NEMSIS
Data Dictionary

NHTSA v3.4.0
Build 200910

EMS Data Standard

National Elements Only

Version Date: September 10, 2020

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

www.NEMSIS.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 DataElements	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 Nill:*
    https://nemsis.org/media/nemsis_v3/master/UsageGuides/NEMSIS_V3_1_EMSDataSet_Pertine
- 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 Nill:*
    https://nemsis.org/media/nemsis_v3/master/UsageGuides/NEMSIS_V3_1_EMSDataSet_Pertine
  - 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_EMSDataSet_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
  - Date Type = CorrelationID

- StreetAddress2
  - Data Type = String
  - minLength = 1
  - maxLength = 255

- TimeStamp
  - Data Type = DateTime
  - minValue = 1950-01-01T00:00:00-00:00
  - maxValue = 2050-01-01T00:00:00-00:00

- 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.

(19) **Deprecated**

(1) **eExample.01**

(2) | State | National |

(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
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

DEMDataSet

1 : M DemographicReport

1 : 1 dAgency

1 : 1 dConfiguration

DEMDataSet

EMSDataSet

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

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.

State   National

dAgency.02 - EMS Agency Number

Definition

The state-assigned provider number of the responding agency

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Constraints

Data Type	minLength	maxLength
string	1	15

Data Element Comment

This is the primary identifier for the entire Demographic Section. Each of the Demographic sections must be associated with an EMS Agency Number. An EMS Agency can have more than one Agency Number within a state. This reflects the ability 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.

State	National

dAgency.04 - EMS Agency State

Definition

The state/territory which assigned the EMS agency number.

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Constraints

Pattern
[0-9]{2}

Data Element Comment

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

State | National

dAgency.05 - EMS Agency Service Area States

Definition

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

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

Constraints

Pattern
[0-9]{2}

Data Element Comment

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

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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.

State National

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

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Constraints

Pattern
[0-9]{5}

Data Element Comment

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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.

State   National

dAgency.07 - EMS Agency Census Tracts

Definition

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

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

Attributes

NOT Values (NV)

7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Pattern

[0-9]{11}

Data Element Comment

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

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

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

Census Tract Data Website (files and descriptions):
https://www.census.gov/geographies/reference-maps/2010/geo/2010-census-tract-maps.html

Associated Validation Rules

Rule ID	Level	Message
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.
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When EMS Agency Census Tracts has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦vPn_Nv_only	Warning	When EMS Agency Census Tracts has a Not Value, no other value should be recorded.

State   National

dAgency.08 - EMS Agency Service Area ZIP Codes

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

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

Data Element Comment

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

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

Associated Validation Rules

Rule ID	Level	Message
â¦NvPn_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).
â¦NvPn_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.
â¦vPn_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.

State | National

dAgency.11 - Level of Service

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Code List

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

Data Element Comment

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

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

State National

dAgency.12 - Organization Status

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Code List

Code	Description
1016001	Mixed
1016003	Non-Volunteer
1016005	Volunteer

Data Element Comment

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

State | National

dAgency.13 - Organizational Type

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Code List

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

Data Element Comment

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

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!.26_nonfire	Warning	Fire Department ID Number should only be recorded when Organizational Type is "Fire Department".

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¦_dAgency.15	Warning	Agency statistics for a particular Statistical Calendar Year should only be recorded once.

State National

dAgency.16 - Total Primary Service Area Size

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Data Type	**minInclusive**	**maxInclusive**
positiveInteger	1	4,000,000

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Total Primary Service Area Size has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

| State | National |

dAgency.17 - Total Service Area Population

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Total Service Area Population has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State   National

dAgency.18 - 911 EMS Call Center Volume per Year

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Data Type	**minInclusive**	**maxInclusive**
positiveInteger	1	4,000,000

Data Element Comment

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

Version 3 Changes Implemented

Name Clarified with "Call Center"

Associated Validation Rules

Rule ID	Level	Message
âNvPn_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).
âNvPn_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.

State National

dAgency.19 - EMS Dispatch Volume per Year

Definition

The number of EMS dispatches during the last calendar year.

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
â¦NvPn_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).
â¦NvPn_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
â¦NvPn_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).
â¦NvPn_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.

State | National

dAgency.21 - EMS Patient Contact Volume per Year

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
positiveInteger	1	4,000,000

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
â¦NvPn_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).
â¦NvPn_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.

State | National

dAgency.25 - National Provider Identifier

Definition

The National Provider Identifier issued by CMS.

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

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Data Type	**length**
string	10

Data Element Comment

Only EMS Agencies billing for service will have an NPI (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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When National Provider Identifier has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦vPn_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¦.26_nonfire	Warning	Fire Department ID Number should only be recorded when Organizational Type is "Fire Department".
â¦NvPn_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¦NvPn_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

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 NEMSIS 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 (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

Associated Validation Rules

Rule ID	Level	Message
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Procedures 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 Procedures Permitted by the State has a Not Value, no other value should be recorded.

State | National

dConfiguration.04 - Medications Permitted by the State

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Data Type	minLength	maxLength
string	2	7

Data Element Comment

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

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

Version 3 Changes Implemented

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

List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: 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

9914223   Medical-Respiratory Distress-Croup
9914225   Medical-Stimulant Poisoning/Overdose

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.

