

EMS System: **SAMPLE**

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The EMS Acute Cardiac Care Toolkit is a comprehensive analysis of an EMS System's Acute Cardiac and ST Elevation Myocardial Infarction (STEMI) 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 similar EMS Systems and with the entire state.

This Toolkit is divided into many sections representing a different component of an EMS System, its personnel, and patient care. With 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 Acute Cardiac Care improvement. After an intervention has been implemented within an EMS System and 3 to 6 months of EMS data (depending on the incidence of chest pain) has been collected within PreMIS, the EMS System should generate the EMS Acute Cardiac 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 Cardiac 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 Cardiac Care Overview

Purpose:

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

Definition of Acute Cardiac Patient

For the EMS Acute Cardiac Care Toolkit, an Acute Cardiac Patient is defined as any patient presenting with chest pain which on evaluation could represent an ST Elevation Myocardial Infarction (STEMI) or Acute Cardiac Syndrome (ACS). When possible, STEMI patients will be described separately from the remaining ACS patients.

Record Selection Information:

- * An Acute Cardiac Patient is also considered an Acute Cardiac Syndrome Patient (ACS). All records (E01_01 Patient Care Report Number) identified with the following criteria are considered ACS patients:
 - * 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 Cardiac Patient**" is any patient whose age is greater than 35 years of age
 - * An "**Acute Cardiac Patient**" is defined by the use of the following protocol (E17_01):
 - * Cardiac Chest Pain
 - * An "**Acute Cardiac Patient**" is defined by the documentation of one of the following for cardiac rhythm (E14_03):
 - * 12 Lead ECG-Inferior Ischemia
 - * 12 Lead ECG-Anterior Ischemia
 - * 12 Lead ECG-Lateral Ischemia
 - * Left Bundle Branch Block
 - * If a record does not have any Protocols (E17_01) documented then any records with the following procedure (E19_03) or Prior Aid (E09_01) documented is considered an "**Acute Cardiac Patient**" :
 - * 12 Lead ECG
 - * If a record does not have any Protocols (E17_01) documented then any records with the following Medication Given (E18_03) or Prior Aid (E09_01) documented is considered an "**Acute Cardiac Patient**" :
 - * Aspirin
 - * Nitroglycerin
- * A STEMI Patient is specifically defined by the documentation of one of the following for cardiac rhythm (E14_03):
 - * 12 Lead ECG-Inferior Ischemia

- * 12 Lead ECG-Anterior Ischemia
- * 12 Lead ECG-Lateral Ischemia
- * Left Bundle Branch Block

Required Data Elements

The following data elements are required to complete the analysis in this section:

- * E02_04: Type of Service Requested
- * E02_20: Response Mode to Scene
- * E05_02: PSAP Call Date/Time
- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_05: Unit En Route Date/Time
- * E05_06: Unit Arrived on Scene Date/Time
- * E05_09: Unit Left Scene Date/Time
- * E05_10: Patient Arrived at Destination Date/Time
- * E06_14: Age
- * E06_15: Age Units
- * E14_01: Date/Time Vital Signs Taken
- * E14_03: Cardiac Rhythm
- * E17_01: Protocols Used
- * E18_03: Medication Given
- * E09_01: Prior Aid
- * E19_03: Procedure
- * E20_01: Destination Name
- * E20_10: Incident/Patient Disposition
- * E20_14: Transport Mode from Scene

Acute Cardiac Care Toolkit Summary



SAMPLE

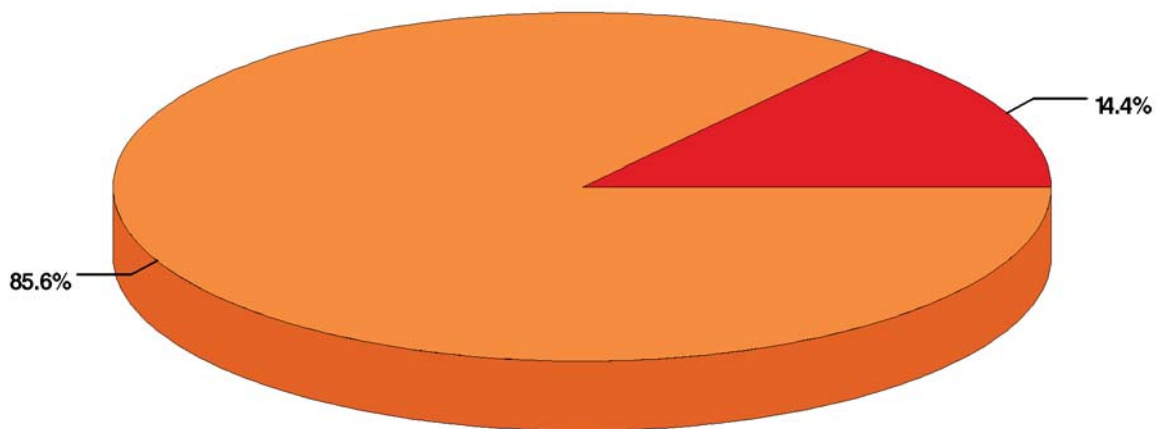
6/1/2010 - 11/30/2010

	SAMPLE	State
Total Records Found for Date Range	5,007	708,923
Total Patient Records Usable for Toolkit	4,778 (95%)	638,481 (90%)
* Suspected STEMI Patients	17 (<1%)	790 (<1%)
* All Acute Cardiac Patients (including STEMI)	688 (14%)	53,065 (8%)
* All Other Patients	4,090	585,416
Total Patients	4,778	638,481
Key EMS Time Intervals for Acute Cardiac Patients		
* Dispatch Center Time (90% Fractile)	.	0:04:00
* EMS Wheels Rolling Time (90% Fractile)	0:03:00	0:03:00
* EMS Response Time (90% Fractile)	0:14:00	0:14:32
* EMS Scene Time (90% Fractile)	0:26:00	0:26:07
EMS Acute Cardiac Patient Transport Time (90% Fractile)		
* To Sample Hospital 1	0:16:00 (4)	N/A
* To Sample Hospital 2	0:35:00 (68)	N/A
* To Sample Hospital 3	0:20:00 (440)	N/A
* To Sample Hospital 4	0:21:00 (138)	N/A
* To Sample Hospital 5	0:27:00 (1)	N/A
* To Sample Hospital 6	0:20:00 (1)	N/A

Acute Cardiac Patients

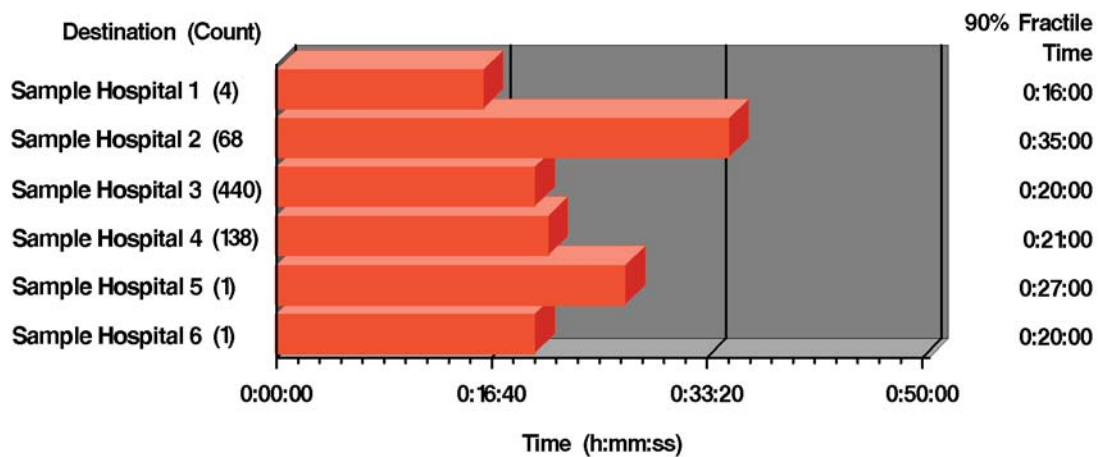
6/1/2010 - 11/30/2010

Patient(COUNT)	 Acute Cardiac (688)	 Other (4090)
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Acute Cardiac Patient Transport Times by Destination (90% Fractile)

6/1/2010 - 11/30/2010



Section B: 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 Cardiac Care Toolkit for the selected date range.

Required Data Elements

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

- * E02_04: Type of Service Requested
- * E02_20: Response Mode to Scene
- * E05_02: PSAP Call Date/Time
- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_05: Unit En Route Date/Time
- * E05_06: Unit Arrived on Scene Date/Time
- * E05_09: Unit Left Scene Date/Time
- * E05_10: Patient Arrived at Destination Date/Time
- * E06_14: Age
- * E06_15: Age Units
- * E14_01: Date/Time Vital Signs Taken
- * E14_03: Cardiac Rhythm
- * E17_01: Protocols Used
- * E18_03: Medication Given
- * E09_01: Prior Aid
- * E19_03: Procedure
- * E20_01: Destination Name
- * E20_10: Incident/Patient Disposition
- * E20_14: Transport Mode from Scene

Acute Cardiac Care Data Element Completion Rates

The following table lists all of the data elements which are used in the EMS Acute Cardiac Care Toolkit. If any one of these data elements are missing, at least one piece of the EMS Acute Cardiac 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.

Acute Cardiac Arrest Care Data Element Completion Rates

SAMPLE

6/1/2010 - 11/30/2010

Data Element	EMS System Completion Rate	State Completion Rate
PSAP Call Date	0%	62%
PSAP Call Time	0%	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	100%	79%
Patient Arrived at Destination Date/Time	85%	73%
Type of Response Delay	100%	46%
Type of Scene Delay	100%	49%
Type of Transport Delay	85%	37%
Beginning Odometer Reading of Respondi	100%	54%
On-Scene Odometer Reading of Respondin	100%	71%
Patient Destination Odometer Reading o	100%	67%
Response Mode to Scene	100%	100%
Type of Service Requested	100%	100%
Incident County	100%	82%

Data Element	EMS System Completion Rate	State Completion Rate
Incident State	100%	100%
Incident ZIP Code	100%	91%
Chief Complaint Organ System	82%	37%
Other Associated Symptoms	50%	52%
Chief Complaint Anatomic Location	84%	37%
Primary Role of the Unit	100%	100%
Incident Location Type	47%	89%
Complaint Reported by Dispatch	98%	76%
EMD Card Number	0%	28%
Chief Complaint	100%	87%
Destination/Transferred To, Name	100%	71%
Incident/Patient Disposition	100%	100%
Transport Mode from Scene	85%	71%
Reason for Choosing Destination	85%	68%
Type of Destination	85%	72%
Patient Care Report Number	100%	100%
EMS Agency Number	100%	100%
Crew Member ID	100%	87%
Crew Member Role	100%	82%
Patient's Home Zip Code	100%	86%
Gender	100%	90%
Race	86%	83%
Ethnicity	79%	74%
Age	100%	89%
Age Units	100%	89%
Primary Symptom	100%	100%
Provider's Primary Impression	68%	28%
Barriers to Patient Care	86%	53%
SBP (Systolic Blood Pressure)	93%	69%
Pulse Oximetry	85%	58%
Respiratory Rate	93%	71%
Level of Responsiveness	96%	61%
Protocols Used	21%	41%

EMS Acute Cardiac Care Toolkit

Data Element	EMS System Completion Rate	State Completion Rate
Date/Time Medication Administered	68%	23%
Medication Given	68%	24%
Medication Crew Member ID	68%	91%
Date/Time Procedure Performed Successful	99%	40%
Procedure	99%	42%
Number of Procedure Attempts	94%	39%
Procedure Successful	95%	40%
Procedure Crew Member ID	99%	92%
Emergency Department Disposition	0%	2%
Hospital Disposition	0%	2%
Who Generated This Report	100%	77%
Primary Method of Payment	98%	42%
Provider's Secondary Impression	25%	4%
Cardiac Arrest	100%	69%
Destination Zip Code	100%	68%
Advanced Directives	7%	32%
Date/Time Vital Signs Taken	98%	75%
Cardiac Rhythm	64%	26%
Level of Service	100%	100%
EMD Performed	0%	38%
Duration of Chief Complaint	100%	46%
Time Units of Duration of Chief Complain	100%	46%
Secondary Complaint Narrative	18%	15%
Obtained Prior to this Units EMS Care	98%	73%
DBP (Diastolic Blood Pressure)	81%	68%
Pulse Rate	95%	71%
Pain Scale	29%	41%
Thrombolytic Screen	<1%	<1%
Chest/Lungs Assessment	3%	25%
Heart Assessment	3%	14%
Mental Status Assessment	3%	39%
Medication Administered Prior to Units E	0%	0%
Procedure Performed Prior to Units EMS C	99%	38%

EMS Acute Cardiac Care Toolkit

Data Element	EMS System Completion Rate	State Completion Rate
Destination State	100%	100%
Destination County	100%	65%
Condition of Patient at Destination	85%	63%

Additional EMS Acute Cardiac Care Data Elements

There are a total of 6 data elements which are used in the EMS Cardiac Arrest 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 Toolkit Data Elements

SAMPLE

6/1/2010 - 11/30/2010

No additional Toolkit Elements are missing

Section C: County Acute Cardiac Patient Statistics

Purpose:

This section will evaluate, analyze, and provide insight into the frequency and types of Acute Cardiovascular Disease and Acute Cardiac Patients within the EMS Service. Information included in this section is taken from two sources:

- * The Center for Disease Control and Prevention
- * Data provided to PreMIS for the Date Range Selected

CDC Cardiovascular Disease Death Rates

The Center for Disease Control maintains Cardiovascular Disease Death Rates on every county in the United States. The Cardiovascular Disease Death Rate is calculated based on the number of deaths related to coronary heart disease and hypertension. This chart describes the EMS Service's cardiovascular disease death rate. The EMS Service is also benchmarked with North Carolina and the United States. It is important to note that not all cardiovascular disease deaths are due to Acute Cardiac Syndromes or ST Elevation Myocardial Infarctions. The higher the incidence of cardiovascular disease death rates, the higher the incidence of ACS and STEMI within any community. Death Rates are defined as the number of deaths per 100,000 population per year.

