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# **NEMSIS**

## **Data Dictionary**

**NHTSA v3.4.0**  
**Build 160713 Critical Patch 2**

# **EMS Data Standard**

# **National Elements**

# **Only**

**Version Date: July 13, 2016**

Funded by  
**National Highway Traffic Safety Administration (NHTSA)**  
**Office of Emergency Medical Services**

[www.NEMSIS.org](http://www.NEMSIS.org)

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# NEMSIS Data Dictionary Version 3.4.0

## NEMSIS Overview and Summary

The NEMSIS data dictionary was developed through a collaborative effort with the EMS industry including: web-based reviews, public comment periods, focus groups, industry dialogue, topic focused projects, and consensus. The National EMS Information System Version 3 represents a major revision from version 2 released in 2005. Adopting a broad perspective, the initiative to move to a 3rd version of the NEMSIS data dictionary was fueled by the need to improve data quality, enhance our ability to assess EMS performance, augment the flexibility of the standard for state adoption and, to move the NEMSIS standard into the Health Level 7 (HL7) organization for approval as an American National Standards Institute (ANSI) standard.

### NEMSIS Version 3 Element Configuration from v2.2.1

NEMSIS NHTSA Uniform PreHospital Dataset	Version 2.2.1	Version 3.3.4	Version 3.4.0
<b>Demographic (Agency) NEMSIS Version 3 Data Elements</b>	<b>110 (26%)</b>	<b>155 (27%)</b>	<b>157</b>
Existing (version 2.2.1)	88 (80%)	87 (56%)	87 (55.5%)
New		68 (44%)	70 (44.5%)
Retired	22 (20%)		
<b>EMS (ePCR) NEMSIS Version 3 Data Elements</b>	<b>315 (74%)</b>	<b>423 (73%)</b>	<b>428</b>
Existing (version 2.2.1)	258 (82%)	260 (61%)	258 (60%)
New		165 (39%)	170 (40%)
Retired	57 (18%)		2
<b>Overall Total NEMSIS Version 3 Data Elements</b>	<b>425</b>	<b>578</b>	<b>585</b>
Existing (version 2.2.1)	346 (81%)	347 (60%)	345 (59%)
New		232 (40%)	240 (41%)
Retired	79 (19%)		2

### NEMSIS Version 3 Element Configuration

Total Elements including the Custom Elements: 585

Excluding the Demographic and EMS (ePCR) Custom Elements: 561

<b>Total National Elements</b>	<b>165</b>	<b>Total State Elements</b>	<b>104</b>	<b>Total "Other" Element</b>	<b>316</b>
Mandatory	37	Recommended	83	Excluding the custom elements	292
Required	128	Optional	21	Demographic (Agency) Elements	90
<b>Demographic (Agency) Elements</b>	<b>35</b>	<b>Demographic (Agency) Elements</b>	<b>32</b>	Excluding the custom elements	78
Mandatory	22	Recommended	32	<b>EMS (ePCR) Elements</b>	<b>226</b>
Required	13	Optional	0	Excluding the custom elements	214
<b>EMS (ePCR) Elements</b>	<b>130</b>	<b>EMS (ePCR) Elements</b>	<b>72</b>		
Mandatory	15	Recommended	51		
Required	115	Optional	21		

### NEMSIS Version 3.4.0 Data Dictionary Content

\*\*Note: The numbers to the right of the content listed below represent the location for each element on the Sample Page of the Data Dictionary (page vi).

#### Data Element Number (#1)

The NEMSIS Version 3 element numbering system has been revised to improve the information that can be derived from just the data element number. An example of a data element number is dAgency.01.

- The data element number begins with either a "d" representing the demographic (agency) section or an "e" representing the EMS PCR section.
- A one word descriptor for each section is now included in the data element number.

- A period separates the section (e.g. dAgency) from the data element number (e.g. 01).

### **Data Element Name (#3)**

The name for the data element.

### **National and State Element Indicator (#2, #5, #6)**

National = Yes, is an indication that the data element is required to be collected:

- at the local EMS agency level and submitted to the state

State = Yes, is an indication that the data element is recommended to be collected at the "State" level.

### **Data Element Definition (#4)**

The definition for the data element.

### **Version 2 Number (#7)**

The NEMSIS Version 2.2.1 Data Element Number.

If the Data Element is new to Version 3.4.0, the Version 2 Number will be blank.

### **Data Structure Information**

#### **Recurrence (#12)**

- Indication that the data element can have more than one value.

Represented by two characters separated by a colon. The configuration includes:

0:1 = element is not required and can occur only once

0:M = element is not required and can repeat multiple times

1:1 = element is required and can occur only once

1:M = element is required and can repeat multiple times

#### **Usage (#8)**

- Indication of when the data element is expected to be collected.

Mandatory = Must be completed and does not allow for NOT values

Required = Must be completed and allows NOT values

Recommended = Does not need to be completed and allows NOT values

Optional = Does not need to be completed and does not allow for NOT values

#### **NOT Value Characteristics (#10)**

- Indication that the data element can have NOT values.
- NOT Values are used (where permitted) to document that a data element was not applicable to the EMS response / request for service, was not or could not be completed.
- NOT Values are documented as "an attribute" of an element. It allows the documentation of NOT value when a "real" value is not documented. (*Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Null.*)

#### **NOT Values Accepted (#14)**

- Indication of which of the following three NOT values is acceptable.
- Not all data elements accept NOT values.
- NOT Values have been condensed in Version 3.
  - Not Applicable = *The data element is not applicable or pertinent to the EMS event.*
  - Not Recorded = *The data element is considered applicable to the EMS event, but was left blank. The EMS software should auto-populate it with*

*"Not Recorded".*

*Not Reporting = The data element is not collected by the EMS agency or state. This NOT value does not apply to National elements where "Usage = Required".*

#### **Pertinent Negative Values (PN) (#9, #14)**

- A list of Pertinent Negative Values which can be associated with a data element.
- Not all data elements accept Pertinent Negative Values.
- Pertinent Negative Values are documented as "an attribute" of an element. It allows the documentation of pertinent negative value in addition to the documentation of a "real" value. *(Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Null.)*
- Example of use:

Example #1 - Aspirin Administration:

If the medication Aspirin is part of the agency protocol for Chest Pain but was not administered by the responding crew, the reason why should be documented. This is done through the use of Pertinent Negative Values. If the patient took the Aspirin prior to the EMS arrival on scene, the value "Medication Already Taken" should be documented in addition to "Aspirin".

#### **Is Nillable (#11)**

- Indication that the element can accept a "blank" value.
- If the element is left "blank" the software must submit an appropriate value of one of the two attributes: Pertinent Negative or NOT Values.

#### **Associated Performance Measure Initiatives (#13)**

Indication that the data element has value in describing, defining, or measuring EMS from a performance perspective. Performance Measures can be associated with EMS service delivery, patient care, or both. The following service delivery or time dependent illness/injury performance measure topics have been included in NEMSIS Version 3:

- Airway - Airway Management
- Cardiac Arrest - Out of Hospital Cardiac Arrest
- Pediatric - Acute Pediatric Care
- Response - EMS Response Time
- STEMI - ST Elevation Myocardial Infarction (STEMI)
- Stroke - Acute Stroke Care
- Trauma - Acute Injury/Trauma Care

#### **Attributes (#14)**

An attribute provides extra information within an element. For information related to the first three attributes please see the NEMSIS document 'How to Utilize NEMSIS V3 "NOT values/pertinent negatives/nillable"'. The following are possible attributes:

- PN (Pertinent Negative)
  - 8801001 - Contraindication Noted
  - 8801003 - Denied By Order
  - 8801005 - Exam Finding Not Present
  - 8801007 - Medication Allergy
  - 8801009 - Medication Already Taken
  - 8801013 - No Known Drug Allergy
  - 8801015 - None Reported
  - 8801017 - Not Performed by EMS
  - 8801019 - Refused

8801021 - Unresponsive  
8801023 - Unable to Complete

- NV (Not Value)
  - 7701001 - Not Applicable
  - 7701003 - Not Recorded
  - 7701005 - Not Reporting
- Nillable xsi:nil="true"
- Code Type
  - 3001001 = No
  - 3001003 = Yes, Prior to EMS Arrival
  - 3001005 = Yes, After EMS Arrival
- CorrelationID
  - Data Type = String
  - minLength = 0
  - maxLength = 255
- DistanceUnit
  - 9921001 - Kilometers
  - 9921003 - Miles
- EmailAddressType
  - 9904001 - Personal
  - 9904003 - Work
- nemsisCode
  - Data Type = String
- nemsisElement
  - Data Type = String
- nemsisValueDescription
  - Data Type = String
- PhoneNumberType
  - 9913001 - Fax
  - 9913003 - Home
  - 9913005 - Mobile
  - 9913007 - Pager
  - 9913009 - Work
- ProcedureGroupCorrelationID
  - Date Type = CorrelationID
- StreetAddress2
  - Data Type = String
  - minLength = 1
  - maxLength = 255

- **TIMESTAMP**  
Data Type = DateTime  
minValue = 1950-01-01T00:00:00-00:00  
maxValue = 2050-01-01T00:00:00-00:00
- **VelocityUnit**  
9921001 - Kilometers per Hour  
9921003 - Miles per Hour

### **Code List (#16)**

A list of values associated with the data element. Not all data elements have predefined value sets.

Codes for each value:

- The codes are based on a 7-digit number, in a 2-2-3 pattern (without dashes).  
The first set of two numbers represent the data section  
The second set of two numbers represent the element number  
The last set is a 3-digit number for each value beginning at 001; The codes increase in increments of two (2).
- Codes are typically sequential (by two) and alphabetical. Some ordering is provided in an effort to present information based on workflow.
- Several values and codes reference external standards such as ICD-10, RxNorm, SNOMED, etc. NEMSIS will assist in providing a recommended list of EMS specific values and codes from these larger standards for most elements using these external standards.

### **Data Element Editorial Comments (#17)**

Comments are provided to describe additions, changes, clarifications, or provide additional insight into the data element.

### **Version 3 Changes Implemented (#18)**

Comments providing insight into specific Version 3 changes such as new or revised data elements.

### **Element Deprecated (#19)**

Elements that are signified as "deprecated" will be removed from a future version of the NEMSIS standard. Their use should now be avoided, but will be supported until they are removed from the standard.

## **NEMSIS Version 3.4.0 Change Summary**

**NEMSIS Version 3 includes several new types of information to better describe EMS from an industry, workforce, EMS service delivery, and patient care perspective. Examples of new Version 3 content include:**

### **Demographic (Agency) Content**

EMS Agencies can list more than one state in which they offer EMS service delivery.  
EMS Agencies can indicate multiple Agency numbers.  
Multiple EMS Agency contacts can now be managed within the Demographic Section.  
EMS Agency Location and GIS information has been enhanced.  
EMS Professional and Workforce information has been enhanced.

### **EMS (PCR) Content**

EMS Crew level information has been enhanced  
Scene location information has been enhanced to improve geo-coding and location analysis.  
Provider Impression (diagnosis), Symptoms, Cause of Injury, Medical/Surgical History, and Incident Location are now based on ICD-10.  
Procedures are now based on SNOMED.  
Medications are now stored using the RxNorm standard  
Cardiac Arrest information has been enhanced to add focus on CPR and post arrest cooling.  
Automated Collision Notification information has been included.  
The data elements required to document and evaluate the CDC Field Triage Algorithm for trauma have been included.  
Vital Sign and patient monitoring information have been enhanced  
A new section for Laboratory and Diagnostic Imaging results has been added.  
The Exam section has been reconfigured to improve documentation and ease of use.  
Much of the medical device information has been mapped into the vital sign section for direct import via the XML standard.  
Inclusion of electronic signatures and external electronic documents.  
An Airway section has been added to better document and evaluate airway management.  
Improved Work Related Illness and Injury documentation capability.  
Disposition information has been enhanced especially associated with Specialty Centers and time dependent illness/injury Systems of Care.  
EMS Response and Transport Modes have been enhanced to better define emergent, non-emergent, scheduled, and non-scheduled variation.  
Additional EMS Response and Transport Mode Descriptors have been added to allow for documentation of Lights and Sirens Use and Intersection Navigation tools.  
The Payment/Billing section has been greatly expanded to meet current electronic billing requirements.  
Outcome information has been expanded to include additional Emergency Department and Hospital Outcome information (often obtained through linkage).

### **General Improvements**

Version 3 content has focused on objective performance measures to better describe and evaluate EMS service delivery and patient care.  
State level configuration and customized data elements have been enhanced without changing the NEMSIS Version 3 Standard.



## 3 eMedications.01 - Date/Time Medication Administered

## 4 Definition

The date/time medication administered to the patient

5 National Element	Yes	Pertinent Negatives (PN)	Yes	9
6 State Element	Yes	NOT Values	Yes	10
7 Version 2 Element	E18_01	Is Nillable	Yes	11
8 Usage	Required	Recurrence	1 : M	12

## 13 Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## 14 Attributes

**NOT Values**

7701001 - Not Applicable    7701003 - Not Recorded    7701005 - Not Reporting

**Pertinent Negatives**

8801001 - Contraindication Noted    8801003 - Denied By Order    8801007 - Medication Allergy  
8801009 - Medication Already Taken    8801019 - Refused    8801023 - Unable to Complete

**Email Address**

9904001 - Personal    9904003 - Work

**Phone Number**

9913001 - Fax    9913003 - Home    9913005 - Mobile    9913007 - Pager    9913009 - Work

**Current Status**

A - Active    I - Inactive

**Current Status Date**

**Data Type:** DateTime    **minInclusive:** 1950-01-01T00:00:00    **maxInclusive:** 2050-01-01T00:00:00

**Pattern:** [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

**Correlation ID**

**Data Type:** String    **minLength:** 0    **maxLength:** 255

## 15 Constraints

Data Type	minValue	maxValue
dateTime	1950-01-01T00:00:00	2050-01-01T00:00:00

**Pattern**

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## 16 Code List

**Code    Description**

SSEE001 Value A

SSEE003 Value B

SSEE005 Value C

## 17 Data Element Comment

Comments for this element

## 18 Version 3 Changes Implemented

Version 3 Changes implemented for this element

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# DEMDataSet

Legend	Dataset Level:	N National	S State
	Usage:	M = Mandatory , R = Required , E = Recommended, or O = Optional	
	Attributes:	N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID	

DEMDDataSet

1 : M	DemographicReport
1 : 1	dAgency
1 : 1	dConfiguration

DEMDDataSet



# EMSDataset

Legend

Dataset Level:

N

National

S

State

Usage:

M

M = Mandatory

R

R = Required

E

E = Recommended

O

O = Optional

Attributes:

N

N = Not Values

P

P = Pertinent Negatives

L

L = Nillable

C

C = Correlation ID

EMSDDataSet											
1 : M	Header										
1 : 1	DemographicGroup										
	1 : 1	dAgency.01 - EMS Agency Unique State ID							N	S	M
	1 : 1	dAgency.02 - EMS Agency Number							N	S	M
	1 : 1	dAgency.04 - EMS Agency State							N	S	M
	1 : M	PatientCareReport									
	1 : 1	eRecord									
	1 : 1	eResponse									
	1 : 1	eDispatch									
	1 : 1	eTimes									
	1 : 1	ePatient									
	1 : 1	ePayment									
	1 : 1	eScene									
	1 : 1	eSituation									
	1 : 1	eInjury									
	1 : 1	eArrest									
	1 : 1	eHistory									
	1 : 1	eVitals									
	1 : 1	eProtocols									
	1 : 1	eMedications									
	1 : 1	eProcedures									
	1 : 1	eDisposition									
1 : 1	eOutcome										
1 : 1	eOther										
EMSDDataSet											

# dAgency

<b>Legend</b>	Dataset Level: <span style="color: red;">N</span> National <span style="color: orange;">S</span> State <span style="color: purple;">D</span> Deprecated
	Usage: <span style="border: 1px solid black; padding: 0 2px;">M</span> = Mandatory , <span style="border: 1px solid black; padding: 0 2px;">R</span> = Required , <span style="border: 1px solid black; padding: 0 2px;">E</span> = Recommended, or <span style="border: 1px solid black; padding: 0 2px;">O</span> = Optional
	Attributes: <span style="border: 1px solid black; padding: 0 2px;">N</span> = Not Values, <span style="border: 1px solid black; padding: 0 2px;">P</span> = Pertinent Negatives , <span style="border: 1px solid black; padding: 0 2px;">L</span> = Nillable, and/or <span style="border: 1px solid black; padding: 0 2px;">C</span> = Correlation ID

## dAgency

1 : 1	dAgency.01 - EMS Agency Unique State ID	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>
1 : 1	dAgency.02 - EMS Agency Number	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>
1 : 1	dAgency.04 - EMS Agency State	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>
1 : M	dAgency.AgencyServiceGroup			
1 : 1	dAgency.05 - EMS Agency Service Area States	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>
1 : M	dAgency.06 - EMS Agency Service Area County(ies)	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>
1 : M	dAgency.07 - EMS Agency Census Tracts	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span> <span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : M	dAgency.08 - EMS Agency Service Area ZIP Codes	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span> <span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	dAgency.09 - Primary Type of Service	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>
1 : 1	dAgency.11 - Level of Service	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>
1 : 1	dAgency.12 - Organization Status	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>
1 : 1	dAgency.13 - Organizational Type	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>
1 : 1	dAgency.14 - EMS Agency Organizational Tax Status	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>
1 : M	dAgency.AgencyYearGroup			
1 : 1	dAgency.15 - Statistical Calendar Year	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>
1 : 1	dAgency.16 - Total Primary Service Area Size	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span> <span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	dAgency.17 - Total Service Area Population	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span> <span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	dAgency.18 - 911 EMS Call Center Volume per Year	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span> <span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	dAgency.19 - EMS Dispatch Volume per Year	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span> <span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	dAgency.20 - EMS Patient Transport Volume per Year	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span> <span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	dAgency.21 - EMS Patient Contact Volume per Year	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span> <span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : M	dAgency.25 - National Provider Identifier	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span> <span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : M	dAgency.26 - Fire Department ID Number	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span> <span style="border: 1px solid black; padding: 0 2px;">N, L</span>

## dAgency

State

National

## dAgency.01 - EMS Agency Unique State ID

## Definition

The unique ID assigned to the EMS Agency which is associated with all state licensure numbers and information.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

Data Type	minLength	maxLength
string	1	50

## Data Element Comment

This may be the EMS Agency Name or a unique number assigned by the state EMS office. This is required to document multiple license types and numbers associated with the same EMS Agency.