State   National

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

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Code List

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

Data Element Comment

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

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

State | National

dConfiguration.07 - EMS Agency Procedures

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Constraints

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

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 (RXCUI) 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 (RXCUI) codes.

Reference the NEMSIS Suggested Lists at: https://nemsis.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.

State | National

dConfiguration.10 - EMS Agency Protocols

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Code List

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

9914093	Injury-Drowning/Near Drowning
9914095	Injury-Electrical Injuries
9914097	Injury-Extremity
9914099	Injury-Eye
9914101	Injury-Head
9914103	Injury-Impaled Object
9914105	Injury-Multisystem
9914107	Injury-Spinal Cord
9914109	Medical-Abdominal Pain
9914111	Medical-Allergic Reaction/Anaphylaxis
9914113	Medical-Altered Mental Status
9914115	Medical-Bradycardia
9914117	Medical-Cardiac Chest Pain
9914119	Medical-Diarrhea
9914121	Medical-Hyperglycemia
9914123	Medical-Hypertension
9914125	Medical-Hypoglycemia/Diabetic Emergency
9914127	Medical-Hypotension/Shock (Non-Trauma)
9914129	Medical-Influenza-Like Illness/ Upper Respiratory Infection
9914131	Medical-Nausea/Vomiting
9914133	Medical-Newborn/ Neonatal Resuscitation
9914135	General-Overdose/Poisoning/Toxic Ingestion
9914137	Medical-Pulmonary Edema/CHF
9914139	Medical-Respiratory Distress/Asthma/COPD/Reactive Airway
9914141	Medical-Seizure
9914143	Medical-ST-Elevation Myocardial Infarction (STEMI)
9914145	Medical-Stroke/TIA
9914147	Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149	Medical-Syncope
9914151	Medical-Ventricular Tachycardia (With Pulse)
9914153	Not Done
9914155	OB/GYN-Childbirth/Labor/Delivery
9914157	OB/GYN-Eclampsia
9914159	OB/GYN-Gynecologic Emergencies
9914161	OB/GYN-Pregnancy Related Emergencies
9914163	OB/GYN-Post-partum Hemorrhage
9914165	Other
9914167	Exposure-Carbon Monoxide
9914169	Cardiac Arrest-Do Not Resuscitate
9914171	Cardiac Arrest-Special Resuscitation Orders
9914173	Exposure-Smoke Inhalation
9914175	General-Community Paramedicine / Mobile Integrated Healthcare
9914177	General-Exception Protocol
9914179	General-Extended Care Guidelines
9914181	General-Interfacility Transfers
9914183	General-Law Enforcement - Blood for Legal Purposes
9914185	General-Law Enforcement - Assist with Law Enforcement Activity
9914187	General-Neglect or Abuse Suspected
9914189	General-Refusal of Care
9914191	Injury-Mass/Multiple Casualties
9914193	Injury-Thoracic
9914195	Medical-Adrenal Insufficiency
9914197	Medical-Apparent Life Threatening Event (ALTE)
9914199	Medical-Tachycardia
9914201	Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts
9914203	Injury-Conducted Electrical Weapon (e.g., Taser)
9914205	Injury-Facial Trauma
9914207	Injury-General Trauma Management
9914209	Injury-Lightning/Lightning Strike
9914211	Injury-SCUBA Injury/Accidents
9914213	Injury-Topical Chemical Burn
9914215	Medical-Beta Blocker Poisoning/Overdose
9914217	Medical-Calcium Channel Blocker Poisoning/Overdose
9914219	Medical-Opioid Poisoning/Overdose
9914221	Medical-Respiratory Distress-Bronchiolitis
9914223	Medical-Respiratory Distress-Croup
9914225	Medical-Stimulant Poisoning/Overdose

Data Element Comment

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

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

The list is defined by the NASEMSO State Medical Directors.

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
â!ion.11_none	Warning	When EMS Agency Specialty Service Capability is "None", no other values should be recorded.

State | National

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

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Code List

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

Data Element Comment

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

dConfiguration.15 - Patient Monitoring Capability(ies)

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Code List

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

Data Element Comment

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

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

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

State National

eRecord.01 - Patient Care Report Number

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Constraints

Data Type	minLength	maxLength
string	3	50

Data Element Comment

State   National

eRecord.02 - Software Creator

Definition

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

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

Constraints

Data Type	minLength	maxLength
string	1	50

Data Element Comment

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

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

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

State | National

eResponse.01 - EMS Agency Number

Definition

The state-assigned provider number of the responding agency.

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Constraints

Data Type	**minLength**	**maxLength**
string	1	15

Data Element Comment

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

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
â¦NvPn_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).
â¦NvPn_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
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¦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¦ituation.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".
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¦ituation.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".
â¦ituation.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

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
âⱡNvPn_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).
âⱡNvPn_Nv_Nil	Error	When Type of Response Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
âⱡResponse.09	Warning	When Type of Response Delay is "None/No Delay", no other value should be recorded.
âⱡvPn_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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Type of Transport Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦Response.11	Warning	When Type of Transport Delay is "None/No Delay", no other value should be recorded.
â¦vPn_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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Type of Turn-Around Delay has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦Response.12	Warning	When Type of Turn-Around Delay is "None/No Delay", no other value should be recorded.

â¦vPn_Nv_only <mark>Warning</mark>   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.

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).