Record Selection Information:

- * An Acute Cardiac Patient is also considered an Acute Cardiac Syndrome Patient (ACS). All records (E01_01 Patient Care Report Number) identified with the following criteria are considered ACS patients:
 - * 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 Cardiac Patient**" is any patient whose age is greater than 35 years of age
 - * An "**Acute Cardiac Patient**" is defined by the use of the following protocol (E17_01):
 - * Cardiac Chest Pain
 - * An "**Acute Cardiac Patient**" is defined by the documentation of one of the following for cardiac rhythm (E14_03):
 - * 12 Lead ECG-Inferior Ischemia
 - * 12 Lead ECG-Anterior Ischemia
 - * 12 Lead ECG-Lateral Ischemia
 - * Left Bundle Branch Block
 - * If a record does not have any Protocols (E17_01) documented then any records with the following procedure (E19_03) or Prior Aid (E09_01) documented is considered an "**Acute Cardiac Patient**" :
 - * 12 Lead ECG

- * If a record does not have any Protocols (E17_01) documented then any records with the following Medication Given (E18_03) or Prior Aid (E09_01) documented is considered an "**Acute Cardiac Patient**" :
 - * Aspirin
 - * Nitroglycerin
- * A STEMI Patient is specifically defined by the documentation of one of the following for cardiac rhythm (E14_03):
 - * 12 Lead ECG-Inferior Ischemia
 - * 12 Lead ECG-Anterior Ischemia
 - * 12 Lead ECG-Lateral Ischemia
 - * Left Bundle Branch Block

Required Data Elements

The following data elements are required to complete the analysis in this section:

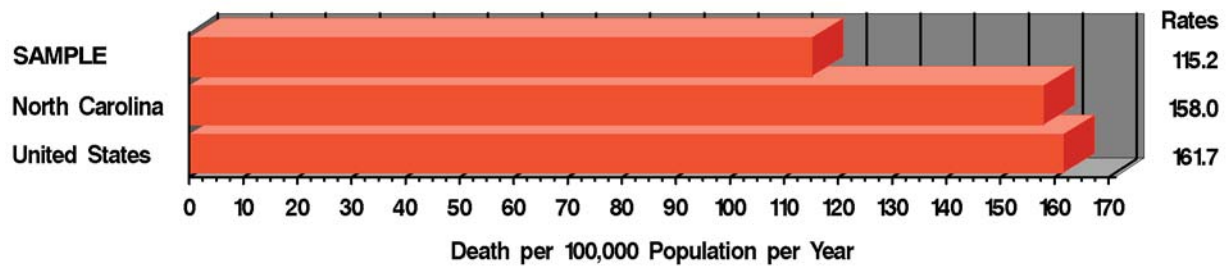
- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_06: Unit Arrived on Scene Date/Time
- * E06_06: Patient's Home County
- * E06_08: Patient's Home Zip Code
- * E06_11: Gender
- * E06_12: Race
- * E06_13: Ethnicity
- * E06_14: Age
- * E06_15: Age Units
- * E06_16: Date of Birth
- * E08_07: Incident Location Type
- * E09_01: Prior Aid
- * E11_01: Cardiac Arrest
- * E11_05: First Monitored Rhythm of the Patient
- * E14_01: Date/Time Vital Signs Taken
- * E14_02: Obtained Prior to This Units EMS Care
- * E14_03: Cardiac Rhythm
- * E17_01: Protocols Used

- * E18_03: Medication Given
- * E19_03: Procedures
- * E20_10: Incident/Patient Disposition

CDC Cardiovascular Disease Death Rates

CDC Cardiovascular Disease Death Rates

6/1/2010 - 11/30/2010

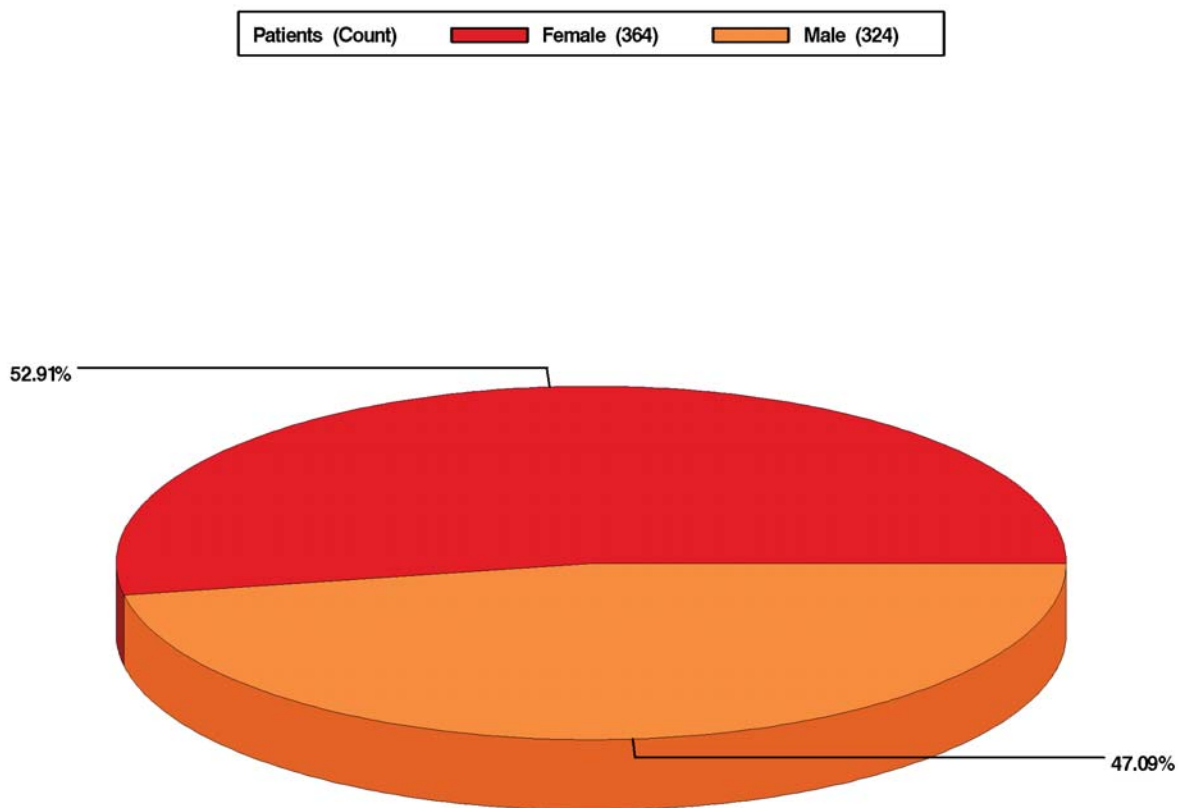


Age and Race Characteristics

The following charts describe the age, gender, and race of Acute Cardiac Patients cared for by the EMS System

Acute Cardiac Patient's Gender

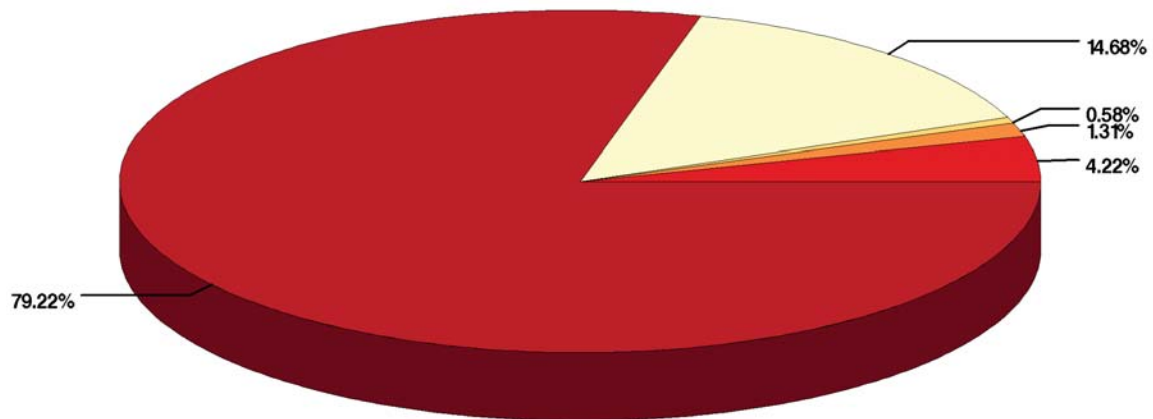
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Acute Cardiac Patient's Race

6/1/2010 - 11/30/2010

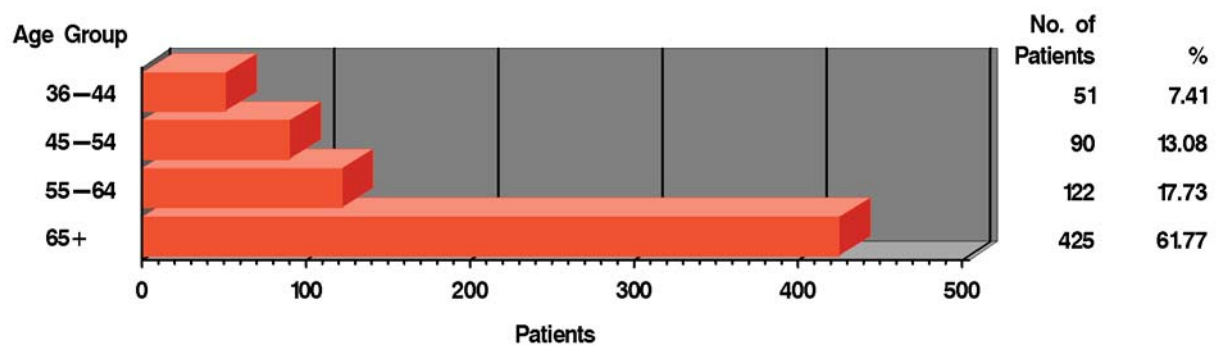
Patient (Count)	Black (29)	Hispanic (9)	Other Race (4)
	Unknown (101)	White (545)	



Acute Cardiac Patients Age Characteristics

Acute Cardiac Patient's Incidence by Age

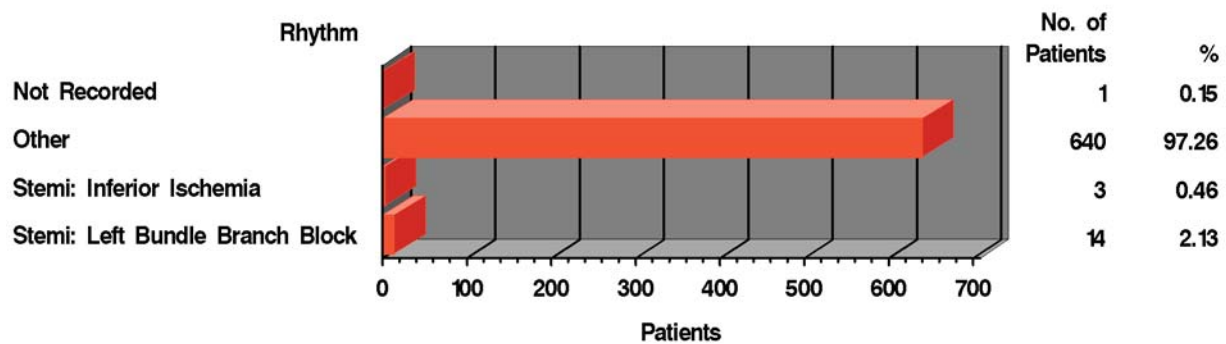
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Acute Cardiac Patients Based on 12 Lead ECG Findings

Acute Cardiac Patients Based on 12 Lead ECG Findings

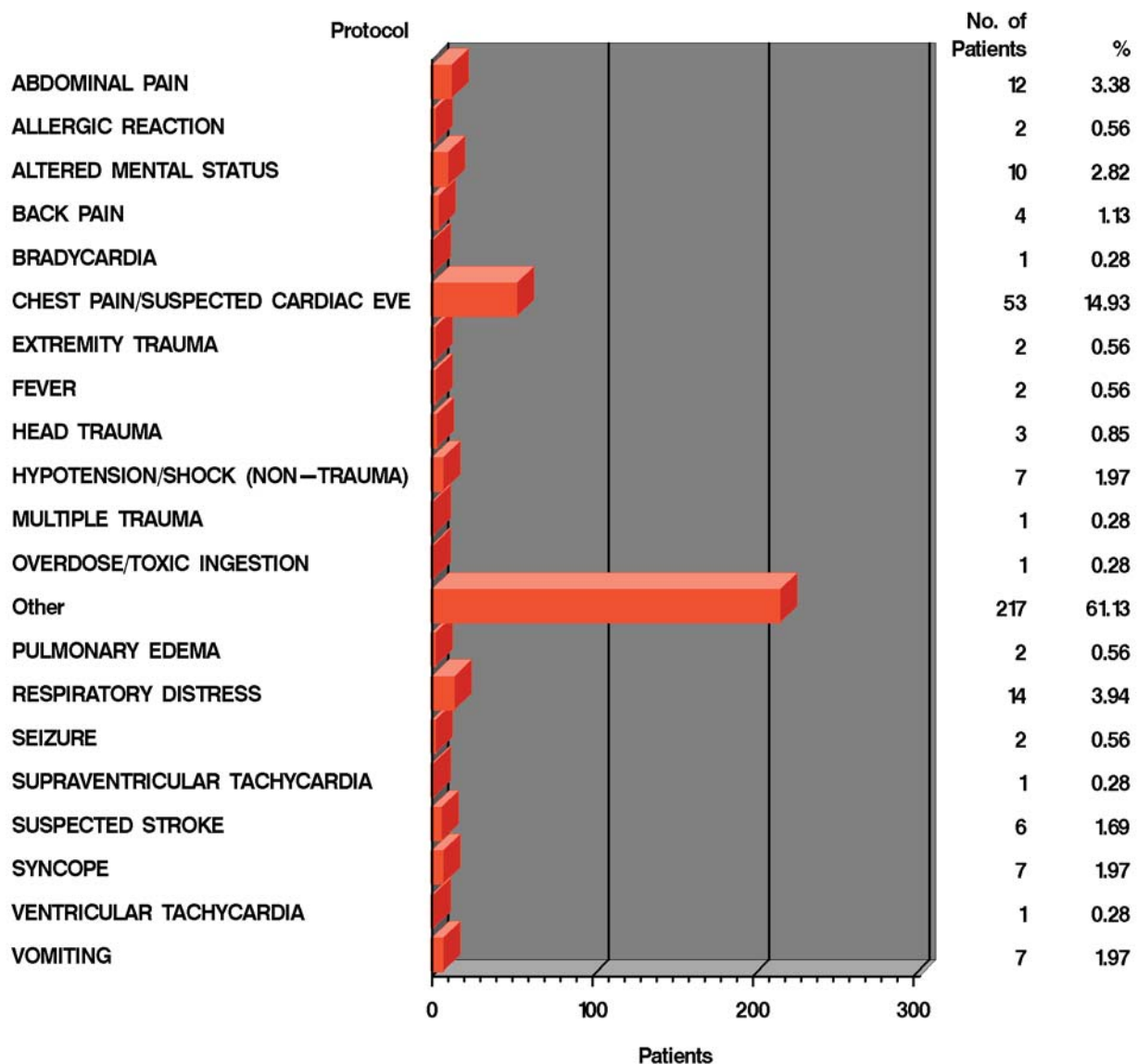
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Acute Cardiac Patients by EMS Protocol Used