State

National

## dAgency.02 - EMS Agency Number

## Definition

The state-assigned provider number of the responding agency

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_01	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

Data Type	minLength	maxLength
string	1	15

## Data Element Comment

This is the primary identifier for the entire Demographic Section. Each of the Demographic sections must be associated with an EMS Agency Number. An EMS Agency can have more than one Agency Number within a state. This reflects the ability for an EMS Agency to have a different number for each service type or location (based on state implementation). The EMS Agency Number in dAgency.02 can be used to auto-populate eResponse.01 EMS Agency Number in the EMS Event section.

State

National

## dAgency.04 - EMS Agency State

## Definition

The state/territory which assigned the EMS agency number.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_03	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Pattern**

[0-9]{2}

## Data Element Comment

This has been clarified to reflect that it is the state in which the EMS Agency resides and the state associated with the EMS Agency number.

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)

State

National

## dAgency.05 - EMS Agency Service Area States

## Definition

The states in which the EMS Agency provides services including the state associated with the EMS Agency Number.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Constraints

## Pattern

[0-9]{2}

## Data Element Comment

Each state is captured as a group where the EMS agency provides service. The group includes dAgency.05, dAgency.06, dAgency.07, and Agency.08.

Element added to document all of the states in which the EMS agency provides services. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)



State

National

## dAgency.06 - EMS Agency Service Area County(ies)

## Definition

The county(ies) within each state for which the agency formally provides service.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

## Pattern

[0-9]{5}

## Data Element Comment

Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state. County codes are based on ISO/ANSI codes. It is a 5-digit code based on state (2-digit) and county (3-digit).

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)

State

National

## dAgency.07 - EMS Agency Census Tracts

## Definition

The US census tracts in which the EMS agency formally provides service.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

**Pattern**

[0-9]{11}

## Data Element Comment

This data element was added to better document the service area of the EMS Agency. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

The format of the census tract number must be an 11-digit number, based upon the 2010 census, using the pattern:  
2-digit State Code 3-digit County Code 6-digit Census Tract Number (no decimal)

Example: NEMSIS TAC office (UT, Salt Lake County, Census Tract - located at 295 Chipeta Way, Salt Lake City, UT)  
49035101400

Census Tract Data Website (files and descriptions): [http://www.census.gov/geo/maps-data/data/tract\\_rel\\_download.html](http://www.census.gov/geo/maps-data/data/tract_rel_download.html)

State

National

## dAgency.08 - EMS Agency Service Area ZIP Codes

## Definition

The ZIP codes for the EMS Agency's service area.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

[0-9]{5}||[0-9]{5}-[0-9]{4}||[0-9]{5}-[0-9]{5}||[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

## Data Element Comment

This data element was added to better document the service area of the EMS Agency. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

Zip Codes Product Website: <https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/>  
Product: USA - 5-digit ZIP Code Database, Commercial Edition

State

National

## dAgency.09 - Primary Type of Service

## Definition

The primary service type provided by the agency.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_05	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
9920001	911 Response (Scene) with Transport Capability
9920003	911 Response (Scene) without Transport Capability
9920005	Air Medical
9920007	ALS Intercept
9920011	Hazmat
9920013	Medical Transport (Convalescent, Interfacility Transfer Hospital and Nursing Home)
9920015	Rescue
9920017	Community Paramedicine
9920019	Critical Care (Ground)

## Data Element Comment

The Primary Type of Service is associated with each of the EMS Agency Numbers.

State

National

## dAgency.11 - Level of Service

## Definition

The level of service which the agency provides EMS care for every request for service (the minimum certification level). This may be the license level granted by the state EMS office.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_07	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
9917001	2009 Advanced Emergency Medical Technician (AEMT)
9917003	2009 Emergency Medical Responder (EMR)
9917005	2009 Emergency Medical Technician (EMT)
9917007	2009 Paramedic
9917009	First Responder
9917011	EMT-Basic
9917013	EMT-Intermediate
9917015	EMT-Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

## Data Element Comment

The Level of Service is associated with the specific EMS Agency Number (dAgency.02) for the EMS Agency. For example a BLS licensed ambulance service (EMT-Basic) with EMT-Intermediate or EMT-Paramedic on staff, the appropriate level of service is "EMT-Basic". This is because the care provided to patients is limited to BLS skills.

The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

State

National

## dAgency.12 - Organization Status

## Definition

The primary organizational status of the agency. The definition of Volunteer or Non-Volunteer is based on state or local definitions.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_09	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
1016001	Mixed
1016003	Non-Volunteer
1016005	Volunteer

## Data Element Comment

The Organizational Status is associated with the EMS Agency and the specific EMS Agency Number (dAgency.02).

State

National

## dAgency.13 - Organizational Type

## Definition

The organizational structure from which EMS services are delivered (fire, hospital, county, etc.)

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_08	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
9912001	Fire Department
9912003	Governmental, Non-Fire
9912005	Hospital
9912007	Private, Nonhospital
9912009	Tribal

## Data Element Comment

Organizational Type is associated with the EMS Agency and the specific EMS Agency Number (dAgency.02).

State

National

## dAgency.14 - EMS Agency Organizational Tax Status

## Definition

The EMS Agencies business/corporate organizational tax status

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
1018001	For Profit
1018003	Other (e.g., Government)
1018005	Not For Profit

## Data Element Comment

Associated with the EMS Agency for the specific EMS Agency Number (dAgency.02).



State

National

## dAgency.15 - Statistical Calendar Year

## Definition

The calendar year to which the information pertains for the EMS Agency and the specific EMS Agency Number (dAgency.02).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_10	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Constraints

<b>Data Type</b>	<b>minInclusive</b>	<b>maxInclusive</b>
integer	1900	2050

## Data Element Comment

Added Calendar Year to the definition to remove confusion noted in draft comments. Will allow multiple entry to allow data to be stored on several years. This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02) and elements dAgency.16 through dAgency.22

State

National

## dAgency.16 - Total Primary Service Area Size

## Definition

The total square miles in the agency's service area.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_12	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

## Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year

State

National

## dAgency.17 - Total Service Area Population

## Definition

The total population in the agency's service area based if possible on year 2010 census data.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_13	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

<b>Data Type</b>	<b>minInclusive</b>	<b>maxInclusive</b>
positiveInteger	1	4,000,000

## Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

State

National

## dAgency.18 - 911 EMS Call Center Volume per Year

## Definition

The number of 911 calls received by the call center during the last calendar year

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

## Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

## Version 3 Changes Implemented

Name Clarified with "Call Center"

State

National

## dAgency.19 - EMS Dispatch Volume per Year

## Definition

The number of EMS dispatches during the last calendar year

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_15	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

## Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

State

National

## dAgency.20 - EMS Patient Transport Volume per Year

## Definition

The number of EMS transports per year based on last calendar year.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_16	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

## Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

State

National

## dAgency.21 - EMS Patient Contact Volume per Year

## Definition

The number of EMS patient contacts per year based on last calendar year.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_17	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

## Data Element Comment

This statistical information is associated with the EMS Agency's specific EMS Agency Number (dAgency.02). A value should be associated with each with (dAgency.15) Statistical Calendar Year.

State

National

## dAgency.25 - National Provider Identifier

## Definition

The National Provider Identifier issued by CMS.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_21	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

Data Type	length
string	10

## Data Element Comment

Only EMS Agencies billing for service will have an NPI number.

CMS (Centers for Medicare and Medicaid Services) NPI Registry lookup:  
<https://npiregistry.cms.hhs.gov/>



State

National

## dAgency.26 - Fire Department ID Number

## Definition

The state assigned Fire Department ID Number for EMS Agency(ies) operating within a Fire Department.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

Data Type	minLength	maxLength
string	1	20

## Data Element Comment

Fire Department ID was added to better integrate Fire Department EMS Agencies and linkage to other EMS related data systems such as NFIRS.

## Version 3 Changes Implemented

Added to better associate Fire and EMS licensure and operational identifiers.

# dConfiguration

## Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## dConfiguration

1 : M	dConfiguration.ConfigurationGroup				
1 : 1	dConfiguration.01 - State Associated with the Certification/Licensure Levels	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : M	dConfiguration.02 - State Certification/Licensure Levels	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : M	dConfiguration.03 - Procedures Permitted by the State	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : M	dConfiguration.04 - Medications Permitted by the State	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : M	dConfiguration.05 - Protocols Permitted by the State	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : M	dConfiguration.ProcedureGroup				
1 : 1	dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : M	dConfiguration.07 - EMS Agency Procedures	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : M	dConfiguration.MedicationGroup				
1 : 1	dConfiguration.08 - EMS Certification Levels Permitted to Administer Each Medication	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : M	dConfiguration.09 - EMS Agency Medications	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : M	dConfiguration.10 - EMS Agency Protocols	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : M	dConfiguration.11 - EMS Agency Specialty Service Capability	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : 1	dConfiguration.13 - Emergency Medical Dispatch (EMD) Provided to EMS Agency Service Area	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : M	dConfiguration.15 - Patient Monitoring Capability(ies)	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : M	dConfiguration.16 - Crew Call Sign	<span style="color: red;">N</span>	<span style="color: yellow;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	

## dConfiguration

State

National

## dConfiguration.01 - State Associated with the Certification/Licensure Levels

## Definition

The state associated with the state certification/licensure levels.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Constraints

**Pattern**

[0-9]{2}

## Data Element Comment

Associated with the state (dAgency.01 - EMS Agency State).

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)

The state EMS system does not need to import this information into their database. Reference the Demographic Dataset Submission Guide for further details.

State

National

## dConfiguration.02 - State Certification/Licensure Levels

## Definition

All of the potential levels of certification/licensure for EMS personnel recognized by the state.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_01	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

## Code List

Code	Description
9911001	2009 Advanced Emergency Medical Technician (AEMT)
9911003	2009 Emergency Medical Responder (EMR)
9911005	2009 Emergency Medical Technician (EMT)
9911007	2009 Paramedic
9911009	EMT-Basic
9911011	EMT-Intermediate
9911013	EMT-Paramedic
9911015	First Responder
9911019	Other
9911021	Physician
9911023	Critical Care Paramedic
9911025	Community Paramedicine
9911027	Nurse Practitioner
9911029	Physician Assistant
9911031	Licensed Practical Nurse (LPN)
9911033	Registered Nurse

## Data Element Comment

The new 2009 Education Levels have been added. The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

The state EMS system does not need to import this information into their database. Reference the Demographic Dataset Submission Guide for further details.

State

National

## dConfiguration.03 - Procedures Permitted by the State

## Definition

A list of all of the procedures permitted by the EMS Agency's licensing state.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	maxInclusive	minInclusive
integer	9999999999999999	100000

## Data Element Comment

This data element should capture all of the procedures permitted by the state for any/all levels of EMS personnel in the state. This is associated with the EMS Agency State (dAgency.01). This is related to the EMS Agency's procedures (dConfiguration.07) which have been implemented within the EMS System.

State EMS systems which have regulatory authority to determine the procedures statewide may identify SNOMEDCT procedure codes based on medical direction and their own need.

Code list is represented in SNOMEDCT: Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

## SNOMEDCT

Website: [http://www.nlm.nih.gov/research/umls/Snomed/snomed\\_main.html](http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html)

Product: Product - UMLS Metathesaurus

The EMS agency should submit "Not Applicable" and "Nil" to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

State

National

## dConfiguration.04 - Medications Permitted by the State

## Definition

A list of all of the medications permitted by the state to be used by each EMS state certification/licensure level.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	minLength	maxLength
string	2	7

## Data Element Comment

This data element should capture all of the medications permitted by the state for any/all levels of EMS personnel in the state. This should be stored as an RxNorm (RXCUI) Code. This is associated with the EMS Agency State (dAgency.01).

The EMS agency should submit "Not Applicable" and "Nil" to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

## Version 3 Changes Implemented

State EMS systems which have regulatory authority to identify medications to be administered within the state may identify specific RxNorm codes based on medical direction and their own need.

List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

RxNorm

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus

Website - <http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html>

Product - RxNorm Full Monthly Release

State

National

## dConfiguration.05 - Protocols Permitted by the State

## Definition

A list of all of the protocols permitted by the state.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
9914001	Airway
9914003	Airway-Failed
9914005	Airway-Obstruction/Foreign Body
9914007	Airway-Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway-Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest-Asystole
9914013	Cardiac Arrest-Hypothermia-Therapeutic
9914015	Cardiac Arrest-Pulseless Electrical Activity
9914017	Cardiac Arrest-Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest-Post Resuscitation Care
9914021	Environmental-Altitude Sickness
9914023	Environmental-Cold Exposure
9914025	Environmental-Frostbite/Cold Injury
9914027	Environmental-Heat Exposure/Exhaustion
9914029	Environmental-Heat Stroke/Hyperthermia
9914031	Environmental-Hypothermia
9914033	Exposure-Airway/Inhalation Irritants
9914035	Exposure-Biological/Infectious
9914037	Exposure-Blistering Agents
9914041	Exposure-Chemicals to Eye
9914043	Exposure-Cyanide
9914045	Exposure-Explosive/ Blast Injury
9914047	Exposure-Nerve Agents
9914049	Exposure-Radiologic Agents
9914051	General-Back Pain
9914053	General-Behavioral/Patient Restraint
9914055	General-Cardiac Arrest
9914057	General-Dental Problems
9914059	General-Epistaxis
9914061	General-Fever
9914063	General-Individualized Patient Protocol
9914065	General-Indwelling Medical Devices/Equipment
9914067	General-IV Access
9914069	General-Medical Device Malfunction
9914071	General-Pain Control
9914073	General-Spinal Immobilization/Clearance
9914075	General-Universal Patient Care/ Initial Patient Contact
9914077	Injury-Amputation
9914079	Injury-Bites and Envenomations-Land
9914081	Injury-Bites and Envenomations-Marine
9914083	Injury-Bleeding/ Hemorrhage Control
9914085	Injury-Burns-Thermal



9914087 Injury-Cardiac Arrest  
 9914089 Injury-Crush Syndrome  
 9914091 Injury-Diving Emergencies  
 9914093 Injury-Drowning/Near Drowning  
 9914095 Injury-Electrical Injuries  
 9914097 Injury-Extremity  
 9914099 Injury-Eye  
 9914101 Injury-Head  
 9914103 Injury-Impaled Object  
 9914105 Injury-Multisystem  
 9914107 Injury-Spinal Cord  
 9914109 Medical-Abdominal Pain  
 9914111 Medical-Allergic Reaction/Anaphylaxis  
 9914113 Medical-Altered Mental Status  
 9914115 Medical-Bradycardia  
 9914117 Medical-Cardiac Chest Pain  
 9914119 Medical-Diarrhea  
 9914121 Medical-Hyperglycemia  
 9914123 Medical-Hypertension  
 9914125 Medical-Hypoglycemia/Diabetic Emergency  
 9914127 Medical-Hypotension/Shock (Non-Trauma)  
 9914129 Medical-Influenza-Like Illness/ Upper Respiratory Infection  
 9914131 Medical-Nausea/Vomiting  
 9914133 Medical-Newborn/ Neonatal Resuscitation  
 9914135 General-Overdose/Poisoning/Toxic Ingestion  
 9914137 Medical-Pulmonary Edema/CHF  
 9914139 Medical-Respiratory Distress/Asthma/COPD/Reactive Airway  
 9914141 Medical-Seizure  
 9914143 Medical-ST-Elevation Myocardial Infarction (STEMI)  
 9914145 Medical-Stroke/TIA  
 9914147 Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)  
 9914149 Medical-Syncope  
 9914151 Medical-Ventricular Tachycardia (With Pulse)  
 9914153 Not Done  
 9914155 OB/GYN-Childbirth/Labor/Delivery  
 9914157 OB/GYN-Eclampsia  
 9914159 OB/GYN-Gynecologic Emergencies  
 9914161 OB/GYN-Pregnancy Related Emergencies  
 9914163 OB/GYN-Post-partum Hemorrhage  
 9914165 Other  
 9914167 Exposure-Carbon Monoxide  
 9914169 Cardiac Arrest-Do Not Resuscitate  
 9914171 Cardiac Arrest-Special Resuscitation Orders  
 9914173 Exposure-Smoke Inhalation  
 9914175 General-Community Paramedicine / Mobile Integrated Healthcare  
 9914177 General-Exception Protocol  
 9914179 General-Extended Care Guidelines  
 9914181 General-Interfacility Transfers  
 9914183 General-Law Enforcement - Blood for Legal Purposes  
 9914185 General-Law Enforcement - Assist with Law Enforcement Activity  
 9914187 General-Neglect or Abuse Suspected  
 9914189 General-Refusal of Care  
 9914191 Injury-Mass/Multiple Casualties  
 9914193 Injury-Thoracic  
 9914195 Medical-Adrenal Insufficiency  
 9914197 Medical-Apparent Life Threatening Event (ALTE)  
 9914199 Medical-Tachycardia  
 9914201 Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts  
 9914203 Injury-Conducted Electrical Weapon (e.g., Taser)  
 9914205 Injury-Facial Trauma  
 9914207 Injury-General Trauma Management  
 9914209 Injury-Lightning/Lightning Strike  
 9914211 Injury-SCUBA Injury/Accidents  
 9914213 Injury-Topical Chemical Burn  
 9914215 Medical-Beta Blocker Poisoning/Overdose  
 9914217 Medical-Calcium Channel Blocker Poisoning/Overdose  
 9914219 Medical-Opioid Poisoning/Overdose  
 9914221 Medical-Respiratory Distress-Bronchiolitis  
 9914223 Medical-Respiratory Distress-Croup

#### Data Element Comment

This data element should capture all of the protocols permitted by the state for any/all levels of EMS personnel in the state. This is associated with the EMS Agency State (dAgency.01).

