

NEMESIS

Data Dictionary

NHTSA v3.4.0
Build 200910

EMS Data Standard

National Elements Only

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

www.NEMESIS.org

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 |
|--|------------------|------------------|---------------|
| Demographic (Agency) NEMSIS Version 3 Data Elements | 110 (26%) | 155 (27%) | 157 |
| Existing (version 2.2.1) | 88 (80%) | 87 (56%) | 87 (55.5%) |
| New | | 68 (44%) | 70 (44.5%) |
| Retired | 22 (20%) | | |
| EMS (ePCR) NEMSIS Version 3 Data Elements | 315 (74%) | 423 (73%) | 428 |
| Existing (version 2.2.1) | 258 (82%) | 260 (61%) | 258 (60%) |
| New | | 165 (39%) | 170 (40%) |
| Retired | 57 (18%) | | 2 |
| Overall Total NEMSIS Version 3 Data Elements | 425 | 578 | 585 |
| 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

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

National and State Element Indicator (2) (5) (6)

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

Data Element Name (3)

- The name of the data element.

Data Element Definition (4)

- The definition of 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)
 - An 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, not completed, or not collected by the state.
 - NOT Values are documented as an attribute of an element. It allows the documentation of NOT value when the real value is not documented.
 - *Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Null:*
https://nemsis.org/media/nemsis_v3/master/UsageGuides/NEMSIS_V3_1_EMSSDataSet_Pertin
- 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.

- **Not Recorded** = The data element is considered applicable, but was left blank. The 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 is specified as "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 "real" value.
 - *Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Null:*
https://nemsis.org/media/nemsis_v3/master/UsageGuides/NEMSIS_V3_1_EMSSDataSet_Pertinent
 - 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 the 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':
https://nemsis.org/media/nemsis_v3/master/UsageGuides/NEMSIS_V3_1_EMSSDataSet_Pertinent_Ne

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

- 8801025 - Not Immunized
 - 8801027 - Order Criteria Not Met
 - 8801029 - Approximate
 - 8801031 - Symptom Not Present
- NV (Not Value)
 - 7701001 - Not Applicable
 - 7701003 - Not Recorded
 - 7701005 - Not Reporting
- Nillable xsi:nil="true"
- Code Type
 - 9924001 = ICD-10
 - 9924003 = RxNorm
 - 9924005 = SNOMED-CT
- 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
 - Data 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

- **UUID**
 - UUIDs must be generated using the IETF RFC 4122 standard.
 - RFC 4122 defines four algorithms for UUID generation, any of these four can be used.
 - UUIDs must be represented in canonical form, matching the following regular expression:
[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[1-5][a-fA-F0-9]{3}-[89abAB][a-fA-F0-9]{3}-[a-fA-F0-9]{12}
- **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 additional insight into the data element.

Version 3 Changes Implemented (18)

- Comments are 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.

Associated Validation Rules (20)

- A list of national Schematron validation rules associated with the element. Additional validation rules may be implemented at the state or local level.

3 eExample.01 - Example Element Name

4 Definition

The definition of the element.

| | | | | |
|---------------------|----------|--------------------------|-------|----|
| 5 National Element | Yes | Pertinent Negatives (PN) | Yes | 9 |
| 6 State Element | Yes | NOT Values | Yes | 10 |
| 7 Version 2 Element | E00_01 | Is Nillable | Yes | 11 |
| 8 Usage | Required | Recurrence | 1 : 1 | 12 |

13 Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

14 Attributes

| | | |
|----------------------------------|------------------------------------|------------------------------------|
| NOT Values (NV) | | |
| 7701001 - Not Applicable | 7701003 - Not Recorded | 7701005 - Not Reporting |
| Pertinent Negatives (PN) | | |
| 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 | 8801025 - Not Immunized |
| 8801027 - Order Criteria Not Met | 8801029 - Approximate | 8801031 - Symptom Not Present |
| Code Type | | |
| 9924001 - ICD-10 | 9924003 - RxNorm | 9924005 - SNOMED-CT |
| CorrelationID | | |
| Data Type: String | minLength: 0 | maxLength: 255 |
| nemsisCode | | |
| Data Type: String | whiteSpace: preserve | |
| nemsisElement | | |
| Data Type: String | whiteSpace: preserve | |
| customValueDescription | | |
| Data Type: String | whiteSpace: preserve | |
| StreetAddress2 | | |
| Data Type: String | minLength: 1 | maxLength: 255 |
| DistanceUnit | | |
| 9929001 - Kilometers | 9929003 - Miles | |
| EmailAddressType | | |
| 9904001 - Personal | 9904003 - Work | |
| PhoneNumberType | | |
| 9913001 - Fax | 9913003 - Home | 9913005 - Mobile |
| 9913007 - Pager | 9913009 - Work | |
| VelocityUnit | | |
| 9921001 - Kilometers per Hour | 9921003 - Miles per Hour | |

15 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} | | |

16 Code List

| | |
|-------------|--------------------|
| Code | Description |
| SSEE001 | Value A |
| SSEE003 | Value B |
| SSEE005 | Value C |
| SSEE007 | Value D |
| SSEE009 | Value E |

SSEE009 Value E
SSEE011 Value F

- 17 Data Element Comment
The data element comment.
- 18 Version 3 Changes Implemented
Any V3 change comments
- 19 Deprecated Comments
Any deprecation comments
- 20 Associated Validation Rules

| Rule ID | Level | Message |
|-------------|---------|---|
| nemSch_e001 | Error | When Example Element Name is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| nemSch_e136 | Warning | Example Element Name should be recorded, unless Other Element Name is "Yes". |

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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, C = Correlation ID, and/or U = UUID

DEMDataset

| | |
|-------|-------------------|
| 1 : M | DemographicReport |
| 1 : 1 | dAgency |
| 1 : 1 | dConfiguration |

DEMDataset

EMSDataset

| | |
|---------------|--|
| 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, C = Correlation ID, and/or U = UUID |

EMSDataset

| | | |
|-------|---|---|
| 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 | |

EMSDataset

dAgency

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, C = Correlation ID, and/or U = UUID

dAgency

| | | | | |
|-----|--|------------------------------------|---------------------------------------|--|
| 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 | dAgency.AgencyServiceGroup | | | |
| 1:1 | dAgency.05 - EMS Agency Service Area States | N | S | M |
| 1:M | dAgency.06 - EMS Agency Service Area County(ies) | N | S | M |
| 1:M | dAgency.07 - EMS Agency Census Tracts | N | S | R N, L |
| 1:M | dAgency.08 - EMS Agency Service Area ZIP Codes | N | S | R N, L |
| 1:1 | dAgency.09 - Primary Type of Service | N | S | M |
| 1:1 | dAgency.11 - Level of Service | N | S | M |
| 1:1 | dAgency.12 - Organization Status | N | S | M |
| 1:1 | dAgency.13 - Organizational Type | N | S | M |
| 1:1 | dAgency.14 - EMS Agency Organizational Tax Status | N | S | M |
| 1:M | dAgency.AgencyYearGroup | | | |
| 1:1 | dAgency.15 - Statistical Calendar Year | N | S | M |
| 1:1 | dAgency.16 - Total Primary Service Area Size | N | S | R N, L |
| 1:1 | dAgency.17 - Total Service Area Population | N | S | R N, L |
| 1:1 | dAgency.18 - 911 EMS Call Center Volume per Year | N | S | R N, L |
| 1:1 | dAgency.19 - EMS Dispatch Volume per Year | N | S | R N, L |
| 1:1 | dAgency.20 - EMS Patient Transport Volume per Year | N | S | R N, L |
| 1:1 | dAgency.21 - EMS Patient Contact Volume per Year | N | S | R N, L |
| 1:M | dAgency.25 - National Provider Identifier | N | S | R N, L |
| 1:M | dAgency.26 - Fire Department ID Number | N | S | R N, L |

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.

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 of 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.

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

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â!_dAgency.05 | Error | EMS Agency Service Area County(ies) should belong to the state with which it is grouped. |
| â!_dAgency.06 | Warning | EMS Agency Census Tracts should belong to a county recorded in EMS Agency Service Area County(ies) in the state with which it is grouped. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â!_dAgency.05 | Error | EMS Agency Service Area County(ies) should belong to the state with which it is grouped. |
| â!_dAgency.06 | Warning | EMS Agency Census Tracts should belong to a county recorded in EMS Agency Service Area County(ies) in the state with which it is grouped. |

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):
<https://www.census.gov/geographies/reference-maps/2010/geo/2010-census-tract-maps.html>

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âi_dAgency.06 | Warning | EMS Agency Census Tracts should belong to a county recorded in EMS Agency Service Area County(ies) in the state with which it is grouped. |
| âiNvPn_Nil_Nv | Error | When EMS Agency Census Tracts is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When EMS Agency Census Tracts has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âivPn_Nv_only | Warning | When EMS Agency Census Tracts has a Not Value, no other value should be recorded. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| âiNvPn_Nil_Nv | Error | When EMS Agency Service Area ZIP Codes is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When EMS Agency Service Area ZIP Codes has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âiNvPn_Nv_only | Warning | When EMS Agency Service Area ZIP Codes has a Not Value, no other value should be recorded. |

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 EMS Agency Number.

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).

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).

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| â\ncy.26_fire | Warning | Fire Department ID Number should be recorded when Organizational Type is "Fire Department". |
| â\i.26_nonfire | Warning | Fire Department ID Number should only be recorded when Organizational Type is "Fire Department". |

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).

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

| | | |
|------------------|---------------------|---------------------|
| Data Type | minInclusive | maxInclusive |
| integer | 1900 | 2050 |

Data Element Comment

Added Calendar Year to the definition to remove confusion noted in draft comments. Will allow multiple entries 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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â\ncy.15_past | Warning | Statistical Calendar Year should be in the past. |
| â\ndAgency.15 | Warning | Agency statistics for a particular Statistical Calendar Year should only be recorded once. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| âiNvPn_Nil_Nv | Error | When Total Primary Service Area Size is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Total Primary Service Area Size has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

| 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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| âiNvPn_Nil_Nv | Error | When Total Service Area Population is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Total Service Area Population has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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"

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| âiNvPn_Nil_Nv | Error | When 911 EMS Call Center Volume per Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When 911 EMS Call Center Volume per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When EMS Dispatch Volume per Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When EMS Dispatch Volume per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| âiNvPn_Nil_Nv | Error | When EMS Patient Transport Volume per Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When EMS Patient Transport Volume per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| âiNvPn_Nil_Nv | Error | When EMS Patient Contact Volume per Year is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When EMS Patient Contact Volume per Year has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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 (National Provider Identifier) number.