State   National

eResponse.15 - Level of Care of This Unit

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Code List

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

Data Element Comment

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

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

State   National

eResponse.23 - Response Mode to Scene

Definition

The indication whether the response was emergent or non-emergent. An emergent response is an immediate response.

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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Additional Response Mode Descriptors has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦vPn_Nv_only	Warning	When Additional Response Mode Descriptors has a Not Value, no other value should be recorded.

eDispatch

eDispatch

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

eDispatch

State | National

eDispatch.01 - Complaint Reported by Dispatch

Definition

The complaint dispatch reported to the responding unit.

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Code List

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

Data Element Comment

Added Pandemic/Epidemic/Outbreak.

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

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

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)
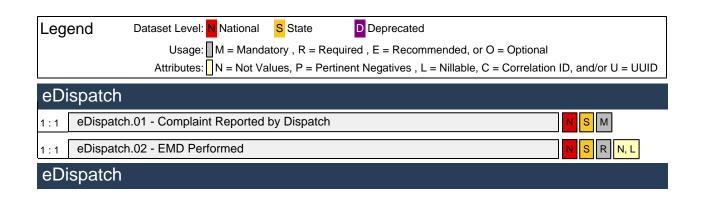7701001 - Not Applicable   7701003 - Not Recorded

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
â¦NvPn_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¦NvPn_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 <mark>Warning</mark>   Unit En Route Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.

â¦6_eTimes.03 <mark>Warning</mark>   Unit Arrived on Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.

â¦7_eTimes.03 <mark>Warning</mark>   Arrived at Patient Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.

â¦9_eTimes.03 <mark>Warning</mark>   Unit Left Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.

â¦1_eTimes.03 <mark>Warning</mark>   Patient Arrived at Destination Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.

â¦2_eTimes.03 <mark>Warning</mark>   Destination Patient Transfer of Care Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.

â¦3_eTimes.03 <mark>Warning</mark>   Unit Back in Service Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.

â¦r_eTimes.03 <mark>Warning</mark>   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".

State | National

eTimes.05 - Unit En Route Date/Time

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

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

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

Data Element Comment

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

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

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

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

Associated Validation Rules

Rule ID	Level	Message
â¦g_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 <mark>Error</mark>	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 <mark>Warning</mark>	Unit En Route Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
â¦6_eTimes.05 <mark>Warning</mark>	Unit Arrived on Scene Date/Time should not be earlier than Unit En Route Date/Time.
â¦9_eTimes.05 <mark>Warning</mark>	Unit Left Scene Date/Time should not be earlier than Unit En Route Date/Time.
â¦1_eTimes.05 <mark>Warning</mark>	Patient Arrived at Destination Date/Time should not be earlier than Unit En Route Date/Time.
â¦2_eTimes.05 <mark>Warning</mark>	Destination Patient Transfer of Care Date/Time should not be earlier than Unit En Route Date/Time.
â¦3_eTimes.05 <mark>Warning</mark>	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**
â¦g_eTimes.06	Warning	Unit Arrived on Scene Date/Time should be recorded unless Incident/Patient Disposition is "Canceled (Prior to Arrival At Scene)".

â¦NvPn_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¦NvPn_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¦6_eTimes.03 Warning	Unit Arrived on Scene 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.06 Warning	Unit Left Scene Date/Time should not be earlier than Unit Arrived on Scene 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¦2_eTimes.06 Warning	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
â¦3_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
â¦g_eTimes.07	Warning	Arrived at Patient Date/Time should be recorded when Incident/Patient Disposition is "Patient...".
â¦NvPn_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¦NvPn_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
â¦g_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 <mark>Error</mark>	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 <mark>Warning</mark>	Unit Left Scene Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
â¦9_eTimes.05 <mark>Warning</mark>	Unit Left Scene Date/Time should not be earlier than Unit En Route Date/Time.
â¦9_eTimes.06 <mark>Warning</mark>	Unit Left Scene Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
â¦9_eTimes.07 <mark>Warning</mark>	Unit Left Scene Date/Time should not be earlier than Arrived at Patient Date/Time.
â¦1_eTimes.09 <mark>Warning</mark>	Patient Arrived at Destination Date/Time should not be earlier than Unit Left Scene Date/Time.
â¦2_eTimes.09 <mark>Warning</mark>	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Left Scene Date/Time.
â¦3_eTimes.09 <mark>Warning</mark>	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
â¦g_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¦NvPn_Nv_Nil <mark>Error</mark>	When Patient Arrived at Destination Date/Time has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦1_eTimes.03 <mark>Warning</mark>	Patient Arrived at Destination Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
â¦1_eTimes.05 <mark>Warning</mark>	Patient Arrived at Destination Date/Time should not be earlier than Unit En Route Date/Time.
â¦1_eTimes.06 <mark>Warning</mark>	Patient Arrived at Destination Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
â¦1_eTimes.07 <mark>Warning</mark>	Patient Arrived at Destination Date/Time should not be earlier than Arrived at Patient Date/Time.
â¦1_eTimes.09 <mark>Warning</mark>	Patient Arrived at Destination Date/Time should not be earlier than Unit Left Scene Date/Time.
â¦2_eTimes.11 <mark>Warning</mark>	Destination Patient Transfer of Care Date/Time should not be earlier than Patient Arrived at Destination Date/Time.
â¦3_eTimes.11 <mark>Warning</mark>	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
â¦g_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 <mark>Error</mark>	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 <mark>Error</mark>	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 <mark>Warning</mark>	Date/Time of Destination Prearrival Alert or Activation should not be later than Destination Patient Transfer of Care Date/Time.
â¦e_eTimes.12 <mark>Warning</mark>	Date/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time.
â¦e_eTimes.12 <mark>Warning</mark>	Date/Time Procedure Performed should not be later than Destination Patient Transfer of Care Date/Time.
â¦_eArrest.14 <mark>Warning</mark>	Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Cardiac Arrest.
â¦ituation.01 <mark>Warning</mark>	Destination Patient Transfer of Care Date/Time should not be earlier than Date/Time of Symptom Onset.
â¦2_eTimes.03 <mark>Warning</mark>	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
â¦2_eTimes.05 <mark>Warning</mark>	Destination Patient Transfer of Care Date/Time should not be earlier than Unit En Route Date/Time.
â¦2_eTimes.06 <mark>Warning</mark>	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
â¦2_eTimes.07 <mark>Warning</mark>	Destination Patient Transfer of Care Date/Time should not be earlier than Arrived at Patient Date/Time.
â¦2_eTimes.09 <mark>Warning</mark>	Destination Patient Transfer of Care Date/Time should not be earlier than Unit Left Scene Date/Time.
â¦2_eTimes.11 <mark>Warning</mark>	Destination Patient Transfer of Care Date/Time should not be earlier than Patient Arrived at Destination Date/Time.
â¦3_eTimes.12 <mark>Warning</mark>	Unit Back in Service Date/Time should not be earlier than Destination Patient Transfer of Care Date/Time.
â¦e_eTimes.12 <mark>Warning</mark>	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**
âļe_eTimes.13	Warning	Date/Time of Destination Prearrival Alert or Activation should not be later than Unit Back in Service Date/Time.
âļe_eTimes.13	Warning	Date/Time Medication Administered should not be later than Unit Back in Service Date/Time.
âļe_eTimes.13	Warning	Date/Time Procedure Performed should not be later than Unit Back in Service Date/Time.