States can add additional protocols to the list but the additional state protocols must map to these uniform codes.

The list is defined by the NASEMSO State Medical Directors.

The EMS agency should submit "Not Applicable" and "Nil" to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

#### Version 3 Changes Implemented

Added to better identify states with statewide protocols and define state EMS capability and care.

State

National

## dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure

## Definition

EMS certification levels which are permitted to perform the procedure listed in dConfiguration.07.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_05	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
9917001	2009 Advanced Emergency Medical Technician (AEMT)
9917003	2009 Emergency Medical Responder (EMR)
9917005	2009 Emergency Medical Technician (EMT)
9917007	2009 Paramedic
9917009	First Responder
9917011	EMT-Basic
9917013	EMT-Intermediate
9917015	EMT-Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

## Data Element Comment

Using each certification level within the agency, indicate the approved procedures allowed utilizing dConfiguration.07 (EMS Agency Procedures).

The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

State

National

## dConfiguration.07 - EMS Agency Procedures

## Definition

A list of all procedures that the agency has implemented and available for use by any/all EMS certification levels.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

<b>Data Type</b>	<b>maxInclusive</b>	<b>minInclusive</b>
integer	9999999999999999	100000

## Data Element Comment

This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities. Each procedure is associated with the EMS professional certification levels permitted to perform the procedure.

EMS Agencies may identify additional SNOMEDCT procedure codes based on medical direction and their own need. If an agency resides in a state with statewide approved procedures, they should be listed/implemented here.

Code list is represented in SNOMEDCT: Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

## SNOMEDCT

Website: [http://www.nlm.nih.gov/research/umls/Snomed/snomed\\_main.html](http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html)

Product: Product - UMLS Metathesaurus

State

National

## dConfiguration.08 - EMS Certification Levels Permitted to Administer Each Medication

## Definition

All EMS certification levels which are permitted to administer the medications listed in dConfiguration.09 (EMS Agency Medications).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_07	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
9917001	2009 Advanced Emergency Medical Technician (AEMT)
9917003	2009 Emergency Medical Responder (EMR)
9917005	2009 Emergency Medical Technician (EMT)
9917007	2009 Paramedic
9917009	First Responder
9917011	EMT-Basic
9917013	EMT-Intermediate
9917015	EMT-Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

## Data Element Comment

Using each certification level within the agency, indicate the approved medications allowed utilizing dConfiguration.09 (EMS Agency Medications).

The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

State

National

## dConfiguration.09 - EMS Agency Medications

## Definition

A list of all medications the agency has implemented and have available for use.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_06	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

Data Type	minLength	maxLength
string	2	7

## Data Element Comment

The medication list is stored as the RxNorm (RXCU) Code. This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities.

List of medications based on RxNorm (RXCU) code. Reference the NEMSIS Suggested Lists at:  
<http://nemsis.org/v3/resources.html>

RxNorm

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus

Website - <http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html>

Product - RxNorm Full Monthly Release

State

National

## dConfiguration.10 - EMS Agency Protocols

## Definition

A list of all of the EMS field protocols that the agency has in place and available for use.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_08	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
9914001	Airway
9914003	Airway-Failed
9914005	Airway-Obstruction/Foreign Body
9914007	Airway-Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway-Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest-Asystole
9914013	Cardiac Arrest-Hypothermia-Therapeutic
9914015	Cardiac Arrest-Pulseless Electrical Activity
9914017	Cardiac Arrest-Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest-Post Resuscitation Care
9914021	Environmental-Altitude Sickness
9914023	Environmental-Cold Exposure
9914025	Environmental-Frostbite/Cold Injury
9914027	Environmental-Heat Exposure/Exhaustion
9914029	Environmental-Heat Stroke/Hyperthermia
9914031	Environmental-Hypothermia
9914033	Exposure-Airway/Inhalation Irritants
9914035	Exposure-Biological/Infectious
9914037	Exposure-Blistering Agents
9914041	Exposure-Chemicals to Eye
9914043	Exposure-Cyanide
9914045	Exposure-Explosive/ Blast Injury
9914047	Exposure-Nerve Agents
9914049	Exposure-Radiologic Agents
9914051	General-Back Pain
9914053	General-Behavioral/Patient Restraint
9914055	General-Cardiac Arrest
9914057	General-Dental Problems
9914059	General-Epistaxis
9914061	General-Fever
9914063	General-Individualized Patient Protocol
9914065	General-Indwelling Medical Devices/Equipment
9914067	General-IV Access
9914069	General-Medical Device Malfunction
9914071	General-Pain Control
9914073	General-Spinal Immobilization/Clearance
9914075	General-Universal Patient Care/ Initial Patient Contact
9914077	Injury-Amputation
9914079	Injury-Bites and Envenomations-Land
9914081	Injury-Bites and Envenomations-Marine
9914083	Injury-Bleeding/ Hemorrhage Control
9914085	Injury-Burns-Thermal
9914087	Injury-Cardiac Arrest
9914089	Injury-Crush Syndrome
9914091	Injury-Diving Emergencies
9914093	Injury-Drowning/Near Drowning

9914095 Injury-Electrical Injuries  
 9914097 Injury-Extremity  
 9914099 Injury-Eye  
 9914101 Injury-Head  
 9914103 Injury-Impaled Object  
 9914105 Injury-Multisystem  
 9914107 Injury-Spinal Cord  
 9914109 Medical-Abdominal Pain  
 9914111 Medical-Allergic Reaction/Anaphylaxis  
 9914113 Medical-Altered Mental Status  
 9914115 Medical-Bradycardia  
 9914117 Medical-Cardiac Chest Pain  
 9914119 Medical-Diarrhea  
 9914121 Medical-Hyperglycemia  
 9914123 Medical-Hypertension  
 9914125 Medical-Hypoglycemia/Diabetic Emergency  
 9914127 Medical-Hypotension/Shock (Non-Trauma)  
 9914129 Medical-Influenza-Like Illness/ Upper Respiratory Infection  
 9914131 Medical-Nausea/Vomiting  
 9914133 Medical-Newborn/ Neonatal Resuscitation  
 9914135 General-Overdose/Poisoning/Toxic Ingestion  
 9914137 Medical-Pulmonary Edema/CHF  
 9914139 Medical-Respiratory Distress/Asthma/COPD/Reactive Airway  
 9914141 Medical-Seizure  
 9914143 Medical-ST-Elevation Myocardial Infarction (STEMI)  
 9914145 Medical-Stroke/TIA  
 9914147 Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)  
 9914149 Medical-Syncope  
 9914151 Medical-Ventricular Tachycardia (With Pulse)  
 9914153 Not Done  
 9914155 OB/GYN-Childbirth/Labor/Delivery  
 9914157 OB/GYN-Eclampsia  
 9914159 OB/GYN-Gynecologic Emergencies  
 9914161 OB/GYN-Pregnancy Related Emergencies  
 9914163 OB/GYN-Post-partum Hemorrhage  
 9914165 Other  
 9914167 Exposure-Carbon Monoxide  
 9914169 Cardiac Arrest-Do Not Resuscitate  
 9914171 Cardiac Arrest-Special Resuscitation Orders  
 9914173 Exposure-Smoke Inhalation  
 9914175 General-Community Paramedicine / Mobile Integrated Healthcare  
 9914177 General-Exception Protocol  
 9914179 General-Extended Care Guidelines  
 9914181 General-Interfacility Transfers  
 9914183 General-Law Enforcement - Blood for Legal Purposes  
 9914185 General-Law Enforcement - Assist with Law Enforcement Activity  
 9914187 General-Neglect or Abuse Suspected  
 9914189 General-Refusal of Care  
 9914191 Injury-Mass/Multiple Casualties  
 9914193 Injury-Thoracic  
 9914195 Medical-Adrenal Insufficiency  
 9914197 Medical-Apparent Life Threatening Event (ALTE)  
 9914199 Medical-Tachycardia  
 9914201 Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts  
 9914203 Injury-Conducted Electrical Weapon (e.g., Taser)  
 9914205 Injury-Facial Trauma  
 9914207 Injury-General Trauma Management  
 9914209 Injury-Lightning/Lightning Strike  
 9914211 Injury-SCUBA Injury/Accidents  
 9914213 Injury-Topical Chemical Burn  
 9914215 Medical-Beta Blocker Poisoning/Overdose  
 9914217 Medical-Calcium Channel Blocker Poisoning/Overdose  
 9914219 Medical-Opioid Poisoning/Overdose  
 9914221 Medical-Respiratory Distress-Bronchiolitis  
 9914223 Medical-Respiratory Distress-Croup  
 9914225 Medical-Stimulant Poisoning/Overdose

#### Data Element Comment

This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different



capabilities.

State and local entities can add additional protocols to the list but the additional protocols must map to these uniform codes.

The list is defined by the NASEMSO State Medical Directors.

State

National

## dConfiguration.11 - EMS Agency Specialty Service Capability

## Definition

Special training or services provided by the EMS Agency and available to the EMS service area/community.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

## Code List

Code	Description
1211001	Air Rescue
1211003	CBRNE
1211005	Community Health Medicine
1211007	Disaster Medical Assistance Team (DMAT)
1211009	Disaster Mortuary (DMORT)
1211011	Dive Rescue
1211013	Farm Rescue
1211015	High Angle Rescue
1211017	Machinery Disentanglement
1211019	None
1211021	Ski / Snow Rescue
1211023	Tactical EMS
1211025	Trench / Confined Space Rescue
1211027	Urban Search and Rescue (USAR)
1211029	Vehicle Extrication
1211031	Veterinary Medical Assistance Team (VMAT)
1211033	Water or Ice Related Rescue (Incl Swift Water)
1211035	Wilderness Search and Rescue

## Data Element Comment

State

National

## dConfiguration.13 - Emergency Medical Dispatch (EMD) Provided to EMS Agency Service Area

## Definition

Indication as to whether Emergency Medical Dispatch is provided to the EMS Agency's service area.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

**Code      Description**

1213001    No  
 1213003    Yes, 100% of the EMS Agency's Service Area  
 1213005    Yes, Less than 100% of the EMS Agency's Service Area

## Data Element Comment

Added to better document the implementation of Emergency Medical Dispatch. Associated with each EMS Agency and the specific EMS Agency Number (dAgency.02).

State

National

## dConfiguration.15 - Patient Monitoring Capability(ies)

## Definition

The EMS Agency's patient monitoring capability which can be provided to any/all patients presenting to EMS.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
1215001	Capnography-Numeric
1215003	Capnography-Waveform
1215005	ECG-12 Lead or Greater
1215007	ECG-Less than 12 Lead (Cardiac Monitor)
1215009	Oximetry-Carbon Monoxide
1215011	Oximetry-Oxygen
1215013	Pressure Measurement-Invasive (Arterial, CVP, Swan, etc.)
1215015	Pressure Measurement-Non-Invasive (Blood Pressure, etc.)
1215017	Ventilator-Transport
1215019	Vital Sign Monitoring

## Data Element Comment

Added to identify the patient monitoring capability of the EMS Agency. Associated with each EMS Agency Number (dAgency.02) since each EMS Agency Number may have a different capability within each EMS Agency. Other patient monitoring capability may exist but NEMSIS Version 3 only includes these specific capabilities.

State

National

## dConfiguration.16 - Crew Call Sign

## Definition

The EMS crew call sign used to dispatch and communicate with the unit. This may be the same as the EMS Unit/Vehicle Number in many agencies.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_02	Is Nillable	No
Usage	Mandatory	Recurrence	1 : M

## Constraints

Data Type	minLength	maxLength
string	1	50

## Data Element Comment

# eRecord

Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span>M</span> = Mandatory , <span>R</span> = Required , <span>E</span> = Recommended, or <span>O</span> = Optional		
	Attributes:	<span>N</span> = Not Values, <span>P</span> = Pertinent Negatives , <span>L</span> = Nillable, and/or <span>C</span> = Correlation ID		

eRecord				
1 : 1	eRecord.01 - Patient Care Report Number	<span>N</span>	<span>S</span>	<span>M</span>
1 : 1	eRecord.SoftwareApplicationGroup			
	1 : 1 eRecord.02 - Software Creator	<span>N</span>	<span>S</span>	<span>M</span>
	1 : 1 eRecord.03 - Software Name	<span>N</span>	<span>S</span>	<span>M</span>
	1 : 1 eRecord.04 - Software Version	<span>N</span>	<span>S</span>	<span>M</span>
eRecord				

State

National

## eRecord.01 - Patient Care Report Number

## Definition

The unique number automatically assigned by the EMS agency for each Patient Care Report (PCR). This should be a unique number for the EMS agency for all of time.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E01_01	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

Data Type	minLength	maxLength
string	3	50

## Data Element Comment



State

National

## eRecord.02 - Software Creator

## Definition

The name of the vendor, manufacturer, and developer who designed the application that created this record.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E01_02	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Constraints

Data Type	minLength	maxLength
string	1	50

## Data Element Comment

This is required to document the software used to generate the Patient Care Report. This is not the last software which aggregated/stored the Patient Care Report after it was sent from another software.

State

National

## eRecord.03 - Software Name

## Definition

The name of the application used to create this record.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E01_03	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Constraints

Data Type	minLength	maxLength
string	1	50

## Data Element Comment

This is the EMS Agency's software, not the state or other level software which electronically received the data from the local EMS Agency.

State

National

## eRecord.04 - Software Version

## Definition

The version of the application used to create this record.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E01_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Constraints

Data Type	minLength	maxLength
string	1	50

## Data Element Comment

# eResponse

## Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## eResponse

1 : 1	eResponse.AgencyGroup				
1 : 1	1 : 1 eResponse.01 - EMS Agency Number	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : 1	eResponse.03 - Incident Number	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	eResponse.04 - EMS Response Number	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	eResponse.ServiceGroup				
1 : 1	1 : 1 eResponse.05 - Type of Service Requested	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : 1	eResponse.07 - Primary Role of the Unit	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : M	eResponse.08 - Type of Dispatch Delay	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : M	eResponse.09 - Type of Response Delay	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : M	eResponse.10 - Type of Scene Delay	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : M	eResponse.11 - Type of Transport Delay	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : M	eResponse.12 - Type of Turn-Around Delay	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	eResponse.13 - EMS Vehicle (Unit) Number	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : 1	eResponse.14 - EMS Unit Call Sign	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : 1	eResponse.15 - Level of Care of This Unit	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : 1	eResponse.23 - Response Mode to Scene	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">M</span>	
1 : M	eResponse.24 - Additional Response Mode Descriptors	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>

## eResponse

State

National

## eResponse.01 - EMS Agency Number

## Definition

The state-assigned provider number of the responding agency

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E02_01	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

Data Type	minLength	maxLength
string	1	15

## Data Element Comment

The EMS Agency Number in eResponse.01 can auto-populate from dAgency.02 EMS Agency Number in the demographic section.

State

National

## eResponse.03 - Incident Number

## Definition

The incident number assigned by the 911 Dispatch System

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E02_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

Data Type	minLength	maxLength
string	3	50

## Data Element Comment

This number can be used to associate multiple EMS responses, dispatch information, and other information to the same EMS event or patient.

State

National

## eResponse.04 - EMS Response Number

## Definition

The internal EMS response number which is unique for each EMS Vehicle's (Unit) response to an incident within an EMS Agency.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E02_03	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

Data Type	minLength	maxLength
string	3	50

## Data Element Comment



State

National

## eResponse.05 - Type of Service Requested

## Definition

The type of service or category of service requested of the EMS Agency responding for this specific EMS event

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E02_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
2205001	911 Response (Scene)
2205003	Intercept
2205005	Interfacility Transport
2205007	Medical Transport
2205009	Mutual Aid
2205011	Public Assistance/Other Not Listed
2205013	Standby

## Data Element Comment

"Interfacility Transfer" has been changed to "Interfacility Transport. "Public Assistance/Other Not Listed" added for EMS expanded scope events such as elderly assistance, injury prevention, public education, immunization programs, etc.

State

National

## eResponse.07 - Primary Role of the Unit

## Definition

The primary role of the EMS Unit which responded to this specific EMS event

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E02_05	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
2207003	Ground Transport
2207005	Non-Transport Administrative (e.g., Supervisor)
2207007	Non-Transport Assistance
2207009	Non-Transport Rescue
2207011	Air Transport-Helicopter
2207013	Air Transport-Fixed Wing

## Data Element Comment

Supervisor clarified to Administrative Only. If the Supervisor is responding to assist, that would be considered Non-Transport. Transport separated into Air and Ground. In Version 2 there was no way to identify Air Transport.

