 100,000 population per year of each age group.

CDC Injury Fatality Rates for Children by Age

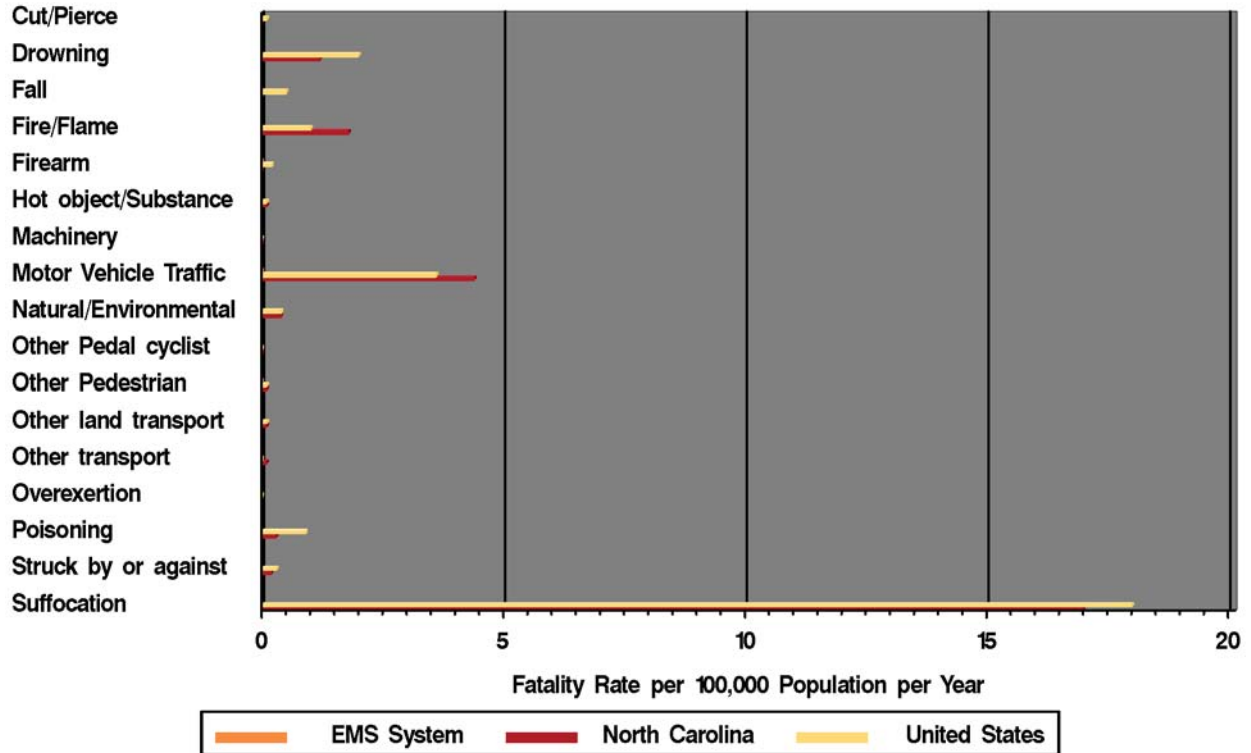
- * Fatality Rates are defined as deaths per 100,000 population per year.
- * Injuries shaded in gray indicate high injury rates compared to North Carolina or the United States.

CDC Injury Fatality Rates for Infants (< 1 Year of Age)

(1999-2006)

Injury Type	EMS System Fatality Rate	North Carolina Fatality Rate	US Fatality Rate
Cut/Pierce	NA	0	.1
Drowning	NA	1	2
Fall	NA	0	.5
Fire/Flame	NA	2	1
Firearm	0	0	.2
Hot object/Substance	NA	.1	.1
Machinery	NA	0	0
Motor Vehicle Traffic	0	4	4
Natural/Environmental	NA	.4	.4
Other Pedal cyclist	NA	0	0
Other Pedestrian	0	.1	.1
Other land transport	NA	.1	.1
Other transport	NA	.1	0
Overexertion	NA	NA	0
Poisoning	NA	.3	.9
Struck by or against	NA	.2	.3
Suffocation	NA	17	18

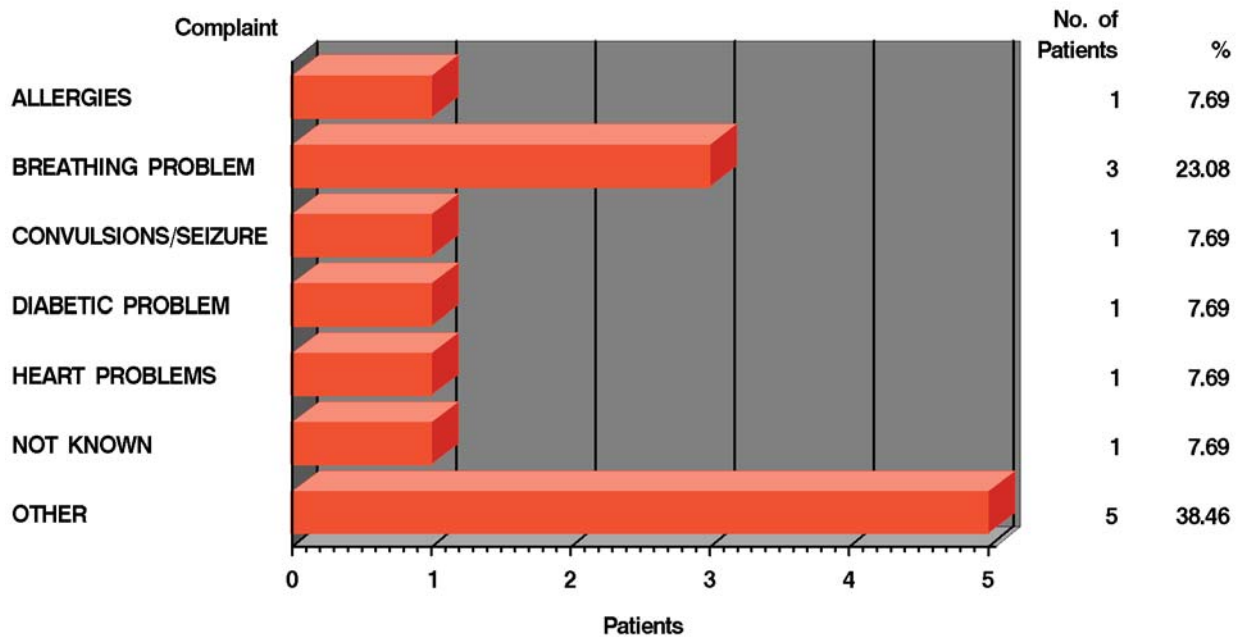
CDC Injury Fatality Rates for Infants (< 1 Year of Age)
(1999-2006)



Infant Patient Problem by Dispatch Complaint

Infant Patient Problem by Dispatch Complaint

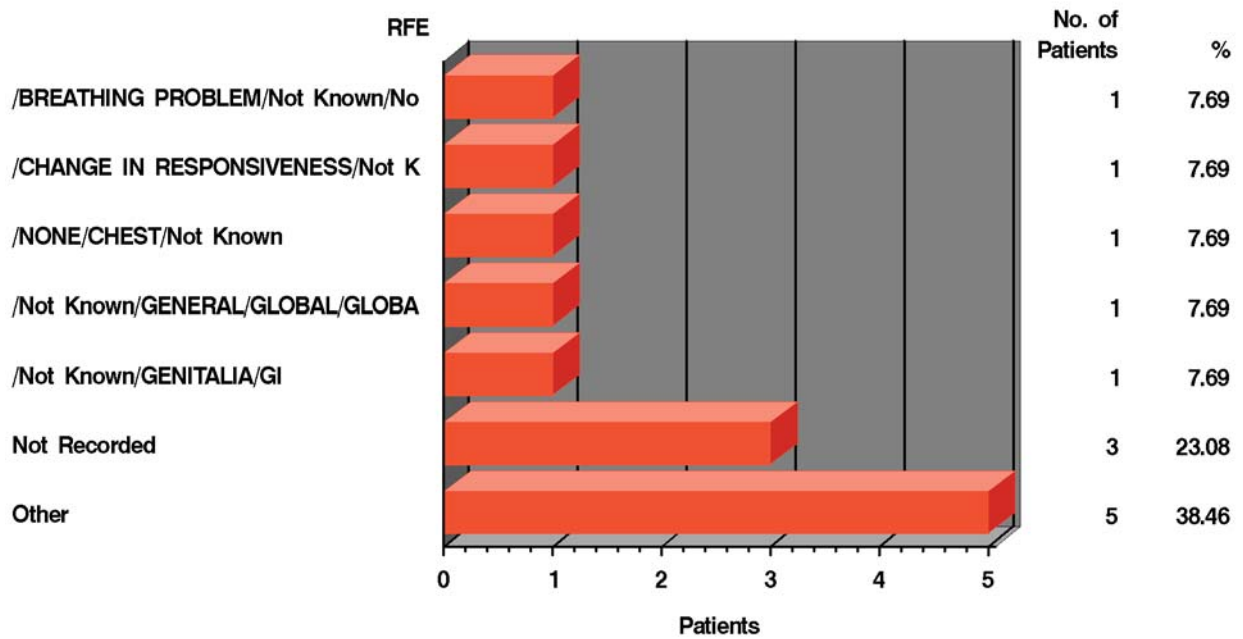
6/1/2010 - 11/30/2010



Infant Patient Reason for Encounter Information

Infant Patient Reason for Encounter Information

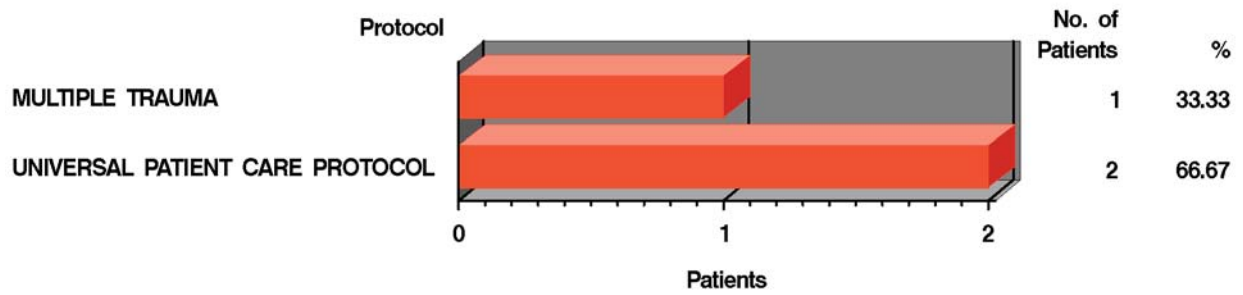
6/1/2010 - 11/30/2010



Infant Patient Problem by Protocol Used

Infant Patient Problem by Protocol Used

6/1/2010 - 11/30/2010



Assessment of the Infant Patient: Vital Signs Compliance

Assessment of the Infant Patient: Vital Signs Compliance

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Patients	Heart Rate Documented	Respiratory Rate Documented	Pulse Oximetry Documented	Temperature Documented	Responsiveness Documented	Broselow-Luten Color Documented
P000000	2	2(100%)	2(100%)	0(0%)	0(0%)	2(100%)	1(50%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	1(100%)
P000000	1	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	2(100%)
EMS System Average	9	8(89%)	8(89%)	5(56%)	0(0%)	8(89%)	4(44%)
State Average	4,189	3,712(89%)	3,645(87%)	2,897(69%)	1,296(31%)	3,174(76%)	607(14%)