Acute Cardiac Patients by EMS Protocol Used

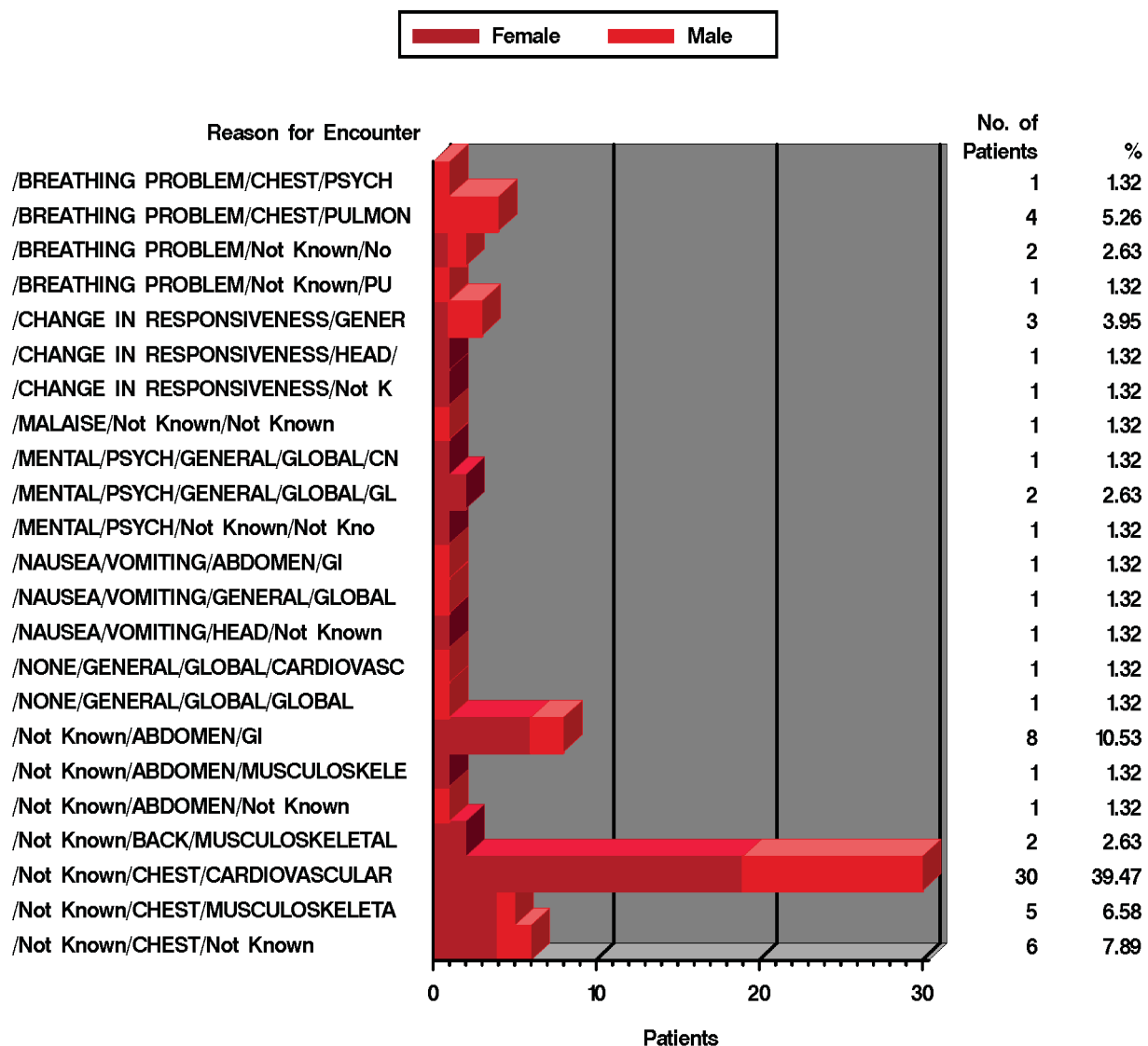
6/1/2010 - 11/30/2010



Acute Cardiac Patients based on the Reason For Encounter and Gender

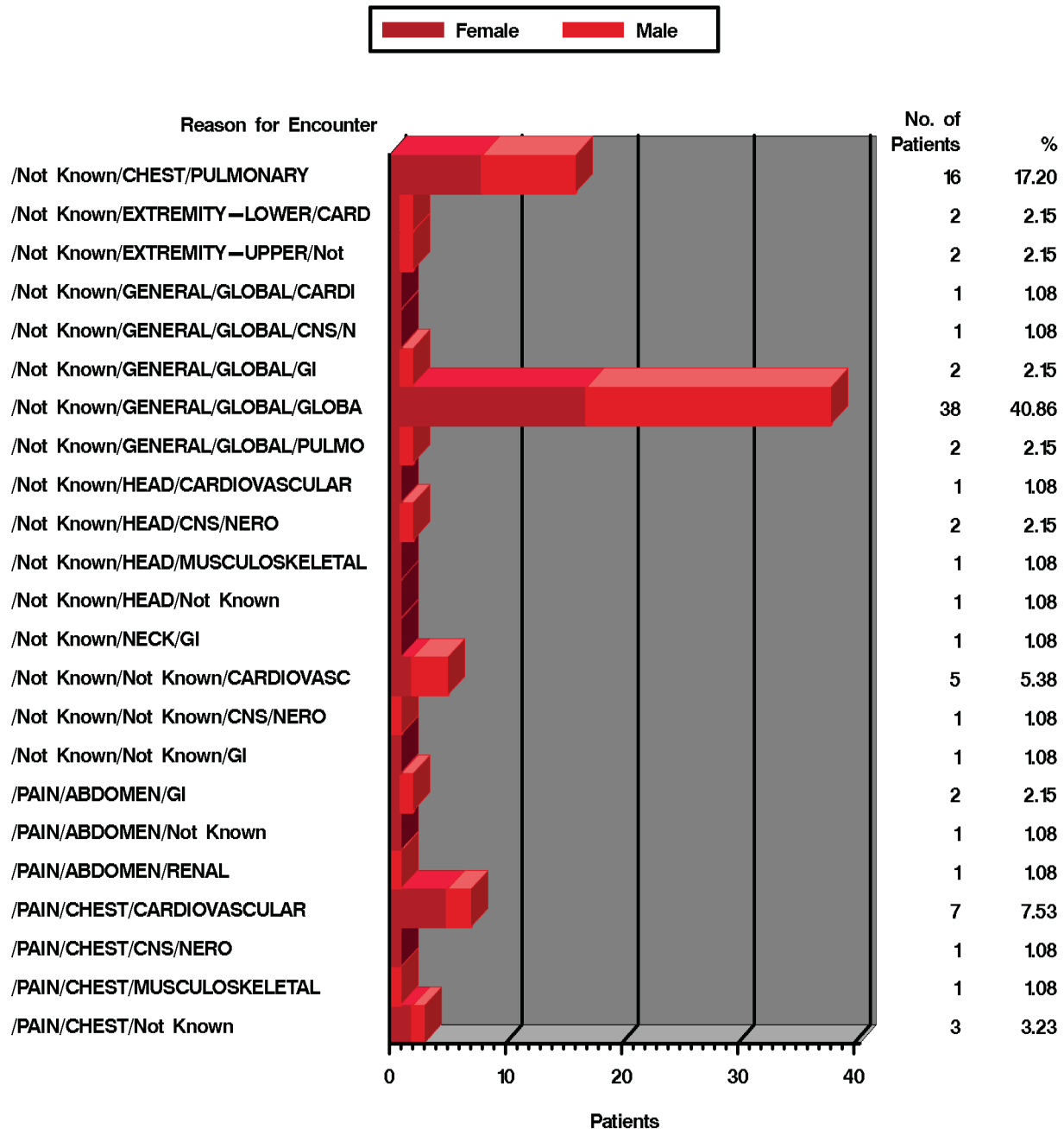
Acute Cardiac Patients Reason for Encounter and Gender

6/1/2010 - 11/30/2010



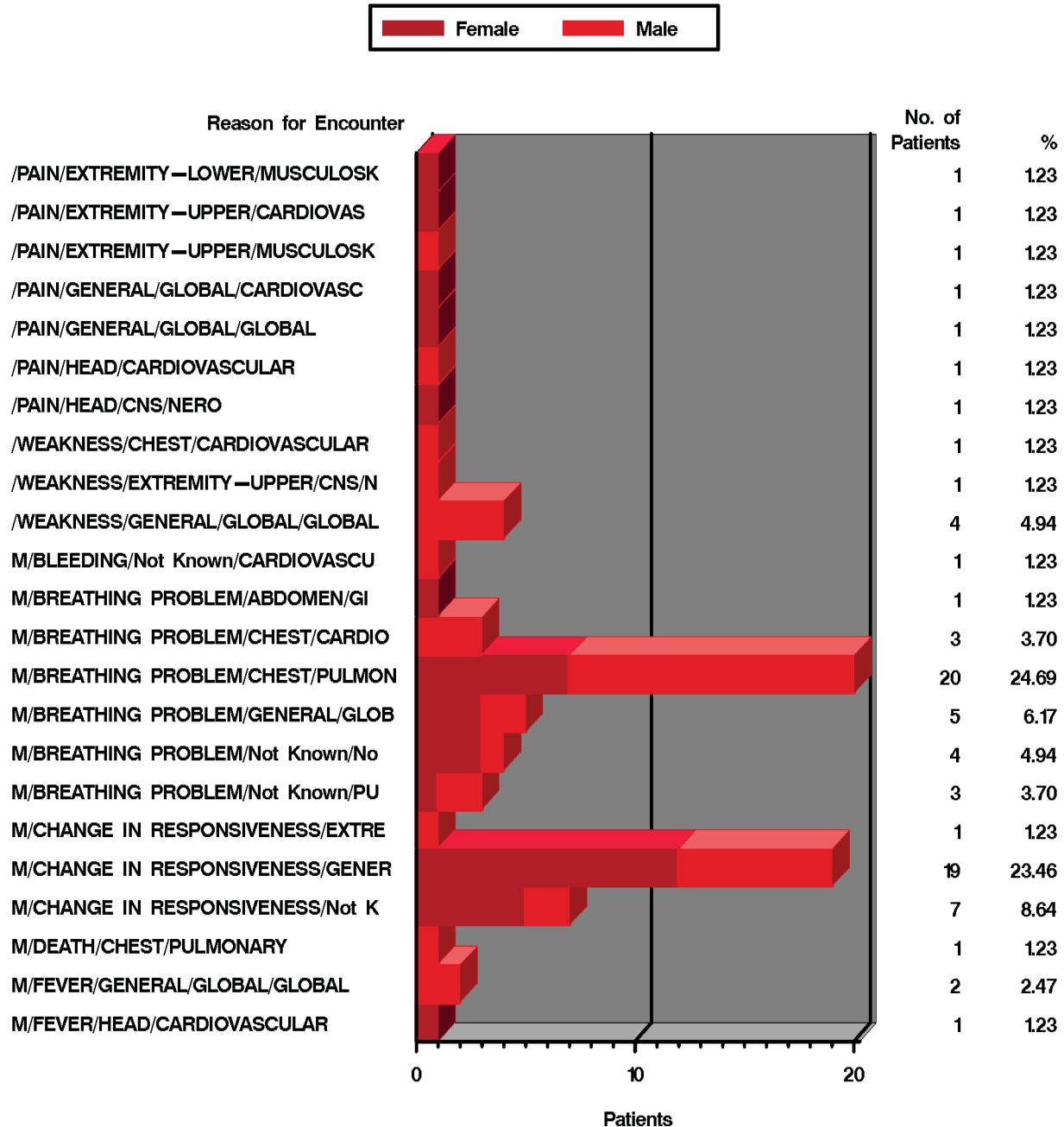
Acute Cardiac Patients Reason for Encounter and Gender

6/1/2010 - 11/30/2010



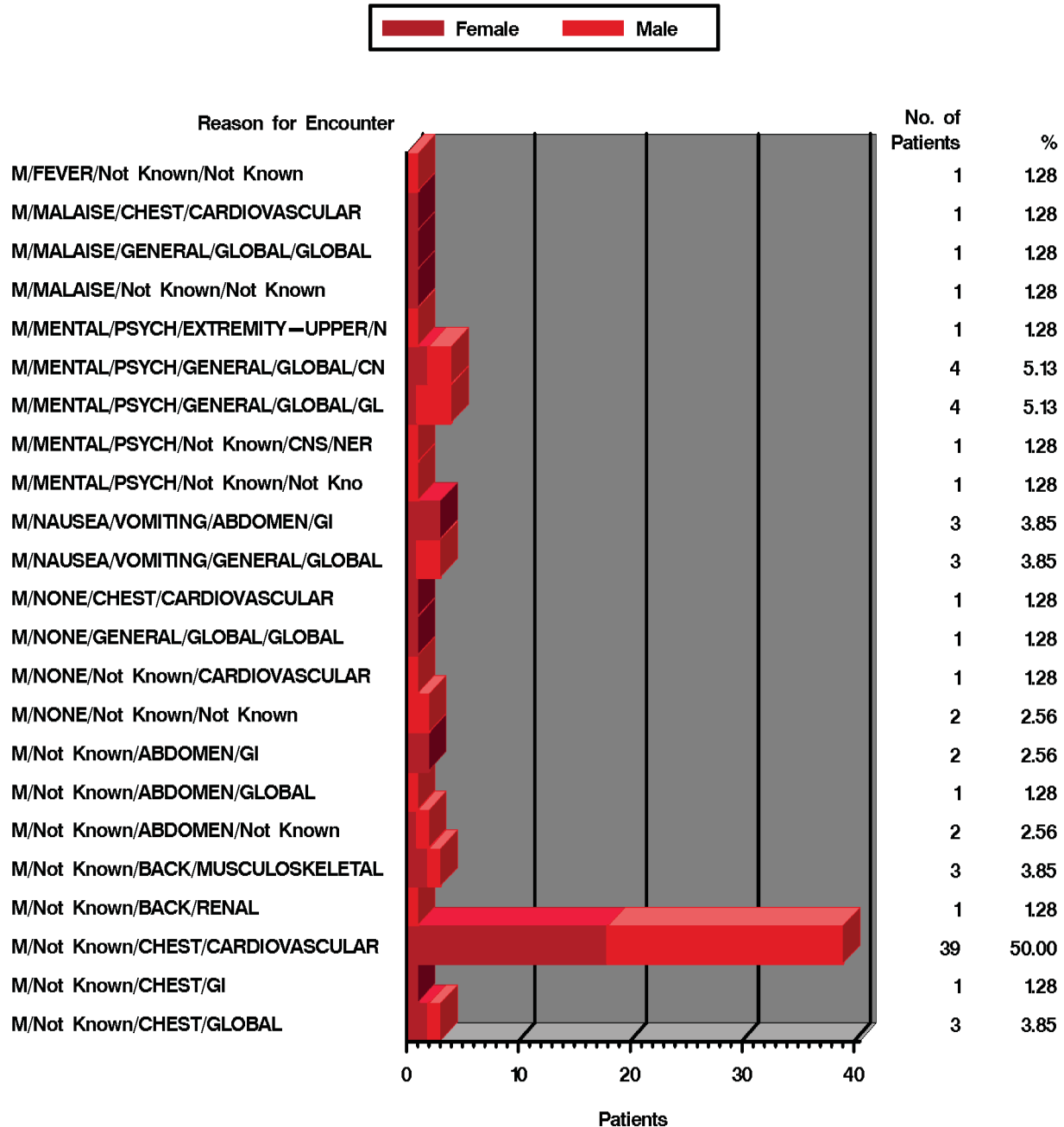
Acute Cardiac Patients Reason for Encounter and Gender