State

National

## eResponse.08 - Type of Dispatch Delay

## Definition

The dispatch delays, if any, associated with the dispatch of the EMS unit to the EMS event.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E02_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2208001	Caller (Uncooperative)
2208003	Diversion/Failure (of previous unit)
2208005	High Call Volume
2208007	Language Barrier
2208009	Location (Inability to Obtain)
2208011	No EMS Vehicles (Units) Available
2208013	None/No Delay
2208015	Other
2208017	Technical Failure (Computer, Phone etc.)

## Data Element Comment

A dispatch delay is any time delay that occurs from the time of PSAP call (eTimes.01) to the time the unit is notified by dispatch (eTimes.03).

State

National

## eResponse.09 - Type of Response Delay

## Definition

The response delays, if any, of the EMS unit associated with the EMS event.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E02_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2209001	Crowd
2209003	Directions/Unable to Locate
2209005	Distance
2209007	Diversion (Different Incident)
2209009	HazMat
2209011	None/No Delay
2209013	Other
2209015	Rendezvous Transport Unavailable
2209017	Route Obstruction (e.g., Train)
2209019	Scene Safety (Not Secure for EMS)
2209021	Staff Delay
2209023	Traffic
2209025	Vehicle Crash Involving this Unit
2209027	Vehicle Failure of this Unit
2209029	Weather
2209031	Mechanical Issue-Unit, Equipment, etc.
2209033	Flight Planning

## Data Element Comment

Rendezvous Transport Unavailable added for situations where there is a wait for an EMS Transport Unit, a Ferry, Air Medical, etc. to return to service.

A response delay is any time delay that occurs from the time the unit is notified by dispatch (eTimes.03) to the time the unit arrived on scene (eTimes.06).

State

National

## eResponse.10 - Type of Scene Delay

## Definition

The scene delays, if any, of the EMS unit associated with the EMS event.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E02_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2210001	Awaiting Air Unit
2210003	Awaiting Ground Unit
2210005	Crowd
2210007	Directions/Unable to Locate
2210009	Distance
2210011	Extrication
2210013	HazMat
2210015	Language Barrier
2210017	None/No Delay
2210019	Other
2210021	Patient Access
2210023	Safety-Crew/Staging
2210025	Safety-Patient
2210027	Staff Delay
2210029	Traffic
2210031	Triage/Multiple Patients
2210033	Vehicle Crash Involving this Unit
2210035	Vehicle Failure of this Unit
2210037	Weather
2210039	Mechanical Issue-Unit, Equipment, etc.

## Data Element Comment

A scene delay is any time delay that occurs from the time the unit arrived on scene (eTimes.06) to the time the unit left the scene (eTimes.09).

State

National

## eResponse.11 - Type of Transport Delay

## Definition

The transport delays, if any, of the EMS unit associated with the EMS event.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E02_09	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2211001	Crowd
2211003	Directions/Unable to Locate
2211005	Distance
2211007	Diversion
2211009	HazMat
2211011	None/No Delay
2211013	Other
2211015	Rendezvous Transport Unavailable
2211017	Route Obstruction (e.g., Train)
2211019	Safety
2211021	Staff Delay
2211023	Traffic
2211025	Vehicle Crash Involving this Unit
2211027	Vehicle Failure of this Unit
2211029	Weather
2211031	Patient Condition Change (e.g., Unit Stopped)

## Data Element Comment

Rendezvous Transport Unavailable added for situations where there is a wait for an EMS Transport Unit, a Ferry, Air Medical, etc.

A transport delay is any time delay that occurs from the time the unit left the scene (eTimes.09) to the time the patient arrived at the destination (eTimes.10).

State

National

## eResponse.12 - Type of Turn-Around Delay

## Definition

The turn-around delays, if any, of EMS unit associated with the EMS event.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E02_10	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Response

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
2212001	Clean-up
2212003	Decontamination
2212005	Distance
2212007	Documentation
2212009	ED Overcrowding / Transfer of Care
2212011	Equipment Failure
2212013	Equipment/Supply Replenishment
2212015	None/No Delay
2212017	Other
2212019	Rendezvous Transport Unavailable
2212021	Route Obstruction (e.g., Train)
2212023	Staff Delay
2212025	Traffic
2212027	Vehicle Crash of this Unit
2212029	Vehicle Failure of this Unit
2212031	Weather
2212033	EMS Crew Accompanies Patient for Facility Procedure

## Data Element Comment

Rendezvous Transport Unavailable added for situations where there is a wait for an EMS Transport Unit, a Ferry, Air Medical, etc. to return to service.

If a patient is being transported by the unit, turn-around delay is any time delay that occurs from the time the patient arrived at the destination (eTimes.11) until the time the unit is back in service (eTimes.13) or unit back at the home location (eTimes.15) [whichever is the greater of the two times].

If no patient is being transported by the unit, turn-around delay is any time delay that occurs from the time the unit arrived on scene (eTimes.06) until the unit is back in service (eTimes.13) or the unit back at the home location (eTimes.15) [whichever is the greater of the two times].

State

National

## eResponse.13 - EMS Vehicle (Unit) Number

## Definition

The unique physical vehicle number of the responding unit.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E02_11	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Constraints

Data Type	minLength	maxLength
string	1	25

## Data Element Comment

This is recommended to be the State Vehicle Permit Number if unique to the vehicle. If the vehicle is not licensed by the state, this should be a unique number only associated with a specific vehicle. This element should be populated from dVehicle.01 - Unit/Vehicle Number.



State

National

## eResponse.14 - EMS Unit Call Sign

## Definition

The EMS unit number used to dispatch and communicate with the unit. This may be the same as the EMS Unit/Vehicle Number in many agencies.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E02_12	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Constraints

Data Type	minLength	maxLength
string	1	50

## Data Element Comment

"This element could be populated from a list created in dVehicle.03 EMS Unit Call Sign or dConfiguration.16 (Crew Call Sign).

State

National

## eResponse.15 - Level of Care of This Unit

## Definition

The level of care (BLS or ALS) the unit is able to provide based on the units' treatment capabilities for this EMS response.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
2215001	BLS-First Responder/EMR
2215003	BLS-Basic /EMT
2215005	BLS-AEMT
2215007	BLS-Intermediate
2215023	BLS-Community Paramedicine
2215009	ALS-AEMT
2215011	ALS-Intermediate
2215013	ALS-Paramedic
2215015	ALS-Community Paramedicine
2215017	ALS-Nurse
2215019	ALS-Physician
2215021	Specialty Critical Care

## Data Element Comment

Added to identify the level of care (license level) the EMS unit/crew can provide regardless of patient need, based on this unit's capabilities.

For example, if a unit/crew is staffed with an EMT-Intermediate or EMT-Paramedic but the unit is either licensed or stocked at a BLS level the appropriate level of care is "BLS-Basic". This is because the care provided to patients is limited to BLS skills.

State

National

## eResponse.23 - Response Mode to Scene

## Definition

The indication whether the response was emergent or non-emergent. An emergent response is an immediate response (typically using lights and sirens).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E02_20	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
2223001	Emergent (Immediate Response)
2223003	Emergent Downgraded to Non-Emergent
2223005	Non-Emergent
2223007	Non-Emergent Upgraded to Emergent

## Data Element Comment

Information now split between eResponse.23 (Response Mode to Scene) and eResponse.24 (Additional Response Mode Descriptors)

State

National

## eResponse.24 - Additional Response Mode Descriptors

## Definition

The documentation of response mode techniques used for this EMS response.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2224001	Intersection Navigation-Against Normal Light Patterns
2224003	Intersection Navigation-With Automated Light Changing Technology
2224005	Intersection Navigation-With Normal Light Patterns
2224007	Scheduled
2224009	Speed-Enhanced per Local Policy
2224011	Speed-Normal Traffic
2224013	Unscheduled
2224015	Lights and Sirens
2224017	Lights and No Sirens
2224019	No Lights or Sirens
2224021	Initial No Lights or Sirens, Upgraded to Lights and Sirens
2224023	Initial Lights and Sirens, Downgraded to No Lights or Sirens

## Data Element Comment

Descriptors have been added to better describe the EMS Response. This includes information on whether the EMS event was schedule or unscheduled.

# eDispatch

Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span>M</span> = Mandatory , <span>R</span> = Required , <span>E</span> = Recommended, or <span>O</span> = Optional		
	Attributes:	<span>N</span> = Not Values, <span>P</span> = Pertinent Negatives , <span>L</span> = Nillable, and/or <span>C</span> = Correlation ID		

eDispatch				
1 : 1	eDispatch.01 - Complaint Reported by Dispatch	<span>N</span>	<span>S</span>	<span>M</span>
1 : 1	eDispatch.02 - EMD Performed	<span>N</span>	<span>S</span>	<span>R</span> <span>N, L</span>
eDispatch				

State

National

## eDispatch.01 - Complaint Reported by Dispatch

## Definition

The complaint dispatch reported to the responding unit.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E03_01	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
2301001	Abdominal Pain/Problems
2301003	Allergic Reaction/Stings
2301005	Animal Bite
2301007	Assault
2301009	Automated Crash Notification
2301011	Back Pain (Non-Traumatic)
2301013	Breathing Problem
2301015	Burns/Explosion
2301017	Carbon Monoxide/Hazmat/Inhalation/CBRN
2301019	Cardiac Arrest/Death
2301021	Chest Pain (Non-Traumatic)
2301023	Choking
2301025	Convulsions/Seizure
2301027	Diabetic Problem
2301029	Electrocution/Lightning
2301031	Eye Problem/Injury
2301033	Falls
2301035	Fire
2301037	Headache
2301039	Healthcare Professional/Admission
2301041	Heart Problems/AICD
2301043	Heat/Cold Exposure
2301045	Hemorrhage/Laceration
2301047	Industrial Accident/Inaccessible Incident/Other Entrapments (Non-Vehicle)
2301049	Medical Alarm
2301051	No Other Appropriate Choice
2301053	Overdose/Poisoning/Ingestion
2301055	Pandemic/Epidemic/Outbreak
2301057	Pregnancy/Childbirth/Miscarriage
2301059	Psychiatric Problem/Abnormal Behavior/Suicide Attempt
2301061	Sick Person
2301063	Stab/Gunshot Wound/Penetrating Trauma
2301065	Standby
2301067	Stroke/CVA
2301069	Traffic/Transportation Incident
2301071	Transfer/Interfacility/Palliative Care
2301073	Traumatic Injury
2301075	Well Person Check
2301077	Unconscious/Fainting/Near-Fainting
2301079	Unknown Problem/Person Down
2301081	Drowning/Diving/SCUBA Accident
2301083	Airmedical Transport

## Data Element Comment

Added Pandemic/Epidemic/Outbreak.  
Added Automated Crash Notification

Added Healthcare Professional Admission  
Added Transfer/Interfacility/Palliative Care  
- Other entries expanded based on current national EMD Dispatch List



State

National

## eDispatch.02 - EMD Performed

## Definition

Indication of whether Emergency Medical Dispatch was performed for this EMS event.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E03_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2302001	No
2302003	Yes, With Pre-Arrival Instructions
2302005	Yes, Without Pre-Arrival Instructions
2302007	Yes, Unknown if Pre-Arrival Instructions Given

## Data Element Comment

# eTimes

## Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## eTimes

1 : 1	eTimes.01 - PSAP Call Date/Time	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: gray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eTimes.03 - Unit Notified by Dispatch Date/Time	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: gray; color: black;">M</span>	
1 : 1	eTimes.05 - Unit En Route Date/Time	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: gray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eTimes.06 - Unit Arrived on Scene Date/Time	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: gray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eTimes.07 - Arrived at Patient Date/Time	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: gray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eTimes.09 - Unit Left Scene Date/Time	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: gray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eTimes.11 - Patient Arrived at Destination Date/Time	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: gray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eTimes.12 - Destination Patient Transfer of Care Date/Time	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: gray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eTimes.13 - Unit Back in Service Date/Time	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: gray; color: black;">M</span>	

## eTimes

## eTimes.01 - PSAP Call Date/Time

## Definition

The date/time the phone rings (911 call to public safety answering point or other designated entity) requesting EMS services.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E05_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

<b>Data Type</b>	<b>minInclusive</b>	<b>maxInclusive</b>
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\\+|\\-)[0-9]{2}:[0-9]{2}

## Data Element Comment

This date/time might be the same as Dispatch Notified Date/Time (eTimes.02).

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

State

National

## eTimes.03 - Unit Notified by Dispatch Date/Time

## Definition

The date/time the responding unit was notified by dispatch.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E05_04	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      2050-01-01T00:00:00-00:00

**Pattern**  
 [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-[0-9]{2}:[0-9]{2})

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

State

National

## eTimes.05 - Unit En Route Date/Time

## Definition

The date/time the unit responded; that is, the time the vehicle started moving.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E05_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\\+|\\-)[0-9]{2}:[0-9]{2}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

## eTimes.06 - Unit Arrived on Scene Date/Time

## Definition

The date/time the responding unit arrived on the scene; that is, the time the vehicle stopped moving at the scene.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E05_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

<b>Data Type</b>	<b>minInclusive</b>	<b>maxInclusive</b>
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

## eTimes.07 - Arrived at Patient Date/Time

## Definition

The date/time the responding unit arrived at the patient's side.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E05_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration



## eTimes.09 - Unit Left Scene Date/Time

## Definition

The date/time the responding unit left the scene with a patient (started moving).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E05_09	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\\+|\\-)[0-9]{2}:[0-9]{2}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

## eTimes.11 - Patient Arrived at Destination Date/Time

## Definition

The date/time the responding unit arrived with the patient at the destination or transfer point.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E05_10	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

## eTimes.12 - Destination Patient Transfer of Care Date/Time

## Definition

The date/time that patient care was transferred to the destination healthcare facilities staff.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## Data Element Comment

This was added to better document delays in ED transfer of care due to ED crowding or other issues beyond EMS control.

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

## eTimes.13 - Unit Back in Service Date/Time

## Definition

The date/time the unit back was back in service and available for response (finished with call, but not necessarily back in home location).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E05_11	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Response

## Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

# ePatient

Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span>M</span> = Mandatory , <span>R</span> = Required , <span>E</span> = Recommended, or <span>O</span> = Optional		
	Attributes:	<span>N</span> = Not Values, <span>P</span> = Pertinent Negatives , <span>L</span> = Nillable, and/or <span>C</span> = Correlation ID		

## ePatient

1 : 1	ePatient.07 - Patient's Home County	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	ePatient.08 - Patient's Home State	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	ePatient.09 - Patient's Home ZIP Code	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	ePatient.13 - Gender	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : M	ePatient.14 - Race	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	ePatient.AgeGroup				
1 : 1	ePatient.15 - Age	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	ePatient.16 - Age Units	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>

## ePatient

State

National

## ePatient.07 - Patient's Home County

## Definition

The patient's home county or parish of residence.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

[0-9]{5}

## Data Element Comment

Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)

State

National

## ePatient.08 - Patient's Home State

## Definition

The state, territory, or province where the patient resides.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

**Pattern**

[0-9]{2}

## Data Element Comment

The ANSI Code Selection by text but stored as ANSI code.

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)



State

National

## ePatient.09 - Patient's Home ZIP Code

## Definition

The patient's ZIP code of residence.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

[0-9]{5}||[0-9]{5}-[0-9]{4}||[0-9]{5}-[0-9]{5}||[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

## Data Element Comment

ZIP Codes Product Website: <https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/>  
 Product: USA - 5-digit ZIP Code Database, Commercial Edition

State

National

## ePatient.13 - Gender

## Definition

The Patient's Gender

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_11	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
9906001	Female
9906003	Male
9906005	Unknown (Unable to Determine)

## Data Element Comment

State

National

## ePatient.14 - Race

## Definition

The patient's race as defined by the OMB (US Office of Management and Budget)

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_12	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2514001	American Indian or Alaska Native
2514003	Asian
2514005	Black or African American
2514007	Hispanic or Latino
2514009	Native Hawaiian or Other Pacific Islander
2514011	White

## Data Element Comment

OMB requirements are provided at: <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-15-089.html>. Using single multiple choice question methodology to improve the completion of ethnicity information.

Ethnicity (Version 2.2.1: E06\_13) has been merged with this data element and retired.

State

National

## ePatient.15 - Age

## Definition

The patient's age (either calculated from date of birth or best approximation)

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
integer	1	120

## Data Element Comment

State

National

## ePatient.16 - Age Units

## Definition

The unit used to define the patient's age

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E06_15	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2516001	Days
2516003	Hours
2516005	Minutes
2516007	Months
2516009	Years

## Data Element Comment

# ePayment

Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span>M</span> = Mandatory , <span>R</span> = Required , <span>E</span> = Recommended, or <span>O</span> = Optional		
	Attributes:	<span>N</span> = Not Values, <span>P</span> = Pertinent Negatives , <span>L</span> = Nillable, and/or <span>C</span> = Correlation ID		

ePayment				
1 : 1	ePayment.01 - Primary Method of Payment	<span>N</span>	<span>S</span>	<span>R</span> <span>N, L</span>
1 : 1	ePayment.50 - CMS Service Level	<span>N</span>	<span>S</span>	<span>R</span> <span>N, L</span>
ePayment				

State

National

## ePayment.01 - Primary Method of Payment

## Definition

The primary method of payment or type of insurance associated with this EMS encounter

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E07_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2601001	Insurance
2601003	Medicaid
2601005	Medicare
2601007	Not Billed (for any reason)
2601009	Other Government
2601011	Self Pay
2601013	Workers Compensation
2601015	Payment by Facility
2601017	Contracted Payment
2601019	Community Network
2601021	No Insurance Identified
2601023	Other Payment Option

## Data Element Comment



State

National

## ePayment.50 - CMS Service Level

## Definition

The CMS service level for this EMS encounter.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E07_34	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2650001	ALS, Level 1
2650003	ALS, Level 1 Emergency
2650005	ALS, Level 2
2650007	BLS
2650009	BLS, Emergency
2650011	Fixed Wing (Airplane)
2650013	Paramedic Intercept
2650015	Specialty Care Transport
2650017	Rotary Wing (Helicopter)

## Data Element Comment

# eScene

## Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## eScene

1 : 1	eScene.01 - First EMS Unit on Scene	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eScene.06 - Number of Patients at Scene	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eScene.07 - Mass Casualty Incident	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eScene.08 - Triage Classification for MCI Patient	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eScene.09 - Incident Location Type	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eScene.18 - Incident State	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eScene.19 - Incident ZIP Code	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>
1 : 1	eScene.21 - Incident County	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>

## eScene

State

National

## eScene.01 - First EMS Unit on Scene

## Definition

Documentation that this EMS Unit was the first EMS Unit for the EMS Agency on the Scene

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

**Code      Description**

9923001    No  
9923003    Yes

## Data Element Comment

Added to improve the evaluation of Response Times when multiple EMS units are responding to the same scene.