Assessment of the Infant Patient: Exam Compliance

Assessment of the Infant Patient: Exam Compliance

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Patients	Chest Lungs Assessment	Heart Assessment	Mental Assessment	Neck Assessment	Neurologic Assessment	Skin Assessment
State Average	4,205	1,550(37%)	1,529(36%)	1,699(40%)	801(19%)	1,244(30%)	1,855(44%)

Treatment of the Infant Patient: Respiratory Distress/Failure
Treatment of the Infant Patient: Respiratory Distress/Failure
SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Oxygen	Beta-Agonist	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
000000	06/13/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
000000	07/16/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/28/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/24/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
000000	08/13/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/08/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
000000	07/20/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
000000	07/20/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
000000	09/12/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	08/19/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	08/19/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	09/20/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	09/13/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
Total "Yes" Count		0	0	0	0	0	0	2		

Total Patient count: 13

Treatment of the Infant Patient: Circulatory Distress/Shock

Treatment of the Infant Patient: Circulatory Distress/Shock

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Oxygen	Glucose Check	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
000000	06/13/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
000000	07/16/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/28/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/24/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
000000	08/13/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/08/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
000000	07/20/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
000000	07/20/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
000000	09/12/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	08/19/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	08/19/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	09/20/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	09/13/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
Total "Yes" Count		0	0	0	0	0	0	2		

Total Patient count: 13

Section E: Toddler (3 Months to <3 Years of Age)

Purpose:

This section will evaluate, analyze, and provide insight into the care of toddlers. Information provided will describe the types of illness and injuries common to the toddler age group from national, state, and local perspective. The evaluation and clinical care provided to toddlers will be analyzed focusing on assessment, respiratory distress/failure, circulatory emergencies, and pain control.

Information included in this section is taken from two sources:

- * The Centers for Disease Control and Prevention (CDC)
- * Data provided to PreMIS for the Date Range Selected

Based upon the Urban Influence Codes maintained by the United States Department of Agriculture, the SAMPLE System falls within the **Urban** category.

Definition of Pediatric Patient

For the EMS Acute Pediatric Care Toolkit, an Acute Pediatric Patient is defined as any patient less than 18 years of age cared for by an EMS System. Patients are further subdivided into the following age groups:

- * Infant = < 3 months of age
- * Toddler = 3 months to < 3 years
- * Pre-School = 3 to < 6 years
- * School Age = 6 to < 12 years
- * Adolescent = 12 to < 18 years

Record Selection Information:

- * Data elements used to identify an Acute Pediatric Patient are the following:
 - * The Unit Notified Date is used to select the records for the Date Range
 - * Incident/Patient Disposition (E20_10) = No Treatment Required; Patient Refused Care; Treated and Released; Treated, Transported by EMS; Treated, Transferred Care; Treated, Transported by Law Enforcement; or Treated, Transported by Private Vehicle
 - * **For this section only Toddler patients who are at least 3 months of age but less than 3 years of age are analyzed**

CDC Injury Fatality Rates

The Centers for Disease Control and Prevention (CDC) maintains Injury Fatality data on every county in the United States. This table and chart describe the EMS System’s injury fatality rates for 8 injury types. The EMS System is also benchmarked with North Carolina and the United States. Fatality rates are defined as the number of deaths per 100,000 population per year of each age group.

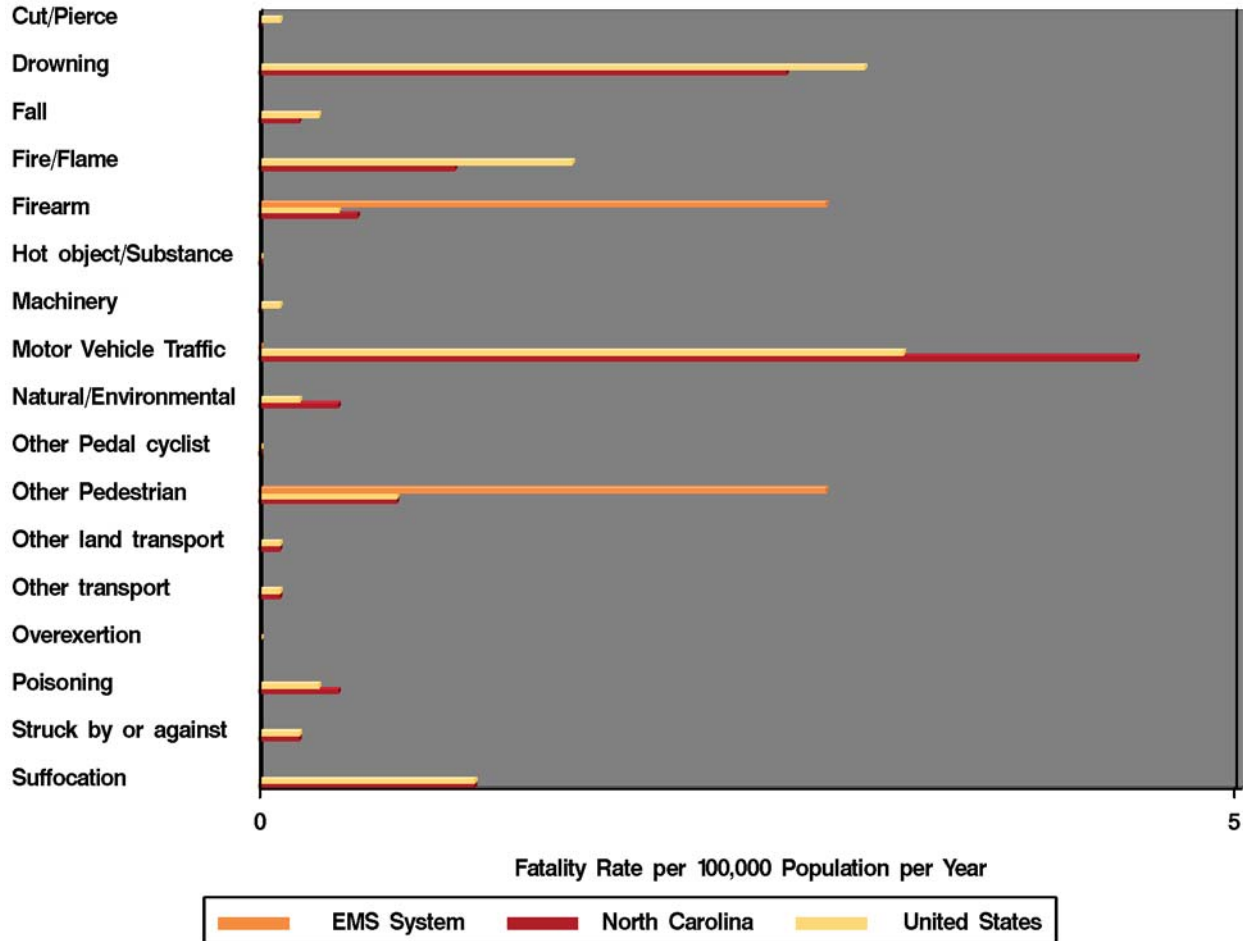
- * Fatality Rates are defined as deaths per 100,000 population per year.
- * Injuries shaded in gray indicate high injury rates compared to North Carolina or the United States.

CDC Injury Fatality Rates for Toddlers (1 to 4 Years of Age)

(1999-2006)

Injury Type	EMS System Fatality Rate	North Carolina Fatality Rate	US Fatality Rate
Cut/Pierce	NA	0	.1
Drowning	NA	3	3
Fall	NA	.2	.3
Fire/Flame	NA	1	2
Firearm	3	.5	.4
Hot object/Substance	NA	0	0
Machinery	NA	0	.1
Motor Vehicle Traffic	0	5	3
Natural/Environmental	NA	.4	.2
Other Pedal cyclist	NA	0	0
Other Pedestrian	3	.7	.7
Other land transport	NA	.1	.1
Other transport	NA	.1	.1
Overexertion	NA	NA	0
Poisoning	NA	.4	.3
Struck by or against	NA	.2	.2
Suffocation	NA	1	1

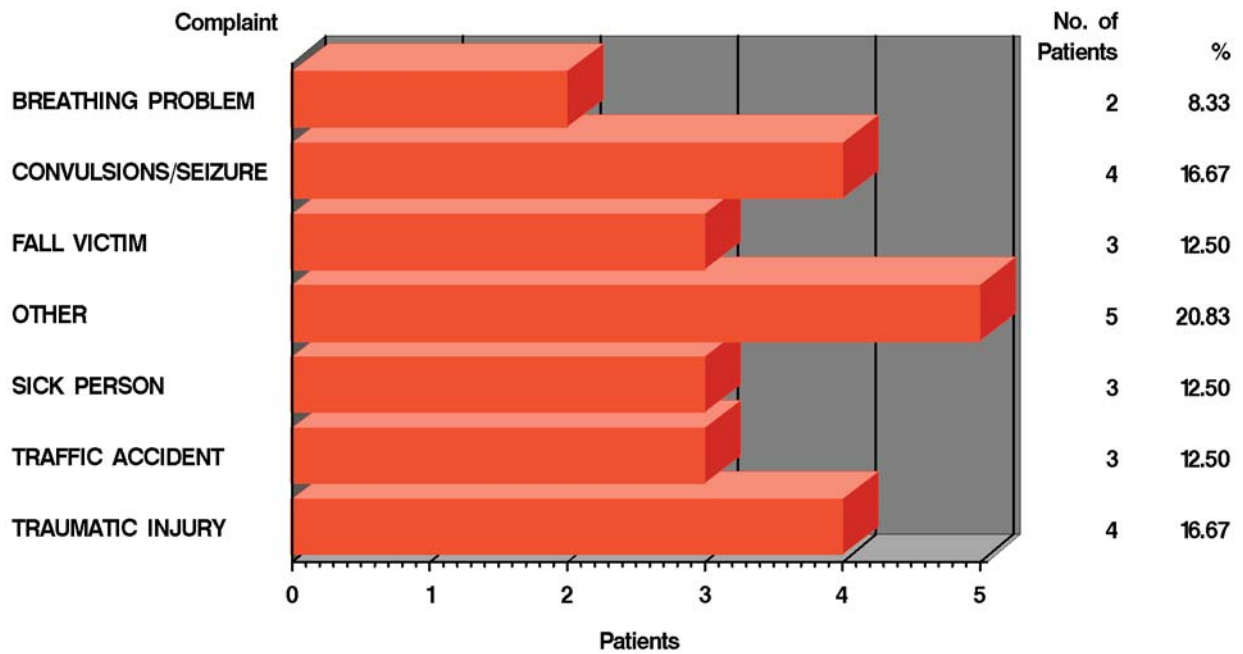
CDC Injury Fatality Rates for Toddlers (1 to 4 Years of Age)
(1999-2006)