6/1/2010 - 11/30/2010



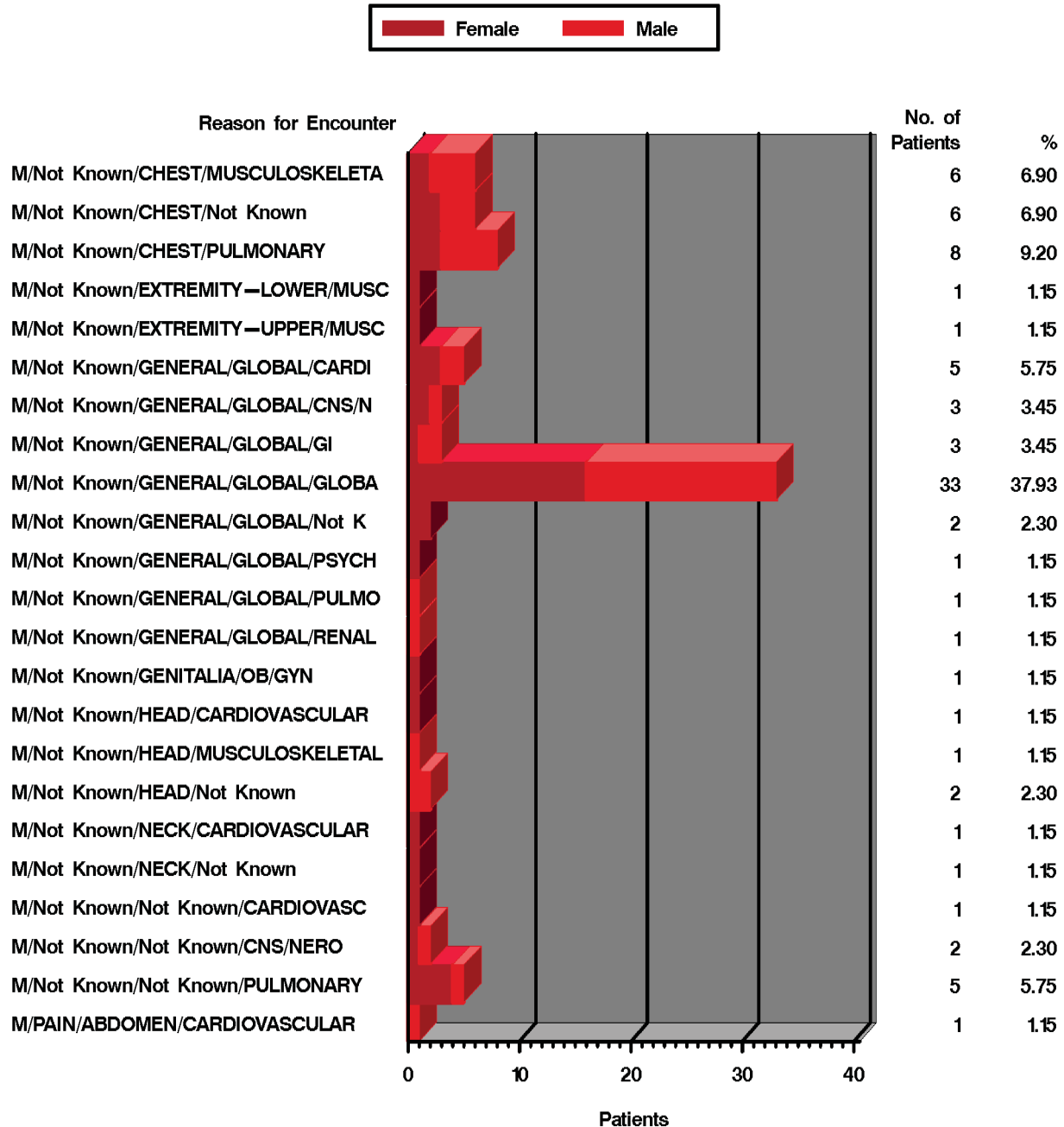
Acute Cardiac Patients Reason for Encounter and Gender

6/1/2010 - 11/30/2010



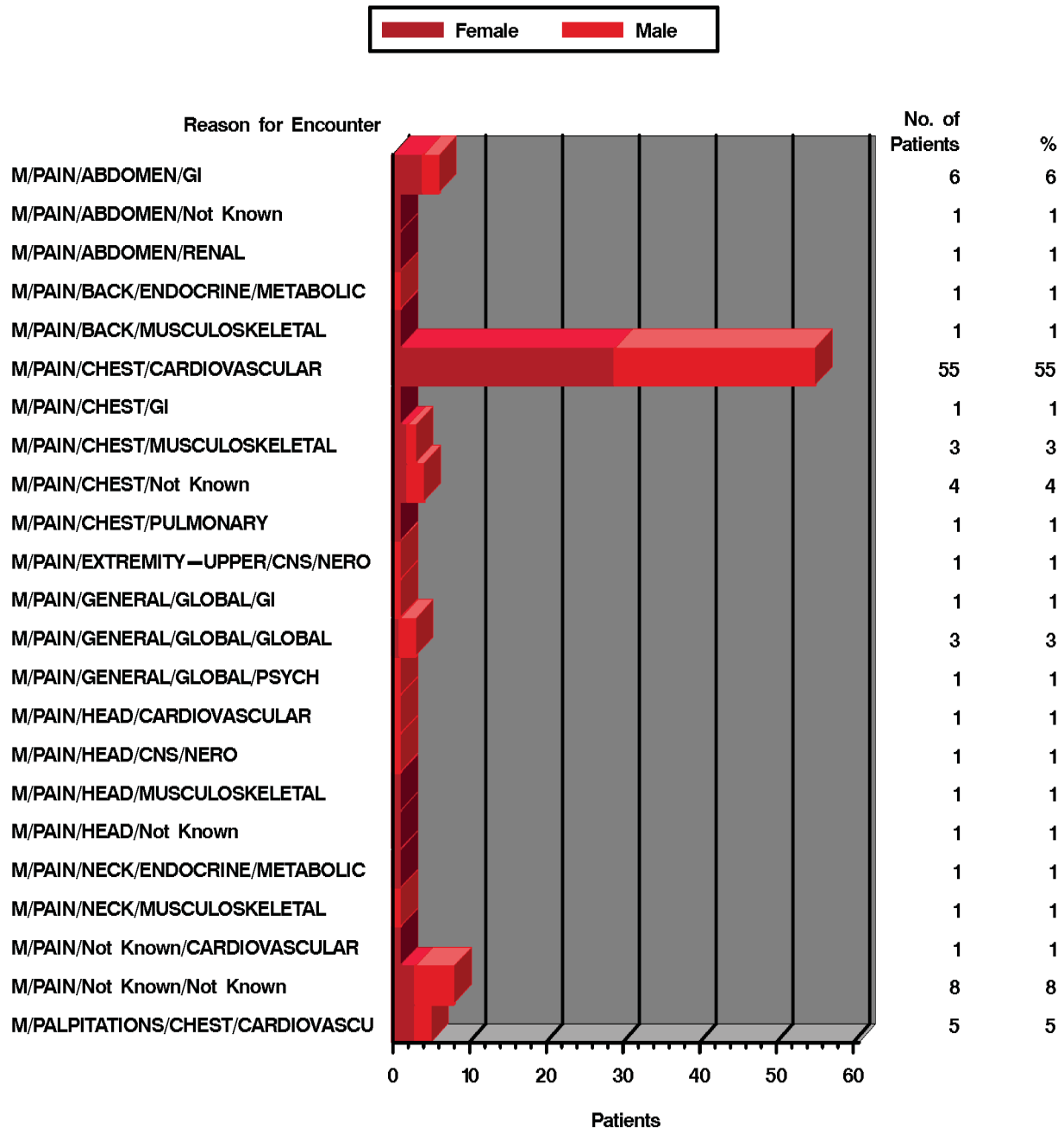
Acute Cardiac Patients Reason for Encounter and Gender

6/1/2010 - 11/30/2010



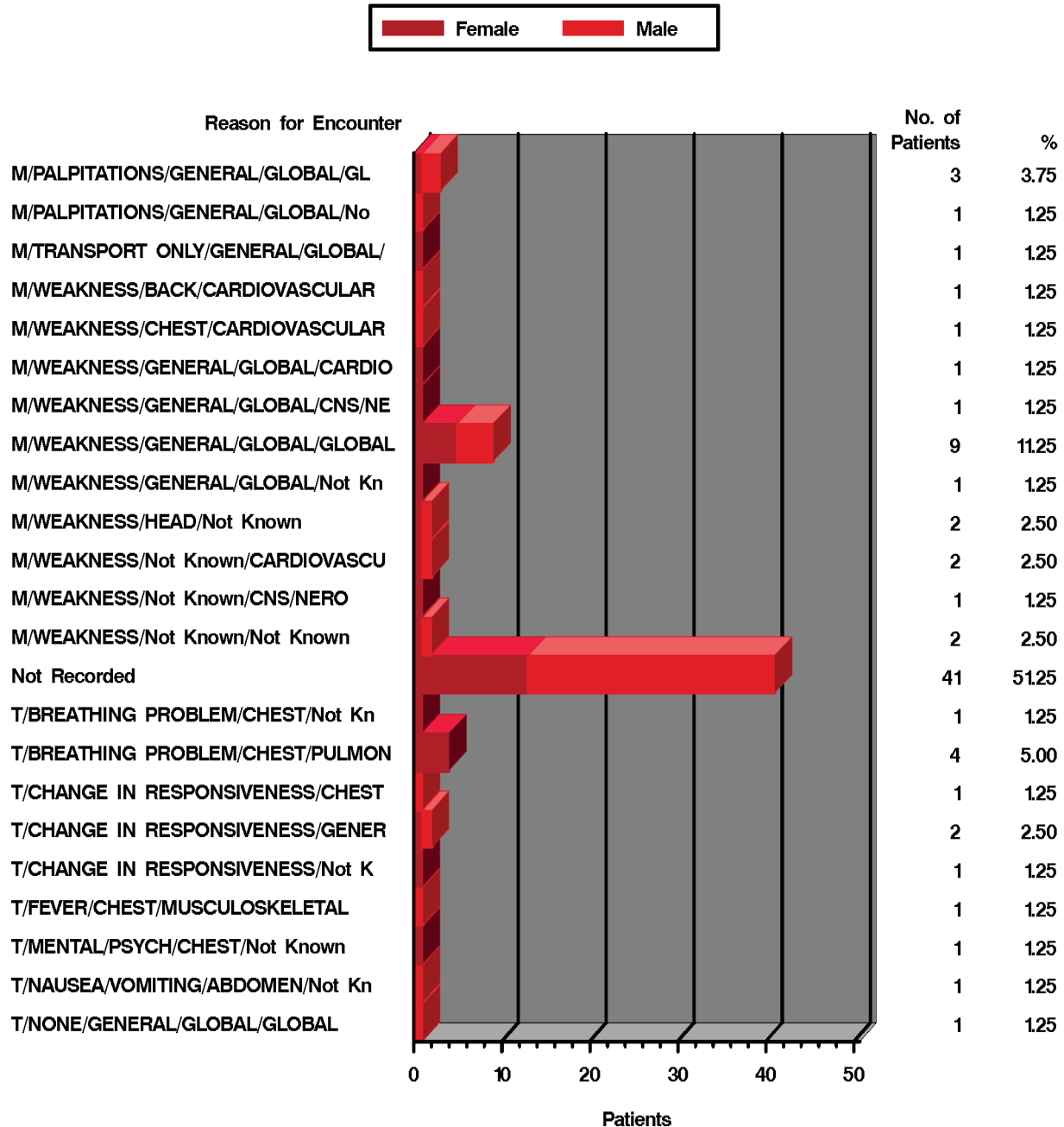
Acute Cardiac Patients Reason for Encounter and Gender

6/1/2010 - 11/30/2010



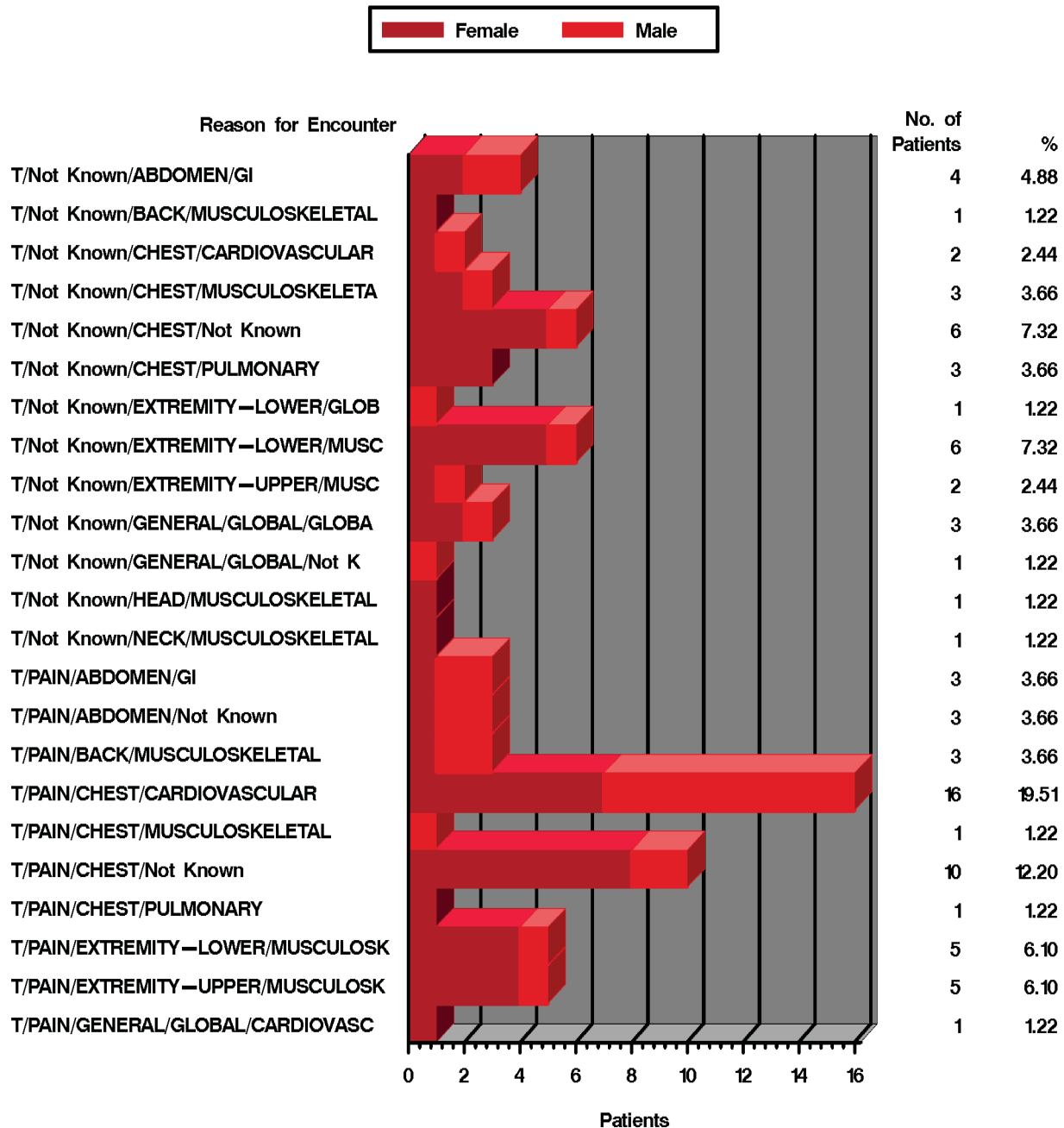
Acute Cardiac Patients Reason for Encounter and Gender