State

National

## eScene.06 - Number of Patients at Scene

## Definition

Indicator of how many total patients were at the scene

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E08_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
2707001	Multiple
2707003	None
2707005	Single

## Data Element Comment

State

National

## eScene.07 - Mass Casualty Incident

## Definition

Indicator if this event would be considered a mass casualty incident (overwhelmed existing EMS resources)

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E08_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
9923001	No
9923003	Yes

## Data Element Comment

State

National

## eScene.08 - Triage Classification for MCI Patient

## Definition

The color associated with the initial triage assessment/classification of the MCI patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2708001	Red - Immediate
2708003	Yellow - Delayed
2708005	Green - Minimal (Minor)
2708007	Gray - Expectant
2708009	Black - Deceased

## Data Element Comment

This element is documented when eScene.07 (Mass Casualty Incident) = Yes.

Examples of triage systems include START and SALT.

Adapted from: SALT mass casualty triage: concept endorsed by the American College of Emergency Physicians, American College of Surgeons Committee on Trauma, American Trauma Society, National Association of EMS Physicians, National Disaster Life Support Education Consortium, and State and Territorial Injury Prevention Directors Association. Disaster Med Public Health Prep. 2008 Dec;2(4):245-6.

START reference: Benson M, Koenig KL, Schultz CH. Disaster triage: START, then SAVE-a new method of dynamic triage for victims of a catastrophic earthquake. Prehospital Disaster Med. 1996; Apr-Jun; 11(2): 117-24

State

National

## eScene.09 - Incident Location Type

## Definition

The kind of location where the incident happened

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E08_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

Y92\.[0-9]{1,3}

## Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

ICD-10-CM

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus



State

National

## eScene.18 - Incident State

## Definition

The state, territory, or province where the patient was found or to which the unit responded (or best approximation)

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E08_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

[0-9]{2}

## Data Element Comment

Based on the ANSI State Code.

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)

State

National

## eScene.19 - Incident ZIP Code

## Definition

The ZIP code of the incident location

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E08_15	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

[0-9]{5}||[0-9]{5}-[0-9]{4}||[0-9]{5}-[0-9]{5}||[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

## Data Element Comment

ZIP Codes Product Website: <https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/>  
 Product: USA - 5-digit ZIP Code Database, Commercial Edition

State

National

## eScene.21 - Incident County

## Definition

The county or parish where the patient was found or to which the unit responded (or best approximation)

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E08_13	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

[0-9]{5}

## Data Element Comment

Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)

# eSituation

Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span>M</span> = Mandatory , <span>R</span> = Required , <span>E</span> = Recommended, or <span>O</span> = Optional		
	Attributes:	<span>N</span> = Not Values, <span>P</span> = Pertinent Negatives , <span>L</span> = Nillable, and/or <span>C</span> = Correlation ID		

## eSituation

1 : 1	eSituation.01 - Date/Time of Symptom Onset	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	eSituation.02 - Possible Injury	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	eSituation.07 - Chief Complaint Anatomic Location	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	eSituation.08 - Chief Complaint Organ System	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	eSituation.09 - Primary Symptom	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : M	eSituation.10 - Other Associated Symptoms	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	eSituation.11 - Provider's Primary Impression	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : M	eSituation.12 - Provider's Secondary Impressions	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	eSituation.13 - Initial Patient Acuity	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>

## eSituation

## eSituation.01 - Date/Time of Symptom Onset

## Definition

The date and time the symptom began (or was discovered) as it relates to this EMS event. This is described or estimated by the patient, family, and/or healthcare professionals.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E05_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-[0-9]{2}:[0-9]{2})

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

## Version 3 Changes Implemented

Added to better define the EMS patient event.

State

National

## eSituation.02 - Possible Injury

## Definition

Indication whether or not there was an injury

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_04	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable      7701003 - Not Recorded

## Code List

Code	Description
9922001	No
9922003	Unknown
9922005	Yes

## Data Element Comment

This data element provides documentation to classify the EMS Reason for Encounter as either injury or non-injury related based on mechanism and not on actual injury. eSituation.02 (Possible Injury), eSituation.09 (Primary Symptom), eSituation.07 (Chief Complaint Anatomic Location), and eSituation.08 (Chief Complaint Organ System) are grouped together to form the EMS Reason for Encounter.

State

National

## eSituation.07 - Chief Complaint Anatomic Location

## Definition

The primary anatomic location of the chief complaint as identified by EMS personnel

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_11	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2807001	Abdomen
2807003	Back
2807005	Chest
2807007	Extremity-Lower
2807009	Extremity-Upper
2807011	General/Global
2807013	Genitalia
2807015	Head
2807017	Neck

## Data Element Comment

eSituation.02 (Possible Injury), eSituation.09 (Primary Symptom), eSituation.07 (Chief Complaint Anatomic Location), and eSituation.08 (Chief Complaint Organ System) are grouped together to form the EMS Reason for Encounter.



State

National

## eSituation.08 - Chief Complaint Organ System

## Definition

The primary organ system of the patient injured or medically affected.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_12	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2808001	Behavioral/Psychiatric
2808003	Cardiovascular
2808005	CNS/Neuro
2808007	Endocrine/Metabolic
2808009	GI
2808011	Global/General
2808013	Lymphatic/Immune
2808015	Musculoskeletal/Skin
2808017	Reproductive
2808019	Pulmonary
2808021	Renal

## Data Element Comment

Altered to follow the anatomical organ systems as defined by general anatomy. Added Lymphatic/Immune; Merged Skin with Muscular-Skeletal. Changed OB/Gyn to Reproductive.

Retained non-organ system designations for Global/General and Behavioral/Psychiatric.

eSituation.02 (Possible Injury), eSituation.09 (Primary Symptom), eSituation.07 (Chief Complaint Anatomic Location), and eSituation.08 (Chief Complaint Organ System) are grouped together to form the EMS Reason for Encounter.

State

National

## eSituation.09 - Primary Symptom

## Definition

The primary sign and symptom present in the patient or observed by EMS personnel

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_13	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

(R[0-6][0-9](\.[0-9]{1,4})?|(R73\.[9])(R99))|([A-QSTZ][0-9][0-9A-Z])(\.[0-9A-Z]{1,4})?)

## Data Element Comment

eSituation.02 (Possible Injury), eSituation.09 (Primary Symptom), eSituation.07 (Chief Complaint Anatomic Location), and eSituation.08 (Chief Complaint Organ System) are grouped together to form the EMS Reason for Encounter.

Code list is represented in ICD-10-CM Diagnosis Codes. Reference the NEMSIS Suggested Lists at:  
<http://nemsis.org/v3/resources.html>

ICD-10-CM

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus

State

National

## eSituation.10 - Other Associated Symptoms

## Definition

Other symptoms identified by the patient or observed by EMS personnel

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

**Pattern**

(R[0-6][0-9](\.[0-9]{1,4})?|(R73\.[9])(R99))|([A-QSTZ][0-9][0-9A-Z])(\.[0-9A-Z]{1,4})?)

## Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

ICD-10-CM

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus

State

National

## eSituation.11 - Provider's Primary Impression

## Definition

The EMS personnel's impression of the patient's primary problem or most significant condition which led to the management given to the patient (treatments, medications, or procedures).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_15	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

(R[0-6][0-9](\.[0-9]{1,4})?|(R73\.[9])(R99))|([A-QSTZ][0-9][0-9A-Z])(\.[0-9A-Z]{1,4})?)

## Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

ICD-10-CM

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus

State

National

## eSituation.12 - Provider's Secondary Impressions

## Definition

The EMS personnel's impression of the patient's secondary problem or most significant condition which led to the management given to the patient (treatments, medications, or procedures).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_16	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

(R[0-6][0-9](\.[0-9]{1,4})?|(R73\.[9])(R99))|([A-QSTZ][0-9][0-9A-Z])(\.[0-9A-Z]{1,4})?)

## Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

ICD-10-CM

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus

State

National

## eSituation.13 - Initial Patient Acuity

## Definition

The acuity of the patient's condition upon EMS arrival at the scene.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
2813001	Critical (Red)
2813003	Emergent (Yellow)
2813005	Lower Acuity (Green)
2813007	Dead without Resuscitation Efforts (Black)

## Data Element Comment

Definitions related to "Critical, Emergent, and Lower Acuity" can be found in the National EMS Core Content document from NHTSA EMS (DOT HS 809-898 July 2005) at <http://www.nhtsa.gov/people/injury/ems/emscorecontent/images/EMSCoreContent.pdf>

Dead without Resuscitation Efforts would be appropriate if resuscitation was initiated by non-EMS personnel but discontinued immediately upon evaluation by first arriving EMS personnel.

# eInjury

Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span>M</span> = Mandatory , <span>R</span> = Required , <span>E</span> = Recommended, or <span>O</span> = Optional		
	Attributes:	<span>N</span> = Not Values, <span>P</span> = Pertinent Negatives , <span>L</span> = Nillable, and/or <span>C</span> = Correlation ID		

## eInjury

1 : M	eInjury.01 - Cause of Injury	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : M	eInjury.03 - Trauma Center Criteria	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : M	eInjury.04 - Vehicular, Pedestrian, or Other Injury Risk Factor	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>

## eInjury



State

National

## eInjury.01 - Cause of Injury

## Definition

The category of the reported/suspected external cause of the injury.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E10_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

**Pattern**

([TV-Y][0-9]{2})(\.[0-9A-Z]{1,4})?)

## Data Element Comment

Suggested code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at:  
<http://nemsis.org/v3/resources.html>

Code list is represented in ICD-10 Codes.

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus

State

National

## eInjury.03 - Trauma Center Criteria

## Definition

Physiologic and Anatomic Field Trauma Triage Criteria (steps 1 and 2) as defined by the Centers for Disease Control.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
2903001	Amputation proximal to wrist or ankle
2903003	Crushed, degloved, mangled, or pulseless extremity
2903005	Chest wall instability or deformity (e.g., flail chest)
2903007	Glasgow Coma Score <= 13
2903009	Open or depressed skull fracture
2903011	Paralysis
2903013	Pelvic fractures
2903015	All penetrating injuries to head, neck, torso, and extremities proximal to elbow or knee
2903017	Respiratory Rate <10 or >29 breaths per minute (<20 in infants aged <1 year) or need for ventilatory support
2903019	Systolic Blood Pressure <90 mmHg
2903021	Two or more proximal long-bone fractures

## Data Element Comment

2011 Guidelines for the Field Triage of Injured Patients - value choices for Steps 1 and 2. For falls, one story is equal to 10 feet.

## Version 3 Changes Implemented

Added to better evaluate the CDC-ACS 2011 Guidelines for the Field Triage of Injured Patients.

Website: <http://www.cdc.gov/mmwr/pdf/rr/rr6101.pdf>

State

National

## eInjury.04 - Vehicular, Pedestrian, or Other Injury Risk Factor

## Definition

Mechanism and Special Considerations Field Trauma Triage Criteria (steps 3 and 4) as defined by the Centers for Disease Control.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E10_04	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
2904001	Auto v. Pedestrian/Bicyclist Thrown, Run Over, or > 20 MPH Impact
2904003	Fall Adults: > 20 ft. (one story is equal to 10 ft.)
2904005	Fall Children: > 10 ft. or 2-3 times the height of the child
2904007	Crash Death in Same Passenger Compartment
2904009	Crash Ejection (partial or complete) from automobile
2904011	Crash Intrusion, including roof: > 12 in. occupant site; > 18 in. any site
2904013	Crash Vehicle Telemetry Data (AACN) Consistent with High Risk of Injury
2904015	Motorcycle Crash > 20 MPH
2904017	SBP < 110 for age > 65
2904019	Anticoagulants and Bleeding Disorders
2904021	Pregnancy > 20 weeks
2904023	EMS Provider Judgment
2904025	Burn, without other trauma
2904027	Burn, with trauma mechanism

## Data Element Comment

Assesses mechanism of injury and evidence of high-energy impact (Step 3) AND Assess special patient or system considerations (Step 4) based on CDC 2011 Guidelines for the Field Triage of Injured Patients Step 3 and 4. Website: <http://www.cdc.gov/mmwr/pdf/rr/rr6101.pdf>

## Version 3 Changes Implemented

Added to better evaluate the CDC-ACS 2011 Guidelines for the Field Triage of Injured Patients.

Website: <http://www.cdc.gov/FieldTriage/>

# eArrest

## Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## eArrest

1 : 1	eArrest.01 - Cardiac Arrest	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : 1	eArrest.02 - Cardiac Arrest Etiology	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : M	eArrest.03 - Resuscitation Attempted By EMS	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : M	eArrest.04 - Arrest Witnessed By	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : 1	eArrest.05 - CPR Care Provided Prior to EMS Arrival	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : 1	eArrest.07 - AED Use Prior to EMS Arrival	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : M	eArrest.09 - Type of CPR Provided	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : 1	eArrest.11 - First Monitored Arrest Rhythm of the Patient	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : M	eArrest.12 - Any Return of Spontaneous Circulation	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : 1	eArrest.14 - Date/Time of Cardiac Arrest	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : 1	eArrest.16 - Reason CPR/Resuscitation Discontinued	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : M	eArrest.17 - Cardiac Rhythm on Arrival at Destination	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>
1 : 1	eArrest.18 - End of EMS Cardiac Arrest Event	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray;">R</span>	<span style="background-color: yellow;">N, L</span>

## eArrest

State

National

## eArrest.01 - Cardiac Arrest

## Definition

Indication of the presence of a cardiac arrest at any time during this EMS event.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3001001	No
3001003	Yes, Prior to EMS Arrival
3001005	Yes, After EMS Arrival

## Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria.

If this EMS event is for an interfacility transfer of a patient with a recent history of a cardiac arrest with ROSC, and who does not experience another cardiac arrest during transport, then do not document Cardiac Arrest (eArrest.01) with "Yes, Prior to EMS Arrival".

State

National

## eArrest.02 - Cardiac Arrest Etiology

## Definition

Indication of the etiology or cause of the cardiac arrest (classified as cardiac, non-cardiac, etc.)

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3002001	Cardiac (Presumed)
3002003	Drowning/Submersion
3002005	Drug Overdose
3002007	Electrocution
3002009	Exsanguination
3002011	Other
3002013	Respiratory/Asphyxia
3002015	Trauma

## Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria.

Following the UTSTEIN standard of cardiac arrest etiology the values were determined based on the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".  
<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

State

National

## eArrest.03 - Resuscitation Attempted By EMS

## Definition

Indication of an attempt to resuscitate the patient who is in cardiac arrest (attempted, not attempted due to DNR, etc.)

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_03	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable      7701003 - Not Recorded

## Code List

Code	Description
3003001	Attempted Defibrillation
3003003	Attempted Ventilation
3003005	Initiated Chest Compressions
3003007	Not Attempted-Considered Futile
3003009	Not Attempted-DNR Orders
3003011	Not Attempted-Signs of Circulation

## Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".  
<http://circ.ahajournals.org/cgi/content/full/110/21/3385>



State

National

## eArrest.04 - Arrest Witnessed By

## Definition

Indication of who the cardiac arrest was witnessed by

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_04	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3004001	Not Witnessed
3004003	Witnessed by Family Member
3004005	Witnessed by Healthcare Provider
3004007	Witnessed by Lay Person

## Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".  
<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

State

National

## eArrest.05 - CPR Care Provided Prior to EMS Arrival

## Definition

Documentation of the CPR provided prior to EMS arrival

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
9923001	No
9923003	Yes

## Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".  
<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

State

National

## eArrest.07 - AED Use Prior to EMS Arrival

## Definition

Documentation of AED use Prior to EMS Arrival

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3007001	No
3007003	Yes, Applied without Defibrillation
3007005	Yes, With Defibrillation

## Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".  
<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

State

National

## eArrest.09 - Type of CPR Provided

## Definition

Documentation of the type/technique of CPR used by EMS.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3009001	Compressions-Continuous
3009003	Compressions-External Band Type Device
3009005	Compressions-External Plunger Type Device
3009007	Compressions-External Thumper Type Device
3009009	Compressions-Intermittent with Ventilation
3009011	Compressions-Other Device
3009013	Ventilation-Bag Valve Mask
3009015	Ventilation-Impedance Threshold Device
3009017	Ventilation-Mouth to Mouth
3009019	Ventilation-Pocket Mask

## Data Element Comment

Added to capture special CPR techniques.

State

National

## eArrest.11 - First Monitored Arrest Rhythm of the Patient

## Definition

Documentation of what the first monitored arrest rhythm which was noted

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3011001	Asystole
3011005	PEA
3011007	Unknown AED Non-Shockable Rhythm
3011009	Unknown AED Shockable Rhythm
3011011	Ventricular Fibrillation
3011013	Ventricular Tachycardia-Pulseless

## Data Element Comment

Added term "Arrest" to title to clarify this is the arrest rhythm  
 Values "Other" and "Normal Sinus Rhythm" removed since they are not Cardiac Arrest Rhythms.  
 Value "Ventricular Tachycardia" has been changed to "Ventricular Tachycardia-Pulseless".