â¦t_eTimes.13	Warning	Unit Back in Service Date/Time should not be in the future (the current time according to this system is (value)).
â¦_eArrest.14	Warning	Unit Back in Service Date/Time should not be earlier than Date/Time of Cardiac Arrest.
â¦ituation.01	Warning	Unit Back in Service Date/Time should not be earlier than Date/Time of Symptom Onset.
â¦3_eTimes.03	Warning	Unit Back in Service Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.
â¦3_eTimes.05	Warning	Unit Back in Service Date/Time should not be earlier than Unit En Route Date/Time.
â¦3_eTimes.06	Warning	Unit Back in Service Date/Time should not be earlier than Unit Arrived on Scene Date/Time.
â¦3_eTimes.07	Warning	Unit Back in Service Date/Time should not be earlier than Arrived at Patient Date/Time.
â¦3_eTimes.09	Warning	Unit Back in Service Date/Time should not be earlier than Unit Left Scene Date/Time.
â¦3_eTimes.11	Warning	Unit Back in Service 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.13	Warning	Date/Time Vital Signs Taken should not be later than Unit Back in Service Date/Time.

ePatient

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

State National

ePatient.07 - Patient's Home County

Definition

The patient's home county or parish of residence.

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Pattern
[0-9]{5}

Data Element Comment

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Associated Validation Rules

Rule ID	Level	Message
âｅePatient.07	Warning	Patient's Home County should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit".
âｅNvPn_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).
âｅNvPn_Nv_Nil	Error	When Patient's Home County has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
âｅePatient.08	Warning	Patient's Home County should belong within the Patient's Home State.

State | National

ePatient.08 - Patient's Home State

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Pattern
[0-9]{2}

Data Element Comment

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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
â¦ePatient.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".
â¦NvPn_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).
â¦NvPn_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

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¦NvPn_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¦NvPn_Nv_Nil	Error	When Gender has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State | National

ePatient.14 - Race

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Code List

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

Data Element Comment

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

Ethnicity (Version 2.2.1: E06_13) has been merged with this data element and retired.

Associated Validation Rules

Rule ID	Level	Message
â¦ePatient.14	Warning	Race should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit".
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Race has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦vPn_Nv_only	Warning	When Race has a Not Value, no other value should be recorded.

State   National

ePatient.15 - Age

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Data Type	minInclusive	maxInclusive
integer	1	120

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
â¦ePatient.15	Warning	Age should be recorded when Incident/Patient Disposition is "Patient...".
â¦NvPn_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¦NvPn_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

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
âⱶePayment.01	Warning	Primary Method of Payment should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit".
âⱶNvPn_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).
âⱶNvPn_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
â¦NvPn_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).
â¦NvPn_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.

State National

eScene.06 - Number of Patients at Scene

Definition

Indicator of how many total patients were at the scene.