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âiNvPn_Nil_Nv | Error | When National Provider Identifier is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When National Provider Identifier has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âivPn_Nv_only | Warning | When National Provider Identifier has a Not Value, no other value should be recorded. |

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 (National Fire Incident Reporting System) .

Version 3 Changes Implemented

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

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| â'ncy.26_fire | Warning | Fire Department ID Number should be recorded when Organizational Type is "Fire Department". |
| â'i.26_nonfire | Warning | Fire Department ID Number should only be recorded when Organizational Type is "Fire Department". |
| â'iNvPn_Nil_Nv | Error | When Fire Department ID Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â'iNvPn_Nv_Nil | Error | When Fire Department ID Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â'vPn_Nv_only | Warning | When Fire Department ID Number has a Not Value, no other value should be recorded. |

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, C = Correlation ID, and/or U = UUID

dConfiguration

| | | | | |
|-------|--|------------------------------------|---------------------------------------|--|
| 1 : M | dConfiguration.ConfigurationGroup | | | |
| 1 : 1 | dConfiguration.01 - State Associated with the Certification/Licensure Levels | N | S | M |
| 1 : M | dConfiguration.02 - State Certification/Licensure Levels | N | S | M |
| 1 : M | dConfiguration.03 - Procedures Permitted by the State | N | S | R N, L |
| 1 : M | dConfiguration.04 - Medications Permitted by the State | N | S | R N, L |
| 1 : M | dConfiguration.05 - Protocols Permitted by the State | N | S | R N, L |
| 1 : M | dConfiguration.ProcedureGroup | | | |
| 1 : 1 | dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure | N | S | M |
| 1 : M | dConfiguration.07 - EMS Agency Procedures | N | S | M |
| 1 : M | dConfiguration.MedicationGroup | | | |
| 1 : 1 | dConfiguration.08 - EMS Certification Levels Permitted to Administer Each Medication | N | S | M |
| 1 : M | dConfiguration.09 - EMS Agency Medications | N | S | M |
| 1 : M | dConfiguration.10 - EMS Agency Protocols | N | S | M |
| 1 : M | dConfiguration.11 - EMS Agency Specialty Service Capability | N | S | M |
| 1 : 1 | dConfiguration.13 - Emergency Medical Dispatch (EMD) Provided to EMS Agency Service Area | N | S | M |
| 1 : M | dConfiguration.15 - Patient Monitoring Capability(ies) | N | S | M |
| 1 : M | dConfiguration.16 - Crew Call Sign | N | S | M |

dConfiguration

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.04 - EMS Agency State).

GNIS Codes Website: 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.

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.

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 | 999999999999999 | 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 NEMESIS Suggested Lists at:
<https://nemsis.org/technical-resources/version-3/version-3-resources/>

SNOMEDCT
 Website: 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 (NEMESIS). Reference the Demographic Dataset Submission Guide for further details.

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| âiNvPn_Nil_Nv | Error | When Procedures Permitted by the State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Procedures Permitted by the State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âiNvPn_Nv_only | Warning | When Procedures Permitted by the State has a Not Value, no other value should be recorded. |

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 (RXCU) 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 (NEMESIS). 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 (RXCU) code.

Reference the NEMESIS Suggested Lists at: <https://nemsis.org/technical-resources/version-3/version-3-resources/>

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â!NvPn_Nil_Nv | Error | When Medications Permitted by the State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Medications Permitted by the State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!vPn_Nv_only | Warning | When Medications Permitted by the State has a Not Value, no other value should be recorded. |

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

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â;NvPn_Nil_Nv | Error | When Protocols Permitted by the State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â;NvPn_Nv_Nil | Error | When Protocols Permitted by the State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â;vPn_Nv_only | Warning | When Protocols Permitted by the State has a Not Value, no other value should be recorded. |

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.

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

| | | |
|------------------|---------------------|---------------------|
| Data Type | maxInclusive | minInclusive |
| integer | 999999999999999 | 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:

<https://nemsis.org/technical-resources/version-3/version-3-resource-repository/>

SNOMEDCT

Website: 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.

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) codes.

Reference the NEMESIS Suggested Lists at: <https://nemesis.org/technical-resources/version-3/version-3-resources/>

RxNorm

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

Product - RxNorm Full Monthly Release

SNOMED-CT

Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html

Product: Product - UMLS Metathesaurus.

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.

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

Associated Validation Rules

| Rule ID | Level | Message |
|--------------|---------|---|
| âion.11_none | Warning | When EMS Agency Specialty Service Capability is "None", no other values should be recorded. |

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 NEMESIS Version 3 only includes these specific capabilities.

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â'n.16_assert | Warning | Crew Call Sign should be unique (the same call sign should not be listed more than once). |

eRecord

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, C = Correlation ID, and/or U = UUID

eRecord

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

eRecord

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 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

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.

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, C = Correlation ID, and/or U = UUID

eResponse

| | | | | | |
|-------|-----------------------|---|------------------------------------|---------------------------------------|--|
| 1 : 1 | eResponse.AgencyGroup | | | | |
| | 1 : 1 | eResponse.01 - EMS Agency Number | N | S | M |
| 1 : 1 | | eResponse.03 - Incident Number | N | S | R N, L |
| 1 : 1 | | eResponse.04 - EMS Response Number | N | S | R N, L |
| 1 : 1 | | eResponse.ServiceGroup | | | |
| | 1 : 1 | eResponse.05 - Type of Service Requested | N | S | M |
| 1 : 1 | | eResponse.07 - Primary Role of the Unit | N | S | M |
| 1 : M | | eResponse.08 - Type of Dispatch Delay | N | S | R N, L |
| 1 : M | | eResponse.09 - Type of Response Delay | N | S | R N, L |
| 1 : M | | eResponse.10 - Type of Scene Delay | N | S | R N, L |
| 1 : M | | eResponse.11 - Type of Transport Delay | N | S | R N, L |
| 1 : M | | eResponse.12 - Type of Turn-Around Delay | N | S | R N, L |
| 1 : 1 | | eResponse.13 - EMS Vehicle (Unit) Number | N | S | M |
| 1 : 1 | | eResponse.14 - EMS Unit Call Sign | N | S | M |
| 1 : 1 | | eResponse.15 - Level of Care of This Unit | N | S | M |
| 1 : 1 | | eResponse.23 - Response Mode to Scene | N | S | M |
| 1 : M | | eResponse.24 - Additional Response Mode Descriptors | N | S | R N, L |

eResponse

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â\se.01_match | Warning | EMS Agency Number in the patient care report should match EMS Agency Number in the agency demographic information. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| âiNvPn_Nil_Nv | Error | When Incident Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Incident Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| â!NvPn_Nil_Nv | Error | When EMS Response Number is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When EMS Response Number has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiituation.02 | Warning | Possible Injury should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âiituation.07 | Warning | Chief Complaint Anatomic Location should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âiituation.08 | Warning | Chief Complaint Organ System should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âiituation.09 | Warning | Primary Symptom should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âiituation.11 | Warning | Provider's Primary Impression should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âiituation.13 | Warning | Initial Patient Acuity should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |

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.

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).

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â!NvPn_Nil_Nv | Error | When Type of Dispatch Delay is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Type of Dispatch Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!Response.08 | Warning | When Type of Dispatch Delay is "None/No Delay", no other value should be recorded. |
| â!vPn_Nv_only | Warning | When Type of Dispatch Delay has a Not Value, no other value should be recorded. |

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).

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â!NvPn_Nil_Nv | Error | When Type of Response Delay is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Type of Response Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!Response.09 | Warning | When Type of Response Delay is "None/No Delay", no other value should be recorded. |
| â!vPn_Nv_only | Warning | When Type of Response Delay has a Not Value, no other value should be recorded. |

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).

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|----------------|--|
| â!NvPn_Nil_Nv | Error | When Type of Scene Delay is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Type of Scene Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!Response.10 | Warning | When Type of Scene Delay is "None/No Delay", no other value should be recorded. |
| â!vPn_Nv_only | Warning | When Type of Scene Delay has a Not Value, no other value should be recorded. |

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).

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|----------------|--|
| âiNvPn_Nil_Nv | Error | When Type of Transport Delay is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Type of Transport Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âiResponse.11 | Warning | When Type of Transport Delay is "None/No Delay", no other value should be recorded. |
| âiNvPn_Nv_only | Warning | When Type of Transport Delay has a Not Value, no other value should be recorded. |

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].

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiNvPn_Nil_Nv | Error | When Type of Turn-Around Delay is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Type of Turn-Around Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âiResponse.12 | Warning | When Type of Turn-Around Delay is "None/No Delay", no other value should be recorded. |

â\pN_Nv_only Warning When Type of Turn-Around Delay has a Not Value, no other value should be recorded.

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 Vehicle/Unit 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).

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.

| | | | |
|-------------------|-----------|--------------------------|-------|
| 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)

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âiNvPn_Nil_Nv | Error | When Additional Response Mode Descriptors is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Additional Response Mode Descriptors has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âivPn_Nv_only | Warning | When Additional Response Mode Descriptors has a Not Value, no other value should be recorded. |

eDispatch

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, C = Correlation ID, and/or U = UUID

eDispatch

| | | | | |
|-------|---|------------------------------------|---------------------------------------|--|
| 1 : 1 | eDispatch.01 - Complaint Reported by Dispatch | N | S | M |
| 1 : 1 | eDispatch.02 - EMD Performed | N | S | R N, L |

eDispatch

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

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| â!NvPn_Nil_Nv | Error | When EMD Performed is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When EMD Performed has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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, **C** = Correlation ID, and/or **U** = UUID

eTimes

| | | | | | |
|-------|--|----------|----------|----------|-------------|
| 1 : 1 | eTimes.01 - PSAP Call Date/Time | N | S | R | N, L |
| 1 : 1 | eTimes.03 - Unit Notified by Dispatch Date/Time | N | S | M | |
| 1 : 1 | eTimes.05 - Unit En Route Date/Time | N | S | R | N, L |
| 1 : 1 | eTimes.06 - Unit Arrived on Scene Date/Time | N | S | R | N, L |
| 1 : 1 | eTimes.07 - Arrived at Patient Date/Time | N | S | R | N, L |
| 1 : 1 | eTimes.09 - Unit Left Scene Date/Time | N | S | R | N, L |
| 1 : 1 | eTimes.11 - Patient Arrived at Destination Date/Time | N | S | R | N, L |
| 1 : 1 | eTimes.12 - Destination Patient Transfer of Care Date/Time | N | S | R | N, L |
| 1 : 1 | eTimes.13 - Unit Back in Service Date/Time | N | S | M | |

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

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 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 |

Associated Validation Rules

| Rule ID | Level | Message |
|--------------|--------------|--|
| âNvPn_Nil_Nv | Error | When PSAP Call Date/Time is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), |

or it should be omitted (if the element is optional).