Toddler Patient Problem by Dispatch Complaint

Toddler Patient Problem by Dispatch Complaint

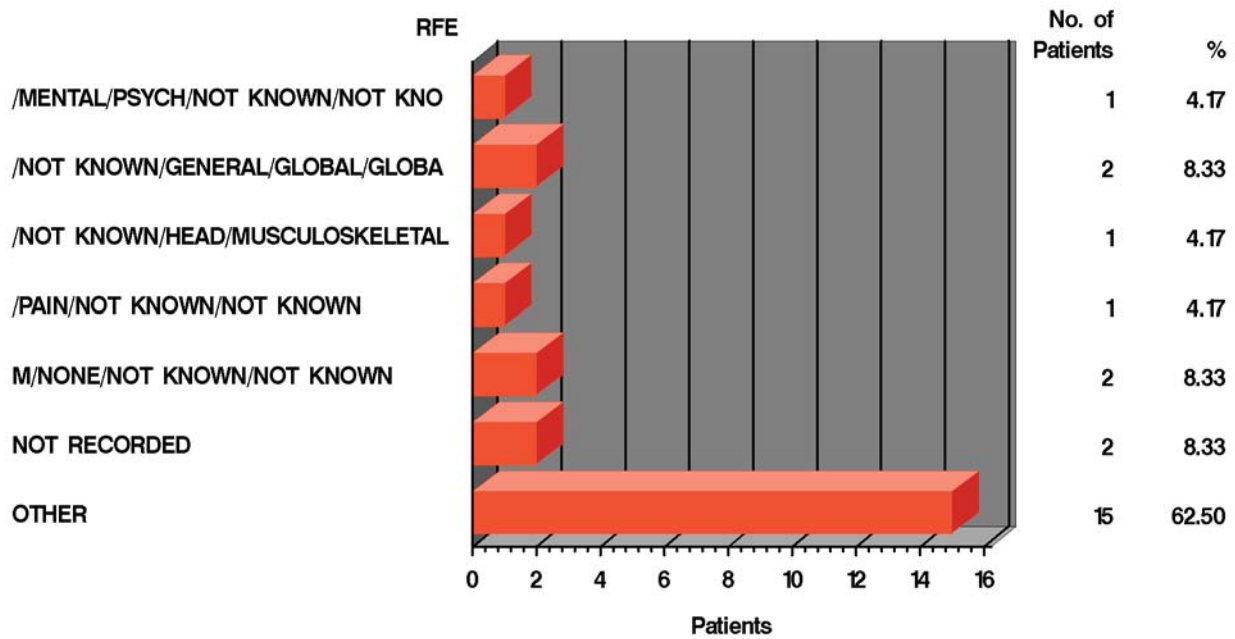
6/1/2010 - 11/30/2010



Toddler Patient Reason for Encounter Information

Toddler Patient Reason for Encounter Information

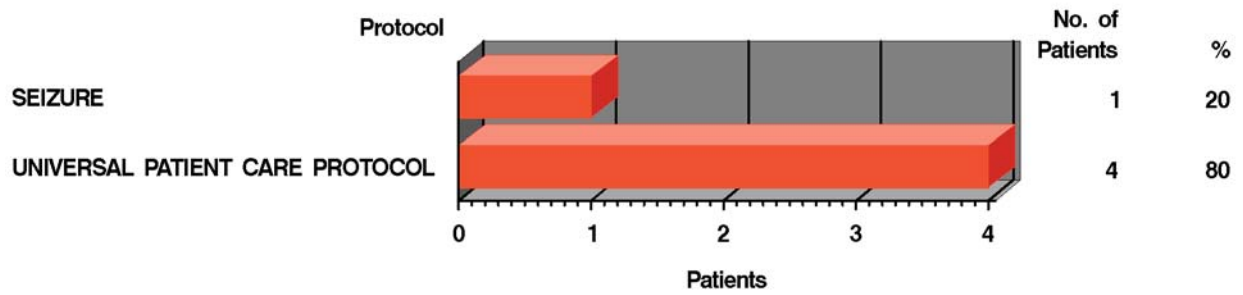
6/1/2010 - 11/30/2010



Toddler Patient Problem by Protocol Used

Toddler Patient Problem by Protocol Used

6/1/2010 - 11/30/2010



Assessment of the Toddler Patient: Vital Signs Compliance

Assessment of the Toddler Patient: Vital Signs Compliance

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Patients	Heart Rate Documented	Respiratory Rate Documented	Pulse Oximetry Documented	Temperature Documented	Responsiveness Documented	Broselow-Luten Color Documented
Not Recorded	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	2	1(50%)	2(100%)	1(50%)	0(0%)	2(100%)	1(50%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	1(100%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	1(100%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	2(100%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	1(100%)
P000000	1	1(100%)	1(100%)	1(100%)	1(100%)	1(100%)	1(100%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	2(100%)
P000000	2	2(100%)	2(100%)	1(50%)	0(0%)	2(100%)	1(50%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
EMS System Average	21	20(95%)	21(100%)	14(67%)	1(5%)	21(100%)	10(48%)
State Average	12,417	10,776(87%)	10,819(87%)	7,612(61%)	2,156(17%)	10,636(86%)	2,535(20%)

Assessment of the Toddler Patient: Exam Compliance

Assessment of the Toddler Patient: Exam Compliance

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Patients	Chest Lungs Assessment	Heart Assessment	Mental Assessment	Neck Assessment	Neurologic Assessment	Skin Assessment
State Average	12,388	4,623(37%)	2,043(16%)	6,389(52%)	2,754(22%)	4,628(37%)	6,064(49%)

Treatment of the Toddler Patient: Respiratory Distress/Failure
Treatment of the Toddler Patient: Respiratory Distress/Failure
SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Oxygen	Beta-Agonist	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	06/05/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/11/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/12/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	06/20/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/20/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/25/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/06/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/01/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/03/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/31/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/11/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/08/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/10/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/15/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/15/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/15/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/14/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	08/11/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Beta-Agonist	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	08/31/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/03/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/17/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/20/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
Total "Yes" Count		0	0	0	0	1	0	6		

Total Patient count: 24

Treatment of the Toddler Patient: Circulatory Distress/Shock

Treatment of the Toddler Patient: Circulatory Distress/Shock

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Oxygen	Glucose Check	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	06/05/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/11/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/12/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	06/20/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/20/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/25/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/06/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/01/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/03/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/31/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/11/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/08/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/10/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/15/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/15/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/15/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/14/2010	No	Yes	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	08/11/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Glucose Check	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	08/31/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/03/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/17/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/20/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
Total "Yes" Count		0	1	0	0	1	0	6		

Total Patient count: 24

Treatment of the Toddler Patient: Pain Control

Treatment of the Toddler Patient: Pain Control

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Protocol Used	Initial Pain Score	NSAID Used	Acetaminophen Used	Narcotics Used	Splinting Used	Arrival ED Pain	Emergency Dept. Disposition	Hospital Disposition
0000000	06/05/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/11/2010	Not Reporting	No	No	No	No	Yes	No	Not Recorded	Not Recorded
0000000	06/12/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/20/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/20/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/25/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/06/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/01/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/03/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/31/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/11/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/08/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/10/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/15/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/15/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/15/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/14/2010	Seizure	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/11/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Protocol Used	Initial Pain Score	NSAID Used	Acetaminophen Used	Narcotics Used	Splinting Used	Arrival ED Pain	Emergency Dept. Disposition	Hospital Disposition
0000000	08/31/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/03/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/17/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/20/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
Total "Yes" Count			0	0	0	0	1	0		

Total Patient count: 24

Section F: Pre-School (3 years to <6 Years of Age)

Purpose:

This section will evaluate, analyze, and provide insight into the care of pre-school age children. Information provided will describe the types of illness and injuries common to the pre-school age group from national, state, and local perspective. The evaluation and clinical care provided to pre-school children will be analyzed focusing on assessment, respiratory distress/failure, circulatory emergencies, and pain control.

Information included in this section is taken from two sources:

- * The Centers for Disease Control and Prevention (CDC)
- * Data provided to PreMIS for the Date Range Selected

Based upon the Urban Influence Codes maintained by the United States Department of Agriculture, the SAMPLE System falls within the **Urban** category.

Definition of Pediatric Patient

For the EMS Acute Pediatric Care Toolkit, an Acute Pediatric Patient is defined as any patient less than 18 years of age cared for by an EMS System. Patients are further subdivided into the following age groups:

- * Infant = < 3 months of age
- * Toddler = 3 months to < 3 years
- * Pre-School = 3 to < 6 years
- * School Age = 6 to < 12 years
- * Adolescent = 12 to < 18 years

Record Selection Information:

- * Data elements used to identify an Acute Pediatric Patient are the following:
 - * The Unit Notified Date is used to select the records for the Date Range
 - * Incident/Patient Disposition (E20_10) = No Treatment Required; Patient Refused Care; Treated and Released; Treated, Transported by EMS; Treated, Transferred Care; Treated, Transported by Law Enforcement; or Treated, Transported by Private Vehicle
 - * **For this section only Pre-School age patients who are at least 3 years of age but less than 6 years of age are analyzed**

CDC Injury Fatality Rates

The Centers for Disease Control and Prevention (CDC) maintains Injury Fatality data on every county in the United States. This table and chart describe the EMS System's injury fatality rates for 8 injury types. The EMS System is also benchmarked with North Carolina and the United States. Fatality rates are defined as the number of deaths per 100,000 population per year of each age group.

- * Fatality Rates are defined as deaths per 100,000 population per year.
- * Injuries shaded in gray indicate high injury rates compared to North Carolina or the United States.