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

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Code List

Code	Description
2707001	Multiple
2707003	None
2707005	Single

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Number of Patients at Scene has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦i_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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Mass Casualty Incident has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦i_eScene.06	Warning	Number of Patients at Scene should be "Multiple" when Mass Casualty Incident is "Yes".
â¦i_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
â!NvPn_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).
â!NvPn_Nv_Nil	Error	When Triage Classification for MCI Patient has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â!i_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 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
â¦g_eScene.09	Warning	Incident Location Type should be recorded unless Incident/Patient Disposition is "Canceled (Prior to Arrival At Scene)".
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Incident Location Type has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State | National

eScene.18 - Incident State

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Pattern
[0-9]{2}

Data Element Comment

Based on the ANSI State Code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

Associated Validation Rules

Rule ID	Level	Message
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Incident State 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.

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

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

State | National

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

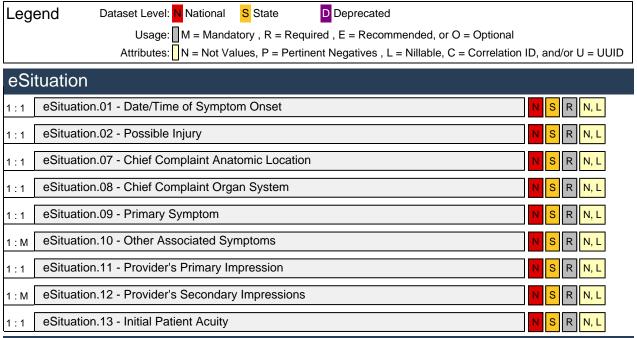| Code	Description
9922001	No
9922003	Unknown
9922005	Yes

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¦_eInjury.01	Warning	Cause of Injury should be recorded when Incident/Patient Disposition is "Patient..." and Possible Injury is "Yes".
â¦_eInjury.01	Warning	Cause of Injury should only be recorded when Possible Injury is "Yes".
â¦_eInjury.03	Warning	Trauma Center Criteria should only be recorded when Possible Injury is "Yes".
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 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

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
â¦ituation.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".
â¦NvPn_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).
â¦NvPn_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 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
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".
âｉNvPn_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).
âｉNvPn_Nv_Nil	Error	When Primary Symptom 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.10	Warning	Other Associated Symptoms should only be recorded when Primary Symptom is recorded.

State National

eSituation.10 - Other Associated Symptoms

Definition

Other symptoms identified by the patient or observed by EMS personnel.

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

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

Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at:
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
âˌNvPn_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).
âˌNvPn_Nv_Nil	Error	When Other Associated Symptoms has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
âˌituation.02	Warning	Possible Injury should be "Yes" when a symptom or impression is injury-related.
âˌituation.10	Warning	Other Associated Symptoms should only be recorded when Primary Symptom is recorded.
âˌvPn_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 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
â¦ituation.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".
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Provider's Primary Impression 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.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
â!NvPn_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).
â!NvPn_Nv_Nil	Error	When Provider's Secondary Impressions 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.12	Warning	Provider's Secondary Impressions should only be recorded when Provider's Primary Impression is recorded.
â!vPn_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
â¦ituation.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".
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Initial Patient Acuity has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eInjury

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

State | National

eInjury.01 - Cause of Injury

Definition

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

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

Associated Performance Measure Initiatives

Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable   7701003 - Not Recorded

Constraints

Pattern

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

Data Element Comment

Suggested code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at:
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
â¦_eInjury.01	Warning	Cause of Injury should be recorded when Incident/Patient Disposition is "Patient..." and Possible Injury is "Yes".
â¦_eInjury.01	Warning	Cause of Injury should only be recorded when Possible Injury is "Yes".
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Cause of Injury has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦vPn_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¦_eInjury.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

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
âⅈ_eArrest.02	Warning	Cardiac Arrest Etiology should be recorded when Cardiac Arrest is "Yes...".
âⅈ_eArrest.03	Warning	Resuscitation Attempted By EMS should be recorded when Cardiac Arrest is "Yes...".
âⅈ_eArrest.04	Warning	Arrest Witnessed By should be recorded when Cardiac Arrest is "Yes...".
âⅈ_eArrest.05	Warning	CPR Care Provided Prior to EMS Arrival should be recorded when Cardiac Arrest is "Yes, Prior to EMS Arrival".
âⅈ_eArrest.07	Warning	AED Use Prior to EMS Arrival should be recorded when Cardiac Arrest is "Yes, Prior to EMS Arrival".
âⅈ_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...".
âⅈ_eArrest.02	Warning	Cardiac Arrest Etiology should only be recorded when Cardiac Arrest is "Yes...".
âⅈ_eArrest.03	Warning	Resuscitation Attempted By EMS should only be recorded when Cardiac Arrest is "Yes...".
âⅈ_eArrest.04	Warning	Arrest Witnessed By should only be recorded when Cardiac Arrest is "Yes...".
âⅈ_eArrest.05	Warning	CPR Care Provided Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes...".
âⅈ_eArrest.07	Warning	AED Use Prior to EMS Arrival should only be recorded when Cardiac Arrest is "Yes...".
âⅈ_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.

State National

eArrest.02 - Cardiac Arrest Etiology

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable   7701003 - Not Recorded

Code List

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

Data Element Comment

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

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

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¦vPn_Nv_only <mark>Warning</mark>   When Resuscitation Attempted By EMS has a Not Value, no other value should be recorded.

State National

eArrest.04 - Arrest Witnessed By

Definition

Indication of who the cardiac arrest was witnessed by.

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Code List

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

Data Element Comment

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

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.

State National

eArrest.05 - CPR Care Provided Prior to EMS Arrival

Definition

Documentation of the CPR provided prior to EMS arrival.