â!NvPh_Nv_Nil **Error**

When PSAP Call Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

â!3_eTimes.01 **Warning**

Unit Notified by Dispatch Date/Time should not be earlier than PSAP Call Date/Time.

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 |

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| âr_eTimes.03 | Warning | Date/Time of Destination Prearrival Alert or Activation should not be earlier than Unit Notified by Dispatch Date/Time. |
| âr_eTimes.03 | Warning | Date/Time Medication Administered should not be earlier than Unit Notified by Dispatch Date/Time, unless Medication Administered Prior to this Unit's EMS Care is "Yes". |
| âr_eTimes.03 | Warning | Date/Time Procedure Performed should not be earlier than Unit Notified by Dispatch Date/Time, unless Procedure Performed Prior to this Unit's EMS Care is "Yes". |
| â3_eTimes.01 | Warning | Unit Notified by Dispatch Date/Time should not be earlier than PSAP Call Date/Time. |

- â!5_eTimes.03 **Warning** Unit En Route Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â!6_eTimes.03 **Warning** Unit Arrived on Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â!7_eTimes.03 **Warning** Arrived at Patient Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â!9_eTimes.03 **Warning** Unit Left Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â!1_eTimes.03 **Warning** Patient Arrived at Destination Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â!2_eTimes.03 **Warning** Destination Patient Transfer of Care Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â!3_eTimes.03 **Warning** Unit Back in Service Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â!r_eTimes.03 **Warning** Date/Time Vital Signs Taken should not be earlier than Unit Notified by Dispatch Date/Time, unless Obtained Prior to this Unit's EMS Care is "Yes".

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 |

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âlg_eTimes.05 | Warning | Unit En Route Date/Time should be recorded unless Incident/Patient Disposition is "Canceled (Prior to Arrival At Scene)". |
| â!NvPn_Nil_Nv | Error | When Unit En Route Date/Time is empty, it should have a Not Value (Not Applicable, Not |

Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

- â!NvPn_Nv_Nil **Error** When Unit En Route Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
- â!5_eTimes.03 **Warning** Unit En Route Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â!6_eTimes.05 **Warning** Unit Arrived on Scene Date/Time should not be earlier than Unit En Route Date/Time.
- â!9_eTimes.05 **Warning** Unit Left Scene Date/Time should not be earlier than Unit En Route Date/Time.
- â!1_eTimes.05 **Warning** Patient Arrived at Destination Date/Time should not be earlier than Unit En Route Date/Time.
- â!2_eTimes.05 **Warning** Destination Patient Transfer of Care Date/Time should not be earlier than Unit En Route Date/Time.
- â!3_eTimes.05 **Warning** Unit Back in Service Date/Time should not be earlier than Unit En Route Date/Time.

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

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 |

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âlg_eTimes.06 | Warning | Unit Arrived on Scene Date/Time should be recorded unless Incident/Patient Disposition is "Canceled (Prior to Arrival At Scene)". |

- â:âNvPn_Nil_Nv **Error** When Unit Arrived on Scene Date/Time is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
- â:âNvPn_Nv_Nil **Error** When Unit Arrived on Scene Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
- â:â6_eTimes.03 **Warning** Unit Arrived on Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â:â6_eTimes.05 **Warning** Unit Arrived on Scene Date/Time should not be earlier than Unit En Route Date/Time.
- â:â9_eTimes.06 **Warning** Unit Left Scene Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
- â:â1_eTimes.06 **Warning** Patient Arrived at Destination Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
- â:â2_eTimes.06 **Warning** Destination Patient Transfer of Care Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
- â:â3_eTimes.06 **Warning** Unit Back in Service Date/Time should not be earlier than Unit Arrived on Scene Date/Time.

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 |

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âlg_eTimes.07 | Warning | Arrived at Patient Date/Time should be recorded when Incident/Patient Disposition is "Patient..." |
| âiNvPn_Nil_Nv | Error | When Arrived at Patient Date/Time is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the |

element), or it should be omitted (if the element is optional).

- â!NvPh_Nv_Nil **Error** When Arrived at Patient Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
- â!r_eTimes.07 **Warning** Date/Time Medication Administered should not be earlier than Arrived at Patient Date/Time, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
- â!e_eTimes.07 **Warning** Date/Time Medication Administered should not be later than Arrived at Patient Date/Time when Medication Administered Prior to this Unit's EMS Care is "Yes".
- â!r_eTimes.07 **Warning** Date/Time Procedure Performed should not be earlier than Arrived at Patient Date/Time, unless Procedure Performed Prior to this Unit's EMS Care is "Yes".
- â!e_eTimes.07 **Warning** Date/Time Procedure Performed should not be later than Arrived at Patient Date/Time when Procedure Performed Prior to this Unit's EMS Care is "Yes".
- â!7_eTimes.03 **Warning** Arrived at Patient Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â!9_eTimes.07 **Warning** Unit Left Scene Date/Time should not be earlier than Arrived at Patient Date/Time.
- â!1_eTimes.07 **Warning** Patient Arrived at Destination Date/Time should not be earlier than Arrived at Patient Date/Time.
- â!2_eTimes.07 **Warning** Destination Patient Transfer of Care Date/Time should not be earlier than Arrived at Patient Date/Time.
- â!3_eTimes.07 **Warning** Unit Back in Service Date/Time should not be earlier than Arrived at Patient Date/Time.
- â!r_eTimes.07 **Warning** Date/Time Vital Signs Taken should not be earlier than Arrived at Patient Date/Time, unless Obtained Prior to this Unit's EMS Care is "Yes".
- â!e_eTimes.07 **Warning** Date/Time Vital Signs Taken should not be later than Arrived at Patient Date/Time when Obtained Prior to this Unit's EMS Care is "Yes".

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 |

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âlg_eTimes.09 | Warning | Unit Left Scene Date/Time should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| â!NvPn_Nil_Nv | Error | When Unit Left Scene Date/Time is empty, it should have a Not Value (Not Applicable, Not |

Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

- â!NvPn_Nv_Nil **Error** When Unit Left Scene Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
- â!9_eTimes.03 **Warning** Unit Left Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â!9_eTimes.05 **Warning** Unit Left Scene Date/Time should not be earlier than Unit En Route Date/Time.
- â!9_eTimes.06 **Warning** Unit Left Scene Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
- â!9_eTimes.07 **Warning** Unit Left Scene Date/Time should not be earlier than Arrived at Patient Date/Time.
- â!1_eTimes.09 **Warning** Patient Arrived at Destination Date/Time should not be earlier than Unit Left Scene Date/Time.
- â!2_eTimes.09 **Warning** Destination Patient Transfer of Care Date/Time should not be earlier than Unit Left Scene Date/Time.
- â!3_eTimes.09 **Warning** Unit Back in Service Date/Time should not be earlier than Unit Left Scene Date/Time.

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 |

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âlg_eTimes.11 | Warning | Patient Arrived at Destination Date/Time should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| â!NvPn_Nil_Nv | Error | When Patient Arrived at Destination Date/Time is empty, it should have a Not Value (Not |

Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

- â:1_eTimes.03 **Warning** Patient Arrived at Destination Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- â:1_eTimes.05 **Warning** Patient Arrived at Destination Date/Time should not be earlier than Unit En Route Date/Time.
- â:1_eTimes.06 **Warning** Patient Arrived at Destination Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
- â:1_eTimes.07 **Warning** Patient Arrived at Destination Date/Time should not be earlier than Arrived at Patient Date/Time.
- â:1_eTimes.09 **Warning** Patient Arrived at Destination Date/Time should not be earlier than Unit Left Scene Date/Time.
- â:2_eTimes.11 **Warning** Destination Patient Transfer of Care Date/Time should not be earlier than Patient Arrived at Destination Date/Time.
- â:3_eTimes.11 **Warning** Unit Back in Service Date/Time should not be earlier than Patient Arrived at Destination Date/Time.