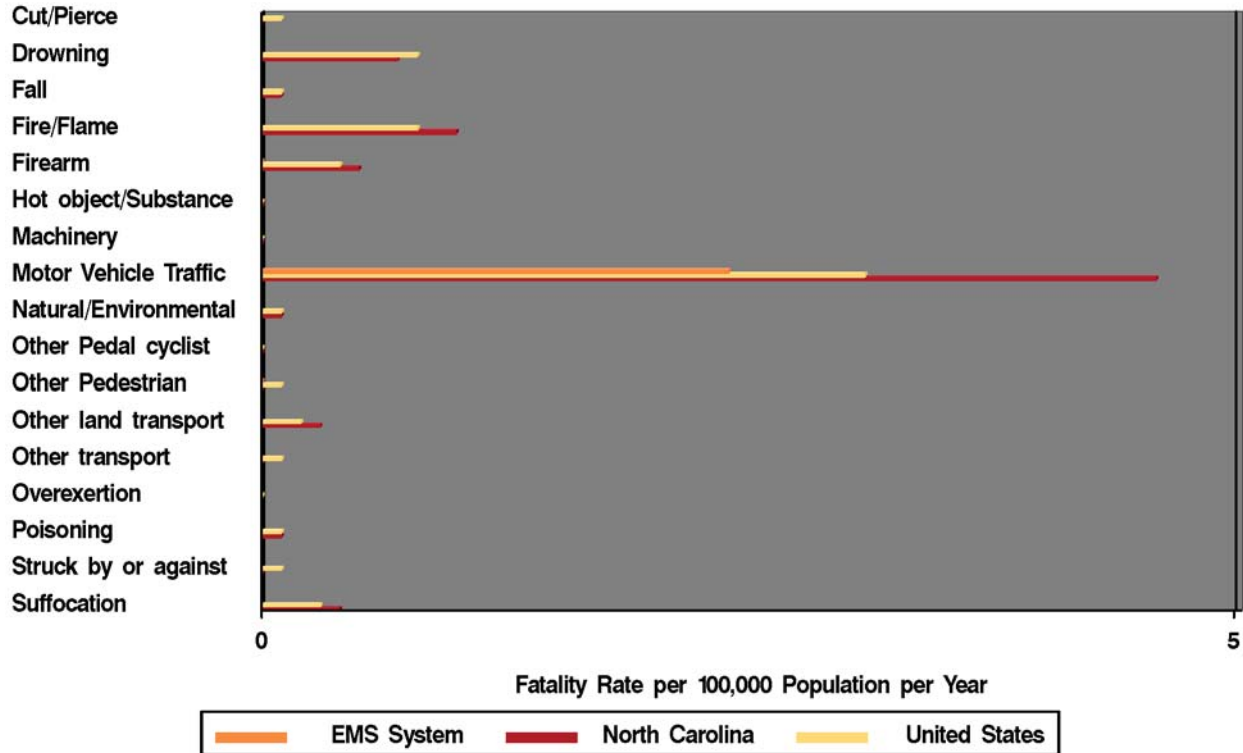
CDC Injury Fatality Rates for Pre-School Children (5 to 9 Years of Age)

(1999-2006)

Injury Type	EMS System Fatality Rate	North Carolina Fatality Rate	US Fatality Rate
Cut/Pierce	NA	0	.1
Drowning	NA	.7	.8
Fall	NA	.1	.1
Fire/Flame	NA	1	.8
Firearm	0	.5	.4
Hot object/Substance	NA	0	0
Machinery	NA	0	0
Motor Vehicle Traffic	2	5	3
Natural/Environmental	NA	.1	.1
Other Pedal cyclist	NA	0	0
Other Pedestrian	0	0	.1
Other land transport	NA	.3	.2
Other transport	NA	0	.1
Overexertion	NA	NA	0
Poisoning	NA	.1	.1
Struck by or against	NA	0	.1
Suffocation	NA	.4	.3

CDC Injury Fatality Rates for Pre-School Children (5 to 9 Years of Age)

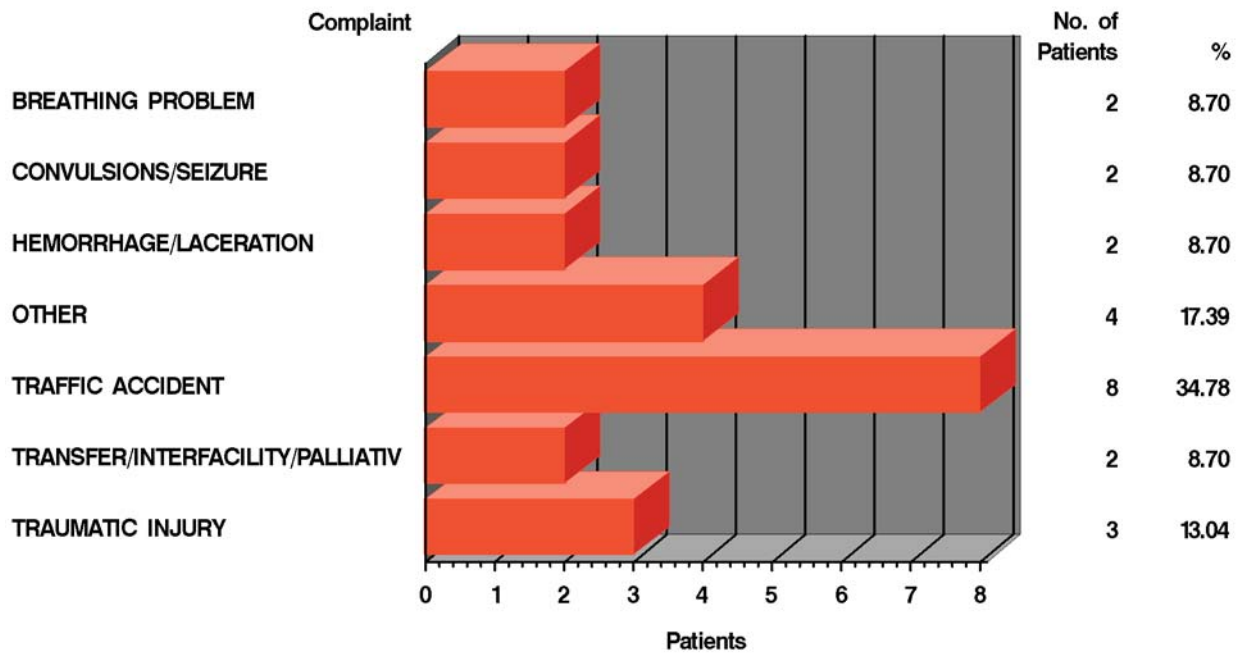
(1999-2006)



Pre-School Patient Problem by Dispatch Complaint

Pre-School Patient Problem by Dispatch Complaint

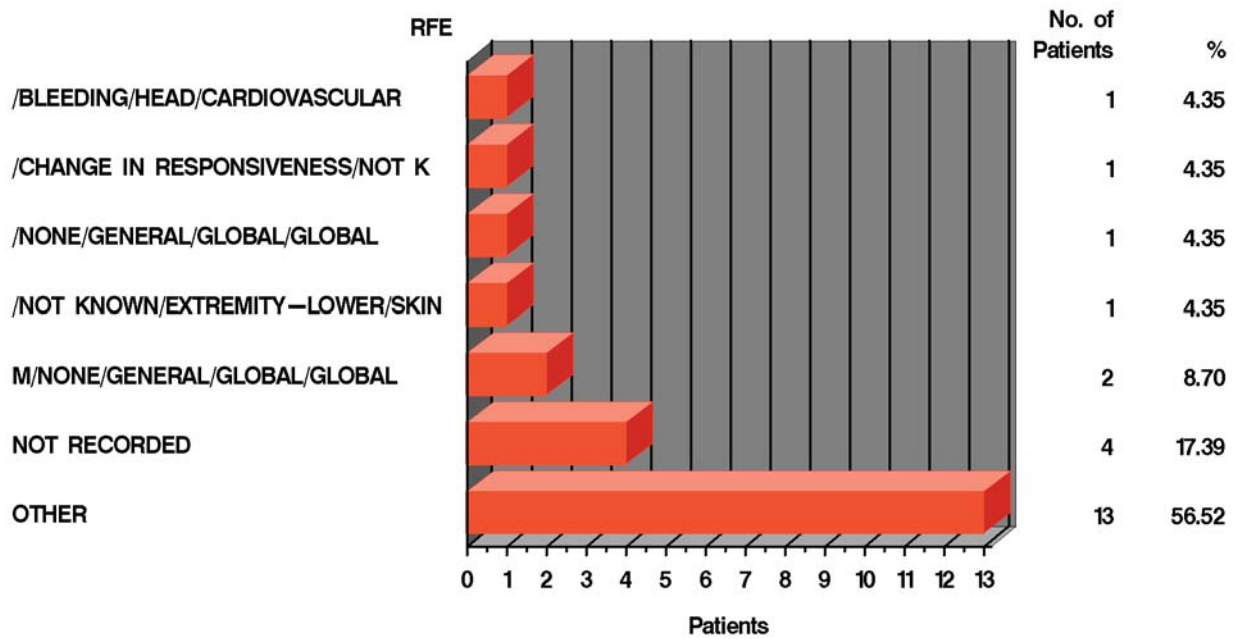
6/1/2010 - 11/30/2010



Pre-School Patient Reason for Encounter Information

Pre-School Patient Reason for Encounter Information

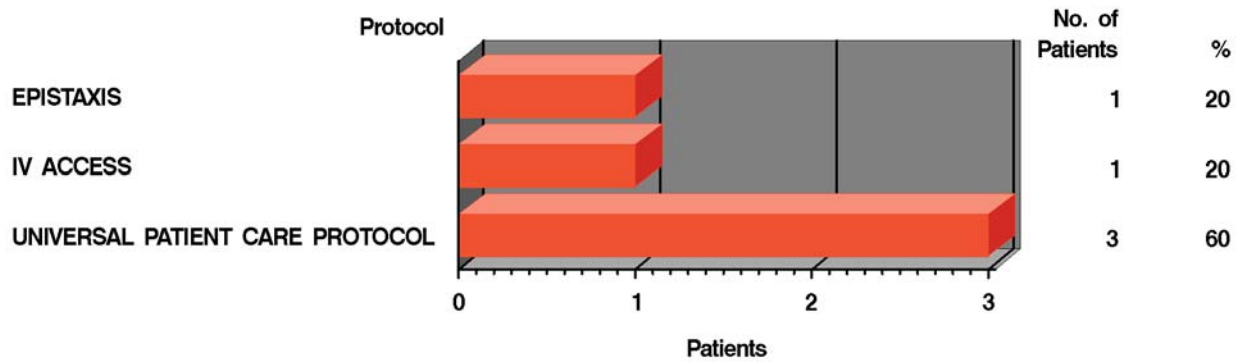
6/1/2010 - 11/30/2010



Pre-School Patient Problem by Protocol Used

Pre-School Patient Problem by Protocol Used

6/1/2010 - 11/30/2010



Assessment of the Pre-School Patient: Vital Signs Compliance

Assessment of the Pre-School Patient: Vital Signs Compliance

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Patients	Heart Rate Documented	Respiratory Rate Documented	Pulse Oximetry Documented	Temperature Documented	Responsiveness Documented	Broselow-Luten Color Documented
P000000	2	1(50%)	1(50%)	1(50%)	0(0%)	2(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	1	0(0%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	2	0(0%)	2(100%)	0(0%)	0(0%)	2(100%)	0(0%)
P000000	3	2(67%)	3(100%)	1(33%)	0(0%)	3(100%)	3(100%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	1(100%)
P000000	2	2(100%)	2(100%)	0(0%)	0(0%)	2(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
EMS System Average	20	15(75%)	19(95%)	10(50%)	0(0%)	20(100%)	4(20%)
State Average	7,142	6,382(89%)	6,393(90%)	4,908(69%)	970(14%)	6,199(87%)	1,293(18%)

Assessment of the Pre-School Patient: Exam Compliance

Assessment of the Pre-School Patient: Exam Compliance

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Patients	Chest Lungs Assessment	Heart Assessment	Mental Assessment	Neck Assessment	Neurologic Assessment	Skin Assessment
State Average	7,156	2,767(39%)	1,178(16%)	3,888(54%)	1,708(24%)	2,841(40%)	3,471(49%)