6/1/2010 - 11/30/2010



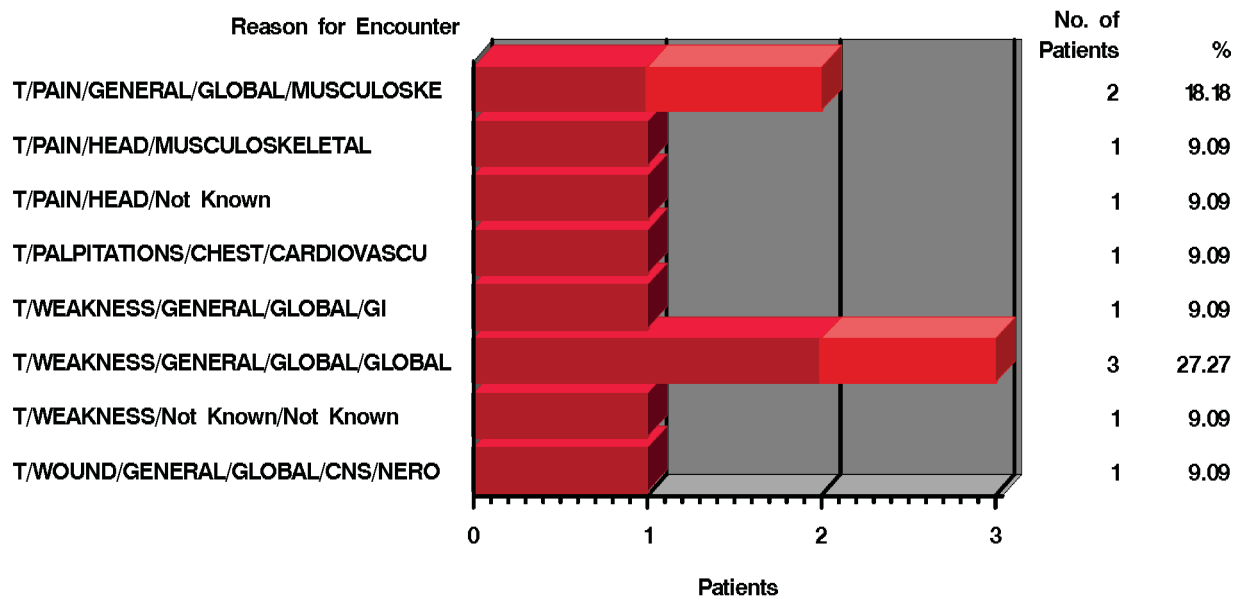
Acute Cardiac Patients Reason for Encounter and Gender

6/1/2010 - 11/30/2010



Acute Cardiac Patients Reason for Encounter and Gender

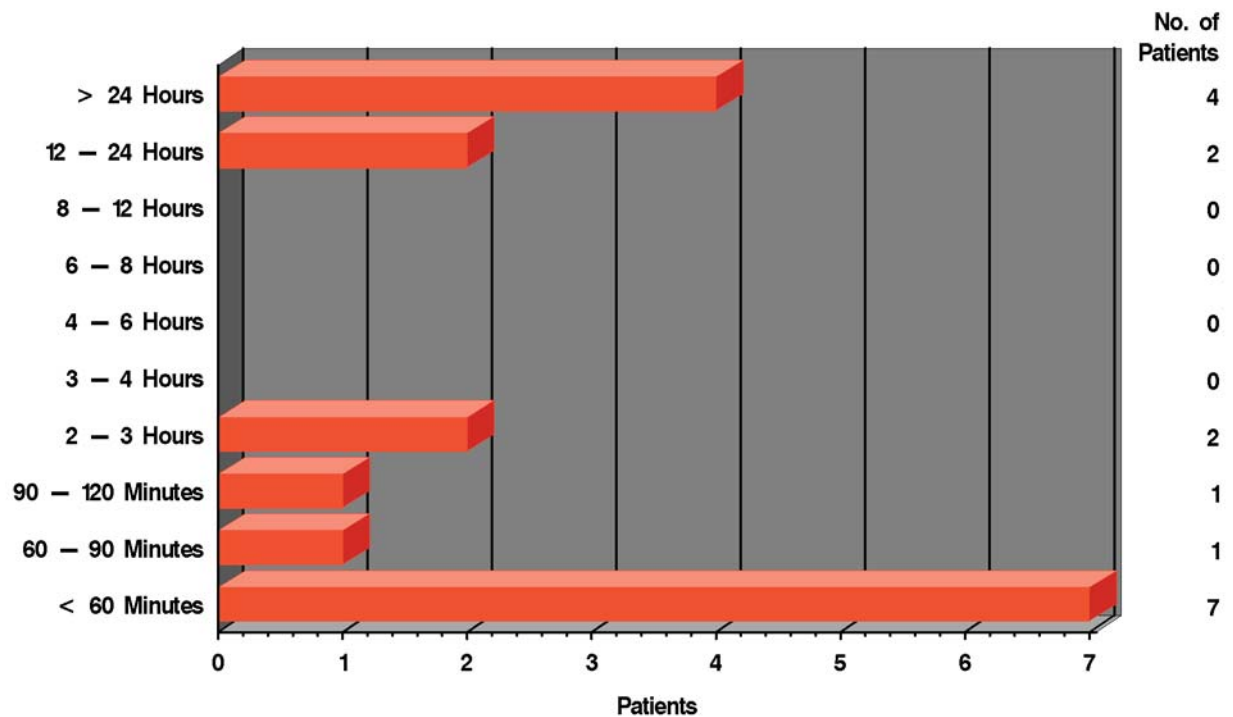
6/1/2010 - 11/30/2010



STEMI Patients Symptom Duration Documented at EMS Arrival

STEMI Patient's Symptom Duration (Timed at EMS Arrival)

6/1/2010 - 11/30/2010



Section D: EMS System Capability

Purpose:

This section will describe the EMS Systems capability with respect to key functions or components important to timely EMS service delivery, reliable personnel performance, and quality patient care. Components of the EMS Service evaluated in this section include:

- * Dispatch Center
- * EMS Personnel
- * EMS System Structural Components
- * Invasive Cardiac (STEMI) Capable Hospital Information

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.**

Statistics

SAMPLE

6/1/2010 - 11/30/2010

	EMS System	Urban Group Average	State Average
Statiscal Data			
* Population	89,173	137,136	80,501
* Square Miles	554	533	540
Census Data			
* % of the population in Poverty	12%	13%	15%
* % of the Population: White	90%	73%	72%
* % of the Population: Black	3%	19%	21%
* % of the Population: Hispanic	5%	4%	4%
* % of the Population with a High School Degree or better	83%	77%	74%
* Median Age	43	36	38
EMS Capabilities			
* Highest Level of Service	EMT-P	97% EMT-P	88% EMT-P
* % of Population covered by First Responders	100%	85%	74%
* % of EMT-Paramedic Staff trained in 12 LEAD ECG interpretation	25%	80%	80%
* Is there written STEMI Plan addressing patient destinations?	No	10 (26%) Yes	24 (24%) Yes
* Is the EMS System involved with the NC RACE Project?	No	9 (24%) Yes	22 (22%) Yes
* Does the EMS System STEMI Plan require early hospital notification on STEMI patients?	Yes	13 (34%) Yes	27 (28%) Yes
Dispatch Center			
* 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	11 (29%) Yes	25 (26%) Yes

EMS Acute Cardiac Care Toolkit

	EMS System	Urban Group Average	State Average
* Invasive STEMI Capable Hospital in County	No	4 (11%) Yes	5 (5%) Yes
* Distance to Nearest Invasive STEMI Capable Hospital	50	36	41
* Ability to go directly to a STEMI Capable Hospital	No	8 (21%) Yes	22 (22%) Yes

Section E: EMS System Performance

Purpose: This section will describe the EMS System's performance based on key indicators related to EMS System Response and Transport Times. Components of the EMS System evaluated in this section include:

E1. EMS System Dispatch Center Time

- * Defined as Unit Notified by Dispatch Time minus 911 Call Time

E2. EMS System "Chute" Time or "Wheels Rolling" Time

- * Defined as Unit En Route Time minus Unit Notified by Dispatch Time

E3. EMS System Response Time

- * Defined as Unit Arrived on Scene Time minus Unit En Route Time

E4. EMS System Total Response Time

- * Defined as Unit Arrived on Scene Time minus 911 Call Time

E5. EMS System Scene Time

- * Defined as Unit Left Scene Time minus Unit Arrived on Scene Time

E6. EMS System Transport Time

- * Defined as the Patient Arrived at Destination Time minus Unit Left Scene Time

E7. Total System EMS Patient Contact Time

- * Defined as Patient Arrived at Destination Time minus 911 Call Time

E8. EMS System Response Delays

E9. EMS System Scene Delays

E10. EMS System Transport Delays

E1. EMS System Dispatch Center Time

The following table describes the EMS System's Dispatch Center Time. Dispatch Center Time is defined as the time beginning with the phone ringing in the 911 Call Center until the EMS Unit is notified to respond by dispatch.

The EMS System's information is provided in two categories:

- * All emergent "Lights and Sirens" dispatched events
- * Only Acute Cardiac Care Patients

Comparison data provided for similar EMS System's and the state are based on all emergent "Lights and Sirens" dispatched events.

Data Elements which are required for this table and chart include:

- * E02_04: Type of Service Requested
- * E02_20: Response Mode to Scene
- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_02: PSAP Call Date/Time

Your System belongs to Urban group

EMS System Dispatch Center Time

SAMPLE

6/1/2010 - 11/30/2010

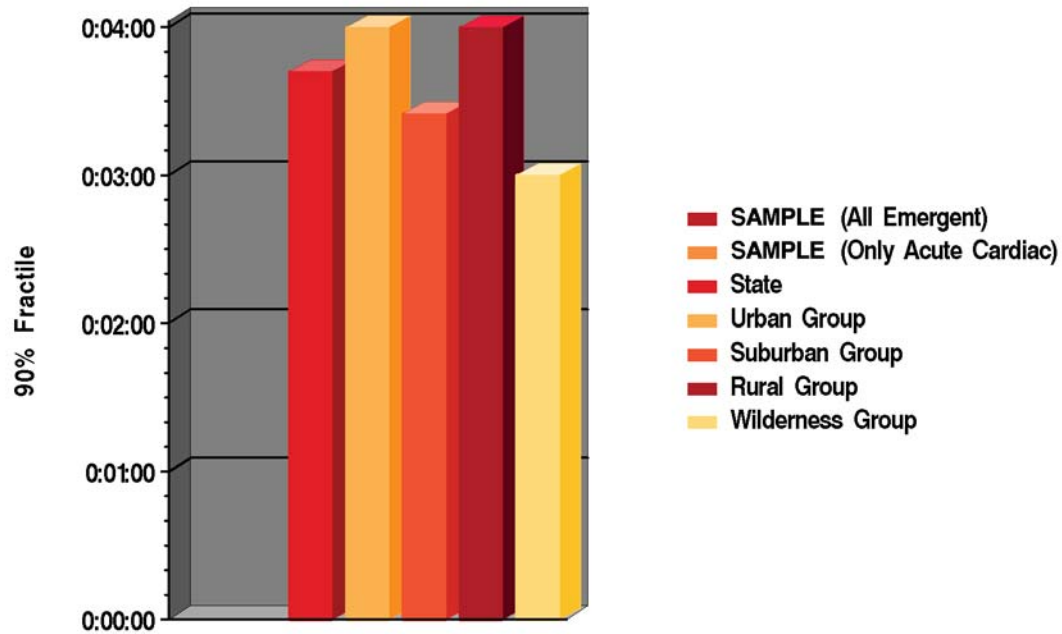
System	Events (n)	Min Value	Max Value	Avg Value	90% Fractile	Std Deviation
EMS System (All Emergent)	0	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00
EMS System (Acute Cardiac)	0	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00
State	238,679	0:00:00	2:00:00	0:01:53	0:03:42	0:03:21
Urban Group	149,224	0:00:00	2:00:00	0:01:58	0:04:00	0:03:23
Suburban Group	61,881	0:00:00	1:59:00	0:01:50	0:03:25	0:02:56
Rural Group	19,762	0:00:00	1:53:00	0:01:51	0:04:00	0:04:17
Wilderness Group	7,812	0:00:00	1:11:00	0:01:07	0:03:00	0:02:59

Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

Analysis of EMS System Dispatch Center Time

6/1/2010 - 11/30/2010



Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

E2. EMS System "Chute" Time or "Wheels Rolling" Time

The following table describes the EMS System's "Chute" or "Wheels Rolling" Time. This time is defined as the time beginning with the EMS Unit being notified to respond by dispatch and the actual wheels rolling (Unit En Route Time) time when the EMS vehicle begins moving toward the scene.

The EMS System's information is provided in two categories:

- * All emergent "Lights and Sirens" dispatched events
- * Only Acute Cardiac Care Patients

Comparison data provided for similar EMS Systems and the state are based on all emergent "Lights and Sirens" dispatched events.

Data Elements which are required for this table and chart include:

- * E02_04: Type of Service Requested
- * E02_20: Response Mode to Scene
- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_05: Unit En Route Date/Time

Your System belongs to Urban group

EMS System Chute (Wheels Rolling) Time

SAMPLE

6/1/2010 - 11/30/2010

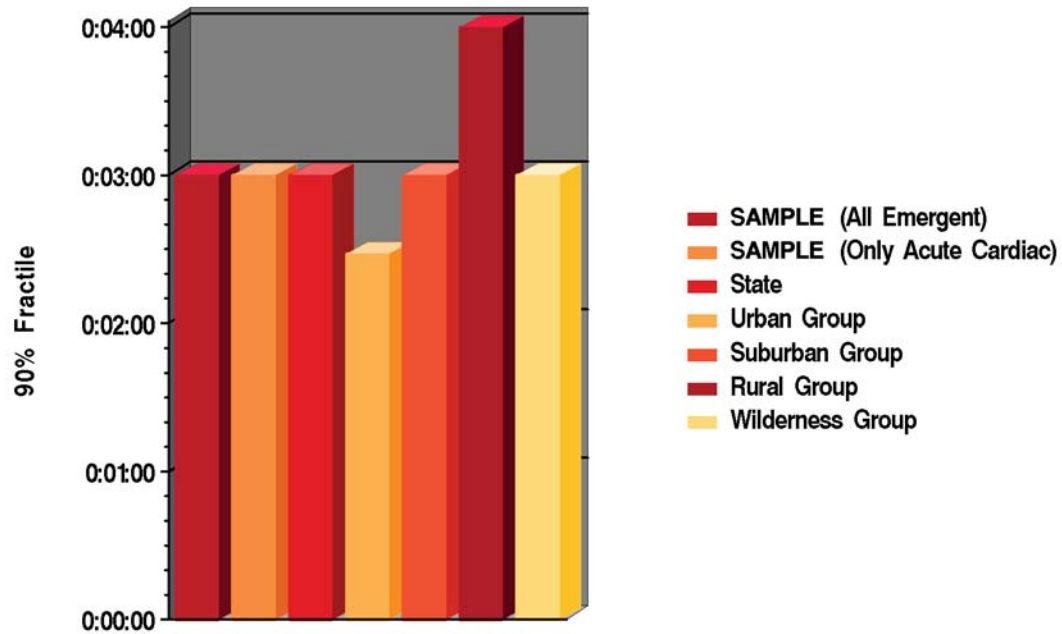
System	Events (n)	Min Value	Max Value	Avg Value	90% Fractile	Std Deviation
EMS System (All Emergent)	2,533	0:00:00	0:17:00	0:01:41	0:03:00	0:01:09
EMS System (Acute Cardiac)	611	0:00:00	0:11:00	0:01:40	0:03:00	0:01:03
State	320,160	0:00:00	1:54:00	0:01:20	0:03:00	0:01:57
Urban Group	187,169	0:00:00	1:54:00	0:01:14	0:02:28	0:01:33
Suburban Group	86,858	0:00:00	1:49:00	0:01:19	0:03:00	0:01:47
Rural Group	35,612	0:00:00	1:28:00	0:01:47	0:04:00	0:03:16
Wilderness Group	10,521	0:00:00	1:35:35	0:01:40	0:03:00	0:03:00

Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

Analysis of EMS System Chute (Wheels Rolling) Time

6/1/2010 - 11/30/2010



Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

E3. EMS System Response Time

The following table describes the EMS System's Response Time. EMS Response Time is defined as the time beginning with the EMS Unit moving toward the scene and ending when the EMS unit arrives at the scene.

The EMS System's information is provided in two categories:

- * All emergent "Lights and Sirens" dispatched events
- * Only Acute Cardiac Care Patients

Comparison data provided for similar EMS Systems and the state are based on all emergent "Lights and Sirens" dispatched events.