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

Definition

The date/time that patient care was transferred to the destination healthcare 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 |

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âlg_eTimes.12 | Warning | Destination Patient Transfer of Care Date/Time should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |

| | |
|------------------------------|---|
| â!NvPn_Nil_Nv Error | When Destination Patient Transfer of Care Date/Time is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil Error | When Destination Patient Transfer of Care Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!e_eTimes.12 Warning | Date/Time of Destination Prearrival Alert or Activation should not be later than Destination Patient Transfer of Care Date/Time. |
| â!e_eTimes.12 Warning | Date/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time. |
| â!e_eTimes.12 Warning | Date/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time. |
| â!_eArrest.14 Warning | Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest. |
| â!ituation.01 Warning | Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Symptom Onset. |
| â!2_eTimes.03 Warning | Destination Patient Transfer of Care Date/Time should not be earlier than Unit Notified by Dispatch Date/Time. |
| â!2_eTimes.05 Warning | Destination Patient Transfer of Care Date/Time should not be earlier than Unit En Route Date/Time. |
| â!2_eTimes.06 Warning | Destination Patient Transfer of Care Date/Time should not be earlier than Unit Arrived on Scene Date/Time. |
| â!2_eTimes.07 Warning | Destination Patient Transfer of Care Date/Time should not be earlier than Arrived at Patient Date/Time. |
| â!2_eTimes.09 Warning | Destination Patient Transfer of Care Date/Time should not be earlier than Unit Left Scene Date/Time. |
| â!2_eTimes.11 Warning | Destination Patient Transfer of Care Date/Time should not be earlier than Patient Arrived at Destination Date/Time. |
| â!3_eTimes.12 Warning | Unit Back in Service Date/Time should not be earlier than Destination Patient Transfer of Care Date/Time. |
| â!e_eTimes.12 Warning | Date/Time Vital Signs Taken should not be later than Destination Patient Transfer of Care Date/Time. |

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 |

Associated Validation Rules

| Rule ID | Level | Message |
|-------------|---------|--|
| â€eTimes.13 | Warning | Date/Time of Destination Prearrival Alert or Activation should not be later than Unit Back in Service Date/Time. |
| â€eTimes.13 | Warning | Date/Time Medication Administered should not be later than Unit Back in Service Date/Time. |
| â€eTimes.13 | Warning | Date/Time Procedure Performed should not be later than Unit Back in Service Date/Time. |

- âit_eTimes.13 **Warning** Unit Back in Service Date/Time should not be in the future (the current time according to this system is (value)).
- âi_eArrest.14 **Warning** Unit Back in Service Date/Time should not be earlier than Date/Time of Cardiac Arrest.
- âiituation.01 **Warning** Unit Back in Service Date/Time should not be earlier than Date/Time of Symptom Onset.
- âi3_eTimes.03 **Warning** Unit Back in Service Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
- âi3_eTimes.05 **Warning** Unit Back in Service Date/Time should not be earlier than Unit En Route Date/Time.
- âi3_eTimes.06 **Warning** Unit Back in Service Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
- âi3_eTimes.07 **Warning** Unit Back in Service Date/Time should not be earlier than Arrived at Patient Date/Time.
- âi3_eTimes.09 **Warning** Unit Back in Service Date/Time should not be earlier than Unit Left Scene Date/Time.
- âi3_eTimes.11 **Warning** Unit Back in Service Date/Time should not be earlier than Patient Arrived at Destination Date/Time.
- âi3_eTimes.12 **Warning** Unit Back in Service Date/Time should not be earlier than Destination Patient Transfer of Care Date/Time.
- âle_eTimes.13 **Warning** Date/Time Vital Signs Taken should not be later than Unit Back in Service Date/Time.

ePatient

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, C = Correlation ID, and/or U = UUID

ePatient

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

ePatient

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiePatient.07 | Warning | Patient's Home County should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âiNvPn_Nil_Nv | Error | When Patient's Home County is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Patient's Home County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âiePatient.08 | Warning | Patient's Home County should belong within the Patient's Home State. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â!ePatient.08 | Warning | Patient's Home State should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| â!NvPn_Nil_Nv | Error | When Patient's Home State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Patient's Home State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!ePatient.08 | Warning | Patient's Home County should belong within the Patient's Home State. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiePatient.09 | Warning | Patient's Home ZIP Code should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âiNvPn_Nil_Nv | Error | When Patient's Home ZIP Code is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Patient's Home ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

~~ePatient.13~~ Gender (DEPRECATED)

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

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| â€ePatient.13 | Warning | Gender should be recorded when Incident/Patient Disposition is "Patient...". |
| â€iNvPn_Nil_Nv | Error | When Gender is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â€iNvPn_Nv_Nil | Error | When Gender has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âiePatient.14 | Warning | Race should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âiNvPn_Nil_Nv | Error | When Race is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Race has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âivPn_Nv_only | Warning | When Race has a Not Value, no other value should be recorded. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| â€ePatient.15 | Warning | Age should be recorded when Incident/Patient Disposition is "Patient..." |
| â€iNvPn_Nil_Nv | Error | When Age is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â€iNvPn_Nv_Nil | Error | When Age has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â€ePatient.16 | Warning | Age Units should be recorded when Age is recorded. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â€ePatient.16 | Warning | Age Units should be recorded when Incident/Patient Disposition is "Patient...". |
| â€NvPn_Nil_Nv | Error | When Age Units is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â€NvPn_Nv_Nil | Error | When Age Units has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â€ePatient.16 | Warning | Age Units should be recorded when Age is recorded. |

ePayment

| | | | |
|---------------|---|--|---|
| 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, C = Correlation ID, and/or U = UUID | | |

ePayment

| | | | | | |
|-------|---|---|--|---|--|
| 1 : 1 | ePayment.01 - Primary Method of Payment | N | S | R | N, L |
|-------|---|---|--|---|--|

| | | | | | |
|-------|---------------------------------|---|--|---|--|
| 1 : 1 | ePayment.50 - CMS Service Level | N | S | R | N, L |
|-------|---------------------------------|---|--|---|--|

ePayment

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

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| â€¦ePayment.01 | Warning | Primary Method of Payment should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| â€¦NvPn_Nil_Nv | Error | When Primary Method of Payment is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â€¦NvPn_Nv_Nil | Error | When Primary Method of Payment has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| âiNvPn_Nil_Nv | Error | When CMS Service Level is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When CMS Service Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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, C = Correlation ID, and/or U = UUID

eScene

| | | | | | |
|-------|---|------------------------------------|---------------------------------------|-------------------------------------|--|
| 1 : 1 | eScene.01 - First EMS Unit on Scene | N | S | R | N, L |
| 1 : 1 | eScene.06 - Number of Patients at Scene | N | S | R | N, L |
| 1 : 1 | eScene.07 - Mass Casualty Incident | N | S | R | N, L |
| 1 : 1 | eScene.08 - Triage Classification for MCI Patient | N | S | R | N, L |
| 1 : 1 | eScene.09 - Incident Location Type | N | S | R | N, L |
| 1 : 1 | eScene.18 - Incident State | N | S | R | N, L |
| 1 : 1 | eScene.19 - Incident ZIP Code | N | S | R | N, L |
| 1 : 1 | eScene.21 - Incident County | N | S | R | N, L |

eScene

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| â!NvPn_Nil_Nv | Error | When First EMS Unit on Scene is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When First EMS Unit on Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiNvPn_Nil_Nv | Error | When Number of Patients at Scene is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Number of Patients at Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_eScene.06 | Warning | Number of Patients at Scene should be "Multiple" when Mass Casualty Incident is "Yes". |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âiNvPn_Nil_Nv | Error | When Mass Casualty Incident is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Mass Casualty Incident has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_eScene.06 | Warning | Number of Patients at Scene should be "Multiple" when Mass Casualty Incident is "Yes". |
| âi_eScene.08 | Warning | Triage Classification for MCI Patient should be recorded when Mass Casualty Incident is "Yes". |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiNvPn_Nil_Nv | Error | When Triage Classification for MCI Patient is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Triage Classification for MCI Patient has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_eScene.08 | Warning | Triage Classification for MCI Patient should be recorded when Mass Casualty Incident is "Yes". |

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 NEMESIS Suggested Lists at:
<https://nemsis.org/technical-resources/version-3/version-3-resources/>

ICD-10-CM
 Website - <http://uts.nlm.nih.gov>
 Product - UMLS Metathesaurus

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âlg_eScene.09 | Warning | Incident Location Type should be recorded unless Incident/Patient Disposition is "Canceled (Prior to Arrival At Scene)". |
| âiNvPn_Nil_Nv | Error | When Incident Location Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Incident Location Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âiNvPn_Nil_Nv | Error | When Incident State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Incident State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi1_eScene.18 | Warning | Incident County should belong within the Incident State. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| â:NVpN_Nil_Nv | Error | When Incident ZIP Code is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â:NVpN_Nv_Nil | Error | When Incident ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â!NvPn_Nil_Nv | Error | When Incident County is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Incident County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!1_eScene.18 | Warning | Incident County should belong within the Incident State. |

eSituation

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, C = Correlation ID, and/or U = UUID

eSituation

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

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------|-------|---------|
|---------|-------|---------|

- â:NVpN_Nil_Nv **Error** When Date/Time of Symptom Onset is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
- â:NVpN_Nv_Nil **Error** When Date/Time of Symptom Onset has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
- â:ituation.01 **Warning** Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Symptom Onset.
- â:ituation.01 **Warning** Unit Back in Service Date/Time should not be earlier than Date/Time of Symptom Onset.

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â:ituation.02 | Warning | Possible Injury should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| â:elnjury.01 | Warning | Cause of Injury should be recorded when Incident/Patient Disposition is "Patient..." and Possible Injury is "Yes". |
| â:elnjury.01 | Warning | Cause of Injury should only be recorded when Possible Injury is "Yes". |
| â:elnjury.03 | Warning | Trauma Center Criteria should only be recorded when Possible Injury is "Yes". |
| â:elnjury.04 | Warning | Vehicular, Pedestrian, or Other Injury Risk Factor should only be recorded when Possible Injury is "Yes". |
| â:NvPn_Nil_Nv | Error | When Possible Injury is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â:NvPn_Nv_Nil | Error | When Possible Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â:ituation.02 | Warning | Possible Injury should be "Yes" when a symptom or impression is injury-related. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â:ituation.07 | Warning | Chief Complaint Anatomic Location should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| â:NvPn_Nil_Nv | Error | When Chief Complaint Anatomic Location is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â:NvPn_Nv_Nil | Error | When Chief Complaint Anatomic Location has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âituation.08 | Warning | Chief Complaint Organ System should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âiNvPn_Nil_Nv | Error | When Chief Complaint Organ System is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Chief Complaint Organ System has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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 NEMESIS Suggested Lists at:
<https://nemsis.org/technical-resources/version-3/version-3-resources/>

ICD-10-CM
 Website - <http://uts.nlm.nih.gov>
 Product - UMLS Metathesaurus

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â:ituation.09 | Warning | Primary Symptom should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| â:NvPn_Nil_Nv | Error | When Primary Symptom is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â:NvPn_Nv_Nil | Error | When Primary Symptom has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â:ituation.02 | Warning | Possible Injury should be "Yes" when a symptom or impression is injury-related. |
| â:ituation.10 | Warning | Other Associated Symptoms should only be recorded when Primary Symptom is recorded. |

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 NEMESIS Suggested Lists at:
<https://nemsis.org/technical-resources/version-3/version-3-resources/>

ICD-10-CM
 Website - <http://uts.nlm.nih.gov>
 Product - UMLS Metathesaurus

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| âiNvPn_Nil_Nv | Error | When Other Associated Symptoms is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Other Associated Symptoms has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â:situation.02 | Warning | Possible Injury should be "Yes" when a symptom or impression is injury-related. |
| â:situation.10 | Warning | Other Associated Symptoms should only be recorded when Primary Symptom is recorded. |
| â:vPn_Nv_only | Warning | When Other Associated Symptoms has a Not Value, no other value should be recorded. |