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".  
<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

State

National

## eArrest.12 - Any Return of Spontaneous Circulation

## Definition

Indication whether or not there was any return of spontaneous circulation.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3012001	No
3012003	Yes, At Arrival at the ED
3012005	Yes, Prior to Arrival at the ED
3012007	Yes, Sustained for 20 consecutive minutes

## Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".  
<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

This element needs to be documented when the patient has been in cardiac arrest and transported to a healthcare facility to show the change in patient condition, if any.

Any ROSC is defined as any brief (approximately >30 seconds) restoration of spontaneous circulation that provides evidence of more than an occasional gasp, occasional fleeting palpable pulse, or arterial waveform.

State

National

## eArrest.14 - Date/Time of Cardiac Arrest

## Definition

The date/time of the cardiac arrest (if not known, please estimate).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

## NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".

<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

Changed from estimated time prior to EMS arrival to date/time of cardiac arrest.

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

State

National

## eArrest.16 - Reason CPR/Resuscitation Discontinued

## Definition

The reason that CPR or the resuscitation efforts were discontinued.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_10	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3016001	DNR
3016003	Medical Control Order
3016005	Obvious Signs of Death
3016007	Physically Unable to Perform
3016009	Protocol/Policy Requirements Completed
3016011	Return of Spontaneous Circulation (pulse or BP noted)

## Data Element Comment

Added Resuscitation to Title to allow better documentation of disposition.



State

National

## eArrest.17 - Cardiac Rhythm on Arrival at Destination

## Definition

The patient's cardiac rhythm upon delivery or transfer to the destination

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E11_11	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
9901001	Agonal/Idioventricular
9901003	Asystole
9901005	Artifact
9901007	Atrial Fibrillation
9901009	Atrial Flutter
9901011	AV Block-1st Degree
9901013	AV Block-2nd Degree-Type 1
9901015	AV Block-2nd Degree-Type 2
9901017	AV Block-3rd Degree
9901019	Junctional
9901021	Left Bundle Branch Block
9901023	Non-STEMI Anterior Ischemia
9901025	Non-STEMI Inferior Ischemia
9901027	Non-STEMI Lateral Ischemia
9901029	Non-STEMI Posterior Ischemia
9901031	Other
9901033	Paced Rhythm
9901035	PEA
9901037	Premature Atrial Contractions
9901039	Premature Ventricular Contractions
9901041	Right Bundle Branch Block
9901043	Sinus Arrhythmia
9901045	Sinus Bradycardia
9901047	Sinus Rhythm
9901049	Sinus Tachycardia
9901051	STEMI Anterior Ischemia
9901053	STEMI Inferior Ischemia
9901055	STEMI Lateral Ischemia
9901057	STEMI Posterior Ischemia
9901059	Supraventricular Tachycardia
9901061	Torsades De Points
9901063	Unknown AED Non-Shockable Rhythm
9901065	Unknown AED Shockable Rhythm
9901067	Ventricular Fibrillation
9901069	Ventricular Tachycardia (With Pulse)
9901071	Ventricular Tachycardia (Pulseless)

## Data Element Comment

This element needs to be documented when the patient has been in cardiac or respiratory arrest and transported to a healthcare facility to show the change in patient condition, if any. The cardiac rhythm list has been updated to be the same for eVitals.03 (Cardiac Rhythm Electrocardiography (ECG)). They are using the common type: CardiacRhythm. ST segment changes consistent (or not consistent) with STEMI criteria should be documented as Ischemia in the appropriate location



State

National

## eArrest.18 - End of EMS Cardiac Arrest Event

## Definition

The patient's outcome at the end of the EMS event.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Cardiac Arrest

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3018001	Expired in ED
3018003	Expired in the Field
3018005	Ongoing Resuscitation in ED
3018007	ROSC in the Field
3018009	ROSC in the ED
3018011	Ongoing Resuscitation by Other EMS

## Data Element Comment

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".  
<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

## Version 3 Changes Implemented

Added to better identify the outcome of EMS cardiac arrest patients.

# eHistory

Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span></span> M = Mandatory , R = Required , E = Recommended, or O = Optional		
	Attributes:	<span></span> N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID		

eHistory				
1 : M	eHistory.01 - Barriers to Patient Care	<span>N</span>	<span>S</span>	<span>R</span> <span>N, L</span>
1 : M	eHistory.17 - Alcohol/Drug Use Indicators	<span>N</span>	<span>S</span>	<span>R</span> <span>N, L, P</span>
eHistory				

State

National

## eHistory.01 - Barriers to Patient Care

## Definition

Indication of whether or not there were any patient specific barriers to serving the patient at the scene

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3101001	Cultural, Custom, Religious
3101003	Developmentally Impaired
3101005	Hearing Impaired
3101007	Language
3101009	None Noted
3101011	Obesity
3101013	Physical Barrier (Unable to Access Patient)
3101015	Physically Impaired
3101017	Physically Restrained
3101019	Psychologically Impaired
3101021	Sight Impaired
3101023	Speech Impaired
3101025	Unattended or Unsupervised (including minors)
3101027	Unconscious
3101029	Uncooperative
3101031	State of Emotional Distress

## Data Element Comment

State

National

## eHistory.17 - Alcohol/Drug Use Indicators

## Definition

Indicators for the potential use of alcohol or drugs by the patient related to the patient's current illness or injury.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E12_19	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801015 - None Reported

8801019 - Refused

8801023 - Unable to Complete

## Code List

Code	Description
3117001	Alcohol Containers/Paraphernalia at Scene
3117003	Drug Paraphernalia at Scene
3117005	Patient Admits to Alcohol Use
3117007	Patient Admits to Drug Use
3117009	Positive Level known from Law Enforcement or Hospital Record
3117011	Smell of Alcohol on Breath

## Data Element Comment

# eVitals



## Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory, R = Required, E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives, L = Nillable, and/or C = Correlation ID

## eVitals

1 : M	eVitals.VitalGroup				
1 : 1	eVitals.01 - Date/Time Vital Signs Taken	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	eVitals.02 - Obtained Prior to this Unit's EMS Care	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	eVitals.CardiacRhythmGroup				
1 : M	eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG)	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : 1	eVitals.04 - ECG Type	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : M	eVitals.05 - Method of ECG Interpretation	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	eVitals.BloodPressureGroup				
1 : 1	eVitals.06 - SBP (Systolic Blood Pressure)	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : 1	eVitals.08 - Method of Blood Pressure Measurement	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	eVitals.HeartRateGroup				
1 : 1	eVitals.10 - Heart Rate	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : 1	eVitals.12 - Pulse Oximetry	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : 1	eVitals.14 - Respiratory Rate	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : 1	eVitals.16 - End Tidal Carbon Dioxide (ETCO2)	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : 1	eVitals.18 - Blood Glucose Level	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : 1	eVitals.GlasgowScoreGroup				
1 : 1	eVitals.19 - Glasgow Coma Score-Eye	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : 1	eVitals.20 - Glasgow Coma Score-Verbal	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : 1	eVitals.21 - Glasgow Coma Score-Motor	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : M	eVitals.22 - Glasgow Coma Score-Qualifier	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	eVitals.26 - Level of Responsiveness (AVPU)	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	eVitals.PainScaleGroup				
1 : 1	eVitals.27 - Pain Scale Score	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : 1	eVitals.StrokeScaleGroup				
1 : 1	eVitals.29 - Stroke Scale Score	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>
1 : 1	eVitals.30 - Stroke Scale Type	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L</span>
1 : 1	eVitals.31 - Reperfusion Checklist	<span style="background-color: red; color: white;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N, L, P</span>

## eVitals

State

National

## eVitals.01 - Date/Time Vital Signs Taken

## Definition

The date/time vital signs were taken on the patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\\+|\\-)[0-9]{2}:[0-9]{2}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

State

National

## eVitals.02 - Obtained Prior to this Unit's EMS Care

## Definition

Indicates that the information which is documented was obtained prior to the documenting EMS units care.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
9923001	No
9923003	Yes

## Data Element Comment

This is the NEMSIS Version 3 method to document prior aid.

State

National

## eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG)

## Definition

The cardiac rhythm / ECG and other electrocardiography findings of the patient as interpreted by EMS personnel.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_03	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Cardiac Arrest      STEMI

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801019 - Refused      8801023 - Unable to Complete

## Code List

Code	Description
9901001	Agonal/Idioventricular
9901003	Asystole
9901005	Artifact
9901007	Atrial Fibrillation
9901009	Atrial Flutter
9901011	AV Block-1st Degree
9901013	AV Block-2nd Degree-Type 1
9901015	AV Block-2nd Degree-Type 2
9901017	AV Block-3rd Degree
9901019	Junctional
9901021	Left Bundle Branch Block
9901023	Non-STEMI Anterior Ischemia
9901025	Non-STEMI Inferior Ischemia
9901027	Non-STEMI Lateral Ischemia
9901029	Non-STEMI Posterior Ischemia
9901031	Other
9901033	Paced Rhythm
9901035	PEA
9901037	Premature Atrial Contractions
9901039	Premature Ventricular Contractions
9901041	Right Bundle Branch Block
9901043	Sinus Arrhythmia
9901045	Sinus Bradycardia
9901047	Sinus Rhythm
9901049	Sinus Tachycardia
9901051	STEMI Anterior Ischemia
9901053	STEMI Inferior Ischemia
9901055	STEMI Lateral Ischemia
9901057	STEMI Posterior Ischemia
9901059	Supraventricular Tachycardia
9901061	Torsades De Points
9901063	Unknown AED Non-Shockable Rhythm
9901065	Unknown AED Shockable Rhythm
9901067	Ventricular Fibrillation
9901069	Ventricular Tachycardia (With Pulse)
9901071	Ventricular Tachycardia (Pulseless)

## Data Element Comment



State

National

## eVitals.04 - ECG Type

## Definition

The type of ECG associated with the cardiac rhythm.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

STEMI

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3304001	3 Lead
3304003	4 Lead
3304005	5 Lead
3304007	12 Lead-Left Sided (Normal)
3304009	12 Lead-Right Sided
3304011	15 Lead
3304013	18 Lead
3304015	Other (AED, Not Listed)

## Data Element Comment

## Version 3 Changes Implemented

Added to better document ECG results.

State

National

## eVitals.05 - Method of ECG Interpretation

## Definition

The method of ECG interpretation.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

STEMI

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3305001	Computer Interpretation
3305003	Manual Interpretation
3305005	Transmission with No Interpretation
3305007	Transmission with Remote Interpretation

## Data Element Comment

"Transmission with no interpretation" may be used by EMS Agency Personnel that are not trained to interpret cardiac rhythms.

## Version 3 Changes Implemented

Added to better document ECG results.

State

National

## eVitals.06 - SBP (Systolic Blood Pressure)

## Definition

The patient's systolic blood pressure.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_04	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present    8801019 - Refused                      8801023 - Unable to Complete

## Constraints

<b>Data Type</b>	<b>minInclusive</b>	<b>maxInclusive</b>
integer	0	500

## Data Element Comment

Required for ACS-Field Triage and other patient scoring systems.



State

National

## eVitals.08 - Method of Blood Pressure Measurement

## Definition

Indication of method of blood pressure measurement.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3308001	Arterial Line
3308003	Doppler
3308005	Cuff-Automated
3308007	Cuff-Manual Auscultated
3308009	Cuff-Manual Palpated Only
3308011	Venous Line

## Data Element Comment

State

National

## eVitals.10 - Heart Rate

## Definition

The patient's heart rate expressed as a number per minute.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present    8801019 - Refused                      8801023 - Unable to Complete

## Constraints

Data Type	minInclusive	maxInclusive
integer	0	500

## Data Element Comment

Pulse Rate and Electronic Monitor Rate have been merged with an additional data element for Method of Heart Rate Measurement.

State

National

## eVitals.12 - Pulse Oximetry

## Definition

The patient's oxygen saturation.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_09	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present    8801019 - Refused                      8801023 - Unable to Complete

## Constraints

Data Type	minInclusive	maxInclusive
integer	0	100

## Data Element Comment

State

National

## eVitals.14 - Respiratory Rate

## Definition

The patient's respiratory rate expressed as a number per minute.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_11	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801005 - Exam Finding Not Present    8801019 - Refused                      8801023 - Unable to Complete

## Constraints

<b>Data Type</b>	<b>minInclusive</b>	<b>maxInclusive</b>
integer	0	300

## Data Element Comment

State

National

## eVitals.16 - End Tidal Carbon Dioxide (ETCO2)

## Definition

The numeric value of the patient's exhaled end tidal carbon dioxide (ETCO2) level measured as a unit of pressure in millimeters of mercury (mmHg).

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_13	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801019 - Refused                      8801023 - Unable to Complete

## Constraints

<b>Data Type</b>	<b>minInclusive</b>	<b>maxInclusive</b>
integer	0	200

## Data Element Comment

State

National

## eVitals.18 - Blood Glucose Level

## Definition

The patient's blood glucose level.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Pediatric      Stroke

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801019 - Refused

8801023 - Unable to Complete

## Constraints

Data Type	minInclusive	maxInclusive
integer	0	2000

## Data Element Comment

For glucometers with "High" and "Low" readings, report "600" for "High" and "20" for "Low".

State

National

## eVitals.19 - Glasgow Coma Score-Eye

## Definition

The patient's Glasgow Coma Score Eye opening.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_15	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801019 - Refused                      8801023 - Unable to Complete

## Code List

Code	Description
1	No eye movement when assessed (All Age Groups)
2	Opens Eyes to painful stimulation (All Age Groups)
3	Opens Eyes to verbal stimulation (All Age Groups)
4	Opens Eyes spontaneously (All Age Groups)

## Data Element Comment

Definitions now based on the National Trauma Data Standard (NTDS).

State

National

## eVitals.20 - Glasgow Coma Score-Verbal

## Definition

The patient's Glasgow Coma Score Verbal.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_16	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801019 - Refused

8801023 - Unable to Complete

## Code List

Code	Description
1	No verbal/vocal response (All Age Groups)
2	Incomprehensible sounds (>2 Years); Inconsolable, agitated
3	Inappropriate words (>2 Years); Inconsistently consolable, moaning
4	Confused (>2 Years); Cries but is consolable, inappropriate interactions
5	Oriented (>2 Years); Smiles, oriented to sounds, follows objects, interacts

## Data Element Comment

Definitions now based on the National Trauma Data Standard (NTDS).



State

National

## eVitals.21 - Glasgow Coma Score-Motor

## Definition

The patient's Glasgow Coma Score Motor

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_17	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801019 - Refused                      8801023 - Unable to Complete

## Code List

Code	Description
1	No Motor Response (All Age Groups)
2	Extension to pain (All Age Groups)
3	Flexion to pain (All Age Groups)
4	Withdrawal from pain (All Age Groups)
5	Localizing pain (All Age Groups)
6	Obeys commands (>2Years); Appropriate response to stimulation

## Data Element Comment

Definitions now based on the National Trauma Data Standard (NTDS).

State

National

## eVitals.22 - Glasgow Coma Score-Qualifier

## Definition

Documentation of factors which make the GCS score more meaningful.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_18	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
3322001	Eye Obstruction Prevents Eye Assessment
3322003	Initial GCS has legitimate values without interventions such as intubation and sedation
3322005	Patient Chemically Paralyzed
3322007	Patient Chemically Sedated
3322009	Patient Intubated

## Data Element Comment

Definitions now based on the National Trauma Data Standard (NTDS).

State

National

## eVitals.26 - Level of Responsiveness (AVPU)

## Definition

The patient's highest level of responsiveness.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_22	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
3326001	Alert
3326003	Verbal
3326005	Painful
3326007	Unresponsive

## Data Element Comment

Definition changed to indicate highest level of responsiveness.

State

National

## eVitals.27 - Pain Scale Score

## Definition

The patient's indication of pain from a scale of 0-10.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_23	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Pediatric    STEMI    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801019 - Refused                      8801023 - Unable to Complete

## Constraints

Data Type	minInclusive	maxInclusive
integer	0	10

## Data Element Comment

The Pain Score can be obtained from several pain measurement tools or pain scale types (eVitals.28). The pain scale type used should have a numeric value associated with each diagram as appropriate. If the pain scale type utilizes multiple indicators/categories the total should be calculated and entered for the pain score associated with the patient assessment.

State

National

## eVitals.29 - Stroke Scale Score

## Definition

The findings or results of the Stroke Scale Type (eVitals.30) used to assess the patient exhibiting stroke-like symptoms.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_24	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Stroke

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801019 - Refused

8801023 - Unable to Complete

## Code List

Code	Description
3329001	Negative
3329003	Non-Conclusive
3329005	Positive

## Data Element Comment

State

National

## eVitals.30 - Stroke Scale Type

## Definition

The type of stroke scale used.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Stroke

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3330001	Cincinnati
3330003	Los Angeles
3330005	Massachusetts
3330007	Miami Emergency Neurologic Deficit (MEND)
3330009	NIH
3330011	Other Stroke Scale Type
3330013	F.A.S.T. Exam

## Data Element Comment

## Version 3 Changes Implemented

Added to include additional detail on the stroke scale used.