Treatment of the Pre-School Patient: Respiratory Distress/Failure

Treatment of the Pre-School Patient: Respiratory Distress/Failure

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Oxygen	Beta-Agonist	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	06/15/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/01/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/05/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	06/06/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/07/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/13/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/14/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/22/2010	No	No	No	Yes	Yes	No	No	Not Recorded	Not Recorded
0000000	07/07/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	07/09/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/23/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/07/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/08/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/08/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/15/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	08/10/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/16/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/19/2010	No	Yes	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/01/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	09/04/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Beta-Agonist	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	10/11/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/17/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/21/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
Total "Yes" Count		0	1	0	1	5	0	2		

Total Patient count: 23

Treatment of the Pre-School Patient: Circulatory Distress/Shock

Treatment of the Pre-School Patient: Circulatory Distress/Shock

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Oxygen	Glucose Check	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	06/15/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/01/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/05/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	06/06/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/07/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/13/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/14/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/22/2010	No	No	No	Yes	Yes	No	No	Not Recorded	Not Recorded
0000000	07/07/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	07/09/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/23/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/07/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/08/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/08/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/15/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	08/10/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/16/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/19/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/01/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	09/04/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Glucose Check	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	10/11/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/17/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/21/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
		0	0	0	1	5	0	2		

Total Patient count: 23

Treatment of the Pre-School Patient: Pain Control

Treatment of the Pre-School Patient: Pain Control

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Protocol Used	Initial Pain Score	NSAID Used	Acetaminophen Used	Narcotics Used	Splinting Used	Arrival ED Pain	Emergency Dept. Disposition	Hospital Disposition
0000000	06/15/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/01/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/05/2010	Iv Access	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/06/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/07/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/13/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/14/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/22/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/07/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/09/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/23/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/07/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/08/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/08/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/15/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/10/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/16/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/19/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/01/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/04/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Protocol Used	Initial Pain Score	NSAID Used	Acetaminophen Used	Narcotics Used	Splinting Used	Arrival ED Pain	Emergency Dept. Disposition	Hospital Disposition
0000000	10/11/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/17/2010	Epistaxis	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/21/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
Total "Yes" Count			0	0	0	0	0	0		

Total Patient count: 23

Section G: School Age (6 Years to <12 Years of Age)

Purpose:

This section will evaluate, analyze, and provide insight into the care of school age children. Information provided will describe the types of illness and injuries common to the school age group from national, state, and local perspective. The evaluation and clinical care provided to school children will be analyzed focusing on assessment, respiratory distress/failure, circulatory emergencies, and pain control.

Information included in this section is taken from two sources:

- * The Centers for Disease Control and Prevention (CDC)
- * Data provided to PreMIS for the Date Range Selected

Based upon the Urban Influence Codes maintained by the United States Department of Agriculture, the SAMPLE System falls within the **Urban** category.

Definition of Pediatric Patient

For the EMS Acute Pediatric Care Toolkit, an Acute Pediatric Patient is defined as any patient less than 18 years of age cared for by an EMS System. Patients are further subdivided into the following age groups:

- * Infant = < 3 months of age
- * Toddler = 3 months to < 3 years
- * Pre-School = 3 to < 6 years
- * School Age = 6 to < 12 years
- * Adolescent = 12 to < 18 years

Record Selection Information:

- * Data elements used to identify an Acute Pediatric Patient are the following:
 - * The Unit Notified Date is used to select the records for the Date Range
 - * Incident/Patient Disposition (E20_10) = No Treatment Required; Patient Refused Care; Treated and Released; Treated, Transported by EMS; Treated, Transferred Care; Treated, Transported by Law Enforcement; or Treated, Transported by Private Vehicle
 - * **For this section only School age patients who are at least 6 years of age but less than 12 years of age are analyzed**

CDC Injury Fatality Rates

The Centers for Disease Control and Prevention (CDC) maintains Injury Fatality data on every county in the United States. This table and chart describe the EMS System's injury fatality rates for 8 injury types. The EMS System is also benchmarked with North Carolina and the United States. Fatality rates are defined as the number of deaths per 100,000 population per year of each age group.

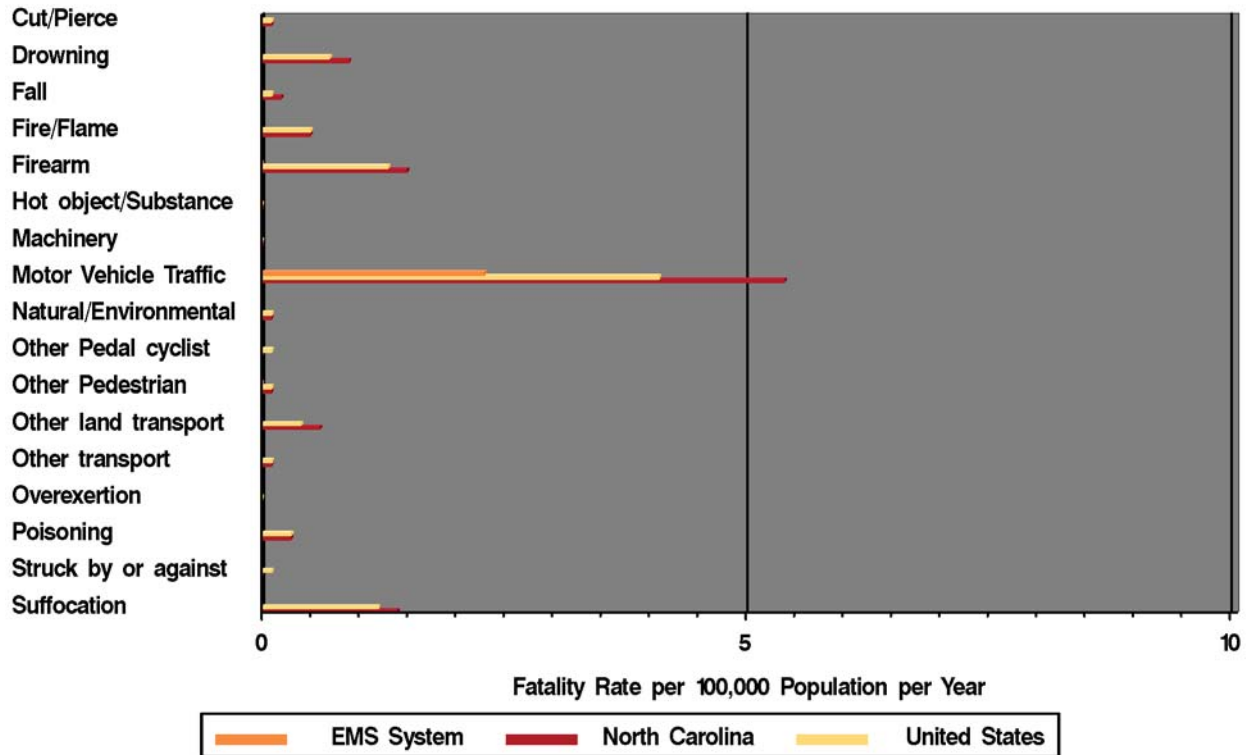
- * Fatality Rates are defined as deaths per 100,000 population per year.
- * Injuries shaded in gray indicate high injury rates compared to North Carolina or the United States.

CDC Injury Fatality Rates for School Age Children (10 to 14 Years of Age)

(1999-2006)

Injury Type	EMS System Fatality Rate	North Carolina Fatality Rate	US Fatality Rate
Cut/Pierce	NA	.1	.1
Drowning	NA	.9	.7
Fall	NA	.2	.1
Fire/Flame	NA	.5	.5
Firearm	0	2	1
Hot object/Substance	NA	0	0
Machinery	NA	0	0
Motor Vehicle Traffic	2	5	4
Natural/Environmental	NA	.1	.1
Other Pedal cyclist	NA	0	.1
Other Pedestrian	0	.1	.1
Other land transport	NA	.6	.4
Other transport	NA	.1	.1
Overexertion	NA	NA	0
Poisoning	NA	.3	.3
Struck by or against	NA	0	.1
Suffocation	NA	1	1

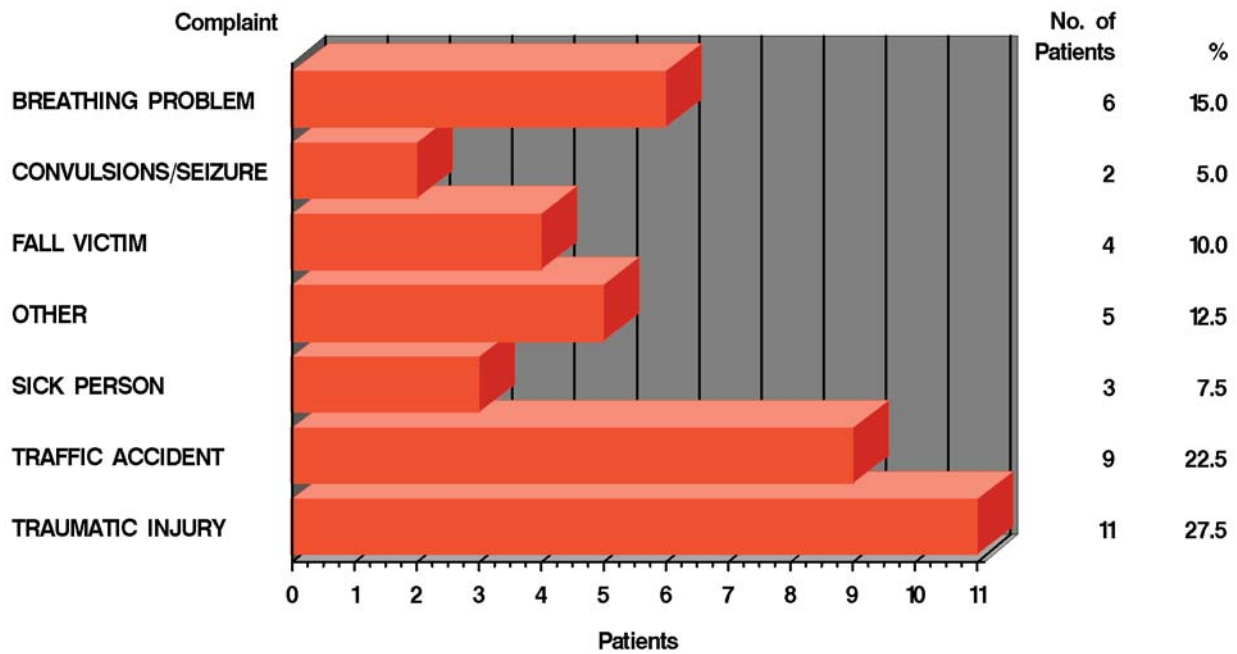
CDC Injury Fatality Rates for School Age Children (10 to 14 Years of Age)
(1999-2006)