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

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

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.

State   National

eArrest.07 - AED Use Prior to EMS Arrival

Definition

Documentation of AED use Prior to EMS arrival.

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)

7701001 - Not Applicable   7701003 - Not Recorded

Code List

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

Data Element Comment

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

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.

State | National

eArrest.11 - First Monitored Arrest Rhythm of the Patient

Definition

Documentation of what the first monitored arrest rhythm which was noted.

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Code List

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

Data Element Comment

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

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

Associated Validation Rules

Rule ID	Level	Message
â!NvPn_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).
â!NvPn_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.

State National

eArrest.12 - Any Return of Spontaneous Circulation

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Code List

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

Data Element Comment

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

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

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

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.

State   National

eArrest.18 - End of EMS Cardiac Arrest Event

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Code List

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

Data Element Comment

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

Version 3 Changes Implemented

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

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

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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Barriers to Patient Care has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦eHistory.01	Warning	When Barriers to Patient Care is "None Noted", no other value should be recorded.
â¦vPn_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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Alcohol/Drug Use Indicators has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦_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).
â¦vPn_Nv_only	Warning	When Alcohol/Drug Use Indicators has a Not Value, no other value should be recorded.
â¦vPn_Pn_only	Warning	When Alcohol/Drug Use Indicators has a Pertinent Negative, no other value should be recorded.

eVitals

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

State | National

eVitals.01 - Date/Time Vital Signs Taken

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Constraints

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

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

Data Element Comment

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

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

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

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

Associated Validation Rules

Rule ID	**Level**	**Message**
â!NvPn_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 <mark>Error</mark>		When Date/Time Vital Signs Taken has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦_eVitals.01 <mark>Warning</mark>		Date/Time Vital Signs Taken should be recorded, unless Obtained Prior to this Unit's EMS Care is "Yes".
â¦r_eTimes.03 <mark>Warning</mark>		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 <mark>Warning</mark>		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 <mark>Warning</mark>		Date/Time Vital Signs Taken should not be later than Destination Patient Transfer of Care Date/Time.
â¦e_eTimes.13 <mark>Warning</mark>		Date/Time Vital Signs Taken should not be later than Unit Back in Service Date/Time.
â¦e_eTimes.07 <mark>Warning</mark>		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".

â¦NvPn_Nv_Nil <mark>Error</mark>   When Date/Time Vital Signs Taken has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

â¦_eVitals.01   <mark>Warning</mark>   Date/Time Vital Signs Taken should be recorded, unless 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
â¦NvPn_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).
â¦NvPn_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.
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".

State   National

eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG)

Definition

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

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

Associated Performance Measure Initiatives

Cardiac Arrest   STEMI

Attributes

NOT Values (NV)

7701001 - Not Applicable   7701003 - Not Recorded

Pertinent Negatives (PN)

8801019 - Refused   8801023 - Unable to Complete

Code List

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

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
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¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Cardiac Rhythm / Electrocardiography (ECG) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦_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).
â¦vPn_Nv_only	Warning	When Cardiac Rhythm / Electrocardiography (ECG) has a Not Value, no other value should be recorded.
â¦vPn_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
â¦NvPn_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).
â¦NvPn_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
â¦NvPn_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).
â¦NvPn_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).

State National

eVitals.12 - Pulse Oximetry

Definition

The patient's oxygen saturation.

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Pertinent Negatives (PN)
8801005 - Exam Finding Not Present   8801019 - Refused   8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	100

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Pulse Oximetry has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦_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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Respiratory Rate has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦_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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When End Tidal Carbon Dioxide (ETCO2) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦_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).

State National

eVitals.18 - Blood Glucose Level

Definition

The patient's blood glucose level.

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

Associated Performance Measure Initiatives

Pediatric   Stroke

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Pertinent Negatives (PN)
8801019 - Refused   8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	2000

Data Element Comment

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

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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Glasgow Coma Score-Eye has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦_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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Glasgow Coma Score-Verbal has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦_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).

State | National

eVitals.22 - Glasgow Coma Score-Qualifier

Definition

Documentation of factors which make the GCS score more meaningful.

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Code List

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

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Glasgow Coma Score-Qualifier has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦_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.
â¦vPn_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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Level of Responsiveness (AVPU) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eVitals.27 - Pain Scale Score

Definition

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

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

Associated Performance Measure Initiatives

Pediatric   STEMI   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Pertinent Negatives (PN)
8801019 - Refused   8801023 - Unable to Complete

Constraints

Data Type	minInclusive	maxInclusive
integer	0	10

Data Element Comment

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

Associated Validation Rules

Rule ID	Level	Message
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Pain Scale Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦_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).