State

National

## eVitals.31 - Reperfusion Checklist

## Definition

The results of the patient's Reperfusion Checklist for potential Thrombolysis use.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_25	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

STEMI      Stroke

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801019 - Refused      8801023 - Unable to Complete

## Code List

Code	Description
3331001	Definite Contraindications to Thrombolytic Use
3331003	No Contraindications to Thrombolytic Use
3331005	Possible Contraindications to Thrombolytic Use

## Data Element Comment

Name changed from Thrombolytic Screen

# eProtocols



Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span>M</span> = Mandatory , <span>R</span> = Required , <span>E</span> = Recommended, or <span>O</span> = Optional		
	Attributes:	<span>N</span> = Not Values, <span>P</span> = Pertinent Negatives , <span>L</span> = Nillable, and/or <span>C</span> = Correlation ID		

eProtocols

1 : M	eProtocols.ProtocolGroup					
	1 : 1	eProtocols.01 - Protocols Used	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
	1 : 1	eProtocols.02 - Protocol Age Category	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>

eProtocols

State

National

## eProtocols.01 - Protocols Used

## Definition

The protocol used by EMS personnel to direct the clinical care of the patient

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E17_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
9914001	Airway
9914003	Airway-Failed
9914005	Airway-Obstruction/Foreign Body
9914007	Airway-Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway-Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest-Asystole
9914013	Cardiac Arrest-Hypothermia-Therapeutic
9914015	Cardiac Arrest-Pulseless Electrical Activity
9914017	Cardiac Arrest-Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest-Post Resuscitation Care
9914021	Environmental-Altitude Sickness
9914023	Environmental-Cold Exposure
9914025	Environmental-Frostbite/Cold Injury
9914027	Environmental-Heat Exposure/Exhaustion
9914029	Environmental-Heat Stroke/Hyperthermia
9914031	Environmental-Hypothermia
9914033	Exposure-Airway/Inhalation Irritants
9914035	Exposure-Biological/Infectious
9914037	Exposure-Blistering Agents
9914041	Exposure-Chemicals to Eye
9914043	Exposure-Cyanide
9914045	Exposure-Explosive/ Blast Injury
9914047	Exposure-Nerve Agents
9914049	Exposure-Radiologic Agents
9914051	General-Back Pain
9914053	General-Behavioral/Patient Restraint
9914055	General-Cardiac Arrest
9914057	General-Dental Problems
9914059	General-Epistaxis
9914061	General-Fever
9914063	General-Individualized Patient Protocol
9914065	General-Indwelling Medical Devices/Equipment
9914067	General-IV Access
9914069	General-Medical Device Malfunction
9914071	General-Pain Control
9914073	General-Spinal Immobilization/Clearance
9914075	General-Universal Patient Care/ Initial Patient Contact
9914077	Injury-Amputation
9914079	Injury-Bites and Envenomations-Land
9914081	Injury-Bites and Envenomations-Marine
9914083	Injury-Bleeding/ Hemorrhage Control
9914085	Injury-Burns-Thermal

9914087 Injury-Cardiac Arrest  
9914089 Injury-Crush Syndrome  
9914091 Injury-Diving Emergencies  
9914093 Injury-Drowning/Near Drowning  
9914095 Injury-Electrical Injuries  
9914097 Injury-Extremity  
9914099 Injury-Eye  
9914101 Injury-Head  
9914103 Injury-Impaled Object  
9914105 Injury-Multisystem  
9914107 Injury-Spinal Cord  
9914109 Medical-Abdominal Pain  
9914111 Medical-Allergic Reaction/Anaphylaxis  
9914113 Medical-Altered Mental Status  
9914115 Medical-Bradycardia  
9914117 Medical-Cardiac Chest Pain  
9914119 Medical-Diarrhea  
9914121 Medical-Hyperglycemia  
9914123 Medical-Hypertension  
9914125 Medical-Hypoglycemia/Diabetic Emergency  
9914127 Medical-Hypotension/Shock (Non-Trauma)  
9914129 Medical-Influenza-Like Illness/ Upper Respiratory Infection  
9914131 Medical-Nausea/Vomiting  
9914133 Medical-Newborn/ Neonatal Resuscitation  
9914135 General-Overdose/Poisoning/Toxic Ingestion  
9914137 Medical-Pulmonary Edema/CHF  
9914139 Medical-Respiratory Distress/Asthma/COPD/Reactive Airway  
9914141 Medical-Seizure  
9914143 Medical-ST-Elevation Myocardial Infarction (STEMI)  
9914145 Medical-Stroke/TIA  
9914147 Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)  
9914149 Medical-Syncope  
9914151 Medical-Ventricular Tachycardia (With Pulse)  
9914153 Not Done  
9914155 OB/GYN-Childbirth/Labor/Delivery  
9914157 OB/GYN-Eclampsia  
9914159 OB/GYN-Gynecologic Emergencies  
9914161 OB/GYN-Pregnancy Related Emergencies  
9914163 OB/GYN-Post-partum Hemorrhage  
9914165 Other  
9914167 Exposure-Carbon Monoxide  
9914169 Cardiac Arrest-Do Not Resuscitate  
9914171 Cardiac Arrest-Special Resuscitation Orders  
9914173 Exposure-Smoke Inhalation  
9914175 General-Community Paramedicine / Mobile Integrated Healthcare  
9914177 General-Exception Protocol  
9914179 General-Extended Care Guidelines  
9914181 General-Interfacility Transfers  
9914183 General-Law Enforcement - Blood for Legal Purposes  
9914185 General-Law Enforcement - Assist with Law Enforcement Activity  
9914187 General-Neglect or Abuse Suspected  
9914189 General-Refusal of Care  
9914191 Injury-Mass/Multiple Casualties  
9914193 Injury-Thoracic  
9914195 Medical-Adrenal Insufficiency  
9914197 Medical-Apparent Life Threatening Event (ALTE)  
9914199 Medical-Tachycardia  
9914201 Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts  
9914203 Injury-Conducted Electrical Weapon (e.g., Taser)  
9914205 Injury-Facial Trauma  
9914207 Injury-General Trauma Management  
9914209 Injury-Lightning/Lightning Strike  
9914211 Injury-SCUBA Injury/Accidents  
9914213 Injury-Topical Chemical Burn  
9914215 Medical-Beta Blocker Poisoning/Overdose  
9914217 Medical-Calcium Channel Blocker Poisoning/Overdose  
9914219 Medical-Opioid Poisoning/Overdose  
9914221 Medical-Respiratory Distress-Bronchiolitis  
9914223 Medical-Respiratory Distress-Croup

<b>Data Element Comment</b>
-----------------------------

Protocols are grouped into Airway, Environmental, Exposure, General, Injury, Medical, and OB/GYN.

There is a new data element EProtocols.02 to indicate whether the protocol is Adult, Pediatric, or General (both).

State and local entities can add additional protocols to the list but the additional protocols must map to these uniform codes. The protocol code list should be derived from dConfiguration.05 and/or dConfiguration.10

State

National

## eProtocols.02 - Protocol Age Category

## Definition

The age group the protocol is written to address

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
3602001	Adult Only
3602003	General
3602005	Pediatric Only

## Data Element Comment

Protocols are grouped into Airway, Environmental, Exposure, General, Injury, Medical, and OB/GYN. -There is a new data element to indicate whether the protocol is Adult, Pediatric, or General (both).

## Version 3 Changes Implemented

Added to better document protocol use.

# eMedications

## Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## eMedications

1 : M	eMedications.MedicationGroup					
1 : 1	eMedications.01 - Date/Time Medication Administered	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N</span>	<span style="border: 1px solid black; padding: 0 2px;">L</span>
1 : 1	eMedications.02 - Medication Administered Prior to this Unit's EMS Care	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N</span>	<span style="border: 1px solid black; padding: 0 2px;">L</span>
1 : 1	eMedications.03 - Medication Given	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N</span>	<span style="border: 1px solid black; padding: 0 2px;">L</span> , <span style="border: 1px solid black; padding: 0 2px;">P</span>
1 : 1	eMedications.DosageGroup					
1 : 1	eMedications.05 - Medication Dosage	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N</span>	<span style="border: 1px solid black; padding: 0 2px;">L</span>
1 : 1	eMedications.06 - Medication Dosage Units	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N</span>	<span style="border: 1px solid black; padding: 0 2px;">L</span>
1 : 1	eMedications.07 - Response to Medication	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N</span>	<span style="border: 1px solid black; padding: 0 2px;">L</span>
1 : M	eMedications.08 - Medication Complication	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N</span>	<span style="border: 1px solid black; padding: 0 2px;">L</span>
1 : 1	eMedications.10 - Role/Type of Person Administering Medication	<span style="color: red;">N</span>	<span style="color: orange;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">R</span>	<span style="border: 1px solid black; padding: 0 2px;">N</span>	<span style="border: 1px solid black; padding: 0 2px;">L</span>

## eMedications

## eMedications.01 - Date/Time Medication Administered

## Definition

The date/time medication administered to the patient

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

**Pattern**

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration



State

National

## eMedications.02 - Medication Administered Prior to this Unit's EMS Care

## Definition

Indicates that the medication administration which is documented was administered prior to this EMS units care

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
9923001	No
9923003	Yes

## Data Element Comment

This is the NEMSIS Version 3 method to document prior aid.

State

National

## eMedications.03 - Medication Given

## Definition

The medication given to the patient

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_03	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801001 - Contraindication Noted

8801003 - Denied By Order

8801007 - Medication Allergy

8801009 - Medication Already Taken

8801019 - Refused

8801023 - Unable to Complete

## Constraints

Data Type	minLength	maxLength
string	2	7

## Data Element Comment

List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

RxNorm

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus

Website - <http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html>

Product - RxNorm Full Monthly Release

State

National

## eMedications.05 - Medication Dosage

## Definition

The dose or amount of the medication given to the patient

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

<b>Data Type</b>	<b>totalDigits</b>	<b>fractionDigits</b>
decimal	9	3

## Data Element Comment

State

National

## eMedications.06 - Medication Dosage Units

## Definition

The unit of medication dosage given to patient

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3706001	Grams (gms)
3706003	Inches (in)
3706005	International Units (IU)
3706007	Keep Vein Open (kvo)
3706009	Liters (l)
3706011	Liters Per Minute (l/min [fluid])
3706013	Metered Dose (MDI)
3706015	Micrograms (mcg)
3706017	Micrograms per Kilogram per Minute (mcg/kg/min)
3706019	Milliequivalents (mEq)
3706021	Milligrams (mg)
3706023	Milligrams per Kilogram Per Minute (mg/kg/min)
3706025	Milliliters (ml)
3706027	Milliliters per Hour (ml/hr)
3706029	Other
3706031	Centimeters (cm)
3706033	Drops (gtts)
3706035	Liters Per Minute (LPM [gas])
3706037	Micrograms per Minute (mcg/min)
3706039	Milligrams per Kilogram (mg/kg)
3706041	Milligrams per Minute (mg/min)
3706043	Puffs
3706045	Units per Hour (units/hr)
3706047	Micrograms per Kilogram (mcg/kg)
3706049	Units
3706051	Units per Kilogram per Hour (units/kg/hr)
3706053	Units per Kilogram (units/kg)

## Data Element Comment

State

National

## eMedications.07 - Response to Medication

## Definition

The patient's response to the medication

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

## Data Element Comment

State

National

## eMedications.08 - Medication Complication

## Definition

Any complication (abnormal effect on the patient) associated with the administration of the medication to the patient by EMS

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Attributes

## NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3708001	Altered Mental Status
3708003	Apnea
3708005	Bleeding
3708007	Bradycardia
3708009	Bradypnea
3708011	Diarrhea
3708013	Extravasation
3708015	Hypertension
3708017	Hyperthermia
3708019	Hypotension
3708021	Hypothermia
3708023	Hypoxia
3708025	Injury
3708029	Nausea
3708031	None
3708033	Other
3708035	Respiratory Distress
3708037	Tachycardia
3708039	Tachypnea
3708041	Vomiting
3708043	Itching
3708045	Urticaria

## Data Element Comment

State

National

## eMedications.10 - Role/Type of Person Administering Medication

## Definition

The type (level) of EMS or Healthcare Professional Administering the Medication. For medications administered prior to EMS arrival, this may be a non-EMS healthcare professional.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

## NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
9905001	2009 Advanced Emergency Medical Technician (AEMT)
9905003	2009 Emergency Medical Responder (EMR)
9905005	2009 Emergency Medical Technician (EMT)
9905007	2009 Paramedic
9905009	EMT-Basic
9905011	EMT-Intermediate
9905013	EMT-Paramedic
9905015	First Responder
9905019	Other Healthcare Professional
9905021	Other Non-Healthcare Professional
9905023	Patient/Lay Person
9905025	Physician
9905027	Respiratory Therapist
9905029	Student
9905031	Critical Care Paramedic
9905033	Community Paramedicine
9905035	Nurse Practitioner
9905037	Physician Assistant
9905039	Licensed Practical Nurse (LPN)
9905041	Registered Nurse

## Data Element Comment

Added to document the type of healthcare professional administering the medication. This could be auto-completed from the crew ID but is necessary to document medication administration prior to EMS arrival. State may maintain an enumerated list but must collapse to the National Standard.

The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

## Version 3 Changes Implemented

Added to better document the type of healthcare professional who administered the medication.

# eProcedures



## Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## eProcedures

1 : M	eProcedures.ProcedureGroup					
1 : 1	eProcedures.01 - Date/Time Procedure Performed	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>	
1 : 1	eProcedures.02 - Procedure Performed Prior to this Unit's EMS Care	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>	
1 : 1	eProcedures.03 - Procedure	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L, P</span>	
1 : 1	eProcedures.05 - Number of Procedure Attempts	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>	
1 : 1	eProcedures.06 - Procedure Successful	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>	
1 : M	eProcedures.07 - Procedure Complication	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>	
1 : 1	eProcedures.08 - Response to Procedure	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>	
1 : 1	eProcedures.10 - Role/Type of Person Performing the Procedure	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; color: black;">R</span>	<span style="background-color: yellow; color: black;">N, L</span>	

## eProcedures

## eProcedures.01 - Date/Time Procedure Performed

## Definition

The date/time the procedure was performed on the patient

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

**Pattern**

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

State

National

## eProcedures.02 - Procedure Performed Prior to this Unit's EMS Care

## Definition

Indicates that the procedure which was performed and documented was performed prior to this EMS units care.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
9923001	No
9923003	Yes

## Data Element Comment

This is the NEMSIS Version 3 method to document prior aid.

## eProcedures.03 - Procedure

## Definition

The procedure performed on the patient.

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_03	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801001 - Contraindication Noted                      8801003 - Denied By Order                      8801019 - Refused  
8801023 - Unable to Complete

## Constraints

<b>Data Type</b>	<b>maxInclusive</b>	<b>minInclusive</b>
integer	9999999999999999	100000

## Data Element Comment

Procedures which are recorded as a Vital Sign do not have to be documented in the Procedure Section.  
Code list is represented in SNOMEDCT. Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

## SNOMEDCT

Website: [http://www.nlm.nih.gov/research/umls/Snomed/snomed\\_main.html](http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html)

Product: Product - UMLS Metathesaurus

State

National

## eProcedures.05 - Number of Procedure Attempts

## Definition

The number of attempts taken to complete a procedure or intervention regardless of success.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable      7701003 - Not Recorded

## Constraints

Data Type	minInclusive	maxInclusive
integer	1	10

## Data Element Comment

State

National

## eProcedures.06 - Procedure Successful

## Definition

Indicates that this individual procedure attempt which was performed on the patient was successful.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
9923001	No
9923003	Yes

## Data Element Comment

State

National

## eProcedures.07 - Procedure Complication

## Definition

Any complication (abnormal effect on the patient) associated with the performance of the procedure on the patient

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Airway    Pediatric    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
3907001	Altered Mental Status
3907003	Apnea
3907005	Bleeding
3907007	Bradypnea
3907009	Diarrhea
3907011	Esophageal Intubation-immediately
3907013	Esophageal Intubation-other
3907015	Extravasation
3907017	Hypertension
3907019	Hyperthermia
3907021	Hypotension
3907023	Hypothermia
3907025	Hypoxia
3907027	Injury
3907031	Nausea
3907033	None
3907035	Other
3907039	Respiratory Distress
3907041	Tachycardia
3907043	Tachypnea
3907045	Vomiting
3907047	Bradycardia
3907049	Itching
3907051	Urticaria

## Data Element Comment

State

National

## eProcedures.08 - Response to Procedure

## Definition

The patient's response to the procedure

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E19_08	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

## Data Element Comment



State

National

## eProcedures.10 - Role/Type of Person Performing the Procedure

## Definition

The type (level) of EMS or Healthcare Professional performing the procedure. For procedures performed prior to EMS arrival, this may be a non-EMS healthcare professional.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
9905001	2009 Advanced Emergency Medical Technician (AEMT)
9905003	2009 Emergency Medical Responder (EMR)
9905005	2009 Emergency Medical Technician (EMT)
9905007	2009 Paramedic
9905009	EMT-Basic
9905011	EMT-Intermediate
9905013	EMT-Paramedic
9905015	First Responder
9905019	Other Healthcare Professional
9905021	Other Non-Healthcare Professional
9905023	Patient/Lay Person
9905025	Physician
9905027	Respiratory Therapist
9905029	Student
9905031	Critical Care Paramedic
9905033	Community Paramedicine
9905035	Nurse Practitioner
9905037	Physician Assistant
9905039	Licensed Practical Nurse (LPN)
9905041	Registered Nurse

## Data Element Comment

Added to document the type of healthcare professional administering the medication. This could be auto-completed from the crew ID but is necessary to document medication administration prior to EMS arrival. State may maintain an enumerated list but must collapse to the National Standard.

The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

## Version 3 Changes Implemented

Added to document the type of healthcare professional performing the procedure.