School Age Patient Problem by Dispatch Complaint

School Age Patient Problem by Dispatch Complaint

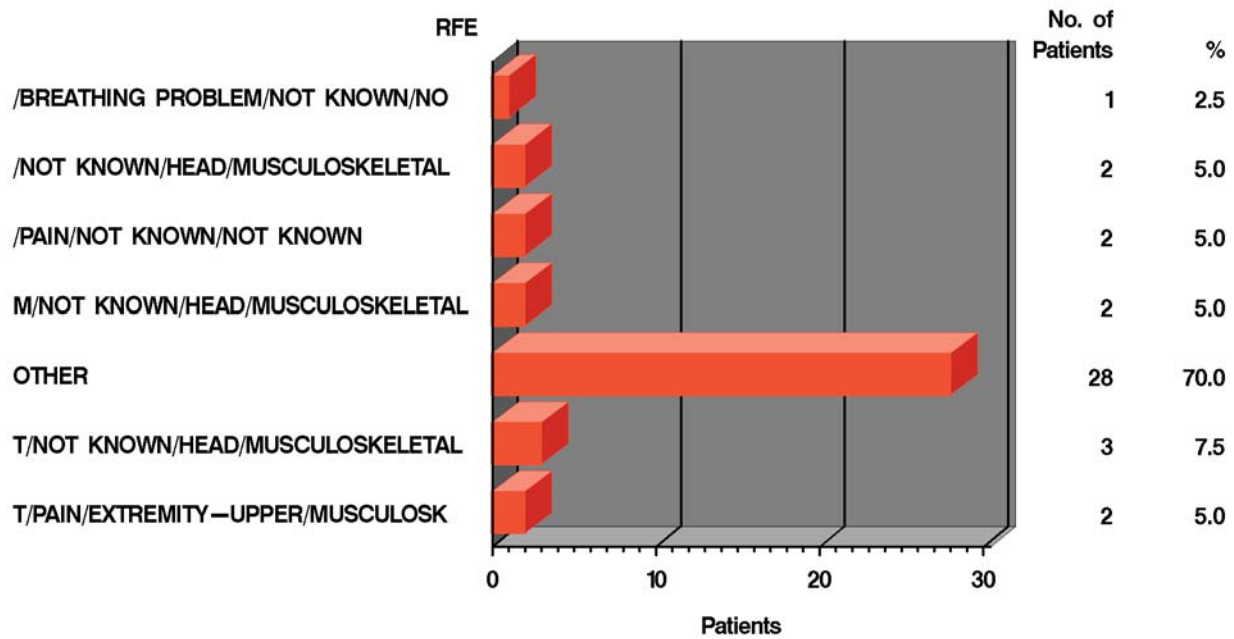
6/1/2010 - 11/30/2010



School Age Patient Reason for Encounter Information

School Age Patient Reason for Encounter Information

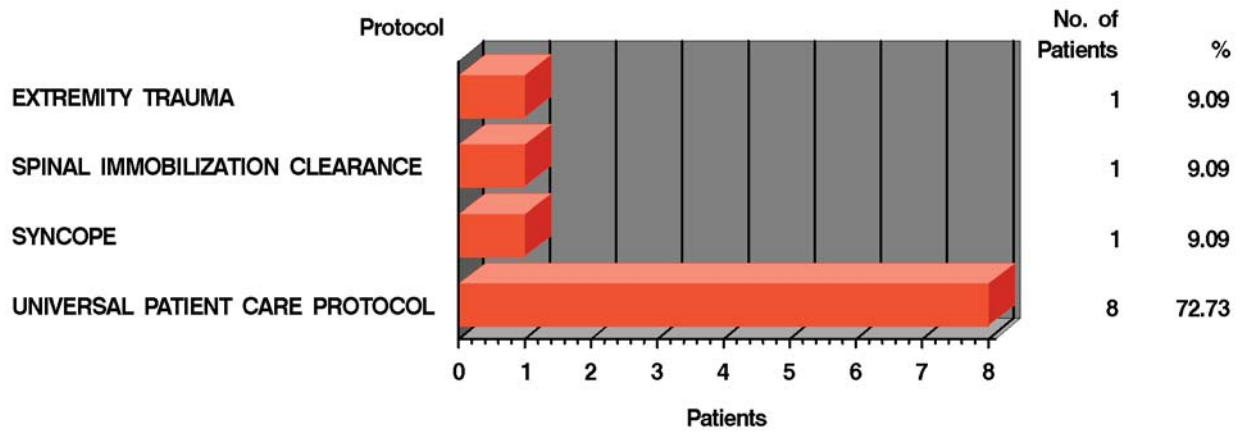
6/1/2010 - 11/30/2010



School Age Patient Problem by Protocol Used

School Age Patient Problem by Protocol Used

6/1/2010 - 11/30/2010



Assessment of the School Age Patient: Vital Signs Compliance

Assessment of the School Age Patient: Vital Signs Compliance

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Patients	Heart Rate Documented	Respiratory Rate Documented	Pulse Oximetry Documented	Temperature Documented	Responsiveness Documented	Broselow-Luten Color Documented
Not Recorded	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	2	1(50%)	2(100%)	1(50%)	0(0%)	2(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	2	2(100%)	2(100%)	0(0%)	0(0%)	2(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	1(100%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	1(100%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	3	3(100%)	3(100%)	3(100%)	0(0%)	3(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	2	1(50%)	2(100%)	1(50%)	0(0%)	2(100%)	0(0%)

Personnel ID	Patients	Heart Rate Documented	Respiratory Rate Documented	Pulse Oximetry Documented	Temperature Documented	Responsiveness Documented	Broselow-Luten Color Documented
P000000	3	3(100%)	3(100%)	2(67%)	0(0%)	3(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	1(100%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	0(0%)	0(0%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	2	2(100%)	2(100%)	1(50%)	0(0%)	2(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	2(100%)
EMS System Average	38	35(92%)	37(97%)	29(76%)	1(3%)	38(100%)	4(11%)
State Average	12,002	10,906(91%)	10,888(91%)	8,556(71%)	987(8%)	10,349(86%)	1,295(11%)

Assessment of the School Age Patient: Exam Compliance

Assessment of the School Age Patient: Exam Compliance

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Patients	Chest Lungs Assessment	Heart Assessment	Mental Assessment	Neck Assessment	Neurologic Assessment	Skin Assessment
P000000	1	1(100%)	1(100%)	1(100%)	1(100%)	1(100%)	1(100%)
EMS System Average	1	1(100%)	1(100%)	1(100%)	1(100%)	1(100%)	1(100%)
State Average	11,809	4,517(38%)	1,914(16%)	6,749(57%)	2,870(24%)	4,889(41%)	5,684(48%)

Treatment of the School Age Patient: Respiratory Distress/Failure

Treatment of the School Age Patient: Respiratory Distress/Failure

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Oxygen	Beta-Agonist	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	06/03/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/05/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/10/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/19/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/20/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/17/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/22/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/25/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	06/27/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	07/03/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	07/12/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/14/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	07/15/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	07/23/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/03/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	09/12/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/12/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/09/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/08/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/10/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Beta-Agonist	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	08/10/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/17/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/13/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/25/2010	No	Yes	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/21/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/21/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/27/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/31/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/01/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/01/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/02/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	09/02/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/02/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	09/06/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/23/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	11/07/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/20/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	09/25/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	09/29/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	10/02/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
Total "Yes" Count		0	1	0	0	10	0	13		

Total Patient count: 40

Treatment of the School Age Patient: Circulatory Distress/Shock

Treatment of the School Age Patient: Circulatory Distress/Shock

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Oxygen	Glucose Check	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	06/03/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/05/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/10/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/19/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/20/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/17/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/22/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/25/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	06/27/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	07/03/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	07/12/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/14/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	07/15/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	07/23/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/03/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	09/12/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/12/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/09/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/08/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/10/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Glucose Check	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	08/10/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/17/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/13/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/25/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/21/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/21/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/27/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/31/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/01/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/01/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/02/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	09/02/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/02/2010	No	Yes	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	09/06/2010	No	Yes	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/23/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	11/07/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/20/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	09/25/2010	No	Yes	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	09/29/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	10/02/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
Total "Yes" Count		0	3	0	0	10	0	13		

Total Patient count: 40

Treatment of the School Age Patient: Pain Control

Treatment of the School Age Patient: Pain Control

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Protocol Used	Initial Pain Score	NSAID Used	Acetaminophen Used	Narcotics Used	Splinting Used	Arrival ED Pain	Emergency Dept. Disposition	Hospital Disposition
000000	06/03/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/05/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/10/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/19/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/20/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/17/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/22/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/25/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/27/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/03/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/12/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/14/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/15/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/23/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	08/03/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	09/12/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	09/12/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	08/09/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	08/08/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	08/10/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Protocol Used	Initial Pain Score	NSAID Used	Acetaminophen Used	Narcotics Used	Splinting Used	Arrival ED Pain	Emergency Dept. Disposition	Hospital Disposition
0000000	08/10/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/17/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/13/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/25/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/21/2010	Universal Patient Ca	Yes	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/21/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/27/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/31/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/01/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/01/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/02/2010	Not Reporting	No	No	No	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/02/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/02/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/06/2010	Universal Patient Ca	Yes	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/23/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	11/07/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/20/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/25/2010	Spinal Immobilizatio	Yes	No	No	No	Yes	Yes	Not Recorded	Not Recorded
0000000	09/29/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	10/02/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
Total "Yes" Count			3	0	0	1	2	1		

Total Patient count: 40

Section H: Adolescent (12 Years to <18 Years of Age)

Purpose:

This section will evaluate, analyze, and provide insight into the care of adolescents. Information provided will describe the types of illness and injuries common to the adolescent age group from national, state, and local perspective. The evaluation and clinical care provided to adolescents will be analyzed focusing on assessment, respiratory distress/failure, circulatory emergencies, and pain control.

Information included in this section is taken from two sources:

- * The Centers for Disease Control and Prevention (CDC)
- * Data provided to PreMIS for the Date Range Selected

Based upon the Urban Influence Codes maintained by the United States Department of Agriculture, the SAMPLE System falls within the **Urban** category.

Definition of Pediatric Patient

For the EMS Acute Pediatric Care Toolkit, an Acute Pediatric Patient is defined as any patient less than 18 years of age cared for by an EMS System. Patients are further subdivided into the following age groups:

- * Infant = < 3 months of age
- * Toddler = 3 months to < 3 years
- * Pre-School = 3 to < 6 years
- * School Age = 6 to < 12 years
- * Adolescent = 12 to < 18 years

Record Selection Information:

- * Data elements used to identify an Acute Pediatric Patient are the following:
 - * The Unit Notified Date is used to select the records for the Date Range
 - * Incident/Patient Disposition (E20_10) = No Treatment Required; Patient Refused Care; Treated and Released; Treated, Transported by EMS; Treated, Transferred Care; Treated, Transported by Law Enforcement; or Treated, Transported by Private Vehicle
 - * **For this section only Adolescent age patients who are at least 12 years of age but less than 18 years of age are analyzed**

CDC Injury Fatality Rates

The Centers for Disease Control and Prevention (CDC) maintains Injury Fatality data on every county in the United States. This table and chart describe the EMS System's injury fatality rates for 8 injury types. The EMS System is also benchmarked with North Carolina and the United States. Fatality rates are defined as the number of deaths per 100,000 population per year of each age group.