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 NEMESIS Suggested Lists at:
<https://nemsis.org/technical-resources/version-3/version-3-resources/>

 ICD-10-CM
 Website - <http://uts.nlm.nih.gov>
 Product - UMLS Metathesaurus

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiituation.11 | Warning | Provider's Primary Impression should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âiNvPn_Nil_Nv | Error | When Provider's Primary Impression is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Provider's Primary Impression has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âiituation.02 | Warning | Possible Injury should be "Yes" when a symptom or impression is injury-related. |
| âiituation.12 | Warning | Provider's Secondary Impressions should only be recorded when Provider's Primary Impression is recorded. |

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:
<https://nemsis.org/technical-resources/version-3/version-3-resources/>

ICD-10-CM
 Website - <http://uts.nlm.nih.gov>
 Product - UMLS Metathesaurus

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âiNvPn_Nil_Nv | Error | When Provider's Secondary Impressions is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Provider's Secondary Impressions has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âiituation.02 | Warning | Possible Injury should be "Yes" when a symptom or impression is injury-related. |
| âiituation.12 | Warning | Provider's Secondary Impressions should only be recorded when Provider's Primary Impression is recorded. |
| âivPn_Nv_only | Warning | When Provider's Secondary Impressions has a Not Value, no other value should be recorded. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âiituation.13 | Warning | Initial Patient Acuity should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âiNvPn_Nil_Nv | Error | When Initial Patient Acuity is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Initial Patient Acuity has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

eInjury

| | |
|---------------|---|
| 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, C = Correlation ID, and/or U = UUID |

eInjury

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

eInjury

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 NEMESIS Suggested Lists at:

<https://nemsis.org/technical-resources/version-3/version-3-resources/>

Code list is represented in ICD-10 Codes.

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

Product - UMLS Metathesaurus

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| âi_eInjury.01 | Warning | Cause of Injury should be recorded when Incident/Patient Disposition is "Patient..." and Possible Injury is "Yes". |
| âi_eInjury.01 | Warning | Cause of Injury should only be recorded when Possible Injury is "Yes". |
| âiNvPn_Nil_Nv | Error | When Cause of Injury is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Cause of Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âiNvPn_Nv_only | Warning | When Cause of Injury has a Not Value, no other value should be recorded. |

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>

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â\elnjury.03 | Warning | Trauma Center Criteria should only be recorded when Possible Injury is "Yes". |
| â\NvPn_Nil_Nv | Error | When Trauma Center Criteria is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â\NvPn_Nv_Nil | Error | When Trauma Center Criteria has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â\vPn_Nv_only | Warning | When Trauma Center Criteria has a Not Value, no other value should be recorded. |

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: <https://www.cdc.gov/mmwr/preview/mmwrhtml/rr6101a1.htm>

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|---|
| âeInjury.04 | Warning | Vehicular, Pedestrian, or Other Injury Risk Factor should only be recorded when Possible Injury is "Yes". |
| âNvPn_Nil_Nv | Error | When Vehicular, Pedestrian, or Other Injury Risk Factor is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âNvPn_Nv_Nil | Error | When Vehicular, Pedestrian, or Other Injury Risk Factor has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âvPn_Nv_only | Warning | When Vehicular, Pedestrian, or Other Injury Risk Factor has a Not Value, no other value should be recorded. |

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, **C** = Correlation ID, and/or **U** = UUID

eArrest

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

eArrest

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".

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| â_eArrest.02 | Warning | Cardiac Arrest Etiology should be recorded when Cardiac Arrest is "Yes..." |
| â_eArrest.03 | Warning | Resuscitation Attempted By EMS should be recorded when Cardiac Arrest is "Yes..." |
| â_eArrest.04 | Warning | Arrest Witnessed By should be recorded when Cardiac Arrest is "Yes..." |
| â_eArrest.05 | Warning | CPR Care Provided Prior to EMS Arrival should be recorded when Cardiac Arrest is "Yes, Prior to EMS Arrival". |
| â_eArrest.07 | Warning | AED Use Prior to EMS Arrival should be recorded when Cardiac Arrest is "Yes, Prior to EMS Arrival". |
| â_eArrest.17 | Warning | Cardiac Rhythm on Arrival at Destination should be recorded when Incident/Patient Disposition is "Patient Dead at Scene... (with Transport)" or "Patient Treated, Transported by this EMS Unit" and Cardiac Arrest is "Yes..." |
| â_eArrest.02 | Warning | Cardiac Arrest Etiology should only be recorded when Cardiac Arrest is "Yes..." |
| â_eArrest.03 | Warning | Resuscitation Attempted By EMS should only be recorded when Cardiac Arrest is "Yes..." |
| â_eArrest.04 | Warning | Arrest Witnessed By should only be recorded when Cardiac Arrest is "Yes..." |
| â_eArrest.05 | Warning | CPR Care Provided Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes..." |
| â_eArrest.07 | Warning | AED Use Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes..." |
| â_eArrest.09 | Warning | Type of CPR Provided should only be recorded when Cardiac Arrest is "Yes..." |

- â!_eArrest.12 **Warning** Any Return of Spontaneous Circulation should only be recorded when Cardiac Arrest is "Yes...".
- â!_eArrest.14 **Warning** Date/Time of Cardiac Arrest should only be recorded when Cardiac Arrest is "Yes...".
- â!_eArrest.16 **Warning** Reason CPR/Resuscitation Discontinued should only be recorded when Cardiac Arrest is "Yes...".
- â!_eArrest.17 **Warning** Cardiac Rhythm on Arrival at Destination should only be recorded when Cardiac Arrest is "Yes...".
- â!_eArrest.18 **Warning** End of EMS Cardiac Arrest Event should only be recorded when Cardiac Arrest is "Yes...".
- â!rdiacarrest **Warning** Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Arrest is "Yes...".
- â!NvPn_Nil_Nv **Error** When Cardiac Arrest is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
- â!NvPn_Nv_Nil **Error** When Cardiac Arrest has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

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>

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â!_eArrest.02 | Warning | Cardiac Arrest Etiology should be recorded when Cardiac Arrest is "Yes..." |
| â!_eArrest.02 | Warning | Cardiac Arrest Etiology should only be recorded when Cardiac Arrest is "Yes..." |
| â!NvPn_Nil_Nv | Error | When Cardiac Arrest Etiology is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Cardiac Arrest Etiology has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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>

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â!_eArrest.03 | Warning | Resuscitation Attempted By EMS should be recorded when Cardiac Arrest is "Yes..." |
| â!_eArrest.03 | Warning | Resuscitation Attempted By EMS should only be recorded when Cardiac Arrest is "Yes..." |
| â!tempted_not | Warning | Resuscitation Attempted By EMS should not contain both "Attempted/Initiated..." and "Not Attempted..." |
| â!pressions_1 | Warning | Type of CPR Provided should contain "Compressions..." when Resuscitation Attempted By EMS contains "Initiated Chest Compressions" |
| â!pressions_2 | Warning | Resuscitation Attempted By EMS should contain "Initiated Chest Compressions" when Type of CPR Provided contains "Compressions..." |
| â!ntilation_1 | Warning | Type of CPR Provided should contain "Ventilation..." or "Compressions-Intermittent with Ventilation" when Resuscitation Attempted By EMS contains "Attempted Ventilation" |
| â!ntilation_2 | Warning | Resuscitation Attempted By EMS should contain "Attempted Ventilation" when Type of CPR Provided contains "Ventilation..." or "Compressions-Intermittent with Ventilation" |
| â!NvPn_Nil_Nv | Error | When Resuscitation Attempted By EMS is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Resuscitation Attempted By EMS has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

â\iPn_Nv_only Warning When Resuscitation Attempted By EMS has a Not Value, no other value should be recorded.

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>

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â _eArrest.04 | Warning | Arrest Witnessed By should be recorded when Cardiac Arrest is "Yes..." |
| â _eArrest.04 | Warning | Arrest Witnessed By should only be recorded when Cardiac Arrest is "Yes..." |
| â NvPn_Nil_Nv | Error | When Arrest Witnessed By is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â NvPn_Nv_Nil | Error | When Arrest Witnessed By has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â _eArrest.04 | Warning | When Arrest Witnessed By is "Not Witnessed", no other value should be recorded. |
| â vPn_Nv_only | Warning | When Arrest Witnessed By has a Not Value, no other value should be recorded. |

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>

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â!_eArrest.05 | Warning | CPR Care Provided Prior to EMS Arrival should be recorded when Cardiac Arrest is "Yes, Prior to EMS Arrival". |
| â!_eArrest.05 | Warning | CPR Care Provided Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes...". |
| â!NvPn_Nil_Nv | Error | When CPR Care Provided Prior to EMS Arrival is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When CPR Care Provided Prior to EMS Arrival has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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>

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â!_eArrest.07 | Warning | AED Use Prior to EMS Arrival should be recorded when Cardiac Arrest is "Yes, Prior to EMS Arrival". |
| â!_eArrest.07 | Warning | AED Use Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes...". |
| â!NvPn_Nil_Nv | Error | When AED Use Prior to EMS Arrival is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When AED Use Prior to EMS Arrival has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|---|
| âeArrest.09 | Warning | Type of CPR Provided should only be recorded when Cardiac Arrest is "Yes..." |
| âpressions_1 | Warning | Type of CPR Provided should contain "Compressions..." when Resuscitation Attempted By EMS contains "Initiated Chest Compressions". |
| âpressions_2 | Warning | Resuscitation Attempted By EMS should contain "Initiated Chest Compressions" when Type of CPR Provided contains "Compressions..." |
| ântilation_1 | Warning | Type of CPR Provided should contain "Ventilation..." or "Compressions-Intermittent with Ventilation" when Resuscitation Attempted By EMS contains "Attempted Ventilation". |
| ântilation_2 | Warning | Resuscitation Attempted By EMS should contain "Attempted Ventilation" when Type of CPR Provided contains "Ventilation..." or "Compressions-Intermittent with Ventilation". |
| âNvPn_Nil_Nv | Error | When Type of CPR Provided is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âNvPn_Nv_Nil | Error | When Type of CPR Provided has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âvPn_Nv_only | Warning | When Type of CPR Provided has a Not Value, no other value should be recorded. |