State   National

eVitals.29 - Stroke Scale Score

Definition

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

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

Associated Performance Measure Initiatives

Stroke

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Pertinent Negatives (PN)
8801019 - Refused   8801023 - Unable to Complete

Code List

Code	Description
3329001	Negative
3329003	Non-Conclusive
3329005	Positive

Data Element Comment

Associated Validation Rules

Rule ID	Level	Message
âln.23_stroke	Warning	Hospital Capability should be recorded when Type of Destination is "Hospital..." or "Freestanding Emergency Department" and Stroke Scale Score is "Positive".
âlNvPn_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).
âlNvPn_Nv_Nil	Error	When Stroke Scale Score has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
âl_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
â¦NvPn_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).
â¦NvPn_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

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

State   National

eProtocols.01 - Protocols Used

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Response   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Code List

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

9914085	Injury-Burns-Thermal
9914087	Injury-Cardiac Arrest
9914089	Injury-Crush Syndrome
9914091	Injury-Diving Emergencies
9914093	Injury-Drowning/Near Drowning
9914095	Injury-Electrical Injuries
9914097	Injury-Extremity
9914099	Injury-Eye
9914101	Injury-Head
9914103	Injury-Impaled Object
9914105	Injury-Multisystem
9914107	Injury-Spinal Cord
9914109	Medical-Abdominal Pain
9914111	Medical-Allergic Reaction/Anaphylaxis
9914113	Medical-Altered Mental Status
9914115	Medical-Bradycardia
9914117	Medical-Cardiac Chest Pain
9914119	Medical-Diarrhea
9914121	Medical-Hyperglycemia
9914123	Medical-Hypertension
9914125	Medical-Hypoglycemia/Diabetic Emergency
9914127	Medical-Hypotension/Shock (Non-Trauma)
9914129	Medical-Influenza-Like Illness/ Upper Respiratory Infection
9914131	Medical-Nausea/Vomiting
9914133	Medical-Newborn/ Neonatal Resuscitation
9914135	General-Overdose/Poisoning/Toxic Ingestion
9914137	Medical-Pulmonary Edema/CHF
9914139	Medical-Respiratory Distress/Asthma/COPD/Reactive Airway
9914141	Medical-Seizure
9914143	Medical-ST-Elevation Myocardial Infarction (STEMI)
9914145	Medical-Stroke/TIA
9914147	Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)
9914149	Medical-Syncope
9914151	Medical-Ventricular Tachycardia (With Pulse)
9914153	Not Done
9914155	OB/GYN-Childbirth/Labor/Delivery
9914157	OB/GYN-Eclampsia
9914159	OB/GYN-Gynecologic Emergencies
9914161	OB/GYN-Pregnancy Related Emergencies
9914163	OB/GYN-Post-partum Hemorrhage
9914165	Other
9914167	Exposure-Carbon Monoxide
9914169	Cardiac Arrest-Do Not Resuscitate
9914171	Cardiac Arrest-Special Resuscitation Orders
9914173	Exposure-Smoke Inhalation
9914175	General-Community Paramedicine / Mobile Integrated Healthcare
9914177	General-Exception Protocol
9914179	General-Extended Care Guidelines
9914181	General-Interfacility Transfers
9914183	General-Law Enforcement - Blood for Legal Purposes
9914185	General-Law Enforcement - Assist with Law Enforcement Activity
9914187	General-Neglect or Abuse Suspected
9914189	General-Refusal of Care
9914191	Injury-Mass/Multiple Casualties
9914193	Injury-Thoracic
9914195	Medical-Adrenal Insufficiency
9914197	Medical-Apparent Life Threatening Event (ALTE)
9914199	Medical-Tachycardia
9914201	Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts
9914203	Injury-Conducted Electrical Weapon (e.g., Taser)
9914205	Injury-Facial Trauma
9914207	Injury-General Trauma Management
9914209	Injury-Lightning/Lightning Strike
9914211	Injury-SCUBA Injury/Accidents
9914213	Injury-Topical Chemical Burn
9914215	Medical-Beta Blocker Poisoning/Overdose
9914217	Medical-Calcium Channel Blocker Poisoning/Overdose
9914219	Medical-Opioid Poisoning/Overdose
9914221	Medical-Respiratory Distress-Bronchiolitis

9914223   Medical-Respiratory Distress-Croup
9914225   Medical-Stimulant Poisoning/Overdose

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
â¦NvPn_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).
â¦NvPn_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

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

State | National

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
âⁱications.01	Warning	Date/Time Medication Administered should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
âⁱNvPn_Nil_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 <mark>Error</mark>	When Date/Time Medication Administered has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦r_eTimes.03 <mark>Warning</mark>	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 <mark>Warning</mark>	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 <mark>Warning</mark>	Date/Time Medication Administered should not be later than Destination Patient Transfer of Care Date/Time.
â¦e_eTimes.13 <mark>Warning</mark>	Date/Time Medication Administered should not be later than Unit Back in Service Date/Time.
â¦e_eTimes.07 <mark>Warning</mark>	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".

State   National

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

Definition

Indicates that the medication administration which is documented was administered prior to this EMS 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
â¦ications.01	Warning	Date/Time Medication Administered should be recorded, unless Medication Administered Prior to this Unit's EMS Care is "Yes".
â¦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).
â¦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.
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.03

State | National

eMedications.03 - Medication Given

Definition

The medication given to the patient

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable	7701003 - Not Recorded

Pertinent Negatives (PN)

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

Constraints

Data Type	minLength	maxLength
string	2	7

Data Element Comment

List of medications based on RxNorm (RXCUI) codes.

Reference the NEMSIS 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).