- * Fatality Rates are defined as deaths per 100,000 population per year.
- * Injuries shaded in gray indicate high injury rates compared to North Carolina or the United States.

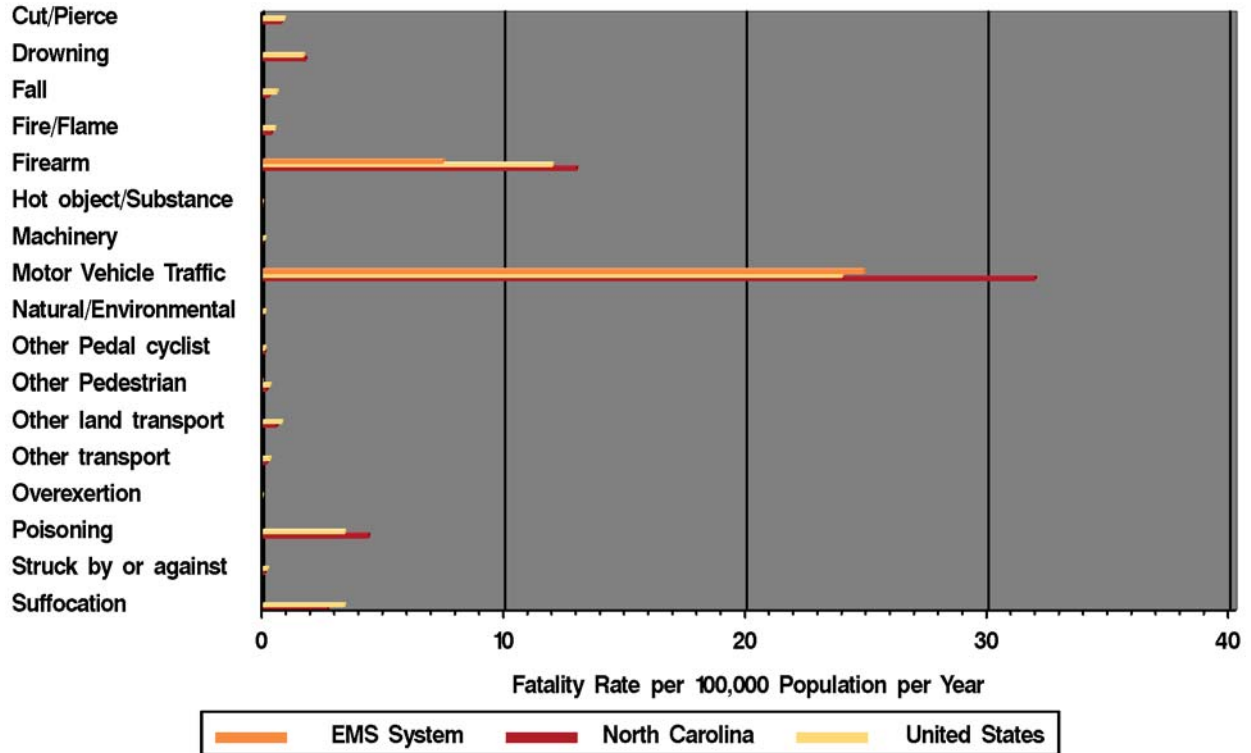
CDC Injury Fatality Rates for Adolescents (15 to 19 Years of Age)

(1999-2006)

Injury Type	EMS System Fatality Rate	North Carolina Fatality Rate	US Fatality Rate
Cut/Pierce	NA	.8	.9
Drowning	NA	2	2
Fall	NA	.3	.6
Fire/Flame	NA	.4	.5
Firearm	8	13	12
Hot object/Substance	NA	0	0
Machinery	NA	0	.1
Motor Vehicle Traffic	25	32	24
Natural/Environmental	NA	0	.1
Other Pedal cyclist	NA	.1	.1
Other Pedestrian	0	.2	.3
Other land transport	NA	.6	.8
Other transport	NA	.2	.3
Overexertion	NA	NA	0
Poisoning	NA	4	3
Struck by or against	NA	.1	.2
Suffocation	NA	3	3

CDC Injury Fatality Rates for Adolescents (15 to 19 Years of Age)

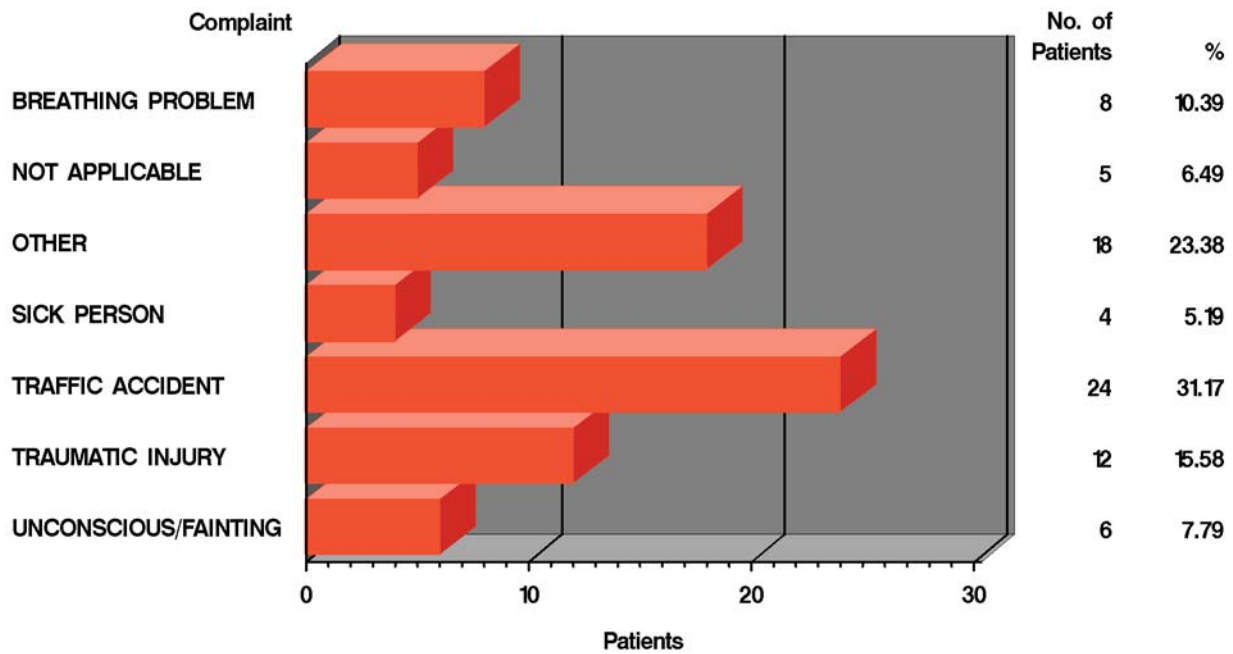
(1999-2006)



Adolescent Patient Problem by Dispatch Complaint

Adolescent Patient Problem by Dispatch Complaint

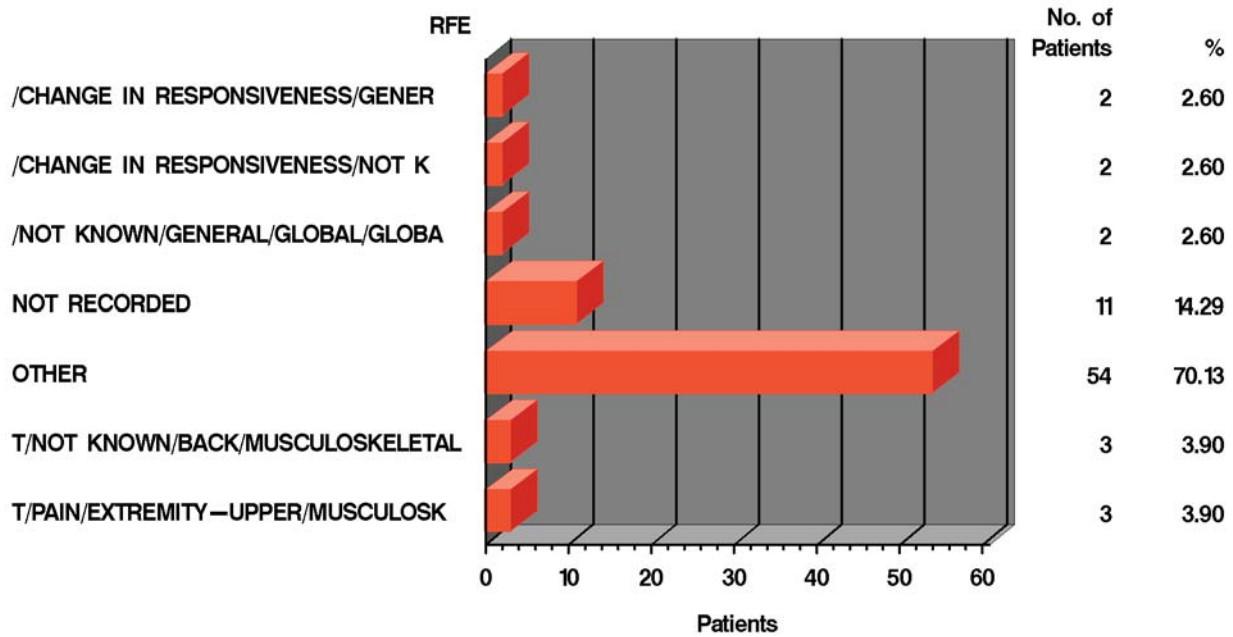
6/1/2010 - 11/30/2010



Adolescent Patient Reason for Encounter Information

Adolescent Patient Reason for Encounter Information

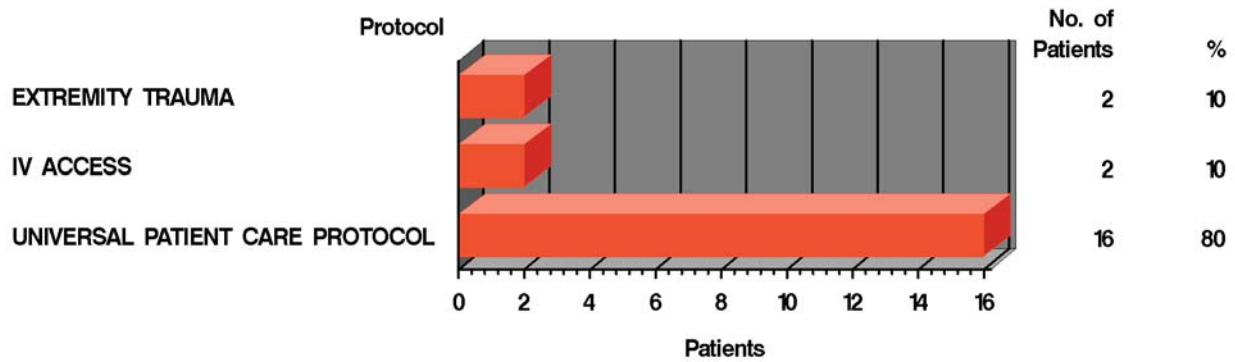
6/1/2010 - 11/30/2010



Adolescent Patient Problem by Protocol Used

Adolescent Patient Problem by Protocol Used

6/1/2010 - 11/30/2010



Assessment of the Adolescent Patient: Vital Signs Compliance

Assessment of the Adolescent Patient: Vital Signs Compliance

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Patients	Heart Rate Documented	Respiratory Rate Documented	Pulse Oximetry Documented	Temperature Documented	Responsiveness Documented	Broselow-Luten Color Documented
Not Recorded	5	5(100%)	5(100%)	5(100%)	1(20%)	5(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	2	1(50%)	1(50%)	1(50%)	0(0%)	2(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	3	3(100%)	3(100%)	3(100%)	0(0%)	3(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	4	4(100%)	4(100%)	4(100%)	0(0%)	4(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	2	0(0%)	2(100%)	0(0%)	0(0%)	2(100%)	0(0%)
P000000	3	1(33%)	1(33%)	1(33%)	0(0%)	3(100%)	0(0%)
P000000	3	3(100%)	3(100%)	3(100%)	0(0%)	3(100%)	0(0%)
P000000	3	2(67%)	2(67%)	2(67%)	0(0%)	3(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)