Data Elements which are required for this table and chart include:

- * E02_04: Type of Service Requested
- * E02_20: Response Mode to Scene
- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_05: Unit En Route Date/Time
- * E05_06: Unit Arrived on Scene Date/Time

Your System belongs to Urban group

EMS System Response Time

SAMPLE

6/1/2010 - 11/30/2010

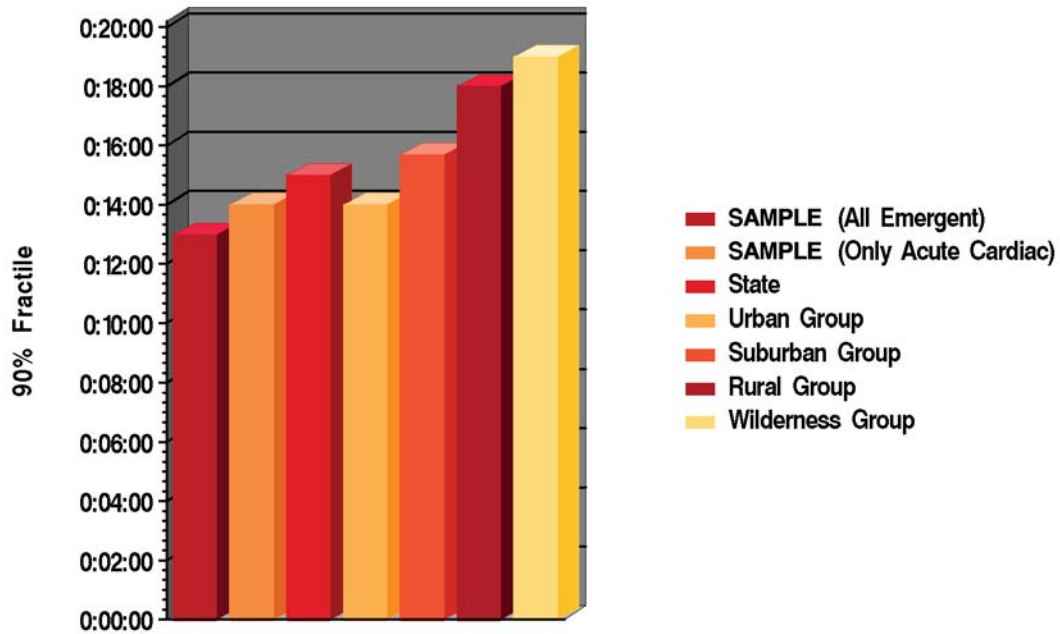
System	Events (n)	Min Value	Max Value	Avg Value	90% Fractile	Std Deviation
EMS System (All Emergent)	2,390	0:00:00	1:05:00	0:07:19	0:13:00	0:04:36
EMS System (Acute Cardiac)	611	0:00:00	1:05:00	0:07:41	0:14:00	0:05:10
State	308,490	0:00:00	1:59:00	0:08:39	0:15:00	0:05:22
Urban Group	179,679	0:00:00	1:59:00	0:08:23	0:14:00	0:04:52
Suburban Group	83,931	0:00:00	1:53:00	0:08:44	0:15:42	0:05:34
Rural Group	34,665	0:00:00	1:45:00	0:09:26	0:18:00	0:06:33
Wilderness Group	10,215	0:00:00	1:47:35	0:10:00	0:19:00	0:06:47

Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

Analysis of EMS System Response Time

6/1/2010 - 11/30/2010



Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

E4. EMS System Total Response Time

The following table describes the EMS System's Total Response Time. The Total EMS Response Time is defined as the time beginning with the phone ringing in the 911 Call Center until the EMS unit arrives at the scene.

The EMS System's information is provided in two categories:

- * All emergent "Lights and Sirens" dispatched events
- * Only Acute Cardiac Care Patients

Comparison data provided for similar EMS Systems and the state are based on all emergent "Lights and Sirens" dispatched events.

Data Elements which are required for this table and chart include:

- * E02_04: Type of Service Requested
- * E02_20: Response Mode to Scene
- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_05: PSAP Call Date/Time
- * E05_06: Unit Arrived on Scene Date/Time

Your System belongs to Urban group

EMS System Total Response Time

SAMPLE

6/1/2010 - 11/30/2010

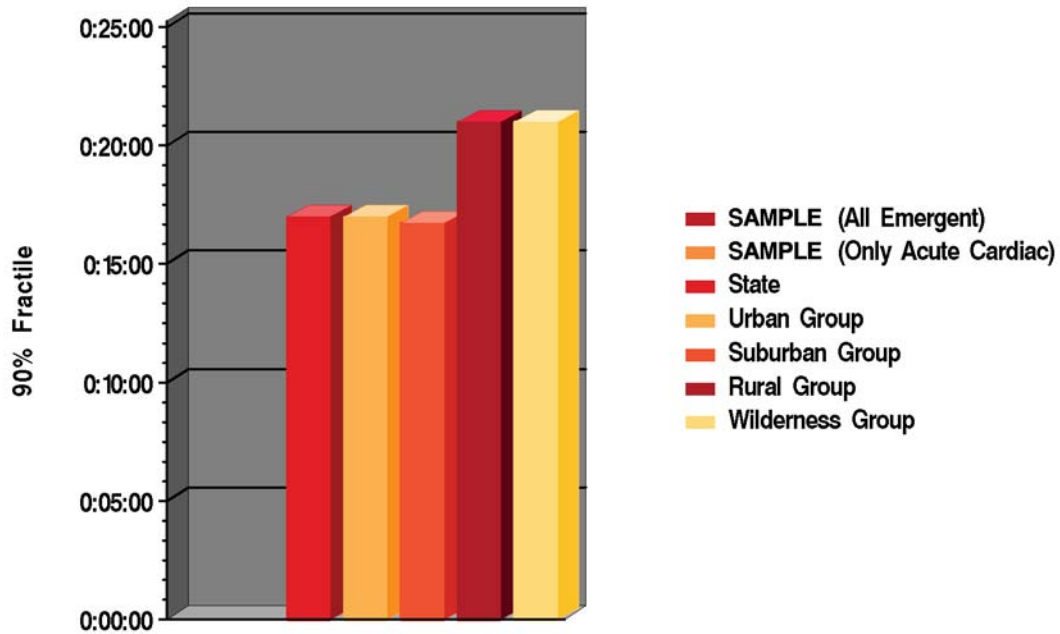
System	Events (n)	Min Value	Max Value	Avg Value	90% Fractile	Std Deviation
EMS System (All Emergent)	0	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00
EMS System (Acute Cardiac)	0	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00
State	228,357	0:00:00	1:59:00	0:10:24	0:17:00	0:06:13
Urban Group	141,555	0:00:00	1:59:00	0:10:23	0:17:00	0:05:55
Suburban Group	59,977	0:00:00	1:58:00	0:09:57	0:16:44	0:05:52
Rural Group	19,281	0:00:00	1:50:00	0:11:31	0:21:00	0:08:12
Wilderness Group	7,544	0:00:00	1:47:35	0:11:16	0:21:00	0:07:36

Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

Analysis of EMS System Total Response Time

6/1/2010 - 11/30/2010



Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

E5. EMS System Scene Time

The following table describes the EMS System's Scene Time. The EMS System Scene Time is defined as the time beginning with the EMS Unit arriving at the scene until the EMS Unit leaves the scene with the patient en route to the destination.

The EMS System's information is provided in two categories:

- * All emergent "Lights and Sirens" transport events
- * Only Acute Stroke Care Patients

Comparison data provided for similar EMS Systems and the state are based on all emergent "Lights and Sirens" transported events.

Data Elements which are required for this table and chart include:

- * E02_04: Type of Service Requested
- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_06: Unit Arrived on Scene Date/Time
- * E05_09: Unit Left Scene Date/Time
- * E20_14: Transport Mode from Scene

Your System belongs to Urban group

EMS System Scene Time

SAMPLE

6/1/2010 - 11/30/2010

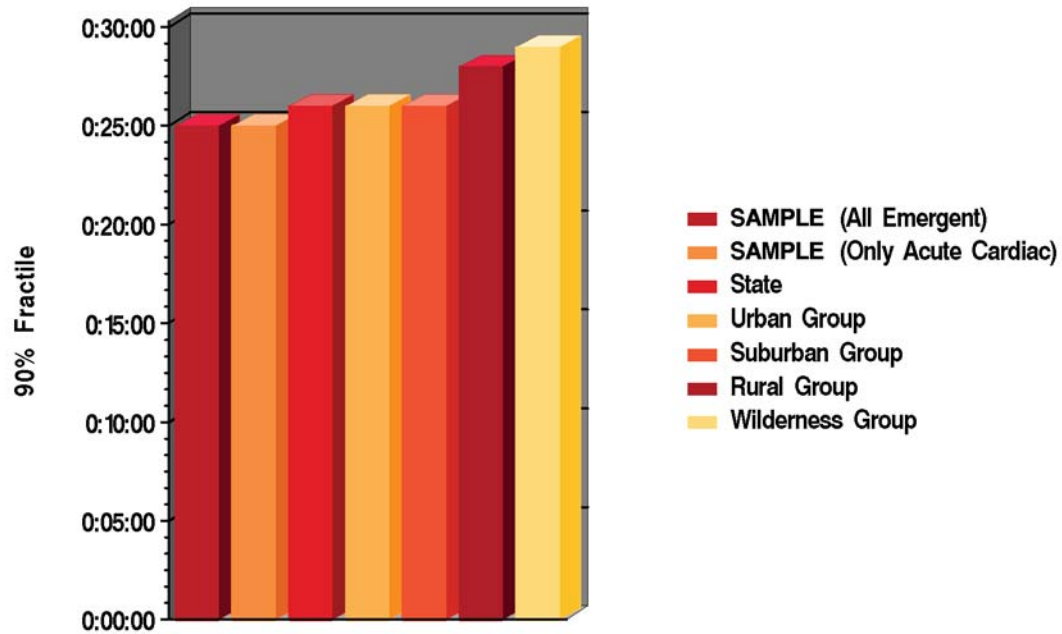
System	Events (n)	Min Value	Max Value	Avg Value	90% Fractile	Std Deviation
EMS System (All Emergent)	202	0:00:00	0:48:00	0:17:03	0:25:00	0:06:52
EMS System (Acute Cardiac)	621	0:00:00	0:51:00	0:18:17	0:25:00	0:06:12
State	256,240	0:00:00	2:00:00	0:15:59	0:26:00	0:09:20
Urban Group	147,461	0:00:00	2:00:00	0:15:49	0:26:00	0:09:06
Suburban Group	69,274	0:00:00	1:59:00	0:15:57	0:26:00	0:09:10
Rural Group	30,172	0:00:00	2:00:00	0:16:25	0:28:00	0:10:18
Wilderness Group	9,333	0:00:00	1:58:00	0:17:49	0:29:00	0:10:31

Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

Analysis of EMS System Scene Time

6/1/2010 - 11/30/2010



Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

E6. EMS System Transport Time

The following table describes the EMS System's Transport Time. The Transport Time is defined as the time beginning with the EMS Unit leaving the scene with the patient until the patient arrives at the destination.

The EMS System's information is provided in two categories:

- * All emergent "Lights and Sirens" transport events
- * Only Acute Cardiac Care Patients

Comparison data provided for similar EMS Systems and the state are based on all emergent "Lights and Sirens" transported events.

Data Elements which are required for this table and chart include:

- * E02_04: Type of Service Requested
- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_09: Unit Left Scene Date/Time
- * E05_10: Patient Arrived at Destination Date/Time
- * E20_14: Transport Mode from Scene

Your System belongs to Urban group

EMS System Transport Time

SAMPLE

6/1/2010 - 11/30/2010

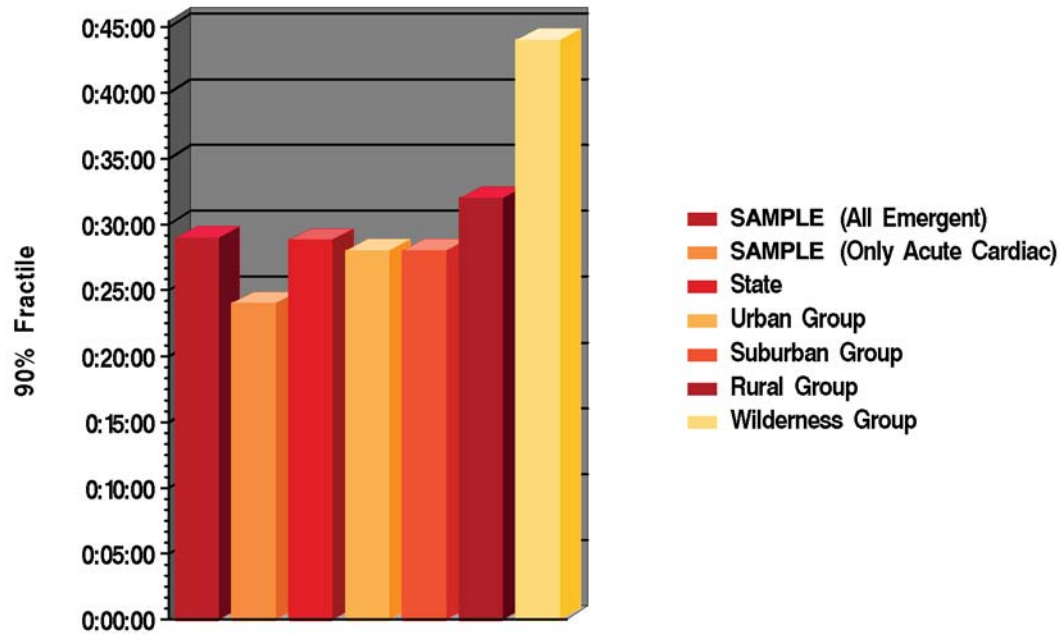
System	Events (n)	Min Value	Max Value	Avg Value	90% Fractile	Std Deviation
EMS System (All Emergent)	203	0:00:00	0:43:00	0:16:21	0:29:00	0:09:53
EMS System (Acute Cardiac)	623	0:00:00	1:26:00	0:13:03	0:24:00	0:08:34
State	359,172	0:00:00	2:00:00	0:15:28	0:28:49	0:11:12
Urban Group	224,044	0:00:00	2:00:00	0:15:34	0:28:00	0:10:17
Suburban Group	86,017	0:00:00	2:00:00	0:14:05	0:28:00	0:11:11
Rural Group	35,523	0:00:00	2:00:00	0:15:52	0:32:00	0:12:50
Wilderness Group	13,588	0:00:00	2:00:00	0:21:17	0:44:00	0:17:27

Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

Analysis of EMS System Transport Time

6/1/2010 - 11/30/2010



Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

E7. EMS System Total Patient Contact Time

The following table describes the EMS System's Total Patient Contact Time. The EMS System Total Patient Contact Time is defined as the time beginning with phone call to the 911 center and ending with the patient's arrival to the hospital destination.

For this analysis only EMS events involving Acute Cardiac Care Patients were used.