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>

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When First Monitored Arrest Rhythm of the Patient is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When First Monitored Arrest Rhythm of the Patient has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â!_eArrest.12 | Warning | Any Return of Spontaneous Circulation should only be recorded when Cardiac Arrest is "Yes...". |
| â!NvPn_Nil_Nv | Error | When Any Return of Spontaneous Circulation is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Any Return of Spontaneous Circulation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!_eArrest.12 | Warning | When Any Return of Spontaneous Circulation is "No", no other value should be recorded. |
| â!vPn_Nv_only | Warning | When Any Return of Spontaneous Circulation has a Not Value, no other value should be recorded. |

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 |

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|--------------|--|
| â!_eArrest.14 | Warning | Date/Time of Cardiac Arrest should only be recorded when Cardiac Arrest is "Yes...". |
| â!NvPn_Nil_Nv | Error | When Date/Time of Cardiac Arrest is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Date/Time of Cardiac Arrest has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!_eArrest.14 | Warning | Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest. |
| â!_eArrest.14 | Warning | Unit Back in Service Date/Time should not be earlier than Date/Time of Cardiac Arrest. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â _eArrest.16 | Warning | Reason CPR/Resuscitation Discontinued should only be recorded when Cardiac Arrest is "Yes...". |
| â _eArrest.16 | Warning | Reason CPR/Resuscitation Discontinued should be recorded when Incident/Patient Disposition is "Patient Dead at Scene-Resuscitation Attempted..." |
| â NvPn_Nil_Nv | Error | When Reason CPR/Resuscitation Discontinued is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â NvPn_Nv_Nil | Error | When Reason CPR/Resuscitation Discontinued has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â!_eArrest.17 | Warning | Cardiac Rhythm on Arrival at Destination should be recorded when Incident/Patient Disposition is "Patient Dead at Scene... (with Transport)" or "Patient Treated, Transported by this EMS Unit" and Cardiac Arrest is "Yes...". |
| â!_eArrest.17 | Warning | Cardiac Rhythm on Arrival at Destination should only be recorded when Cardiac Arrest is "Yes...". |
| â!NvPn_Nil_Nv | Error | When Cardiac Rhythm on Arrival at Destination is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Cardiac Rhythm on Arrival at Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!vPn_Nv_only | Warning | When Cardiac Rhythm on Arrival at Destination has a Not Value, no other value should be recorded. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| â\`_eArrest.18 | Warning | End of EMS Cardiac Arrest Event should only be recorded when Cardiac Arrest is "Yes...". |
| â\`NvPn_Nil_Nv | Error | When End of EMS Cardiac Arrest Event is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â\`NvPn_Nv_Nil | Error | When End of EMS Cardiac Arrest Event has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

eHistory

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, C = Correlation ID, and/or U = UUID

eHistory

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

eHistory

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

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|---|
| âiNvPn_Nil_Nv | Error | When Barriers to Patient Care is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Barriers to Patient Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âieHistory.01 | Warning | When Barriers to Patient Care is "None Noted", no other value should be recorded. |
| âiNvPn_Nv_only | Warning | When Barriers to Patient Care has a Not Value, no other value should be recorded. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiNvPn_Nil_Nv | Error | When Alcohol/Drug Use Indicators is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Alcohol/Drug Use Indicators has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_Nv_Not_Nil | Error | When Alcohol/Drug Use Indicators has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |
| âivPn_Nv_only | Warning | When Alcohol/Drug Use Indicators has a Not Value, no other value should be recorded. |
| âivPn_Pn_only | Warning | When Alcohol/Drug Use Indicators has a Pertinent Negative, no other value should be recorded. |

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, C = Correlation ID, and/or U = UUID

eVitals

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

eVitals

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 |

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| âiNvPn_Nil_Nv | Error | When Date/Time Vital Signs Taken is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |

| | | |
|---------------|----------------|---|
| â!NvPn_Nv_Nil | Error | When Date/Time Vital Signs Taken has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!_eVitals.01 | Warning | Date/Time Vital Signs Taken should be recorded, unless Obtained Prior to this Unit's EMS Care is "Yes". |
| â!r_eTimes.03 | Warning | Date/Time Vital Signs Taken should not be earlier than Unit Notified by Dispatch Date/Time, unless Obtained Prior to this Unit's EMS Care is "Yes". |
| â!r_eTimes.07 | Warning | Date/Time Vital Signs Taken should not be earlier than Arrived at Patient Date/Time, unless Obtained Prior to this Unit's EMS Care is "Yes". |
| â!e_eTimes.12 | Warning | Date/Time Vital Signs Taken should not be later than Destination Patient Transfer of Care Date/Time. |
| â!e_eTimes.13 | Warning | Date/Time Vital Signs Taken should not be later than Unit Back in Service Date/Time. |
| â!e_eTimes.07 | Warning | Date/Time Vital Signs Taken should not be later than Arrived at Patient Date/Time when Obtained Prior to this Unit's EMS Care is "Yes". |

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 unit's 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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âiNvPn_Nil_Nv | Error | When Obtained Prior to this Unit's EMS Care is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Obtained Prior to this Unit's EMS Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_eVitals.01 | Warning | Date/Time Vital Signs Taken should be recorded, unless Obtained Prior to this Unit's EMS Care is "Yes". |
| âr_eTimes.03 | Warning | Date/Time Vital Signs Taken should not be earlier than Unit Notified by Dispatch Date/Time, unless Obtained Prior to this Unit's EMS Care is "Yes". |
| âr_eTimes.07 | Warning | Date/Time Vital Signs Taken should not be earlier than Arrived at Patient Date/Time, unless Obtained Prior to this Unit's EMS Care is "Yes". |
| âe_eTimes.12 | Warning | Date/Time Vital Signs Taken should not be later than Destination Patient Transfer of Care Date/Time. |
| âe_eTimes.13 | Warning | Date/Time Vital Signs Taken should not be later than Unit Back in Service Date/Time. |
| âe_eTimes.07 | Warning | Date/Time Vital Signs Taken should not be later than Arrived at Patient Date/Time when Obtained Prior to this Unit's EMS Care is "Yes". |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âion.23_stemi | Warning | Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...". |
| âiNvPn_Nil_Nv | Error | When Cardiac Rhythm / Electrocardiography (ECG) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Cardiac Rhythm / Electrocardiography (ECG) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_Nv_Not_Nil | Error | When Cardiac Rhythm / Electrocardiography (ECG) has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |
| âivPn_Nv_only | Warning | When Cardiac Rhythm / Electrocardiography (ECG) has a Not Value, no other value should be recorded. |
| âivPn_Pn_only | Warning | When Cardiac Rhythm / Electrocardiography (ECG) has a Pertinent Negative, no other value should be recorded. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|--------------|---|
| âiNvPn_Nil_Nv | Error | When ECG Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When ECG Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â\NvPn_Nil_Nv | Error | When Method of ECG Interpretation is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â\NvPn_Nv_Nil | Error | When Method of ECG Interpretation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â\vPn_Nv_only | Warning | When Method of ECG Interpretation has a Not Value, no other value should be recorded. |

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

| Data Type | minInclusive | maxInclusive |
|-----------|--------------|--------------|
| integer | 0 | 500 |

Data Element Comment

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| â!NvPn_Nil_Nv | Error | When SBP (Systolic Blood Pressure) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When SBP (Systolic Blood Pressure) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!_Nv_Not_Nil | Error | When SBP (Systolic Blood Pressure) has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When Method of Blood Pressure Measurement is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Method of Blood Pressure Measurement has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| â!NvPn_Nil_Nv | Error | When Heart Rate is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Heart Rate has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!_Nv_Not_Nil | Error | When Heart Rate has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPh_Nil_Nv | Error | When Pulse Oximetry is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPh_Nv_Nil | Error | When Pulse Oximetry has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_Nv_Not_Nil | Error | When Pulse Oximetry has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

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

| Data Type | minInclusive | maxInclusive |
|-----------|--------------|--------------|
| integer | 0 | 300 |

Data Element Comment

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When Respiratory Rate is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Respiratory Rate has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_Nv_Not_Nil | Error | When Respiratory Rate has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

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

| | | |
|------------------|---------------------|---------------------|
| Data Type | minInclusive | maxInclusive |
| integer | 0 | 200 |

Data Element Comment

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When End Tidal Carbon Dioxide (ETCO2) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When End Tidal Carbon Dioxide (ETCO2) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_Nv_Not_Nil | Error | When End Tidal Carbon Dioxide (ETCO2) has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

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".

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|--------------|--|
| â!NvPn_Nil_Nv | Error | When Blood Glucose Level is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Blood Glucose Level has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!_Nv_Not_Nil | Error | When Blood Glucose Level has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

eVitals.19 - Glasgow Coma Score-Eye

Definition

The patient's Glasgow Coma Score Eye opening response.

| | | | |
|-------------------|----------|--------------------------|-------|
| 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).

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|--------------|---|
| âiNvPn_Nil_Nv | Error | When Glasgow Coma Score-Eye is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Glasgow Coma Score-Eye has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_Nv_Not_Nil | Error | When Glasgow Coma Score-Eye has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

eVitals.20 - Glasgow Coma Score-Verbal

Definition

The patient's Glasgow Coma Score Verbal response.

| | | | |
|-------------------|----------|--------------------------|-------|
| 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).

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| âiNvPn_Nil_Nv | Error | When Glasgow Coma Score-Verbal is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Glasgow Coma Score-Verbal has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_Nv_Not_Nil | Error | When Glasgow Coma Score-Verbal has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

eVitals.21 - Glasgow Coma Score-Motor

Definition

The patient's Glasgow Coma Score Motor response.

| | | | |
|-------------------|----------|--------------------------|-------|
| 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).

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| â!NvPn_Nil_Nv | Error | When Glasgow Coma Score-Motor is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Glasgow Coma Score-Motor has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!_Nv_Not_Nil | Error | When Glasgow Coma Score-Motor has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

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).