State | National

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
âˇications.06	Warning	Medication Dosage Units should be recorded when Medication Dosage is recorded.
âˇNvPn_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).
âˇNvPn_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
â¦ications.06	Warning	Medication Dosage Units should be recorded when Medication Dosage is recorded.
â¦NvPn_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).
â¦NvPn_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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Medication Complication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦ications.08	Warning	When Medication Complication is "None", no other value should be recorded.
â¦vPn_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
â¦NvPn_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).
â¦NvPn_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

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
â¦NvPn_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).
â¦NvPn_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.
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.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 NEMSIS 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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Procedure has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦ocedures.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).
â¦ocedures.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
â¦NvPn_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).
â¦NvPn_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
â¦NvPn_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).
â¦NvPn_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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Procedure Complication has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦ocedures.07	Warning	When Procedure Complication is "None", no other value should be recorded.
â¦vPn_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
â¦NvPn_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).
â¦NvPn_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

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

eDisposition

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
â¦position.05	Warning	Destination County should belong within the Destination State.
â¦position.06	Warning	Destination County 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 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 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¦position.05	Warning	Destination State should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit".
â¦position.06	Warning	Destination County should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit".
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¦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¦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¦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¦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¦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¦ePatient.07	Warning	Patient's Home County should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit".
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¦ePatient.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".
â¦ePatient.13	Warning	Gender should be recorded when Incident/Patient Disposition is "Patient...".
â¦ePatient.14	Warning	Race should be recorded when Incident/Patient Disposition is "... (With Transport)" or "Patient Treated, Transported by this EMS Unit".
â¦ePatient.15	Warning	Age should be recorded when Incident/Patient Disposition is "Patient...".
â¦ePatient.16	Warning	Age Units should be recorded when Incident/Patient Disposition is "Patient...".
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¦g_eScene.09	Warning	Incident Location Type should be recorded unless Incident/Patient Disposition is "Canceled (Prior to Arrival At Scene)".
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¦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¦ituation.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".
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¦ituation.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".
â¦ituation.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".
â¦g_eTimes.05	Warning	Unit En Route Date/Time should be recorded unless Incident/Patient Disposition is "Canceled (Prior to Arrival At Scene)".
â¦g_eTimes.06	Warning	Unit Arrived on Scene Date/Time should be recorded unless Incident/Patient Disposition is "Canceled (Prior to Arrival At Scene)".
â¦g_eTimes.07	Warning	Arrived at Patient Date/Time should be recorded when Incident/Patient Disposition is "Patient...".
â¦g_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¦g_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¦g_eTimes.12 <mark>Warning</mark>   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¦_eInjury.01 <mark>Warning</mark>   Cause of Injury should be recorded when Incident/Patient Disposition is "Patient..." and Possible Injury is "Yes".

State | National

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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Additional Transport Mode Descriptors has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
â¦vPn_Nv_only	Warning	When Additional Transport Mode Descriptors has a Not Value, no other value should be recorded.

State | National

eDisposition.19 - Final Patient Acuity

Definition

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

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

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Code List

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

Data Element Comment

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

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
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 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).
â¦NvPn_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
âǃ.24_present	Warning	Destination Team Pre-Arrival Alert or Activation should be recorded when Date/Time of Destination Prearrival Alert or Activation is recorded.
âǃ.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".
âǃNvPn_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).
âǃNvPn_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.
âǃr_eTimes.03	Warning	Date/Time of Destination Prearrival Alert or Activation should not be earlier than Unit Notified by Dispatch Date/Time.
âǃe_eTimes.12	Warning	Date/Time of Destination Prearrival Alert or Activation should not be later than Destination Patient Transfer of Care Date/Time.
âǃe_eTimes.13	Warning	Date/Time of Destination Prearrival Alert or Activation should not be later than Unit Back in Service Date/Time.

eOutcome

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
âNvPn_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).
âNvPn_Nv_Nil	Error	When Emergency Department Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

State National

eOutcome.02 - Hospital Disposition

Definition

The known disposition of the patient from the hospital, if admitted.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E22_02	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway   Cardiac Arrest   Pediatric   STEMI   Stroke   Trauma

Attributes

NOT Values (NV)
7701001 - Not Applicable   7701003 - Not Recorded

Code List

Code	Description
01	Discharged to home or self care (routine discharge)
02	Discharged/transferred to another short term general hospital for inpatient care
03	Discharged/transferred to a skilled nursing facility (SNF)
04	Discharged/transferred to an intermediate care facility (ICF)
05	Discharged/transferred to another type of institution not defined elsewhere in this code list
06	Discharged/transferred to home under care of organized home health service organization in anticipation of covered skills care
07	Left against medical advice or discontinued care
20	Deceased/Expired (or did not recover - Religious Non Medical Health Care Patient)
21	Discharged/transferred to court/law enforcement
30	Still a patient or expected to return for outpatient services.
43	Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility)
50	Discharged/transferred to Hospice - home.
51	Discharged/transferred to Hospice - medical facility
61	Discharged/transferred within this institution to a hospital based Medicare approved swing bed.
62	Discharged/transferred to 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
â¦NvPn_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).
â¦NvPn_Nv_Nil	Error	When Hospital Disposition has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.

eOther

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

State   National

eOther.05 - Suspected EMS Work Related Exposure, Injury, or Death

Definition

Indication of an EMS work related exposure, injury, or death associated with this EMS event.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E23_05	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable   7701003 - Not Recorded

Code List

Code	Description
9923001	No
9923003	Yes

Data Element Comment

Associated with eOther.04 (EMS Professional (Crew Member) ID)

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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