Data Elements which are required for this table and chart include:

- * E02_04: Type of Service Requested
- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_09: Unit Left Scene Date/Time
- * E05_10: Patient Arrived at Destination Date/Time
- * E20_14: Transport Mode from Scene

Your System belongs to Urban group

EMS System Total Patient Contact Time

SAMPLE

6/1/2010 - 11/30/2010

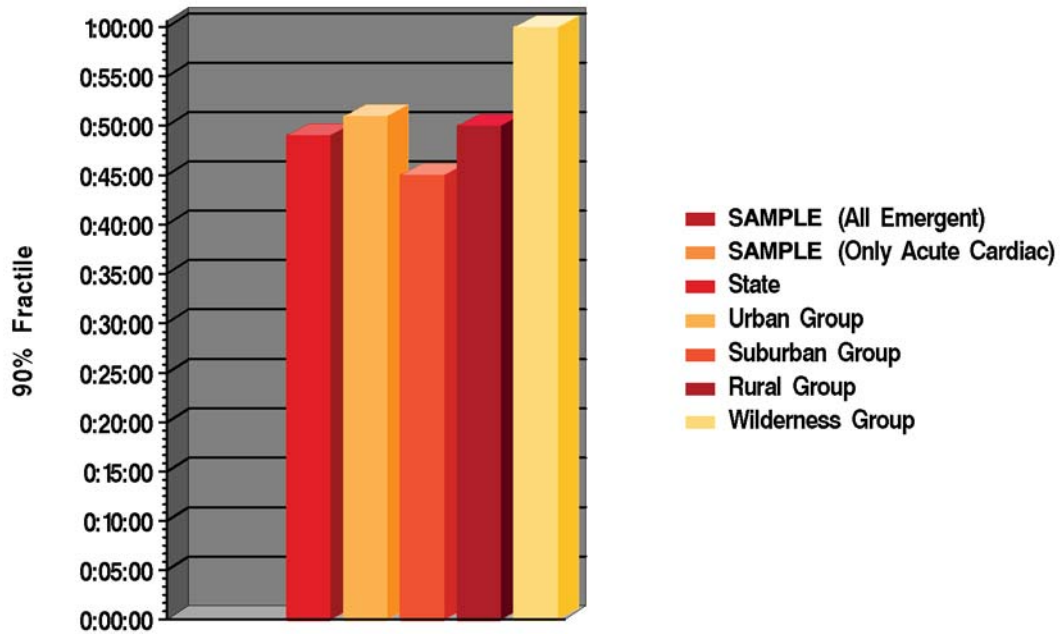
System	Events (n)	Min Value	Max Value	Avg Value	90% Fractile	Std Deviation
EMS System (All Emergent)	0	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00
EMS System (Acute Cardiac)	0	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00
State	36,331	0:00:00	2:00:00	0:30:38	0:49:00	0:14:20
Urban Group	12,944	0:00:00	1:55:00	0:32:30	0:51:00	0:13:56
Suburban Group	15,063	0:00:00	1:59:00	0:27:40	0:45:00	0:13:09
Rural Group	5,818	0:00:00	2:00:00	0:31:18	0:50:00	0:15:08
Wilderness Group	2,506	0:00:00	2:00:00	0:37:24	1:00:00	0:17:00

Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

Analysis of EMS System Total Patient Contact Time

6/1/2010 - 11/30/2010



Times are formatted hh:mm:ss (hours: minutes: seconds)

* State and Group data represents All Emergent records over the last 6 months.

E8. EMS System Response Delays

The following table describes the EMS System's Response Delays documented for the EMS Toolkit date range. For this analysis only EMS events involving Acute Cardiac Care Patients were used.

Data Elements which are required for this table and chart include:

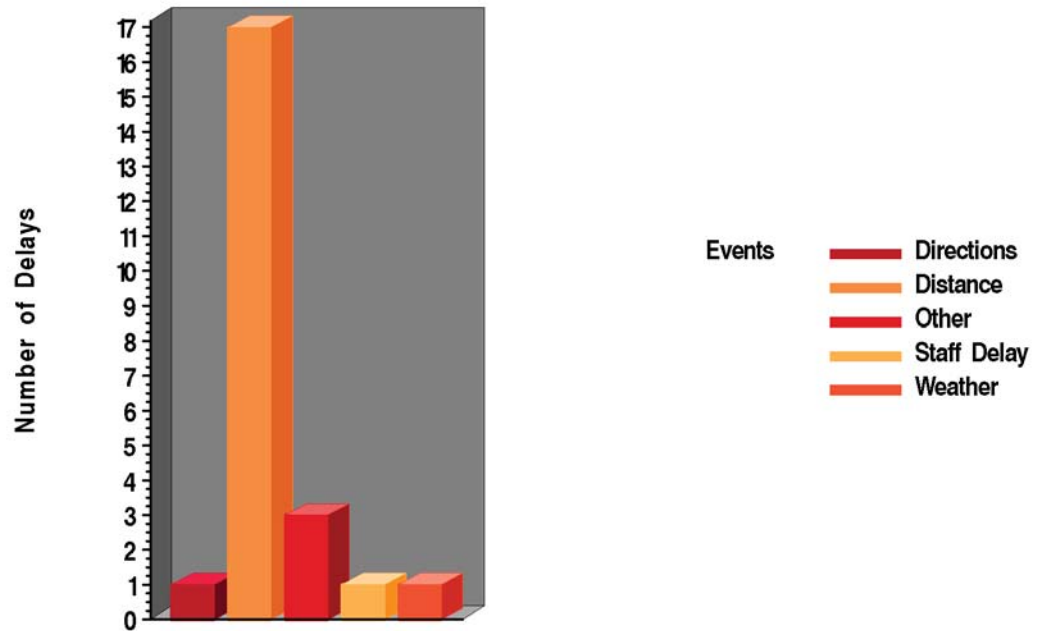
- * E05_04: Unit Notified by Dispatch Date/Time
- * E02_07: Type of Response Delay

EMS System Response Delays**SAMPLE****6/1/2010 - 11/30/2010**

Events	Number Of Delays	Percentage Of Total EMS Responses
Directions	1	<1%
Staff Delay	1	<1%
Weather	1	<1%
Other	3	<1%
Distance	17	2.5 %
Total Events With Delays	23	3.3 %

EMS System Response Delays

6/1/2010 - 11/30/2010



E9. EMS System Scene Delays

The following table describes the EMS System's Scene Delays documented for the EMS Toolkit date range. For this analysis only EMS events involving Acute Cardiac Care Patients were used.

Data Elements which are required for this table and chart include:

- * E05_04: Unit Notified by Dispatch Date/Time
- * E02_07: Type of Scene Delay

EMS System Scene Delays

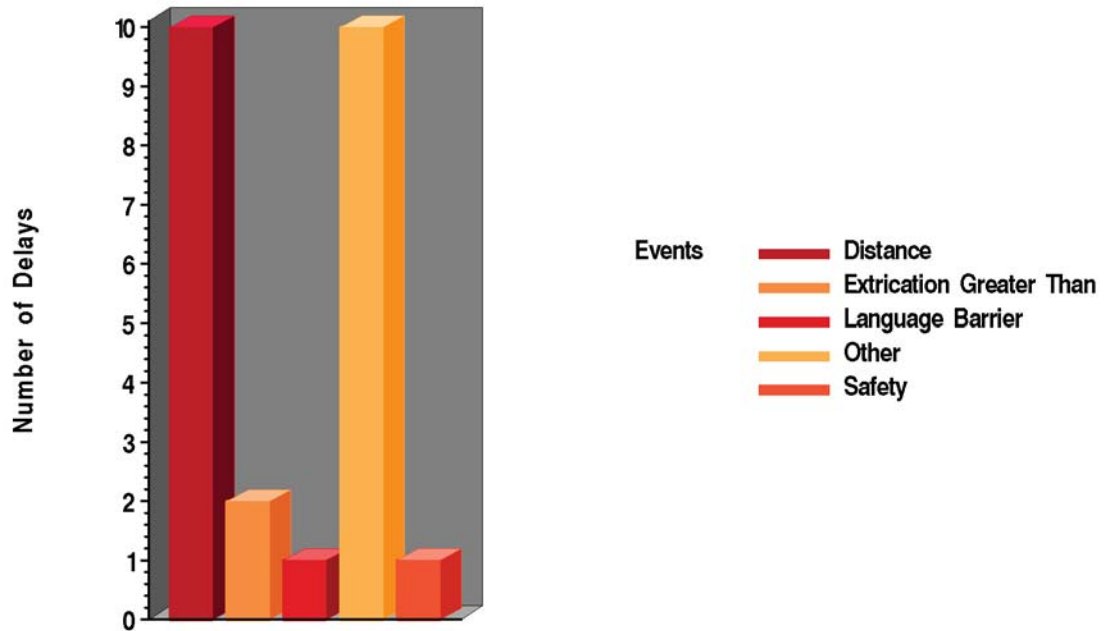
SAMPLE

6/1/2010 - 11/30/2010

Events	Number Of Delays	Percentage Of Total EMS Responses
Language Barrier	1	<1%
Safety	1	<1%
Extrication Greater Than	2	<1%
Distance	10	1.5 %
Other	10	1.5 %
Total Events With Delays	24	3.5 %

EMS System Scene Delays

6/1/2010 - 11/30/2010



E10. EMS System Transport Delays

The following table describes the EMS System's Transport Delays documented for the EMS Toolkit date range. For this analysis only EMS events involving Acute Cardiac Care Patients were used.

Data Elements which are required for this table and chart include:

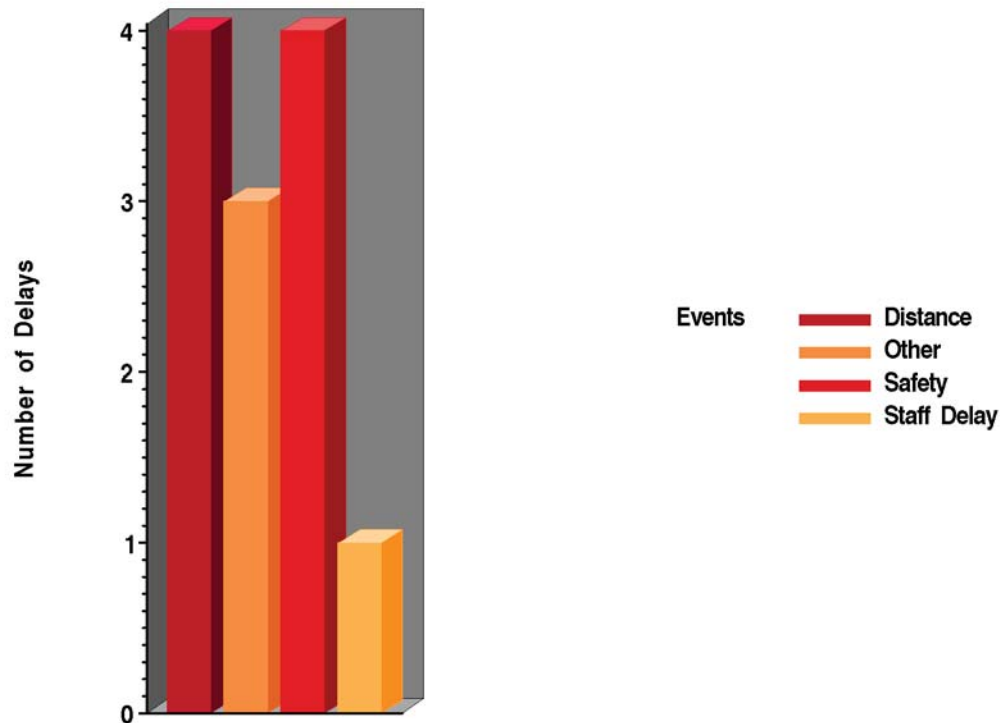
- * E05_04: Unit Notified by Dispatch Date/Time
- * E02_07: Type of Transport Delay

EMS System Transport Delays**SAMPLE****6/1/2010 - 11/30/2010**

Events	Number Of Delays	Percentage Of Total EMS Responses
Staff Delay	1	<1%
Other	3	<1%
Distance	4	<1%
Safety	4	<1%
Total Events With Delays	12	1.7 %

EMS System Transport Delays

6/1/2010 - 11/30/2010



Section F: EMS Personnel and System Performance

Purpose:

This section will evaluate and analyze EMS personnel performance related to the key procedures and treatment associated with the care of an acute cardiac patient. Each EMS System's performance on these same procedures is also analyzed and compared to the state.

Procedures and Treatment critical to quality acute cardiac care include:

- * Documentation of History, Onset of Symptoms, Vital Signs, and Exam
- * Obtaining a 12 lead ECG
- * Administration of Aspirin
- * Documentation of the Thrombolytic Screen
- * Scene Time of less than 15 minutes
- * Documentation of Pain using the Pain Scale

EMS Personnel Documentation

The following table describes the EMS System's Personnel Documentation of service delivery and patient care. This information is based on the completeness of each EMS patient care report for each Acute Cardiac Patient cared for during the EMS Toolkit data range. As each EMS record is processed into the database, it is given a score based on how accurate and complete the record has been documented. The lower the Documentation Score the better the documentation.

Data Elements which are required for this table and chart include:

- * E05_04: Unit Notified by Dispatch Date/Time
- * E06_14: Age
- * E06_15: Age Units
- * E14_03: Cardiac Rhythm
- * E17_01: Protocols Used
- * E18_03: Medication Given
- * E09_01: Prior Aid
- * E19_03: Procedure
- * E20_10: Incident/Patient Disposition
- * E23_10: Who Generated this Report
- * PreMIS Version 2 Data Score

EMS Personnel Acute Cardiac Care Documentation Score

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Number of Records	Average Score
EMS System Average	688	0.2
State Average	52517	4.4
P000000	22	0.1
P000000	12	0.2
P000000	7	0.0
P000000	35	0.8
P000000	1	3.0
P000000	19	0.2
P000000	15	0.2
P000000	2	0.0
P000000	6	1.1
P000000	10	0.1
P000000	14	0.1
P000000	2	0.0
P000000	40	0.0
P000000	15	0.4
P000000	11	0.0
P000000	5	0.0
P000000	9	0.2
P000000	17	0.1
P000000	6	0.0
P000000	13	0.0
P000000	18	0.1
P000000	6	0.1
P000000	11	0.0
P000000	8	0.3
P000000	40	0.4
P000000	7	0.1
P000000	16	0.1

Personnel ID	Number of Records	Average Score
P000000	13	0.0
P000000	15	0.0
P000000	10	0.3
P000000	32	0.3
P000000	15	0.0
P000000	10	0.0
P000000	12	0.6
P000000	19	0.1
P000000	12	0.2
P000000	12	0.1
P000000	15	0.4
P000000	30	0.3
P000000	19	0.2
P000000	28	0.3
P000000	2	0.0
P000000	19	0.1
P000000	42	0.0
P000000	9	0.0
P000000	7	0.0

* Shaded Gray if the Data Quality Score is worse (higher numbers are worse) than the EMS System or state scores

EMS Personnel and System Protocol Compliance

The following table describes the EMS System's Personnel Protocol Compliance based on an evaluation of all Acute Cardiac Patients identified for the Toolkit date range. Although an EMS Toolkit cannot determine if a skill was required by the patient or performed correctly, the following describes the percentage of Acute Cardiac Patients which received the recommended procedures and treatment.