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âiNvPn_Nil_Nv | Error | When Glasgow Coma Score-Qualifier is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Glasgow Coma Score-Qualifier has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_eVitals.22 | Warning | When Glasgow Coma Score-Qualifier is "Initial GCS has legitimate values without interventions such as intubation and sedation", no other value should be recorded. |
| âivPn_Nv_only | Warning | When Glasgow Coma Score-Qualifier has a Not Value, no other value should be recorded. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When Level of Responsiveness (AVPU) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Level of Responsiveness (AVPU) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When Pain Scale Score is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Pain Scale Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_Nv_Not_Nil | Error | When Pain Scale Score has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â'n.23_stroke | Warning | Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Stroke Scale Score is "Positive". |
| âiNvPn_Nil_Nv | Error | When Stroke Scale Score is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Stroke Scale Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âi_Nv_Not_Nil | Error | When Stroke Scale Score has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| âiNvPn_Nil_Nv | Error | When Stroke Scale Type is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Stroke Scale Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| â!NvPn_Nil_Nv | Error | When Reperfusion Checklist is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Reperfusion Checklist has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!_Nv_Not_Nil | Error | When Reperfusion Checklist has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

eProtocols

| | |
|---------------|---|
| 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, C = Correlation ID, and/or U = UUID |

eProtocols

| | | | | | |
|-------|---------------------------------------|---|---|---|------|
| 1 : M | eProtocols.ProtocolGroup | | | | |
| 1 : 1 | eProtocols.01 - Protocols Used | N | S | R | N, L |
| 1 : 1 | eProtocols.02 - Protocol Age Category | N | S | R | N, L |

eProtocols

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

Data Element Comment

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When Protocols Used is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Protocols Used has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| â!NvPn_Nil_Nv | Error | When Protocol Age Category is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Protocol Age Category has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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, C = Correlation ID, and/or U = UUID |

eMedications

| | | | | | |
|-------|---|---|---|---|---------|
| 1 : M | eMedications.MedicationGroup | | | | |
| 1 : 1 | eMedications.01 - Date/Time Medication Administered | N | S | R | N, L |
| 1 : 1 | eMedications.02 - Medication Administered Prior to this Unit's EMS Care | N | S | R | N, L |
| 1 : 1 | eMedications.03 - Medication Given | N | S | R | N, L, P |
| 1 : 1 | eMedications.DosageGroup | | | | |
| 1 : 1 | eMedications.05 - Medication Dosage | N | S | R | N, L |
| 1 : 1 | eMedications.06 - Medication Dosage Units | N | S | R | N, L |
| 1 : 1 | eMedications.07 - Response to Medication | N | S | R | N, L |
| 1 : M | eMedications.08 - Medication Complication | N | S | R | N, L |
| 1 : 1 | eMedications.10 - Role/Type of Person Administering Medication | N | S | R | N, L |

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 |

Associated Validation Rules

| Rule ID | Level | Message |
|--------------------|---------|--|
| eMedications.01 | Warning | Date/Time Medication Administered should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes". |
| eMedications.01.NV | Error | When Date/Time Medication Administered is empty, it should have a Not Value (Not Applicable, |

Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).

- â!NvPn_Nv_Nil **Error** When Date/Time Medication Administered has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
- â!r_eTimes.03 **Warning** Date/Time Medication Administered should not be earlier than Unit Notified by Dispatch Date/Time, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
- â!r_eTimes.07 **Warning** Date/Time Medication Administered should not be earlier than Arrived at Patient Date/Time, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
- â!e_eTimes.12 **Warning** Date/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time.
- â!e_eTimes.13 **Warning** Date/Time Medication Administered should not be later than Unit Back in Service Date/Time.
- â!e_eTimes.07 **Warning** Date/Time Medication Administered should not be later than Arrived at Patient Date/Time when Medication Administered Prior to this Unit's EMS Care is "Yes".

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 unit's 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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| edications.01 | Warning | Date/Time Medication Administered should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes". |
| nvPn_Nil_Nv | Error | When Medication Administered Prior to this Unit's EMS Care is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| nvPn_Nv_Nil | Error | When Medication Administered Prior to this Unit's EMS Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| r_eTimes.03 | Warning | Date/Time Medication Administered should not be earlier than Unit Notified by Dispatch Date/Time, unless Medication Administered Prior to this Unit's EMS Care is "Yes". |
| r_eTimes.07 | Warning | Date/Time Medication Administered should not be earlier than Arrived at Patient Date/Time, unless Medication Administered Prior to this Unit's EMS Care is "Yes". |
| e_eTimes.12 | Warning | Date/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time. |
| e_eTimes.13 | Warning | Date/Time Medication Administered should not be later than Unit Back in Service Date/Time. |
| e_eTimes.07 | Warning | Date/Time Medication Administered should not be later than Arrived at Patient Date/Time when Medication Administered Prior to this Unit's EMS Care is "Yes". |

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 (RXCU) codes.

Reference the NEMESIS Suggested Lists at: <https://nemsis.org/technical-resources/version-3/version-3-resources/>

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â¦ications.03 | Warning | Medication Given should be recorded when a medication is administered. |
| â¦NvPn_Nil_Nv | Error | When Medication Given is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â¦NvPn_Nv_Nil | Error | When Medication Given has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â¦ications.03 | Error | When Medication Given has a Pertinent Negative, it should have a value and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |

eMedications.05 - Medication Dosage

Definition

The dose or amount of the medication administered 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

| | | |
|------------------|--------------------|-----------------------|
| Data Type | totalDigits | fractionDigits |
| decimal | 9 | 3 |

Data Element Comment

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âlications.06 | Warning | Medication Dosage Units should be recorded when Medication Dosage is recorded. |
| âiNvPn_Nil_Nv | Error | When Medication Dosage is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Medication Dosage has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

eMedications.06 - Medication Dosage Units

Definition

The unit of medication dosage administered 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

Associated Validation Rules

| Rule ID | Level | Message |
|-----------------|---------|--|
| eMedications.06 | Warning | Medication Dosage Units should be recorded when Medication Dosage is recorded. |
| eNvPn_Nil_Nv | Error | When Medication Dosage Units is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| eNvPn_Nv_Nil | Error | When Medication Dosage Units has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| â!NvPn_Nil_Nv | Error | When Response to Medication is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Response to Medication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiNvPn_Nil_Nv | Error | When Medication Complication is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Medication Complication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âiications.08 | Warning | When Medication Complication is "None", no other value should be recorded. |
| âivPn_Nv_only | Warning | When Medication Complication has a Not Value, no other value should be recorded. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When Role/Type of Person Administering Medication is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Role/Type of Person Administering Medication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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, C = Correlation ID, and/or U = UUID

eProcedures

| | | | | | |
|-------|--|---|---|---|---------|
| 1 : M | eProcedures.ProcedureGroup | | | | |
| 1 : 1 | eProcedures.01 - Date/Time Procedure Performed | N | S | R | N, L |
| 1 : 1 | eProcedures.02 - Procedure Performed Prior to this Unit's EMS Care | N | S | R | N, L |
| 1 : 1 | eProcedures.03 - Procedure | N | S | R | N, L, P |
| 1 : 1 | eProcedures.05 - Number of Procedure Attempts | N | S | R | N, L |
| 1 : 1 | eProcedures.06 - Procedure Successful | N | S | R | N, L |
| 1 : M | eProcedures.07 - Procedure Complication | N | S | R | N, L |
| 1 : 1 | eProcedures.08 - Response to Procedure | N | S | R | N, L |
| 1 : 1 | eProcedures.10 - Role/Type of Person Performing the Procedure | N | S | R | N, L |

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 |

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| â!NvPn_Nil_Nv | Error | When Date/Time Procedure Performed is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |

- â!NvPn_Nv_Nil **Error** When Date/Time Procedure Performed has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
- â!ocedures.01 **Warning** Date/Time Procedure Performed should be recorded, unless Procedure Performed Prior to this Unit's EMS Care is "Yes".
- â!r_eTimes.03 **Warning** Date/Time Procedure Performed should not be earlier than Unit Notified by Dispatch Date/Time, unless Procedure Performed Prior to this Unit's EMS Care is "Yes".
- â!r_eTimes.07 **Warning** Date/Time Procedure Performed should not be earlier than Arrived at Patient Date/Time, unless Procedure Performed Prior to this Unit's EMS Care is "Yes".
- â!e_eTimes.12 **Warning** Date/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time.
- â!e_eTimes.13 **Warning** Date/Time Procedure Performed should not be later than Unit Back in Service Date/Time.
- â!e_eTimes.07 **Warning** Date/Time Procedure Performed should not be later than Arrived at Patient Date/Time when Procedure Performed Prior to this Unit's EMS Care is "Yes".

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 unit's 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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiNvPn_Nil_Nv | Error | When Procedure Performed Prior to this Unit's EMS Care is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Procedure Performed Prior to this Unit's EMS Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âiocedures.01 | Warning | Date/Time Procedure Performed should be recorded, unless Procedure Performed Prior to this Unit's EMS Care is "Yes". |
| âir_eTimes.03 | Warning | Date/Time Procedure Performed should not be earlier than Unit Notified by Dispatch Date/Time, unless Procedure Performed Prior to this Unit's EMS Care is "Yes". |
| âir_eTimes.07 | Warning | Date/Time Procedure Performed should not be earlier than Arrived at Patient Date/Time, unless Procedure Performed Prior to this Unit's EMS Care is "Yes". |
| âie_eTimes.12 | Warning | Date/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time. |
| âie_eTimes.13 | Warning | Date/Time Procedure Performed should not be later than Unit Back in Service Date/Time. |
| âie_eTimes.07 | Warning | Date/Time Procedure Performed should not be later than Arrived at Patient Date/Time when Procedure Performed Prior to this Unit's EMS Care is "Yes". |

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

| | | |
|------------------|---------------------|---------------------|
| Data Type | maxInclusive | minInclusive |
| integer | 999999999999999 | 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 NEMESIS Suggested Lists at: <https://nemsis.org/technical-resources/version-3/version-3-resources/>

SNOMEDCT

Website: http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html
 Product: Product - UMLS Metathesaurus