Personnel ID	Patients	Heart Rate Documented	Respiratory Rate Documented	Pulse Oximetry Documented	Temperature Documented	Responsiveness Documented	Broselow-Luten Color Documented
P000000	1	1(100%)	0(0%)	1(100%)	0(0%)	0(0%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	0(0%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	2	2(100%)	2(100%)	1(50%)	0(0%)	2(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	0(0%)	0(0%)	1(100%)	0(0%)
P000000	1	1(100%)	1(100%)	1(100%)	0(0%)	1(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	3	3(100%)	3(100%)	2(67%)	0(0%)	3(100%)	0(0%)
P000000	3	3(100%)	3(100%)	2(67%)	0(0%)	3(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
P000000	7	4(57%)	7(100%)	4(57%)	0(0%)	7(100%)	0(0%)
P000000	2	2(100%)	2(100%)	2(100%)	0(0%)	2(100%)	0(0%)
EMS System Average	71	62(87%)	65(92%)	55(77%)	1(1%)	70(99%)	0(0%)
State Average	26,107	24,239(93%)	24,178(93%)	19,193(74%)	1,364(5%)	22,619(87%)	242(1%)

Assessment of the Adolescent Patient: Exam Compliance

Assessment of the Adolescent Patient: Exam Compliance

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Patients	Chest Lungs Assessment	Heart Assessment	Mental Assessment	Neck Assessment	Neurologic Assessment	Skin Assessment
P000000	1	1(100%)	1(100%)	1(100%)	1(100%)	1(100%)	1(100%)
P000000	2	2(100%)	2(100%)	2(100%)	2(100%)	2(100%)	2(100%)
EMS System Average	3	3(100%)	3(100%)	3(100%)	3(100%)	3(100%)	3(100%)
State Average	25,504	9,925(39%)	4,059(16%)	15,036(59%)	6,454(25%)	10,778(42%)	12,605(49%)

Treatment of the Adolescent Patient: Respiratory Distress/Failure

Treatment of the Adolescent Patient: Respiratory Distress/Failure

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Oxygen	Beta-Agonist	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	06/07/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/03/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/04/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/10/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/05/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	06/06/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	06/09/2010	No	No	No	Yes	Yes	No	No	Not Recorded	Not Recorded
0000000	06/11/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/17/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/19/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/16/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	06/19/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	06/20/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	06/25/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	06/25/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/25/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/22/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/03/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	07/02/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	07/01/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Beta-Agonist	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	08/06/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/08/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/06/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	07/08/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/19/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/16/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/19/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	07/20/2010	No	Yes	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	07/17/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/18/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	07/24/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	07/26/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/27/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/01/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/29/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	07/30/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	08/04/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	07/29/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	07/30/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	08/10/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/05/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/15/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/10/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/12/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Beta-Agonist	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	08/17/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/17/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/17/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/26/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/27/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/29/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/20/2010	No	Yes	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/20/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/17/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/30/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/30/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/30/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/04/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/04/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/10/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/13/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/13/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/15/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/26/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/13/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/20/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/21/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Beta-Agonist	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	09/25/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/21/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	09/26/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/27/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/26/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
Total "Yes" Count		0	2	0	1	25	0	20		

Total Patient count: 77

Treatment of the Adolescent Patient: Circulatory Distress/Shock

Treatment of the Adolescent Patient: Circulatory Distress/Shock

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Oxygen	Glucose Check	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	06/07/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/03/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/04/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/10/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/05/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	06/06/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	06/09/2010	No	No	No	Yes	Yes	No	No	Not Recorded	Not Recorded
0000000	06/11/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/17/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/19/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	06/16/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	06/19/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	06/20/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	06/25/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	06/25/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/25/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	06/22/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/03/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	07/02/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	07/01/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Glucose Check	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	08/06/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/08/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/06/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	07/08/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/19/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/16/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/19/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	07/20/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	07/17/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/18/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	07/24/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	07/26/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/27/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/01/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/29/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	07/30/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	08/04/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	07/29/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	07/30/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	08/10/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/05/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/15/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/10/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/12/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Glucose Check	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	08/17/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/17/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/17/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/26/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/27/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/28/2010	No	Yes	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/29/2010	No	Yes	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/20/2010	No	No	No	No	Yes	No	Yes	Not Recorded	Not Recorded
0000000	08/20/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/17/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	08/30/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/30/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	08/30/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/04/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/04/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/10/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/13/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/13/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/15/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/26/2010	No	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/13/2010	No	No	No	No	No	No	Yes	Not Recorded	Not Recorded
0000000	09/20/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/21/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Oxygen	Glucose Check	Bag-Valve Mask	Intubation	IV Access	IO Access	EMS Improvement	Emergency Dept. Disposition	Hospital Disposition
0000000	09/25/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/21/2010	No	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	09/26/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/27/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
0000000	09/26/2010	No	No	No	No	No	No	Not Recorded	Not Recorded	Not Recorded
Total "Yes" Count		0	2	0	1	25	0	20		

Total Patient count: 77

Treatment of the Adolescent Patient: Pain Control

Treatment of the Adolescent Patient: Pain Control

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	Protocol Used	Initial Pain Score	NSAID Used	Acetaminophen Used	Narcotics Used	Splinting Used	Arrival ED Pain	Emergency Dept. Disposition	Hospital Disposition
000000	06/07/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/03/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/04/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/10/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/05/2010	Not Reporting	No	No	No	No	Yes	No	Not Recorded	Not Recorded
000000	06/06/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/09/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/11/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/17/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/19/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/16/2010	Universal Patient Ca	Yes	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/19/2010	Not Reporting	No	No	No	Yes	Yes	No	Not Recorded	Not Recorded
000000	06/20/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/25/2010	Not Reporting	No	No	No	No	Yes	No	Not Recorded	Not Recorded
000000	06/25/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/25/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	06/22/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/03/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/02/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
000000	07/01/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Protocol Used	Initial Pain Score	NSAID Used	Acetaminophen Used	Narcotics Used	Splinting Used	Arrival ED Pain	Emergency Dept. Disposition	Hospital Disposition
0000000	08/06/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/08/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/06/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/08/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/19/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/16/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/19/2010	Not Reporting	No	No	No	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/20/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/17/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/18/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/24/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/26/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/27/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/01/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/29/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/30/2010	Not Reporting	No	No	No	No	Yes	No	Not Recorded	Not Recorded
0000000	08/04/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/29/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	07/30/2010	Not Reporting	No	No	No	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/10/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/05/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/15/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/10/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/12/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Protocol Used	Initial Pain Score	NSAID Used	Acetaminophen Used	Narcotics Used	Splinting Used	Arrival ED Pain	Emergency Dept. Disposition	Hospital Disposition
0000000	08/17/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/17/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/17/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/26/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/27/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	Iv Access	Yes	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	Universal Patient Ca	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/29/2010	Universal Patient Ca	Yes	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/20/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/20/2010	Not Reporting	No	No	No	Yes	No	No	Not Recorded	Not Recorded
0000000	09/17/2010	Universal Patient Ca	Yes	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/28/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/30/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/30/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	08/30/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/04/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/04/2010	Extremity Trauma	Yes	No	No	No	Yes	Yes	Not Recorded	Not Recorded
0000000	09/10/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/13/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/13/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/15/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/26/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/13/2010	Universal Patient Ca	Yes	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/20/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/21/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded

Patient PCR Number	Date of Care	Protocol Used	Initial Pain Score	NSAID Used	Acetaminophen Used	Narcotics Used	Splinting Used	Arrival ED Pain	Emergency Dept. Disposition	Hospital Disposition
0000000	09/25/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/21/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/26/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/27/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
0000000	09/26/2010	Not Reporting	No	No	No	No	No	No	Not Recorded	Not Recorded
Total "Yes" Count			6	0	0	4	7	1		

Total Patient count: 77

Section I: EMS System and Special Healthcare Needs

Purpose:

This section will evaluate and analyze the EMS System's involvement and participation in injury prevention and community educational initiatives related to the pediatric population. Information provided for this section was collected when the EMS Acute Pediatric Care Toolkit was generated.

EMS System Ability to Track Children With Special Healthcare Needs

The Emergency Medical Services for Children Program promotes an initiative to identify and track children (or adults) with Special Healthcare Needs. The form used to collect this information is sometimes referred to as the Emergency Information Form (EIF) for Children with Special Healthcare Needs. It may also be referred to as KidBase.

The EIF allows EMS to collect and store information on children (or adults) living within an EMS System's community that require a special device, medication, or other unusual treatment with any interaction with the healthcare system. Information stored within EIF can be used to plan and anticipate these needs that may fall outside of normal expected EMS care.

Based on information provided at the time this EMS Toolkit was generated, this EMS System describes their use of the Emergency Information Form for Children with Special Healthcare Needs as follows:

Active Special Healthcare Needs Tracking Program in Place: No

The Inclusion of Children's Needs in the EMS System's Disaster Plan

It is important for each EMS System to develop, practice, and maintain a local disaster plan which can be called upon in the event of a natural disaster or act of terrorism. Often these plans are developed without the consideration for the pediatric population. General and medical care needs for children are often different than those for adults. Disaster Plans should address medication, equipment, personnel, and other supply needs required to adequately care for the pediatric population within the EMS System's community.

Based on information provided at the time this EMS Toolkit was generated, this EMS System has developed and implemented an EMS Disaster Plan which anticipates and includes the needs of children.

EMS System Disaster Plan Includes Specific Pediatric Content: No

The Ability of an EMS System to Adequately Secure a Pediatric Patient During an EMS Transport

Every child under 40 pounds which is transported by EMS should be properly restrained within the ambulance. A proper restraint can be defined as the child being fully immobilized and secured on a backboard and stretcher or in an approved child safety seat.

Based on information provided at the time this EMS Toolkit was generated, every EMS transport vehicle within this EMS System is currently equipped with an approved child safety seat/restraint for all patients less than 40 pounds.

All EMS Transport Vehicles in the EMS System are Equipped with Child Safety Seats/Restraints: No