Data Elements which are required for this table and chart include:

- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_06: Unit Arrived on Scene Date/Time
- * E05_09: Unit Left Scene Date/Time
- * E06_14: Age
- * E06_15: Age Units
- * E09_06: Duration of Chief Complaint
- * E14_03: Cardiac Rhythm
- * E14_23: Pain Scale
- * E14_25: Thrombolytic Screen
- * E17_01: Protocols Used
- * E18_03: Medication Given
- * E18_09: Medication Crew Member ID
- * E09_01: Prior Aid
- * E19_03: Procedure
- * E19_05: Number of Procedure Attempts
- * E19_06: Procedure Successful
- * E19_09: Procedure Crew Member ID
- * E20_10: Incident/Patient Disposition
- * E23_10: Who Generated this Report

EMS Acute Cardiac Care Toolkit

EMS Personnel and System Acute Cardiac Care Protocol Compliance

SAMPLE

6/1/2010 - 11/30/2010

Personnel ID	Patients	12 Lead ECG	Aspirin Administration	Thrombolytic Screen	Scene Time of <15 minutes	Documentation of Symptom Onset	Documentation of Pain Scale
P000000	22	22	8	1	0	22	8
		(100%)	(36%)	(5%)	(0%)	(100%)	(36%)
P000000	12	12	4	0	0	12	2
		(100%)	(33%)	(0%)	(0%)	(100%)	(17%)
P000000	7	7	1	0	0	7	2
		(100%)	(14%)	(0%)	(0%)	(100%)	(29%)
P000000	35	35	4	1	0	35	14
		(100%)	(11%)	(3%)	(0%)	(100%)	(40%)
P000000	1	1	0	0	0	1	1
		(100%)	(0%)	(0%)	(0%)	(100%)	(100%)
P000000	19	19	6	0	0	19	7
		(100%)	(32%)	(0%)	(0%)	(100%)	(37%)
P000000	15	15	5	0	0	15	5
		(100%)	(33%)	(0%)	(0%)	(100%)	(33%)
P000000	2	2	0	0	0	2	0
		(100%)	(0%)	(0%)	(0%)	(100%)	(0%)
P000000	6	6	2	0	0	6	0
		(100%)	(33%)	(0%)	(0%)	(100%)	(0%)
P000000	10	10	4	0	0	10	1
		(100%)	(40%)	(0%)	(0%)	(100%)	(10%)

EMS Acute Cardiac Care Toolkit

Personnel ID	Patients	12 Lead ECG	Aspirin Administration	Thrombolytic Screen	Scene Time of <15 minutes	Documentation of Symptom Onset	Documentation of Pain Scale
P000000	14	14	5	0	0	14	6
		(100%)	(36%)	(0%)	(0%)	(100%)	(43%)
P000000	2	2	1	0	0	2	1
		(100%)	(50%)	(0%)	(0%)	(100%)	(50%)
P000000	40	40	7	0	0	40	9
		(100%)	(18%)	(0%)	(0%)	(100%)	(23%)
P000000	15	15	4	0	0	15	8
		(100%)	(27%)	(0%)	(0%)	(100%)	(53%)
P000000	11	11	1	0	0	11	0
		(100%)	(9%)	(0%)	(0%)	(100%)	(0%)
P000000	5	5	2	0	0	5	0
		(100%)	(40%)	(0%)	(0%)	(100%)	(0%)
P000000	9	9	4	0	0	9	6
		(100%)	(44%)	(0%)	(0%)	(100%)	(67%)
P000000	17	17	5	0	0	17	6
		(100%)	(29%)	(0%)	(0%)	(100%)	(35%)
P000000	6	6	2	0	0	6	1
		(100%)	(33%)	(0%)	(0%)	(100%)	(17%)
P000000	13	13	4	0	0	13	3
		(100%)	(31%)	(0%)	(0%)	(100%)	(23%)
P000000	18	18	9	0	0	18	8
		(100%)	(50%)	(0%)	(0%)	(100%)	(44%)
P000000	6	6	1	0	0	6	1
		(100%)	(17%)	(0%)	(0%)	(100%)	(17%)
P000000	11	11	1	0	0	11	0

EMS Acute Cardiac Care Toolkit

Personnel ID	Patients	12 Lead ECG	Aspirin Administration	Thrombolytic Screen	Scene Time of <15 minutes	Documentation of Symptom Onset	Documentation of Pain Scale
		(100%)	(9%)	(0%)	(0%)	(100%)	(0%)
P000000	8	8	2	0	0	8	4
		(100%)	(25%)	(0%)	(0%)	(100%)	(50%)
P000000	40	40	4	0	0	40	8
		(100%)	(10%)	(0%)	(0%)	(100%)	(20%)
P000000	7	7	3	0	0	7	5
		(100%)	(43%)	(0%)	(0%)	(100%)	(71%)
P000000	16	16	3	0	0	16	8
		(100%)	(19%)	(0%)	(0%)	(100%)	(50%)
P000000	13	13	2	0	0	13	0
		(100%)	(15%)	(0%)	(0%)	(100%)	(0%)
P000000	15	15	3	0	0	15	4
		(100%)	(20%)	(0%)	(0%)	(100%)	(27%)
P000000	10	10	3	0	0	10	3
		(100%)	(30%)	(0%)	(0%)	(100%)	(30%)
P000000	32	32	5	0	0	32	11
		(100%)	(16%)	(0%)	(0%)	(100%)	(34%)
P000000	15	15	4	0	0	15	4
		(100%)	(27%)	(0%)	(0%)	(100%)	(27%)
P000000	10	10	1	0	0	10	1
		(100%)	(10%)	(0%)	(0%)	(100%)	(10%)
P000000	12	12	3	0	0	12	5
		(100%)	(25%)	(0%)	(0%)	(100%)	(42%)
P000000	19	19	6	0	0	19	9
		(100%)	(32%)	(0%)	(0%)	(100%)	(47%)

EMS Acute Cardiac Care Toolkit

Personnel ID	Patients	12 Lead ECG	Aspirin Administration	Thrombolytic Screen	Scene Time of <15 minutes	Documentation of Symptom Onset	Documentation of Pain Scale
P000000	12	12	2	0	0	12	2
		(100%)	(17%)	(0%)	(0%)	(100%)	(17%)
P000000	12	12	3	0	0	12	0
		(100%)	(25%)	(0%)	(0%)	(100%)	(0%)
P000000	15	15	4	0	0	15	5
		(100%)	(27%)	(0%)	(0%)	(100%)	(33%)
P000000	30	29	1	0	0	30	9
		(97%)	(3%)	(0%)	(0%)	(100%)	(30%)
P000000	19	19	4	0	0	19	10
		(100%)	(21%)	(0%)	(0%)	(100%)	(53%)
P000000	28	28	12	0	0	28	15
		(100%)	(43%)	(0%)	(0%)	(100%)	(54%)
P000000	2	2	0	0	0	2	1
		(100%)	(0%)	(0%)	(0%)	(100%)	(50%)
P000000	19	19	7	0	0	19	10
		(100%)	(37%)	(0%)	(0%)	(100%)	(53%)
P000000	42	42	6	0	0	42	12
		(100%)	(14%)	(0%)	(0%)	(100%)	(29%)
P000000	9	9	1	0	0	9	0
		(100%)	(11%)	(0%)	(0%)	(100%)	(0%)
P000000	7	7	0	0	0	7	1
		(100%)	(0%)	(0%)	(0%)	(100%)	(14%)
EMS System Average	688	687	159	2	0	688	216
		(100%)	(23%)	(0%)	(0%)	(100%)	(31%)
State Average	52517	52283	11012	1370	27388	30367	16136

EMS Acute Cardiac Care Toolkit

Personnel ID	Patients	12 Lead ECG	Aspirin Administration	Thrombolytic Screen	Scene Time of <15 minutes	Documentation of Symptom Onset	Documentation of Pain Scale
		(100%)	(21%)	(3%)	(52%)	(58%)	(31%)

Section G: EMS Patient Outcomes

Purpose:

This section will evaluate and analyze patient care and clinical outcomes associated with the care of the acute cardiac patient. This section will describe the outcome of acute cardiac patients using an evidence based quality improvement template. This section also provides a list of patient records within this EMS Toolkits date range that should be individually reviewed and discussed through the EMS System's Peer Review Committee.

EMS Acute Cardiac Patient Outcome Information

Large clinical trials and EMS peer reviewed literature reveals 4 key interventions within an EMS System which can improve the outcome of acute ST Elevation Myocardial Infarction (STEMI) patients:

- * Obtaining a timely 12 lead ECG to promptly identify a STEMI
- * Administering Aspirin
- * Maintaining EMS scene times to equal to or less than 15 minutes to improve time of symptom onset until definitive intervention (thrombolytics or angioplasty)
- * Transport (with early notification of impending STEMI patient arrival) to a PCI (percutaneous coronary intervention) capable hospital

The first 3 interventions listed above should be documented in PreMIS for each patient and are measurable within this Toolkit. The transport of each STEMI patient to a PCI center with early notification requires an operational plan to be developed within each EMS System. All EMS Systems are encouraged to develop this Plan.

If all 4 of these interventions are completed on each STEMI patient, for every 15 STEMI patients, there will be 1 patient with an improved outcome. This is often referred to as the "Number Needed to Treat" and provides a realistic way for an EMS System to monitor its ability to impact patient outcomes when the EMS System may individually only see a small number of STEMI patients in any given time period.

Data Elements which are required for this section include:

The following data elements are required to complete the analysis in this section:

- * E01_01: Patient Care Report Number
- * E05_04: Unit Notified by Dispatch Date/Time
- * E05_06: Unit Arrived on Scene Date/Time
- * E05_09: Unit Left Scene Date/Time
- * E06_14: Age

- * E06_15: Age Units
- * E14_03: Cardiac Rhythm
- * E17_01: Protocols Used
- * E18_03: Medication Given
- * E09_01: Prior Aid
- * E19_03: Procedure
- * E20_10: Incident/Patient Disposition
- * E22_01: Emergency Department Disposition
- * E22_01: Hospital Disposition

EMS Acute Cardiac Care (STEMI) Plan

Based on information provided at the time this EMS Toolkit was generated, this EMS System describes their EMS Acute Cardiac Care (STEMI) Plan as follows:

Presence of an EMS Acute Cardiac Care (STEMI) Plan: No

The EMS System routinely provides early notification to the receiving hospital prior to arrival at that facility with an Acute Cardiac Care (STEMI) Patient: Yes

Acute Cardiac Care Patient Outcome Information

The following table lists all of the Acute Cardiac Care Patients cared for by the EMS System during the EMS Toolkit date range. Since the EMS Toolkit is unable to determine if all of these patients were truly STEMI patients, all are listed. This list also provides each EMS System with a patient list for EMS peer review functions. It is recommended that each of these patients be reviewed by the EMS Peer Review Committee along with hospital outcome information. Through this review, the EMS Acute Cardiac Care (STEMI) Plan can be evaluated and adjusted to optimize patient care and outcomes.

Acute Cardiac Care Patient Outcome Information

SAMPLE

6/1/2010 - 11/30/2010

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of =<15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	06/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/03/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/01/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/01/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/01/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/01/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/01/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/02/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/04/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/01/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	06/02/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/03/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/04/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/03/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/09/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/10/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/11/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	06/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/06/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/11/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/11/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/13/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/13/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/09/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/12/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/17/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of =<15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	06/02/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/09/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/13/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/14/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/14/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/14/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/17/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/17/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/14/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/15/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/15/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/16/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/19/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of =<15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	06/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/14/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/19/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/15/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/19/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/19/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/18/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/18/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/18/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/21/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of =<15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	06/21/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/22/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/26/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/27/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/27/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/22/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/22/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/23/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/28/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	06/22/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/24/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	06/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/28/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/05/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/03/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/03/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/03/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/03/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/04/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	07/06/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/06/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/10/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/11/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/11/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/12/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/12/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/12/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	07/12/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/01/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/13/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/14/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/19/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/07/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	07/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/07/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/14/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/15/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/17/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/19/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	07/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/20/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/20/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/23/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/18/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/22/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/23/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/23/10	Yes	Yes	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	07/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/26/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/22/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/22/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/26/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/27/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/25/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/27/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	08/01/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/03/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/03/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/28/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/01/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/01/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/03/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/30/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/04/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/30/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/30/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/30/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/31/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/03/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	08/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/04/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/29/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/03/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/04/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/31/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/31/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/31/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/05/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/06/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	08/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/05/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/05/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/06/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/06/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/10/10	Yes	Yes	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	08/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/16/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/16/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/16/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/16/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/16/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	08/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/24/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/13/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/14/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/17/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/13/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/14/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/16/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/19/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/20/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/16/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	07/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/18/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	08/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/20/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/23/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/23/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/19/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/20/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	07/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/14/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/20/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	06/20/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	08/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/24/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/26/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/24/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/20/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/27/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/26/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/21/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	08/21/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/28/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/29/10	No	No	No	Not Recorded	Not Recorded
0000000	08/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/22/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/22/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/30/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/30/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/30/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/30/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/31/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/31/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	08/31/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/31/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/31/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/31/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/31/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	08/31/10	Yes	No	No	Not Recorded	Not Recorded
0000000	08/31/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/01/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/01/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/02/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/01/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/01/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/03/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/03/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/03/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/02/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/01/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/04/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/05/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	09/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/03/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/04/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/05/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	10/05/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/06/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/07/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/09/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	09/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/07/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/08/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/09/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/10/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/10/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/10/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/11/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/11/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/12/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/12/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/11/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	Yes	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	09/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/11/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/16/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/17/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/12/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/17/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/17/10	Yes	Yes	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of =<15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	09/17/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/17/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/15/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/20/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/21/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/13/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/14/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/18/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/19/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/23/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/23/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	09/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/23/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/20/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/25/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/20/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/25/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/21/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/26/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/26/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/27/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/21/10	Yes	No	No	Not Recorded	Not Recorded

EMS Acute Cardiac Care Toolkit

Patient PCR Number	Date of Care	12 Lead ECG Obtained	Aspirin Given	Scene Time of ≤15 minutes	Emergency Dept. Disposition	Hospital Disposition
0000000	09/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/22/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/22/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/22/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/24/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/28/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/21/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/29/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/30/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/30/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/30/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/30/10	Yes	Yes	No	Not Recorded	Not Recorded
0000000	09/30/10	Yes	No	No	Not Recorded	Not Recorded
0000000	10/01/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/29/10	Yes	No	No	Not Recorded	Not Recorded
0000000	09/30/10	Yes	No	No	Not Recorded	Not Recorded
0000000	10/01/10	Yes	No	No	Not Recorded	Not Recorded

Base on the information provided a total of **688** Acute Cardiac Patients were treated by the EMS System during this Toolkit Date Range.

Please note that included in the above mentioned patients, **688** of these have no Disposition data during this Toolkit Date Range.

A total of **0 (0%)** of these patients received all three interventions (12 Lead ECG, Aspirin, and a Scene Time of <15 minutes).

Section H: Community Education and Prevention

Purpose:

This section will evaluate and analyze the EMS System's involvement and participation in community education and prevention initiatives related to heart disease. Information provided for this section was collected when the EMS Acute Cardiac Care Toolkit was generated.

EMS System Workforce Health Education

It is important for each EMS System to participate in community programs which promote health and well-being. Often the best place to start is an area often neglected: the EMS workforce.

Based on information provided at the time this EMS Toolkit was generated, this EMS System has developed and implemented an EMS Workforce Health and Safety Program which addresses cardiovascular fitness, risk factors, and health as follows:

EMS Workforce Health and Safety Program is in place: No

EMS System Disposition Instructions

EMS cares for patients with a multitude of medical illnesses and traumatic injuries. Patients cared for by EMS Systems often do not obtain regular healthcare services or maintain a relationship with a personal physician. One way EMS can impact the health of the community in a very targeted way is to provide healthcare information based on cardiac risk factors identified during an EMS patient care event.

Based on information provided at the time this EMS Toolkit was generated, this EMS System has developed and implemented EMS Patient Disposition Instructions which provide feedback and information to EMS patients based on healthcare risk factors identified during the EMS patient care event, as follows:

EMS Patient Disposition Instructions in use: No