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiNvPn_Nil_Nv | Error | When Procedure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âocedures.03 | Error | When Procedure has a Pertinent Negative, it should have a value and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting). |
| âocedures.03 | Warning | Procedure should be recorded when a procedure is performed. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When Number of Procedure Attempts is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Number of Procedure Attempts has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When Procedure Successful is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Procedure Successful has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âiNvPn_Nil_Nv | Error | When Procedure Complication is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Procedure Complication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âiocedures.07 | Warning | When Procedure Complication is "None", no other value should be recorded. |
| âivPn_Nv_only | Warning | When Procedure Complication has a Not Value, no other value should be recorded. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| â!NvPn_Nil_Nv | Error | When Response to Procedure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Response to Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When Role/Type of Person Performing the Procedure is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Role/Type of Person Performing the Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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, C = Correlation ID, and/or U = UUID |

eDisposition

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

eDisposition

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â\position.05 | Warning | Destination County should belong within the Destination State. |
| â\position.05 | Warning | Destination State should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| â\NvPn_Nil_Nv | Error | When Destination State is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â\NvPn_Nv_Nil | Error | When Destination State has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|---|
| âi:position.05 | Warning | Destination County should belong within the Destination State. |
| âi:position.06 | Warning | Destination County should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âi:NvPn_Nil_Nv | Error | When Destination County is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âi:NvPn_Nv_Nil | Error | When Destination County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â\position.07 | Warning | Destination ZIP Code should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| â\NvPn_Nil_Nv | Error | When Destination ZIP Code is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â\NvPn_Nv_Nil | Error | When Destination ZIP Code has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âeArrest.17 | Warning | Cardiac Rhythm on Arrival at Destination should be recorded when Incident/Patient Disposition is "Patient Dead at Scene... (with Transport)" or "Patient Treated, Transported by this EMS Unit" and Cardiac Arrest is "Yes..." |
| âeArrest.16 | Warning | Reason CPR/Resuscitation Discontinued should be recorded when Incident/Patient Disposition is "Patient Dead at Scene-Resuscitation Attempted..." |
| âosition.05 | Warning | Destination State should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âosition.06 | Warning | Destination County should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âosition.07 | Warning | Destination ZIP Code should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âosition.16 | Warning | EMS Transport Method should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |

| | | |
|--------------------------|---------|--|
| âiposition.17 | Warning | Transport Mode from Scene should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âiposition.19 | Warning | Final Patient Acuity should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âiposition.20 | Warning | Reason for Choosing Destination should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âiposition.21 | Warning | Type of Destination should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âiePatient.07 | Warning | Patient's Home County should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âiePatient.08 | Warning | Patient's Home State should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âiePatient.09 | Warning | Patient's Home ZIP Code should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âiePatient.13 | Warning | Gender should be recorded when Incident/Patient Disposition is "Patient...". |
| âiePatient.14 | Warning | Race should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âiePatient.15 | Warning | Age should be recorded when Incident/Patient Disposition is "Patient...". |
| âiePatient.16 | Warning | Age Units should be recorded when Incident/Patient Disposition is "Patient...". |
| âiePayment.01 | Warning | Primary Method of Payment should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âig_eScene.09 | Warning | Incident Location Type should be recorded unless Incident/Patient Disposition is "Canceled (Prior to Arrival At Scene)". |
| âituation.02 | Warning | Possible Injury should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âituation.07 | Warning | Chief Complaint Anatomic Location should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âituation.08 | Warning | Chief Complaint Organ System should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âituation.09 | Warning | Primary Symptom should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âituation.11 | Warning | Provider's Primary Impression should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âituation.13 | Warning | Initial Patient Acuity should be recorded when Type of Service Requested is "911 Response (Scene)" and Incident/Patient Disposition is "Patient Treated, Transported by this EMS Unit". |
| âig_eTimes.05 | Warning | Unit En Route Date/Time should be recorded unless Incident/Patient Disposition is "Canceled (Prior to Arrival At Scene)". |
| âig_eTimes.06 | Warning | Unit Arrived on Scene Date/Time should be recorded unless Incident/Patient Disposition is "Canceled (Prior to Arrival At Scene)". |
| âig_eTimes.07 | Warning | Arrived at Patient Date/Time should be recorded when Incident/Patient Disposition is "Patient...". |
| âig_eTimes.09 | Warning | Unit Left Scene Date/Time should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âig_eTimes.11 | Warning | Patient Arrived at Destination Date/Time should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |

âig_eTimes.12 **Warning** Destination Patient Transfer of Care Date/Time should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit".

âi_eInjury.01 **Warning** Cause of Injury should be recorded when Incident/Patient Disposition is "Patient..." and Possible Injury is "Yes".

eDisposition.16 - EMS Transport Method

Definition

The method of transport 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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â;position.16 | Warning | EMS Transport Method should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| â;NvPn_Nil_Nv | Error | When EMS Transport Method is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â;NvPn_Nv_Nil | Error | When EMS Transport Method has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|----------------|---------|--|
| âposition.17 | Warning | Transport Mode from Scene should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| âNvPn_Nil_Nv | Error | When Transport Mode from Scene is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âNvPn_Nv_Nil | Error | When Transport Mode from Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âiNvPn_Nil_Nv | Error | When Additional Transport Mode Descriptors is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Additional Transport Mode Descriptors has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| âivPn_Nv_only | Warning | When Additional Transport Mode Descriptors has a Not Value, no other value should be recorded. |

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>

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| â:position.19 | Warning | Final Patient Acuity should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| â:NvPn_Nil_Nv | Error | When Final Patient Acuity is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â:NvPn_Nv_Nil | Error | When Final Patient Acuity has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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 the patient was transported.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â\position.20 | Warning | Reason for Choosing Destination should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| â\NvPn_Nil_Nv | Error | When Reason for Choosing Destination is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â\NvPn_Nv_Nil | Error | When Reason for Choosing Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â\vPn_Nv_only | Warning | When Reason for Choosing Destination has a Not Value, no other value should be recorded. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â\position.21 | Warning | Type of Destination should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit". |
| â\position.22 | Warning | Hospital In-Patient Destination should be recorded when Type of Destination is "Hospital-Non-Emergency Department Bed". |
| â\rdiacarrest | Warning | Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Arrest is "Yes...". |
| â\on.23_stemi | Warning | Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...". |
| â\n.23_stroke | Warning | Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Stroke Scale Score is "Positive". |
| â\NvPn_Nil_Nv | Error | When Type of Destination is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â\NvPn_Nv_Nil | Error | When Type of Destination has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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 and 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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â;position.22 | Warning | Hospital In-Patient Destination should be recorded when Type of Destination is "Hospital-Non-Emergency Department Bed". |
| â;NvPn_Nil_Nv | Error | When Hospital In-Patient Destination is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â;NvPn_Nv_Nil | Error | When Hospital In-Patient Destination has a Not Value (Not Applicable, Not Recorded, or Not |

Reporting), it should be empty.

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| âirdiacarrest | Warning | Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Arrest is "Yes...". |
| âion.23_stemi | Warning | Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Cardiac Rhythm / Electrocardiography (ECG) is "STEMI...". |
| âin.23_stroke | Warning | Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Stroke Scale Score is "Positive". |
| âiNvPn_Nil_Nv | Error | When Hospital Capability is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Hospital Capability has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|---|
| âi.24_present | Warning | Destination Team Pre-Arrival Alert or Activation should be recorded when Date/Time of Destination Prearrival Alert or Activation is recorded. |
| âi.25_present | Warning | Date/Time of Destination Prearrival Alert or Activation should be recorded when Destination Team Pre-Arrival Alert or Activation is recorded with a value other than "None". |
| âiNvPn_Nil_Nv | Error | When Destination Team Pre-Arrival Alert or Activation is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Destination Team Pre-Arrival Alert or Activation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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

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 document performance measure for acute time dependent illness and injury systems of care.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|---------|--|
| â!24_present | Warning | Destination Team Pre-Arrival Alert or Activation should be recorded when Date/Time of Destination Prearrival Alert or Activation is recorded. |
| â!25_present | Warning | Date/Time of Destination Prearrival Alert or Activation should be recorded when Destination Team Pre-Arrival Alert or Activation is recorded with a value other than "None". |
| â!NvPn_Nil_Nv | Error | When Date/Time of Destination Prearrival Alert or Activation is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â!NvPn_Nv_Nil | Error | When Date/Time of Destination Prearrival Alert or Activation has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |
| â!r_eTimes.03 | Warning | Date/Time of Destination Prearrival Alert or Activation should not be earlier than Unit Notified by Dispatch Date/Time. |
| â!e_eTimes.12 | Warning | Date/Time of Destination Prearrival Alert or Activation should not be later than Destination Patient Transfer of Care Date/Time. |
| â!e_eTimes.13 | Warning | Date/Time of Destination Prearrival Alert or Activation should not be later than Unit Back in Service Date/Time. |

eOutcome

| | |
|---------------|--|
| 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, C = Correlation ID, and/or U = UUID |

eOutcome

| | | | | | |
|-------|--|---|--|--|---|
| 1 : 1 | eOutcome.01 - Emergency Department Disposition | N | S | R | N, L |
| 1 : 1 | eOutcome.02 - Hospital Disposition | N | S | R | N, L |

eOutcome

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).

Codes are available from Medicare contractors and the National Uniform Billing company (NUBC <http://www.nubc.org>) via the NUBC's Official UB-04 Data Specifications Manual.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When Emergency Department Disposition is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Emergency Department Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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 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).

Codes are available from Medicare contractors and the National Uniform Billing company (NUBC <http://www.nubc.org>) via the NUBC's Official UB-04 Data Specifications Manual.

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|---|
| âiNvPn_Nil_Nv | Error | When Hospital Disposition is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| âiNvPn_Nv_Nil | Error | When Hospital Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

eOther

| | |
|---------------|---|
| 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, C = Correlation ID, and/or U = UUID |

eOther

| | | | | | | |
|-------|---------------------------|---|---|---|---|------|
| 1 : M | eOther.EMSCrewMemberGroup | | | | | |
| | 1 : 1 | eOther.05 - Suspected EMS Work Related Exposure, Injury, or Death | N | S | R | N, L |

eOther

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)

Associated Validation Rules

| Rule ID | Level | Message |
|---------------|-------|--|
| â;NvPn_Nil_Nv | Error | When Suspected EMS Work Related Exposure, Injury, or Death is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional). |
| â;NvPn_Nv_Nil | Error | When Suspected EMS Work Related Exposure, Injury, or Death has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty. |

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eArrest 137

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