# eDisposition

### Legend

Dataset Level: **N** National    **S** State    **D** Deprecated

Usage: ☐ M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes:   N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## eDisposition

1 : 1	eDisposition.DestinationGroup				
1 : 1	eDisposition.05 - Destination State	N	S	R	N, L
1 : 1	eDisposition.06 - Destination County	N	S	R	N, L
1 : 1	eDisposition.07 - Destination ZIP Code	N	S	R	N, L
1 : 1	eDisposition.12 - Incident/Patient Disposition	N	S	M	
1 : 1	eDisposition.16 - EMS Transport Method	N	S	R	N, L
1 : 1	eDisposition.17 - Transport Mode from Scene	N	S	R	N, L
1 : M	eDisposition.18 - Additional Transport Mode Descriptors	N	S	R	N, L
1 : 1	eDisposition.19 - Final Patient Acuity	N	S	R	N, L
1 : M	eDisposition.20 - Reason for Choosing Destination	N	S	R	N, L
1 : 1	eDisposition.21 - Type of Destination	N	S	R	N, L
1 : 1	eDisposition.22 - Hospital In-Patient Destination	N	S	R	N, L
1 : 1	eDisposition.23 - Hospital Capability	N	S	R	N, L
1 : M	eDisposition.HospitalTeamActivationGroup				
1 : 1	eDisposition.24 - Destination Team Pre-Arrival Alert or Activation	N	S	R	N, L
1 : 1	eDisposition.25 - Date/Time of Destination Prearrival Alert or Activation	N	S	R	N, L

## eDisposition

State

National

## eDisposition.05 - Destination State

## Definition

The state of the destination the patient was delivered or transferred to.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

[0-9]{2}

## Data Element Comment

Based on the ANSI Code. May be auto-populated if list created in dFacility.09 (Facility State).

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)

State

National

## eDisposition.06 - Destination County

## Definition

The destination county in which the patient was delivered or transferred to.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_06	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

[0-9]{5}

## Data Element Comment

May be auto-populated if list created in dFacility.11 (Facility County). Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)

State

National

## eDisposition.07 - Destination ZIP Code

## Definition

The destination ZIP code in which the patient was delivered or transferred to.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

**Pattern**

[0-9]{5}||[0-9]{5}-[0-9]{4}||[0-9]{5}-[0-9]{5}||[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

## Data Element Comment

May be auto-populated if list created in dFacility.10 (Facility ZIP Code).

ZIP Codes Product Website: <https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/>

Product: USA - 5-digit ZIP Code Database, Commercial Edition

State

National

## eDisposition.12 - Incident/Patient Disposition

## Definition

Type of disposition treatment and/or transport of the patient by this EMS Unit.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	E20_10	Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
4212001	Assist, Agency
4212003	Assist, Public
4212005	Assist, Unit
4212007	Canceled (Prior to Arrival At Scene)
4212009	Canceled on Scene (No Patient Contact)
4212011	Canceled on Scene (No Patient Found)
4212013	Patient Dead at Scene-No Resuscitation Attempted (With Transport)
4212015	Patient Dead at Scene-No Resuscitation Attempted (Without Transport)
4212017	Patient Dead at Scene-Resuscitation Attempted (With Transport)
4212019	Patient Dead at Scene-Resuscitation Attempted (Without Transport)
4212021	Patient Evaluated, No Treatment/Transport Required
4212023	Patient Refused Evaluation/Care (With Transport)
4212025	Patient Refused Evaluation/Care (Without Transport)
4212027	Patient Treated, Released (AMA)
4212029	Patient Treated, Released (per protocol)
4212031	Patient Treated, Transferred Care to Another EMS Unit
4212033	Patient Treated, Transported by this EMS Unit
4212035	Patient Treated, Transported by Law Enforcement
4212037	Patient Treated, Transported by Private Vehicle
4212039	Standby-No Services or Support Provided
4212041	Standby-Public Safety, Fire, or EMS Operational Support Provided
4212043	Transport Non-Patient, Organs, etc.

## Data Element Comment

State

National

## eDisposition.16 - EMS Transport Method

## Definition

Transport method by this EMS Unit.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable      7701003 - Not Recorded

## Code List

Code	Description
4216001	Air Medical-Fixed Wing
4216003	Air Medical-Rotor Craft
4216005	Ground-Ambulance
4216007	Ground-ATV or Rescue Vehicle
4216009	Ground-Bariatric
4216011	Ground-Other Not Listed
4216013	Ground-Mass Casualty Bus/Vehicle
4216015	Ground-Wheelchair Van
4216017	Water-Boat

## Data Element Comment

Required if the patient is transported by EMS.

## Version 3 Changes Implemented

Added to better describe Air and Ground Transport methods.



State

National

## eDisposition.17 - Transport Mode from Scene

## Definition

Indication whether the transport was emergent or non-emergent.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_14	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
4217001	Emergent (Immediate Response)
4217003	Emergent Downgraded to Non-Emergent
4217005	Non-Emergent
4217007	Non-Emergent Upgraded to Emergent

## Data Element Comment

Information now split between eDisposition.17 (Transport Mode from Scene) and eDisposition.18 (Additional Transport Mode Descriptors). Element eDisposition.18 (Additional Transport Mode Descriptors) has been added to document the use of lights and sirens or other descriptive information.

State

National

## eDisposition.18 - Additional Transport Mode Descriptors

## Definition

The documentation of transport mode techniques for this EMS response.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
4218001	Intersection Navigation-Against Normal Light Patterns
4218003	Intersection Navigation-With Automated Light Changing Technology
4218005	Intersection Navigation-With Normal Light Patterns
4218007	Speed-Enhanced per Local Policy
4218009	Speed-Normal Traffic
4218011	Lights and Sirens
4218013	Lights and No Sirens
4218015	No Lights or Sirens
4218017	Initial No Lights or Sirens, Upgraded to Lights and Sirens
4218019	Initial Lights and Sirens, Downgraded to No Lights or Sirens

## Data Element Comment

Information now split between eDisposition.17 (Transport Mode from Scene) and eDisposition.18 (Additional Transport Mode Descriptors). Element eDisposition.18 (Additional Transport Mode Descriptors) has been added to document the use of lights and sirens or other descriptive information.

State

National

## eDisposition.19 - Final Patient Acuity

## Definition

The acuity of the patient's condition after EMS care.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_15	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
4219001	Critical (Red)
4219003	Emergent (Yellow)
4219005	Lower Acuity (Green)
4219007	Dead without Resuscitation Efforts (Black)

## Data Element Comment

Definitions related to "Critical, Emergent, and Lower Acuity" can be found in the National EMS Core Content document from NHTSA EMS (DOT HS 809-898 July 2005) at

<http://www.nhtsa.gov/people/injury/ems/emscorecontent/images/EMSCoreContent.pdf>

State

National

## eDisposition.20 - Reason for Choosing Destination

## Definition

The reason the unit chose to deliver or transfer the patient to the destination

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_16	Is Nillable	Yes
Usage	Required	Recurrence	1 : M

## Associated Performance Measure Initiatives

Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
4220001	Closest Facility
4220003	Diversion
4220005	Family Choice
4220007	Insurance Status/Requirement
4220009	Law Enforcement Choice
4220011	On-Line/On-Scene Medical Direction
4220013	Other
4220015	Patient's Choice
4220017	Patient's Physician's Choice
4220019	Protocol
4220021	Regional Specialty Center

## Data Element Comment

Required if Patient Transported

State

National

## eDisposition.21 - Type of Destination

## Definition

The type of destination the patient was delivered or transferred to

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E20_17	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
4221001	Home
4221003	Hospital-Emergency Department
4221005	Hospital-Non-Emergency Department Bed
4221007	Medical Office/Clinic
4221009	Morgue/Mortuary
4221011	Nursing Home/Assisted Living Facility
4221013	Other
4221015	Other EMS Responder (air)
4221017	Other EMS Responder (ground)
4221019	Police/Jail
4221021	Urgent Care
4221023	Freestanding Emergency Department

## Data Element Comment

Required if Patient Transported by EMS.

State

National

## eDisposition.22 - Hospital In-Patient Destination

## Definition

The location within the hospital that the patient was taken directly by EMS (e.g., Cath Lab, ICU, etc.).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

## NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
4222001	Hospital-Burn
4222003	Hospital-Cath Lab
4222005	Hospital-CCU
4222007	Hospital-Endoscopy
4222009	Hospital-Hospice
4222011	Hospital-Hyperbaric Oxygen Treatment
4222013	Hospital-ICU
4222015	Hospital-Labor & Delivery
4222017	Hospital-Med/Surg
4222019	Hospital-Mental Health
4222021	Hospital-MICU
4222023	Hospital-NICU
4222025	Hospital-Nursery
4222027	Hospital-Peds (General)
4222029	Hospital-Peds ICU
4222031	Hospital-OR
4222033	Hospital-Orthopedic
4222035	Hospital-Other
4222037	Hospital-Out-Patient Bed
4222039	Hospital-Radiology Services - MRI
4222041	Hospital-Radiology Services - CT/PET
4222043	Hospital-Radiology Services - X-Ray
4222045	Hospital-Radiation
4222047	Hospital-Rehab
4222049	Hospital-SICU
4222051	Hospital-Oncology
4222053	Hospital-Outpatient Surgery

## Data Element Comment

To be documented when in eDisposition.21 "Hospital-Non-Emergency Department Bed" is selected.

## Version 3 Changes Implemented

Added to identify the location within the hospital that the patient was directly taken to by EMS.

State

National

## eDisposition.23 - Hospital Capability

## Definition

The primary hospital capability associated with the patient's condition for this transport (e.g., Trauma, STEMI, Peds, etc.).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

## NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
9908001	Behavioral Health
9908003	Burn Center
9908005	Critical Access Hospital
9908007	Hospital (General)
9908009	Neonatal Center
9908011	Pediatric Center
9908017	Stroke Center
9908019	Rehab Center
9908021	Trauma Center Level 1
9908023	Trauma Center Level 2
9908025	Trauma Center Level 3
9908027	Trauma Center Level 4
9908029	Trauma Center Level 5
9908031	Cardiac-STEMI/PCI Capable
9908033	Cardiac-STEMI/PCI Capable (24/7)
9908035	Cardiac-STEMI/Non-PCI Capable

## Data Element Comment

To be documented when eDisposition.21 (Type of Destination) is 1) Hospital-Emergency Department, 2) Hospital-Non-Emergency Department Bed, or 3) Freestanding Emergency Department.

## Version 3 Changes Implemented

Added to aid in determining if patients are transported to the appropriate hospital based on provider impression, assessment, and treatment.

State

National

## eDisposition.24 - Destination Team Pre-Arrival Alert or Activation

## Definition

Indication that an alert (or activation) was called by EMS to the appropriate destination healthcare facility team. The alert (or activation) should occur prior to the EMS Unit arrival at the destination with the patient.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Cardiac Arrest    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
4224001	No
4224003	Yes-Adult Trauma
4224005	Yes-Cardiac Arrest
4224007	Yes-Obstetrics
4224009	Yes-Other
4224011	Yes-Pediatric Trauma
4224013	Yes-STEMI
4224015	Yes-Stroke
4224017	Yes-Trauma (General)

## Data Element Comment

## Version 3 Changes Implemented

Added to better document performance measure for acute time dependent illness and injury systems of care.



## eDisposition.25 - Date/Time of Destination Prearrival Alert or Activation

## Definition

The Date/Time EMS alerted, notified, or activated the Destination Healthcare Facility prior to EMS arrival. The EMS assessment identified the patient as acutely ill or injured based on exam and possibly specified alert criteria.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

<b>Data Type</b>	<b>minInclusive</b>	<b>maxInclusive</b>
dateTime	1950-01-01T00:00:00-00:00	2050-01-01T00:00:00-00:00

## Pattern

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

yyyy	a four-digit numeral that represents the year
'-'	separators between parts of the date portion
mm	a two-digit numeral that represents the month
dd	a two-digit numeral that represents the day
T	separator that indicates time-of-day follows
hh	a two-digit numeral that represents the hour
':'	a separator between parts of the time-of-day portion
mm	a two-digit numeral that represents the minute
ss	a two-integer-digit numeral that represents the whole seconds
'.' s+	(not required) represents the fractional seconds
zzzzzz	(required) represents the timezone (as described below)

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

hh	a two-digit numeral (with leading zeros as required) that represents the hours
mm	a two-digit numeral that represents the minutes
'+'	a nonnegative duration
'-'	a nonpositive duration

## Version 3 Changes Implemented

Added to better document performance measure for acute time dependent illness and injury systems of care.

# eOutcome

Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span></span> M = Mandatory , R = Required , E = Recommended, or O = Optional		
	Attributes:	<span></span> N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID		

eOutcome

1 : 1	eOutcome.01 - Emergency Department Disposition	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>
1 : 1	eOutcome.02 - Hospital Disposition	<span>N</span>	<span>S</span>	<span>R</span>	<span>N, L</span>

eOutcome

State

National

## eOutcome.01 - Emergency Department Disposition

## Definition

The known disposition of the patient from the Emergency Department (ED)

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E22_01	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
01	Discharged to home or self care (routine discharge)
02	Discharged/transferred to another short term general hospital for inpatient care
03	Discharged/transferred to a skilled nursing facility (SNF)
04	Discharged/transferred to an intermediate care facility (ICF)
05	Discharged/transferred to another type of institution not defined elsewhere in this code list
06	Discharged/transferred to home under care of organized home health service organization in anticipation of covered skills care
07	Left against medical advice or discontinued care
09	Admitted as an inpatient to this hospital.
20	Deceased/Expired (or did not recover - Religious Non Medical Health Care Patient)
21	Discharged/transferred to court/law enforcement
30	Still a patient or expected to return for outpatient services.
43	Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility)
50	Discharged/transferred to Hospice - home.
51	Discharged/transferred to Hospice - medical facility
61	Discharged/transferred within this institution to a hospital based Medicare approved swing bed.
62	Discharged/transferred to a inpatient rehabilitation facility including distinct part units of a hospital.
63	Discharged/transferred to long term care hospitals
64	Discharged/transferred to a nursing facility certified under Medicaid but not certified under Medicare
65	Discharged/transferred to a psychiatric hospital or psychiatric distinct part unit of a hospital.
66	Discharged/transferred to a Critical Access Hospital (CAH).
70	Discharged/transferred to another type of health care institution not defined elsewhere in the code list.

## Data Element Comment

The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and the FL 17 - Patient Discharge Status Required. (For all Part A inpatient, SNF, hospice, home health agency (HHA) and outpatient hospital services.) This code indicates the patient's status as of the "Through" date of the billing period (FL 6).

<https://www.cms.gov/transmittals/downloads/R1104CP.pdf> Page 35-36

Codes are available from Medicare contractors and the National Uniform Billing company (NUBC\_ ([www.nubc.org](http://www.nubc.org)) via the NUBC's Official UB-04 Data Specifications Manual.

Contractor site, Knowledge Trek: [http://www.ub04.net/downloads/Medicare\\_Pub\\_Ch\\_25.pdf](http://www.ub04.net/downloads/Medicare_Pub_Ch_25.pdf) Please reference the section "FL 17 - Patient Status" found on page 23-25 of 126.

State

National

## eOutcome.02 - Hospital Disposition

## Definition

The known disposition of the patient from the hospital, if admitted.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E22_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

## NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

Code	Description
01	Discharged to home or self care (routine discharge)
02	Discharged/transferred to another short term general hospital for inpatient care
03	Discharged/transferred to a skilled nursing facility (SNF)
04	Discharged/transferred to an intermediate care facility (ICF)
05	Discharged/transferred to another type of institution not defined elsewhere in this code list
06	Discharged/transferred to home under care of organized home health service organization in anticipation of covered skills care
07	Left against medical advice or discontinued care
20	Deceased/Expired (or did not recover - Religious Non Medical Health Care Patient)
21	Discharged/transferred to court/law enforcement
30	Still a patient or expected to return for outpatient services.
43	Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility)
50	Discharged/transferred to Hospice - home.
51	Discharged/transferred to Hospice - medical facility
61	Discharged/transferred within this institution to a hospital based Medicare approved swing bed.
62	Discharged/transferred to an inpatient rehabilitation facility including distinct part units of a hospital.
63	Discharged/transferred to long term care hospitals
64	Discharged/transferred to a nursing facility certified under Medicaid but not certified under Medicare
65	Discharged/transferred to a psychiatric hospital or psychiatric distinct part unit of a hospital.
66	Discharged/transferred to a Critical Access Hospital (CAH).
70	Discharged/transferred to another type of health care institution not defined elsewhere in the code list.

## Data Element Comment

The list of values and codes is based on and in compliance with the Medicare Claims Processing Manual Chapter 25 Completing and Processing the Form CMS-1450 Data Set, referencing the Uniform Bill - Form CMS-1450 (UB-04) and the FL 17 - Patient Discharge Status Required. (For all Part A inpatient, SNF, hospice, home health agency (HHA) and outpatient hospital services.) This code indicates the patient's status as of the "Through" date of the billing period (FL 6).

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# eOther

Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span></span> M = Mandatory , R = Required , E = Recommended, or O = Optional		
	Attributes:	<span></span> N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID		

eOther				
1 : M	eOther.EMSCrewMemberGroup			
	1 : 1	eOther.05 - Suspected EMS Work Related Exposure, Injury, or Death	<span>N</span> <span>S</span> <span>R</span>	<span>N, L</span>
eOther				

State

National

## eOther.05 - Suspected EMS Work Related Exposure, Injury, or Death

## Definition

Indication of an EMS work related exposure, injury, or death associated with this EMS event.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E23_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Code List

**Code      Description**

9923001    No  
9923003    Yes

## Data Element Comment

Associated with eOther.04 (EMS Professional (Crew Member) ID)



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